

INDEX OF PLANS

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

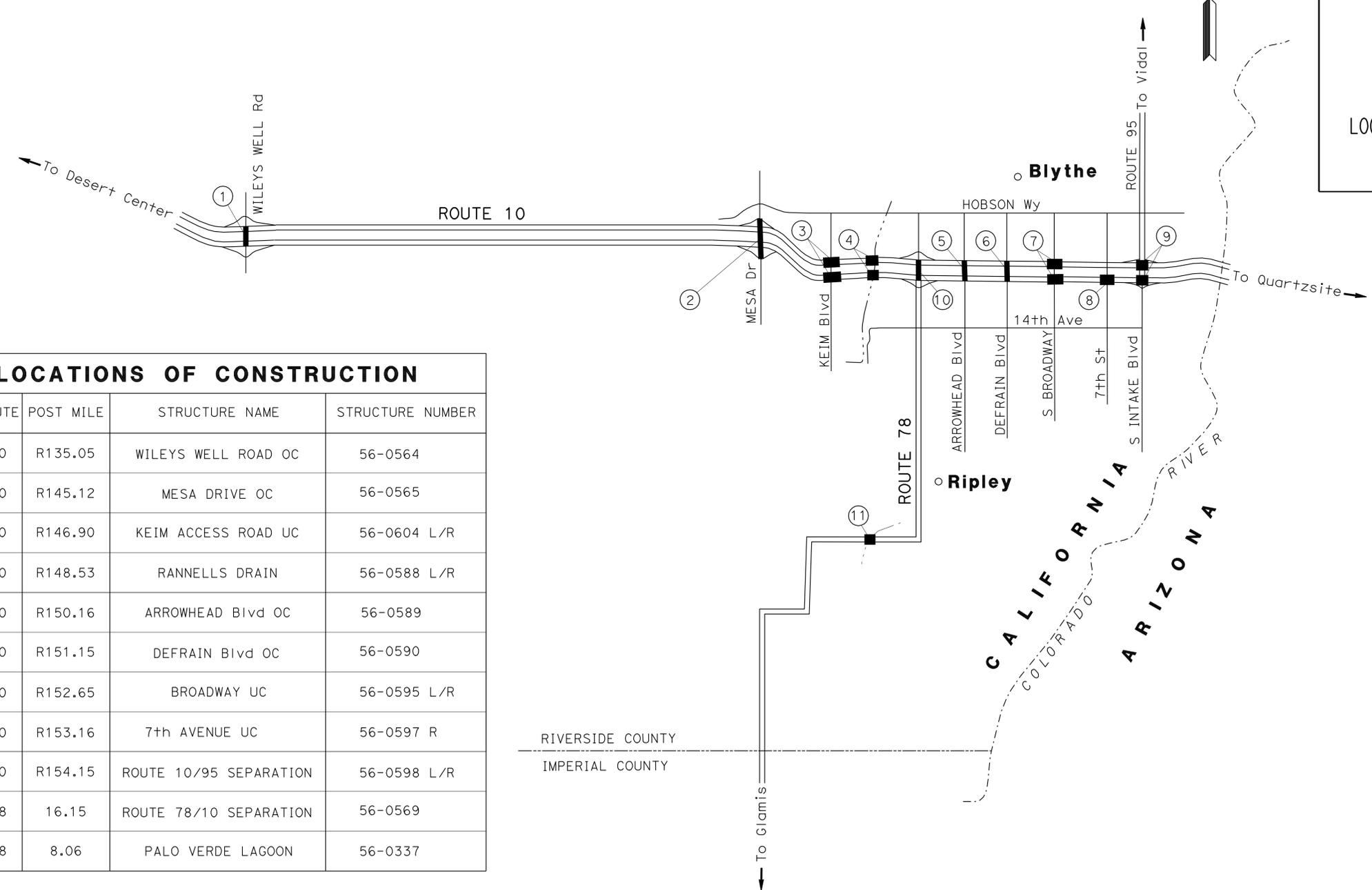
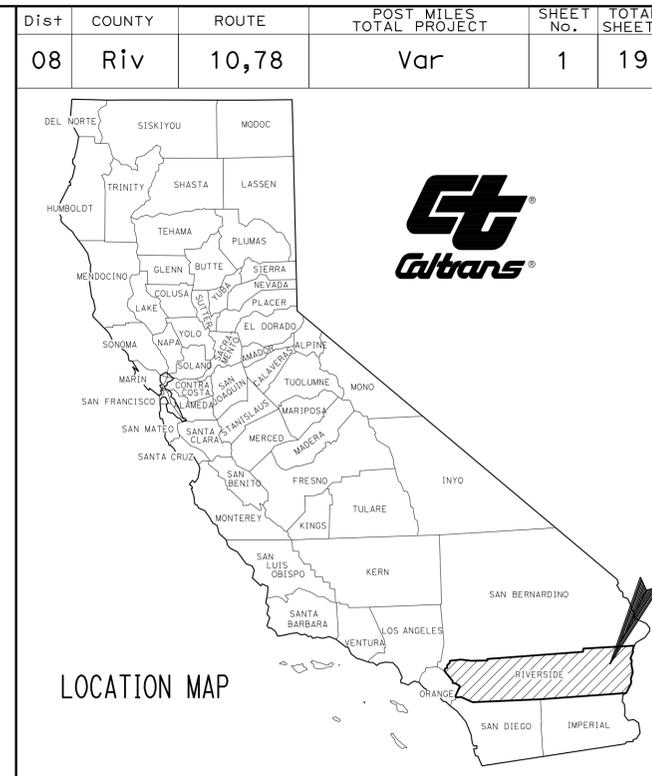
STRUCTURE PLANS

13-19 ROUTE 10 AND 78 BRIDGE 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 RIVERSIDE COUNTY
NEAR BLYTHE
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION				
No.	ROUTE	POST MILE	STRUCTURE NAME	STRUCTURE NUMBER
①	10	R135.05	WILEYS WELL ROAD OC	56-0564
②	10	R145.12	MESA DRIVE OC	56-0565
③	10	R146.90	KEIM ACCESS ROAD UC	56-0604 L/R
④	10	R148.53	RANNELLS DRAIN	56-0588 L/R
⑤	10	R150.16	ARROWHEAD Blvd OC	56-0589
⑥	10	R151.15	DEFRAIN Blvd OC	56-0590
⑦	10	R152.65	BROADWAY UC	56-0595 L/R
⑧	10	R153.16	7th AVENUE UC	56-0597 R
⑨	10	R154.15	ROUTE 10/95 SEPARATION	56-0598 L/R
⑩	78	16.15	ROUTE 78/10 SEPARATION	56-0569
⑪	78	8.06	PALO VERDE LAGOON	56-0337

PROJECT MANAGER
CATALINO PINING III
 DESIGN ENGINEER
KEVIN H. CHEN

PROJECT ENGINEER
 REGISTERED CIVIL ENGINEER
 DATE: 11-14-11
 December 19, 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.	08-OP6904
PROJECT ID	0800020017

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,78	Var	3	19

REGISTERED CIVIL ENGINEER	DATE	11-14-11
PLANS APPROVAL DATE		12-19-11

REGISTERED PROFESSIONAL ENGINEER	No.	70017
Exp	09/30/12	
CIVIL		

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.

LEGEND:

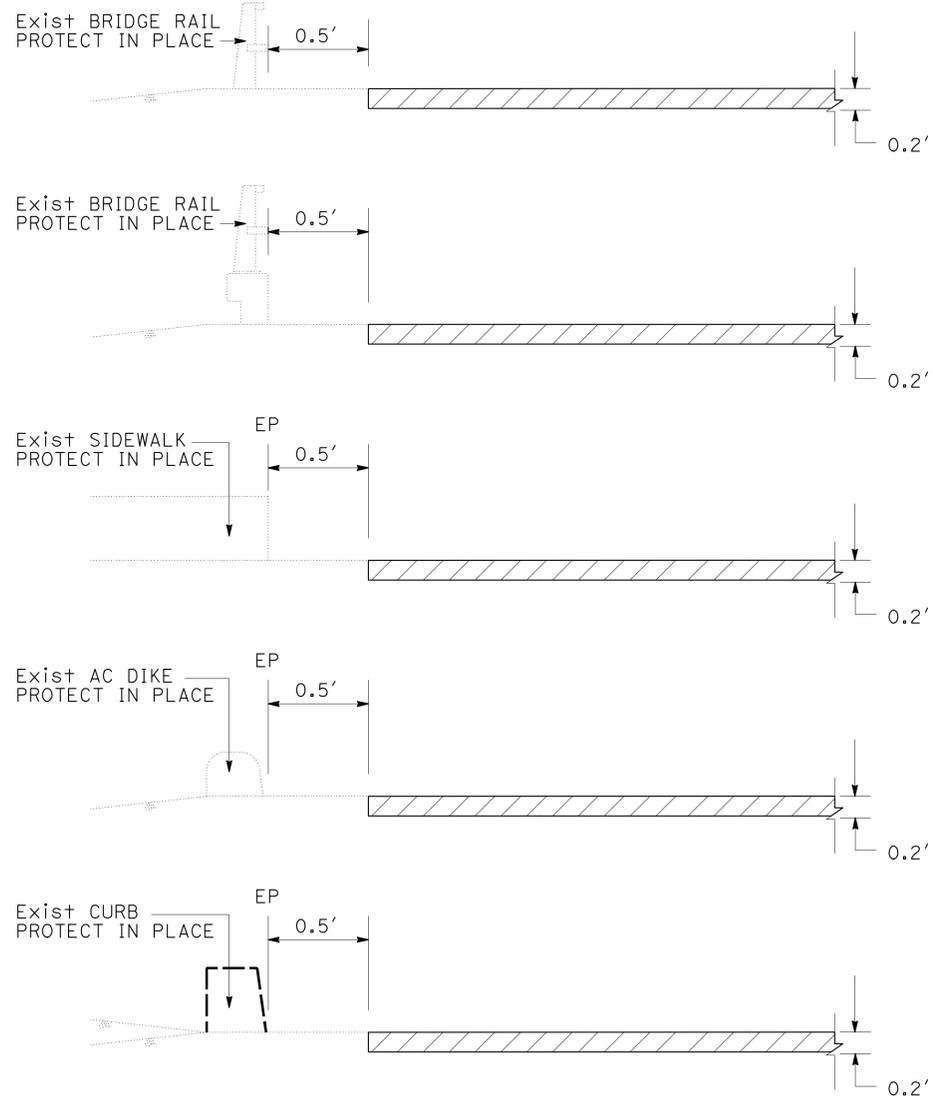


0.2' COLD PLANE AND 0.2' HMA (TYPE A)

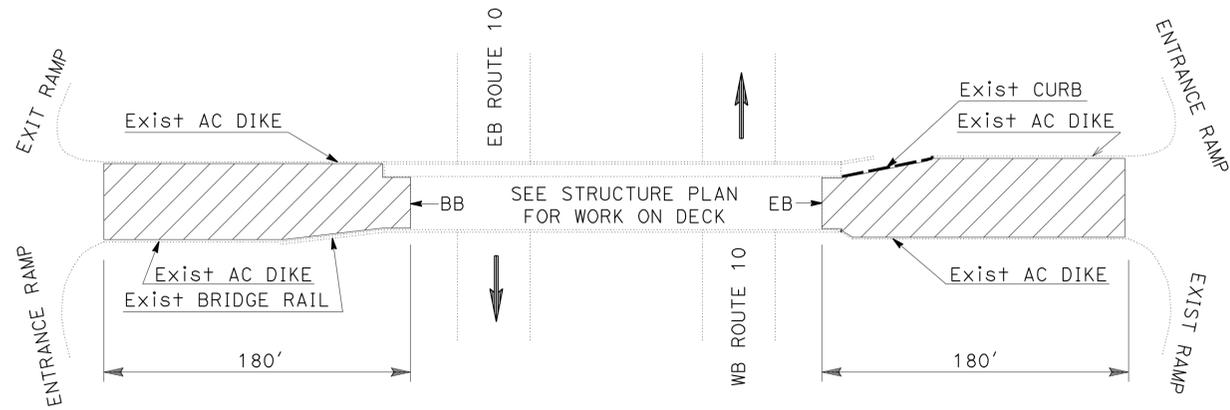


REPLACE ASPHALT CONCRETE PAVEMENT (DIG-OUTS)

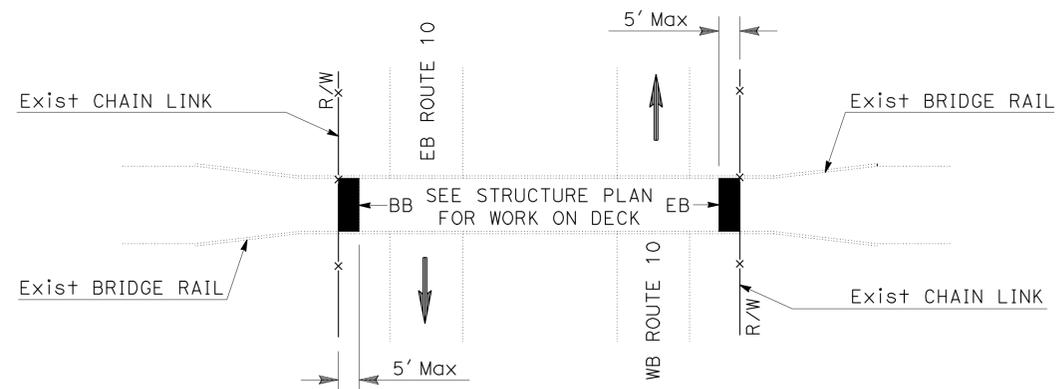
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
FUNCTIONAL SUPERVISOR
KEVIN H. CHEN
REVISOR
KEVIN H. CHEN
DESIGNER
KEVIN H. CHEN
CHECKER
KUANG H. CHEN
DATE



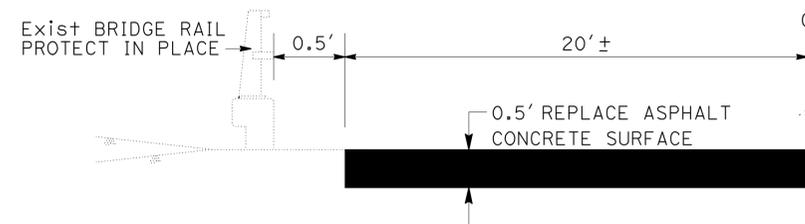
1 EDGE OF PAVEMENT CONFORM DETAIL
TYPICAL



4 MESA DRIVE OC
Riv, ROUTE 10, PM R145.12



3 DEFRAIN BLVD OC
Riv, ROUTE 10, PM R151.15



2 REPLACE ASPHALT CONCRETE SURFACE (LOCALIZED DIG-OUTS) TYPICAL

CONSTRUCTION DETAILS

NO SCALE

C-1

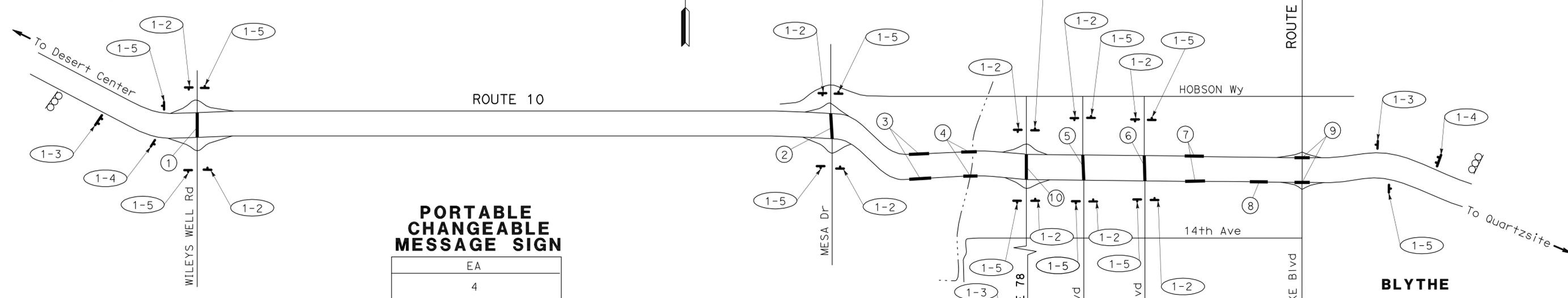
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,78	Var	4	19

W.E. Wasser 11-14-11
 REGISTERED CIVIL ENGINEER DATE
 12-19-11
 PLANS APPROVAL DATE

W.E. WASSER
 No. 37378
 Exp. 06-30-12
 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.

- LEGEND:**
- ↑ CONSTRUCTION AREA SIGN (1 POST)
 - ↑ CONSTRUCTION AREA SIGN (2 POST)
 - (1-X) CONSTRUCTION AREA SIGN NUMBER
 - ROAD WORK AREA
 - PORTABLE CHANGEABLE MESSAGE SIGN

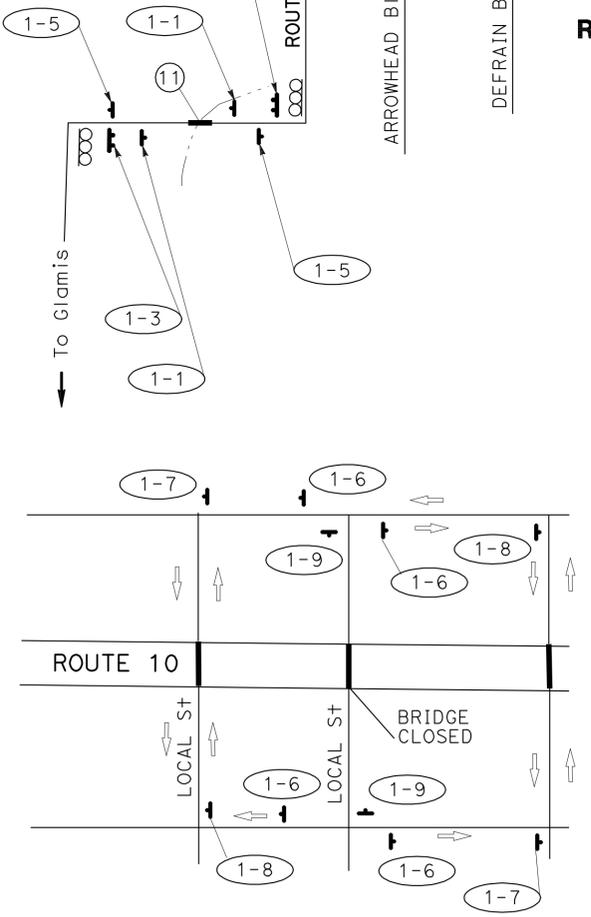


STATIONARY MOUNTED CONSTRUCTION AREA SIGN

SIGN No. (X-X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POST(S) AND SIZE	No. OF SIGNS (EA)
	FEDERAL	CALIFORNIA				
(1-1)	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	2
(1-2)	W20-1		30" x 30"	ROAD WORK AHEAD	1 - 6" x 6"	10
(1-3)		C40<CA>	72" x 36"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONE	2 - 4" x 6"	4
(1-4)	G20-1		36" x 18"	ROAD WORK NEXT 19 MILES	1 - 4" x 6"	2
(1-5)	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	14
(1-6)		SC3<CA>	48" x 18"	DETOUR(ARROW)	1 - 4" x 4"	4
(1-7)	M4-10(LT)		48" x 18"	DETOUR (LEFT)	1 - 4" x 4"	2
(1-8)	M4-10(RT)		48" x 18"	DETOUR (RIGHT)	1 - 4" x 4"	2
(1-9)	R11-2		30" x 48"	BRIDGE CLOSED	1 - 4" x 4"	2

NOTES:

- 1) LOCATION AND POSITION OF THE CONSTRUCTION AREA SIGNS ARE APPROXIMATE. THE EXACT LOCATION AND POSITION WILL BE DETERMINED BY THE ENGINEER.
- 2) REFER TO S+d PLANS T10 AND T13 FOR TRAFFIC CONTROL REQUIREMENTS AND USE SURFACE MOUNTED CHANNELIZERS IN PLACE OF CONES.
- 3) MINIMUM SPACING BETWEEN TWO CONSECUTIVE SIGNS SHALL BE 500 FEET OR AS DETERMINED BY THE ENGINEER.
- 4) SIGN POST LENGTH ARE APPROXIMATE. EXACT SIZE AND LENGTH WILL BE DETERMINED BY THE ENGINEER.



TYPICAL BRIDGE CLOSURE

LOCATION	STRUCTURE NAME
①	WILEY'S WELL ROAD OC Br No. 56-0564
②	MESA DRIVE OC Br No. 56-0565
③	KEIM ACCESS ROAD UC Br No. 56-0604L/R
④	RANNELLS DRAIN Br No. 56-0588L/R
⑤	ARROWHEAD Blvd OC Br No. 56-0589
⑥	DEFRAIN Blvd OC Br No. 56-0590
⑦	BROADWAY UC Br No. 56-0595L/R
⑧	S SEVENTH AVENUE UC Br No. 56-0597R
⑨	ROUTE 10/95 SEPARATION Br No. 56-0598L/R
⑩	ROUTE 78/10 SEPARATION Br No. 56-0569
⑪	PALO VERDE LAGOON Br No. 56-0604

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR SIGN WORK ONLY

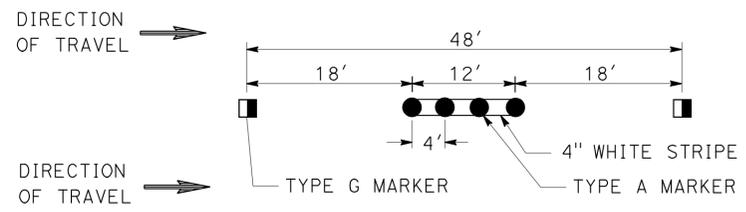
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 PATTI BARTOLI
 SHABBIR AHMED
 WILLIAM E. WASSER
 TRAFFIC DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,78	Var	5	19

W.E. Wasser 11-14-11
 REGISTERED CIVIL ENGINEER DATE
 12-19-11
 PLANS APPROVAL DATE

W.E. WASSER
 No. 37378
 Exp. 6/30/12
 CIVIL

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.



DETAIL 13M

- TYPE A - WHITE NON-REFLECTIVE MARKER
- TYPE G - ONE WAY CLEAR RETROREFLECTIVE MARKER

- NOTES:**
- MARKERS SHALL BE INSTALLED BEFORE PLACING THE WHITE STRIPE.
 - WHITE STRIPE SHALL BE SPRAYABLE THERMOPLASTIC.

PAVEMENT DELINEATION QUANTITIES

LOCATION	DETAIL No.	REMOVE PAVEMENT MARKER	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC TRAFFIC STRIPE	PAVEMENT MARKER				THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)		REMARKS
					NON-REFLECTIVE		RETRO-REFLECTIVE		4" YELLOW	4" WHITE	
					EA	EA	EA	EA	LF	LF	
WILEY'S WELL ROAD OC BRIDGE No. 56-0564	DETAIL 21		1,340						670		211' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			1,340						1,340	211' BEYOND EA SIDE OF Br DECK
MESA DRIVE OC BRIDGE No. 56-0565	DETAIL 21		1,240						620		188' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			1,240						1,240	188' BEYOND EA SIDE OF Br DECK
KEIM ACCESS ROAD UC BRIDGE No. 56-0604L/R	DETAIL 13M	65		144	52	13				552	100' BEYOND EA SIDE OF Br DECK
	DETAIL 25	13	552				13		552		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			552						552	100' BEYOND EA SIDE OF Br DECK
RANNELLS DRAIN BRIDGE No. 56-0588L/R	DETAIL 13M	70		156	56	14				616	100' BEYOND EA SIDE OF Br DECK
	DETAIL 25	14	616				14		616		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			616						616	100' BEYOND EA SIDE OF Br DECK
ARROWHEAD Blvd OC BRIDGE No. 56-0589	DETAIL 21		780						390		100' BEYOND EA SIDE OF Br DECK
	DETAIL 18 *		480						390		100' BEYOND EA SIDE OF Br DECK
BROADWAY UC BRIDGE No. 56-0595L/R	DETAIL 13M	80		180	64	16				680	100' BEYOND EA SIDE OF Br DECK
	DETAIL 25	16	680				16		680		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			680						680	100' BEYOND EA SIDE OF Br DECK
SEVENTH AVENUE UC BRIDGE No. 56-0597R	DETAIL 13M	40		84	32	8				325	100' BEYOND EA SIDE OF Br DECK
	DETAIL 25	8	325				8		325		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			325						325	100' BEYOND EA SIDE OF Br DECK
ROUTE 10/95 SEPARATION BRIDGE No. 56-0598L/R	DETAIL 13M	75		168	60	15				670	100' BEYOND EA SIDE OF Br DECK
	DETAIL 25	15	670				15		670		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			670						670	100' BEYOND EA SIDE OF Br DECK
ROUTE 78/10 SEPARATION BRIDGE No. 56-0569	DETAIL 22	38	862					38	431		120' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			862						862	120' BEYOND EA SIDE OF Br DECK
PALO VERDE LAGOON BRIDGE No. 56-0337	DETAIL 6	8	84					8	323		100' BEYOND EA SIDE OF Br DECK
	DETAIL 27B			646						646	100' BEYOND EA SIDE OF Br DECK
SUBTOTAL		442	7,859	7,663	264	66	66	46	5,667	9,774	
TOTAL		442	7,859	7,663	264	178			15,441		

- NOTES:**
- THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) QUANTITY INCLUDES TRAFFIC STRIPE TO BE APPLIED BEYOND EACH SIDE OF BRIDGE DECK, SEE REMARKS FOR ADDITIONAL STRIPE LENGTH.
- EXISTING TRAFFIC STRIPES AND EXISTING PAVEMENT MARKERS TO BE REMOVED BEYOND EACH SIDE OF BRIDGE DECK, SEE REMARKS FOR ADDITIONAL STRIPE LENGTH.
- * REMOVE DETAIL 18 AND INSTALL DETAIL 21 THE ENTIRE LENGTH OF BRIDGE DECK PLUS THE AREA TO BE STRIPED BEYOND THE BRIDGE DECK.

PAVEMENT DELINEATION QUANTITIES

APPROVED FOR PAVEMENT DELINEATION WORK ONLY

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN "A"

FUNCTIONAL SUPERVISOR: WILLIAM E. WASSER

DESIGNED BY: PATTI BARTOLI

CHECKED BY: SHABBIR AHMED

REVISOR: []

DATE: []

REVISIONS:

DATE: []

BY: []

NOTES:

1. EXACT LOCATION FOR REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY ENGINEER.
2. EXACT LENGTH AND WIDTH OF REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY ENGINEER.
3. WIDTH OF TRAVEL WAY AND SHOULDER ARE NOMINAL. MATCH EXISTING WIDTHS IN THE FIELD.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,78	Var	6	19

 11-14-11
 REGISTERED CIVIL ENGINEER DATE

12-19-11
 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.



PAVEMENT QUANTITIES

DIRECTION	LOCATION	LENGTH	WIDTH	HMA-A	TACK COAT	COLD PLANE
	PM	LF	LF	TON	TON	SQYD
NORTHBOUND MESA DRIVE OC	R145.12	180	40	108	0.35	800
SOUTHBOUND MESA DRIVE OC	R145.12	180	40	108	0.35	800
TOTAL				216	0.7	1,600

REPLACE ASPHALT CONCRETE SURFACING

DIRECTION	LOCATION	LENGTH	WIDTH	DEPTH	VOLUME
	PM	LF	LF	LF	CY
NORTHBOUND DEFRAIN Blvd OC	R151.15	40	5	0.50	3.7
SOUTHBOUND DEFRAIN Blvd OC	R151.15	40	5	0.50	3.7
TOTAL					7.4

SUMMARY OF QUANTITIES

NO SCALE

Q-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KUANG H. CHEN
 CALCULATED/DESIGNED BY: KEVIN H. CHEN
 CHECKED BY: KUANG H. CHEN
 REVISED BY: KEVIN H. CHEN
 DATE REVISED:

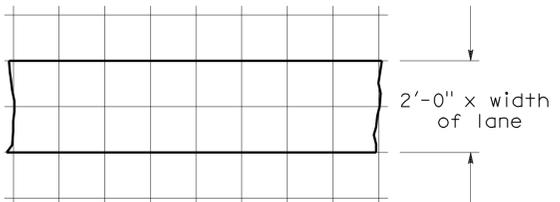


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	7	19

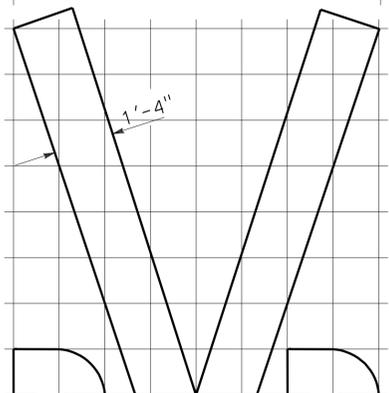
Donald E. Howe
 REGISTERED CIVIL ENGINEER
 June 6, 2008
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
 Donald E. Howe
 No. C46402
 Exp. 3-31-09
 CIVIL
 STATE OF CALIFORNIA

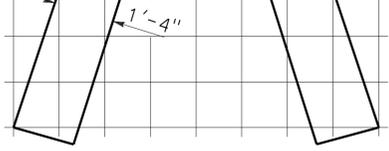
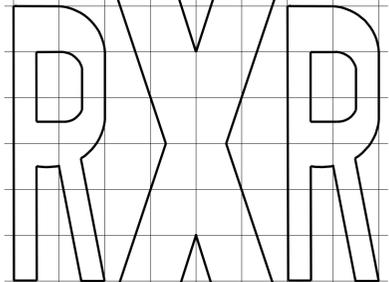
To accompany plans dated 12-19-11



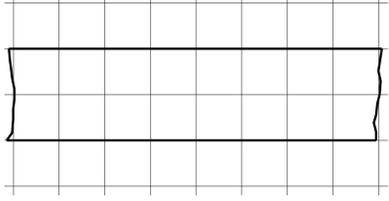
8'-0"



6'-0"
20'-0"



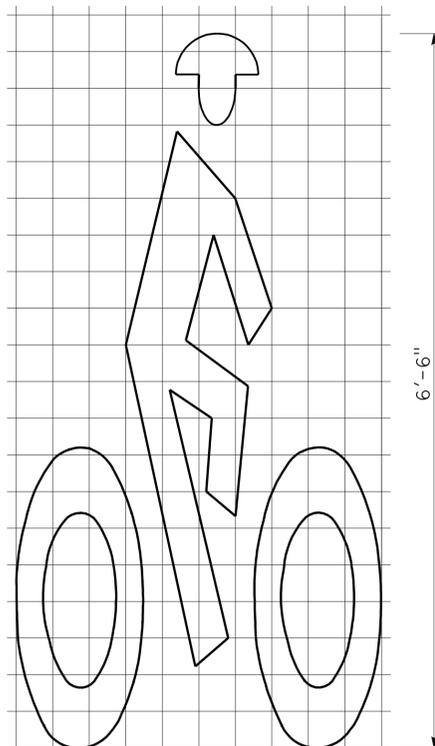
14'-0"



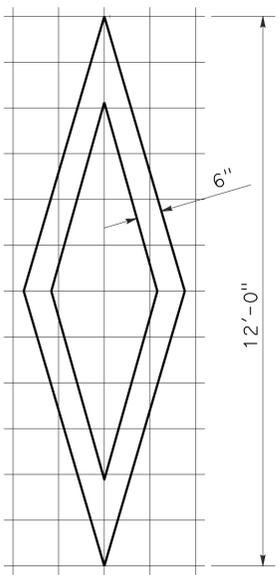
1'-0" GRID
A=70 sq ft *

RAILROAD CROSSING SYMBOL

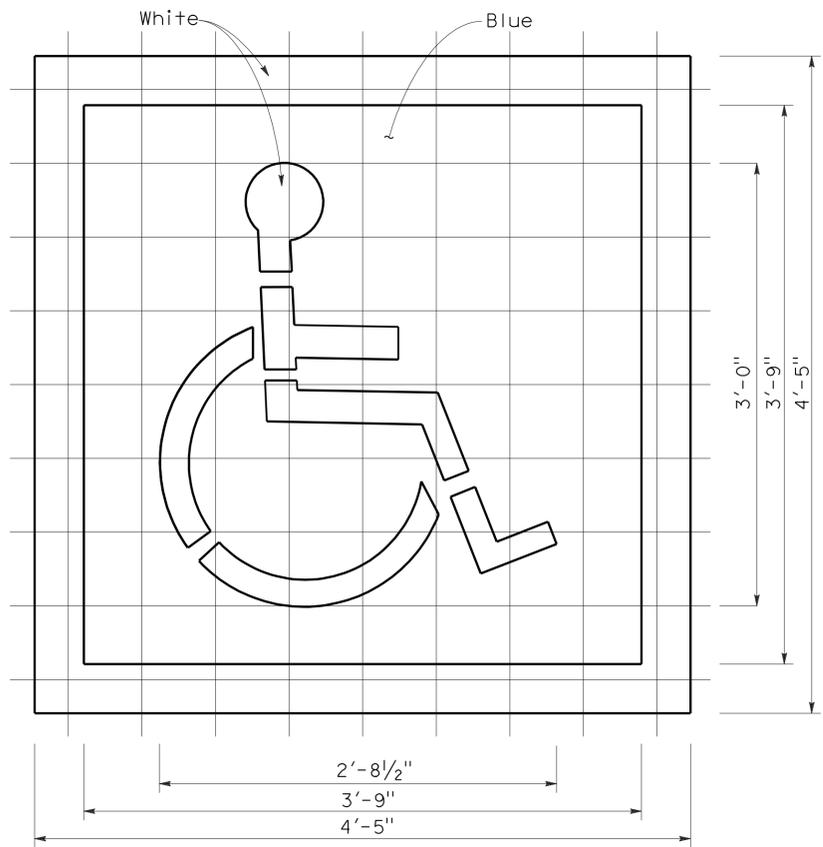
*70 sq ft DOES NOT INCLUDE THE 2'-0" x VARIABLE WIDTH TRANSVERSE LINES.



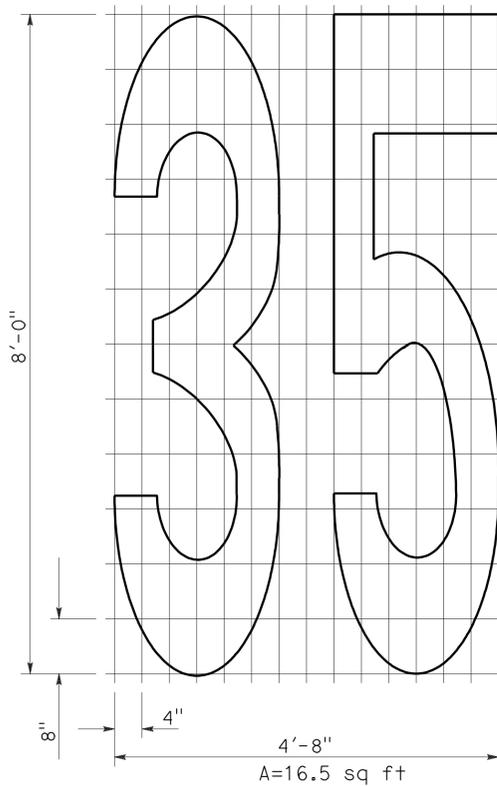
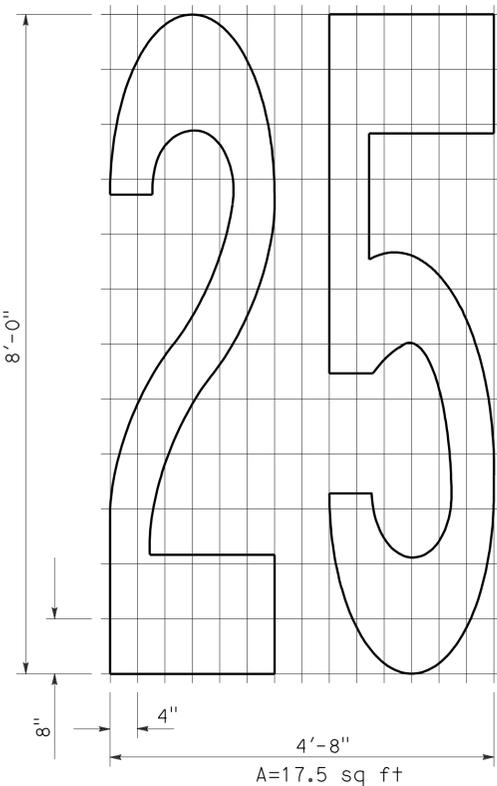
BIKE LANE SYMBOL



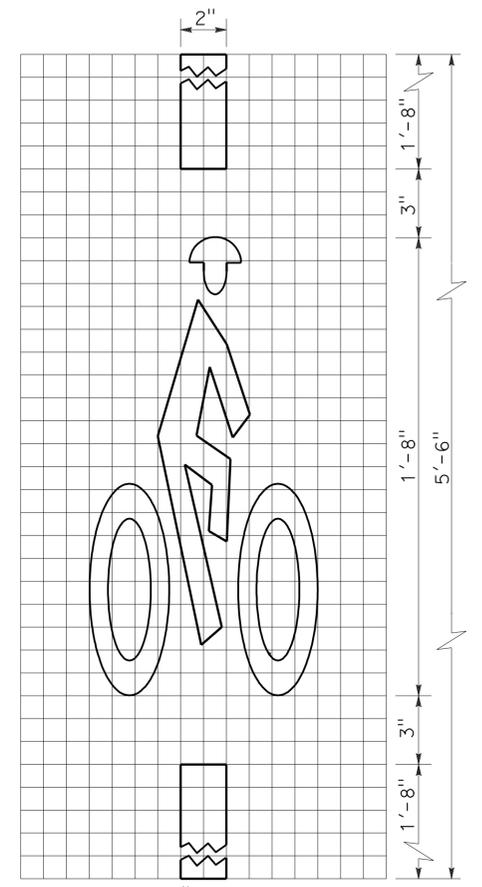
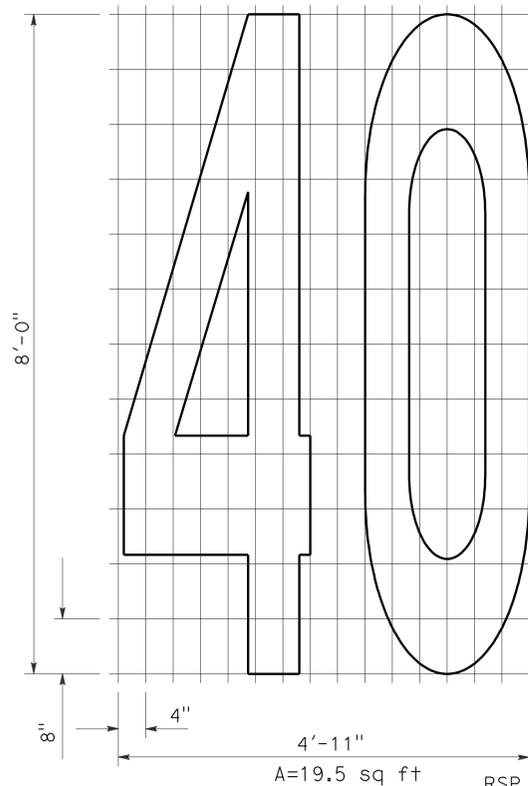
DIAMOND SYMBOL



INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING



NUMERALS



BICYCLE LOOP DETECTOR SYMBOL

NOTE:

1. Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

REVISED STANDARD PLAN RSP A24C

RSP A24C DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A24C DATED MAY 1, 2006 - PAGE 11 OF THE STANDARD PLANS BOOK DATED MAY 2006.

2006 REVISED STANDARD PLAN RSP A24C

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	8	19

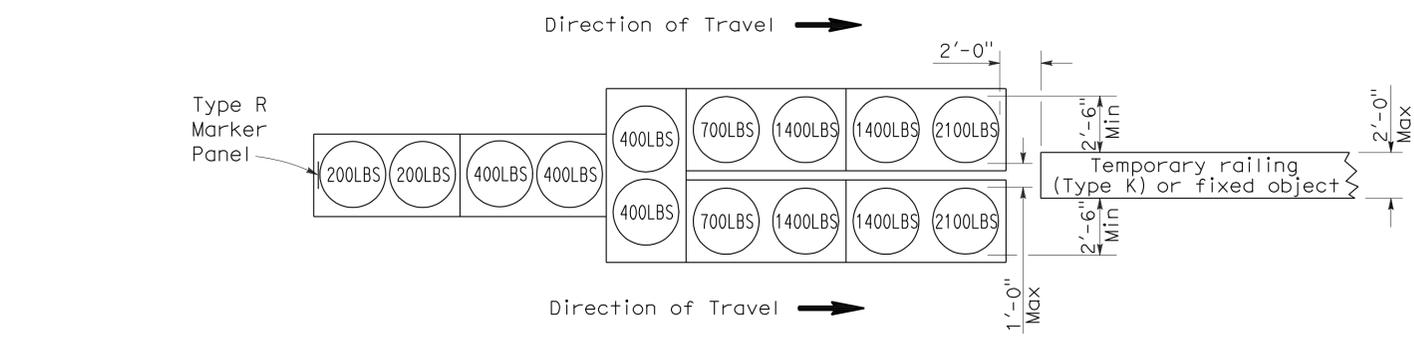
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

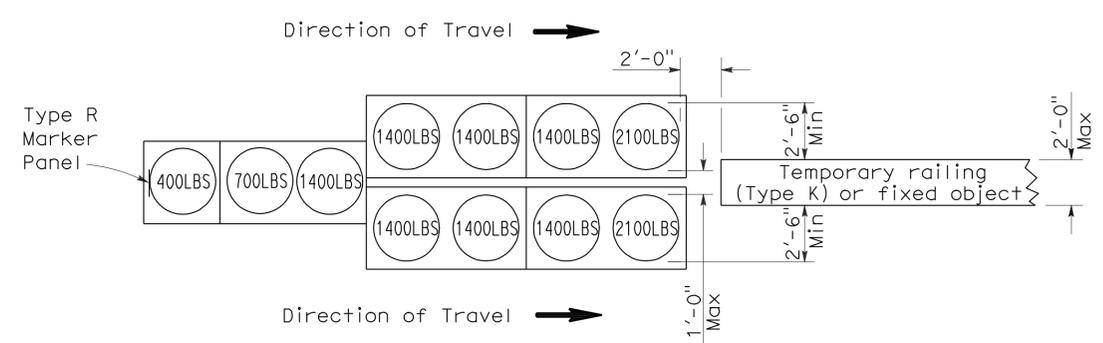
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 12-19-11



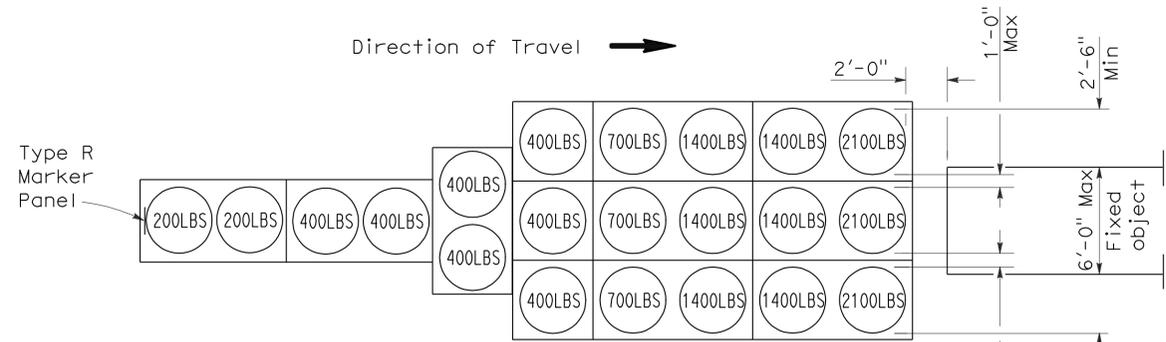
ARRAY 'TU14'

Approach speed 45 mph or more



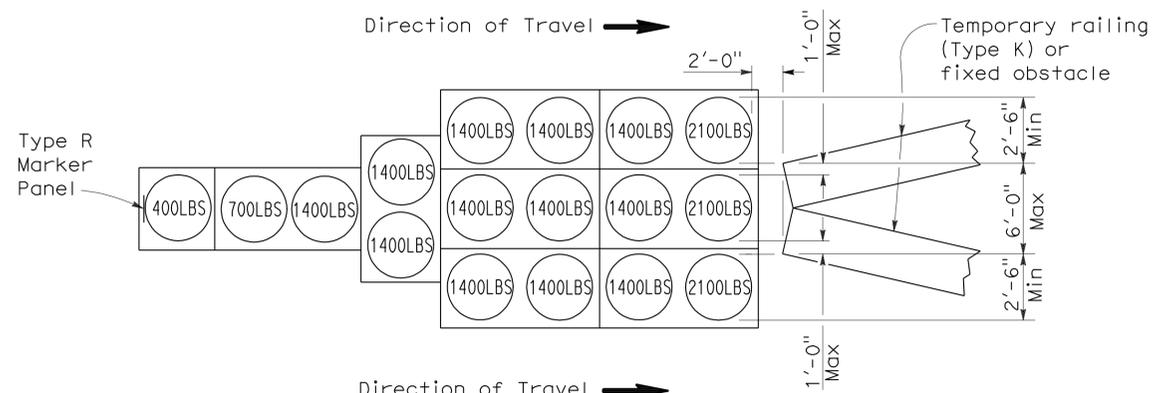
ARRAY 'TU11'

Approach speed less than 45 mph



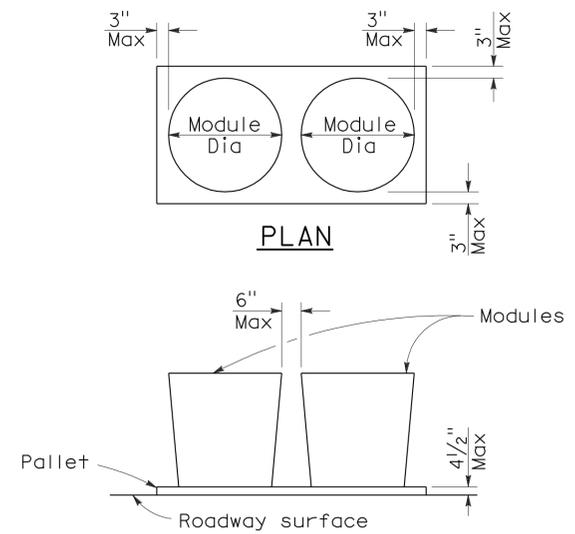
ARRAY 'TU21'

Approach speed 45 mph or more



ARRAY 'TU17'

Approach speed less than 45 mph



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

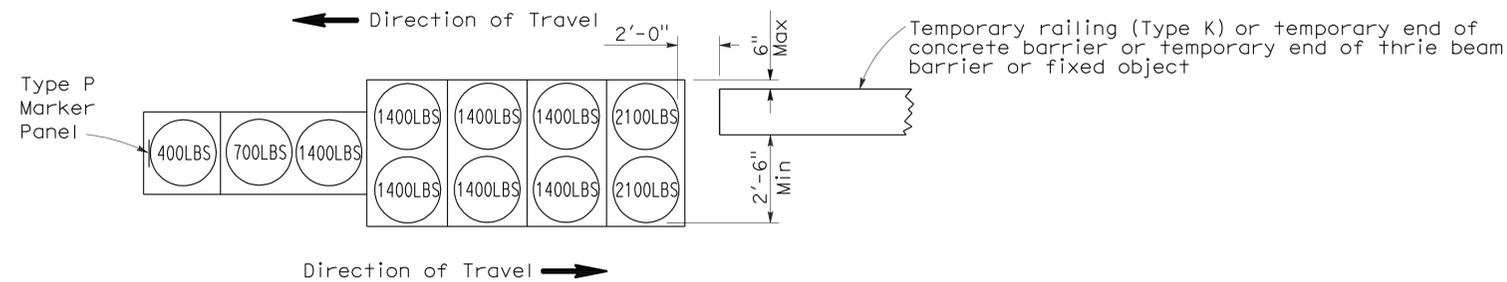
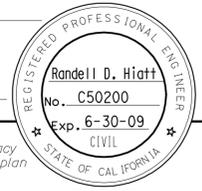
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	9	19

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

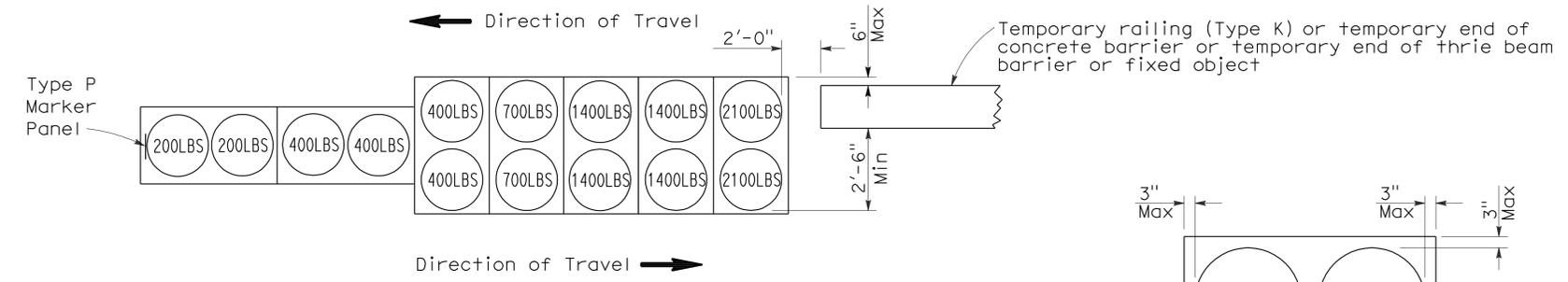
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 12-19-11



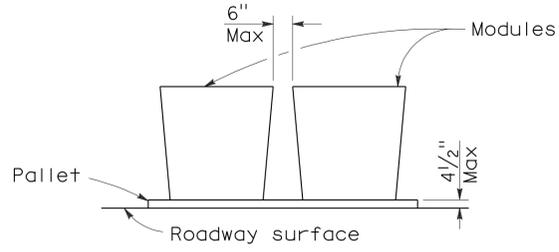
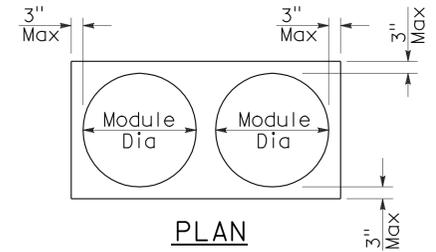
ARRAY 'TB11'

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

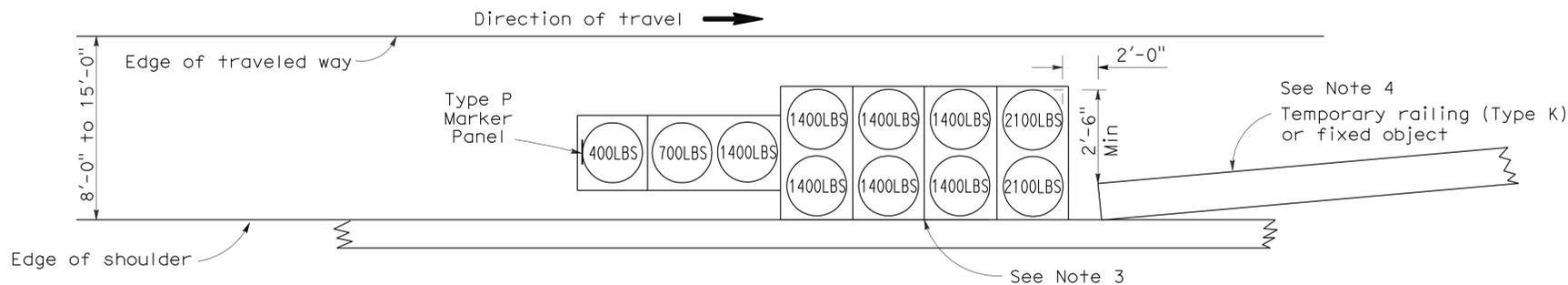
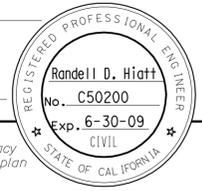
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	10	19

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

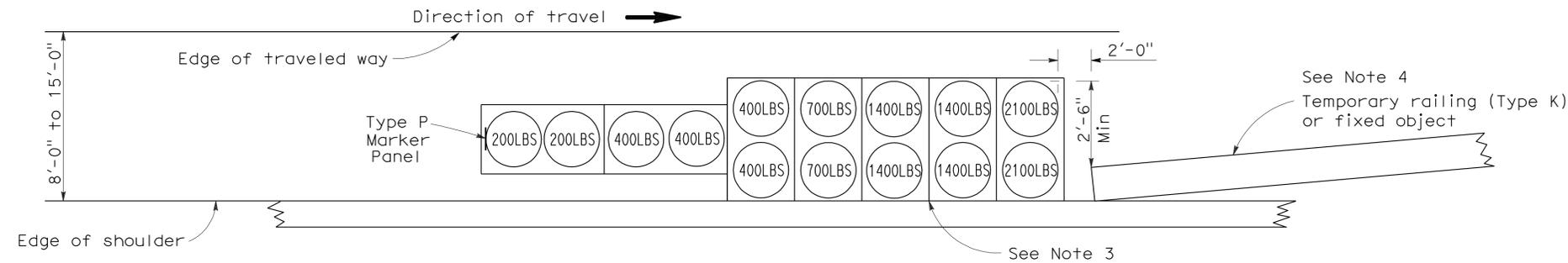
June 6, 2008
PLANS APPROVAL DATE

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.

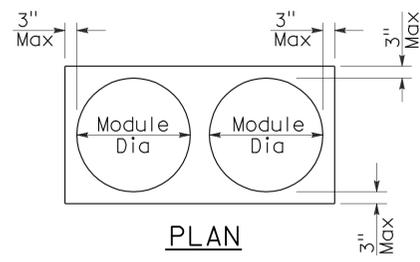
To accompany plans dated 12-19-11



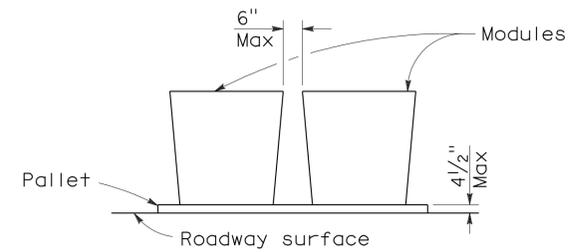
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- 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

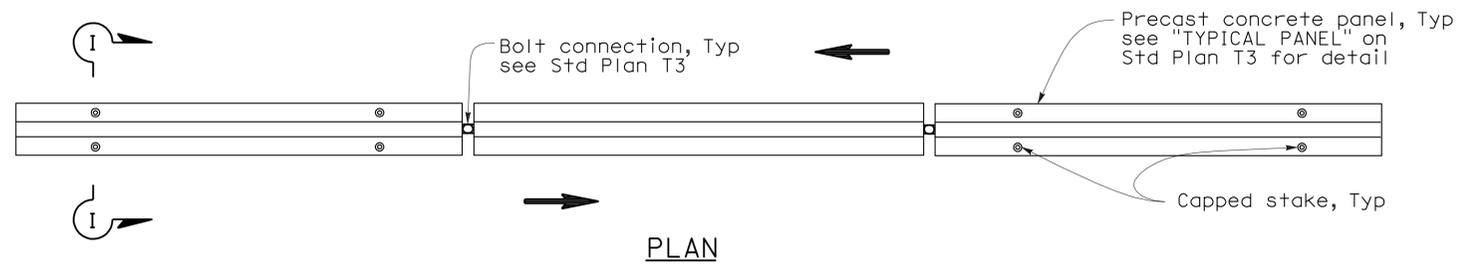
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	10,78	Var	11	19

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

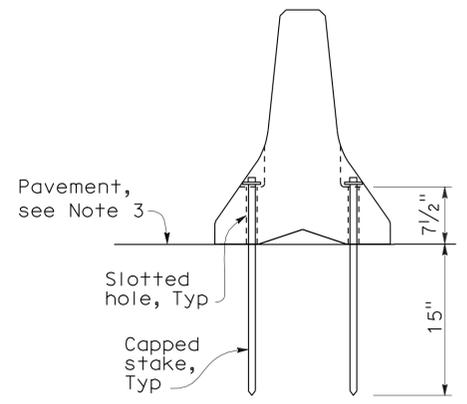
May 20, 2011
PLANS APPROVAL DATE

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 12-19-11

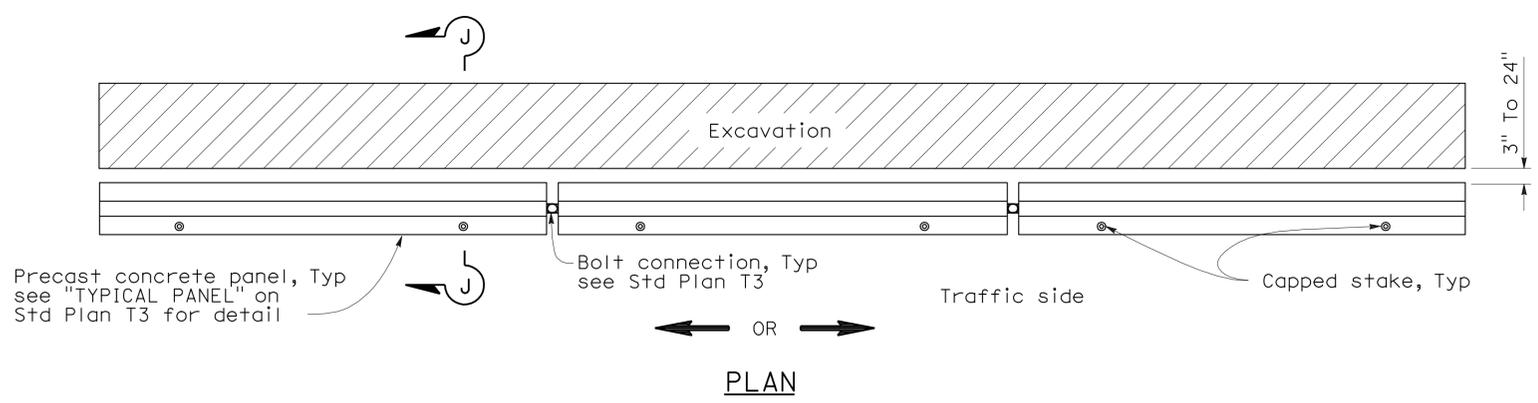


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

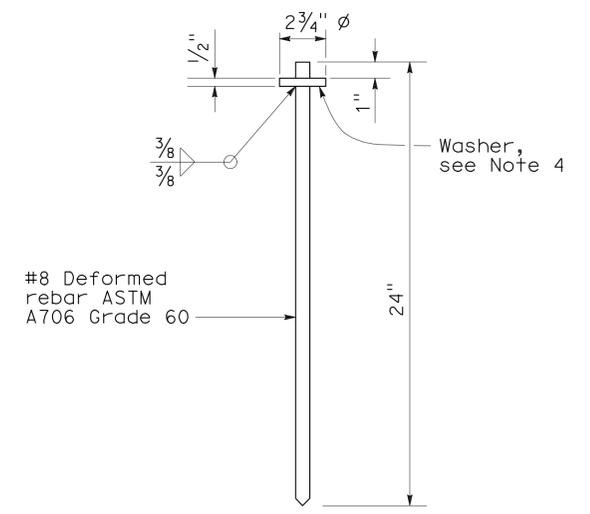
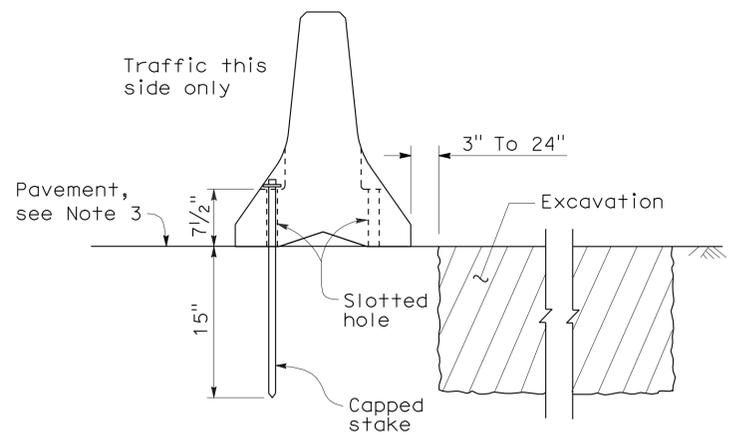


NOTES:

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 \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



CAPPED STAKE DETAIL

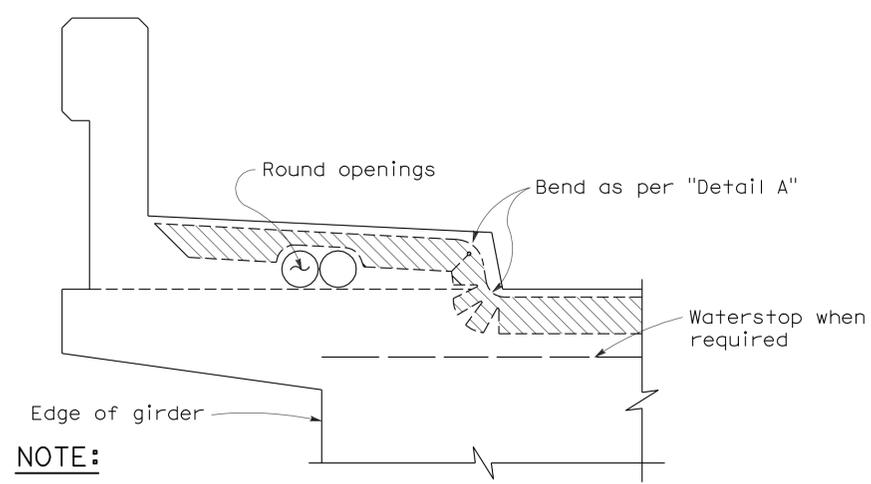
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

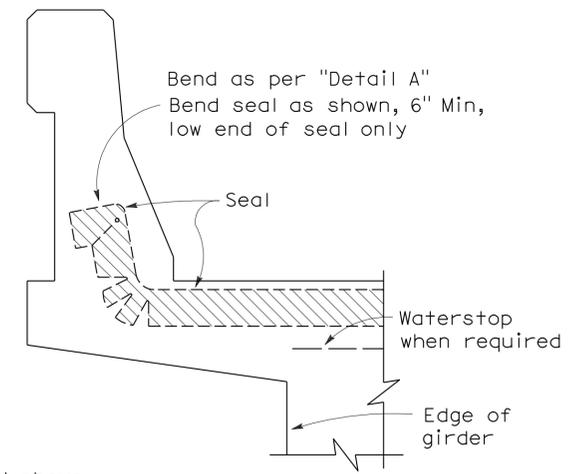
NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

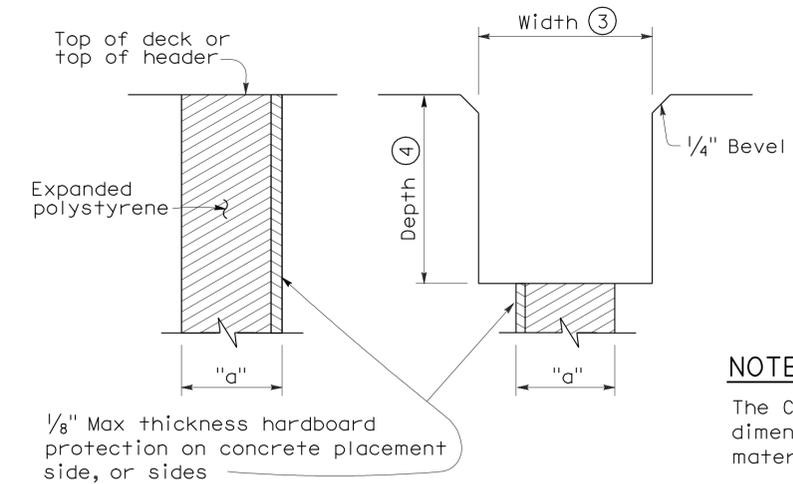


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



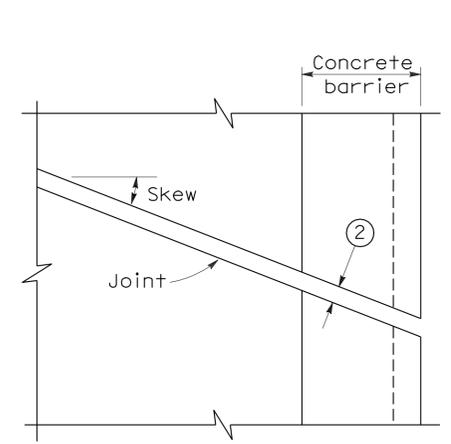
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

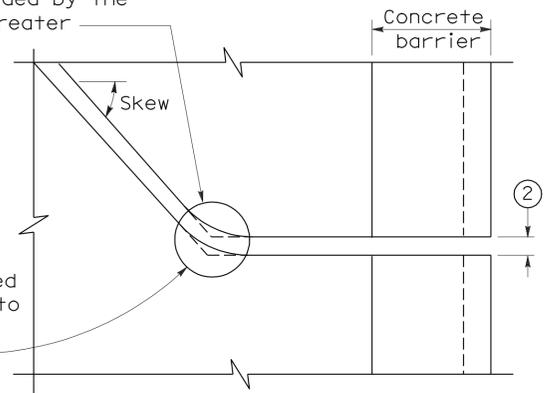
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



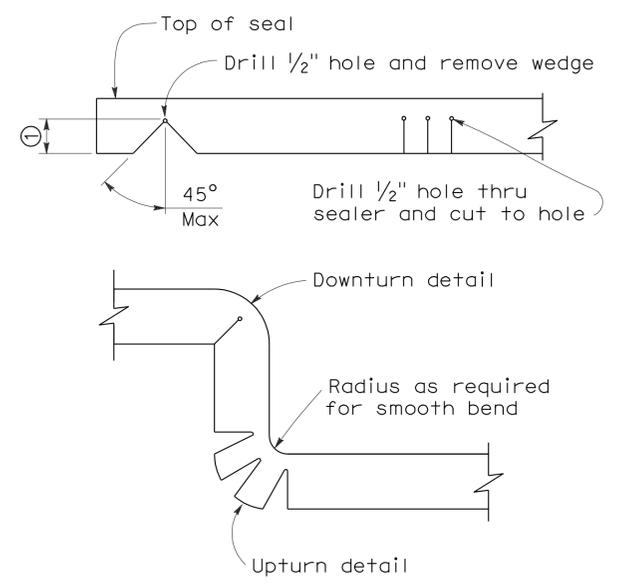
PLAN OF JOINT (SKEW ≤ 20°)

Min ϕ radius to be 4 times uncompressed width of seal or as recommended by the manufacturer, whichever is greater



PLAN OF JOINT (SKEW > 20°)

In lieu of saw cutting, this area may be blocked out and reconstructed to match saw cutting on both sides.



DETAIL A

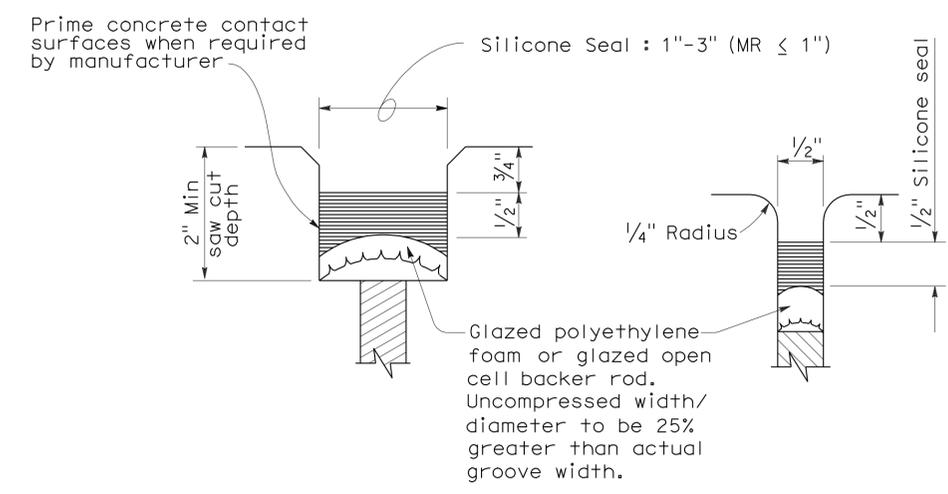
NOTES:

- Make smooth cuts from the bottom of seal to 1 1/2" 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.
- Opening in barrier to match width of sawn deck joint.
- Sawcut groove widths shall be as ordered by the Engineer.
- 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 (W₂) plus dimensions shown.
- MR (movement rating) as shown on other plan sheets.
- 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	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except CIP/PS	3/4"	3/4"	1/2"
	CIP/PS	1/2"	1/2"	1/2"

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
JOINT SEALS
(MAXIMUM MOVEMENT RATING = 2")
 NO SCALE

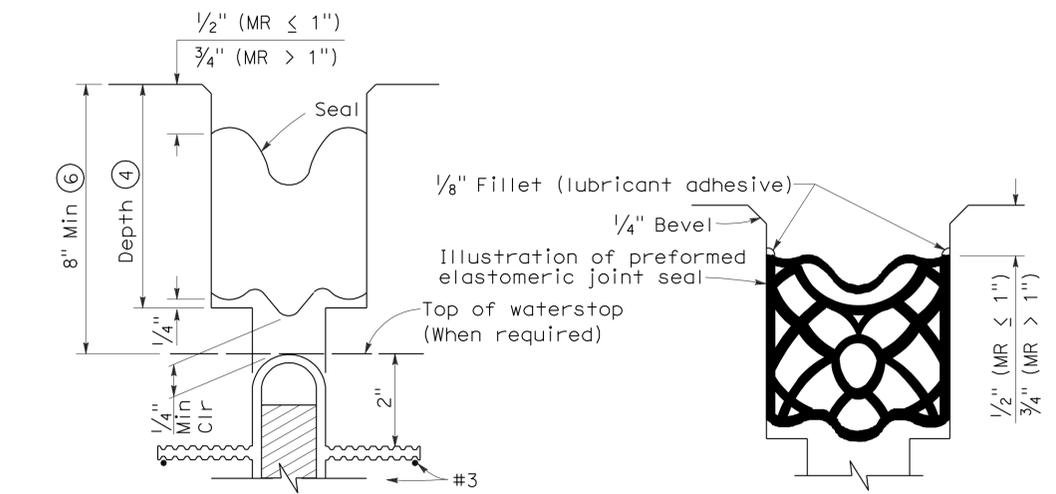


TYPE A SEAL

Movement rating : Silicone = 1" Max

TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

TYPE B SEAL

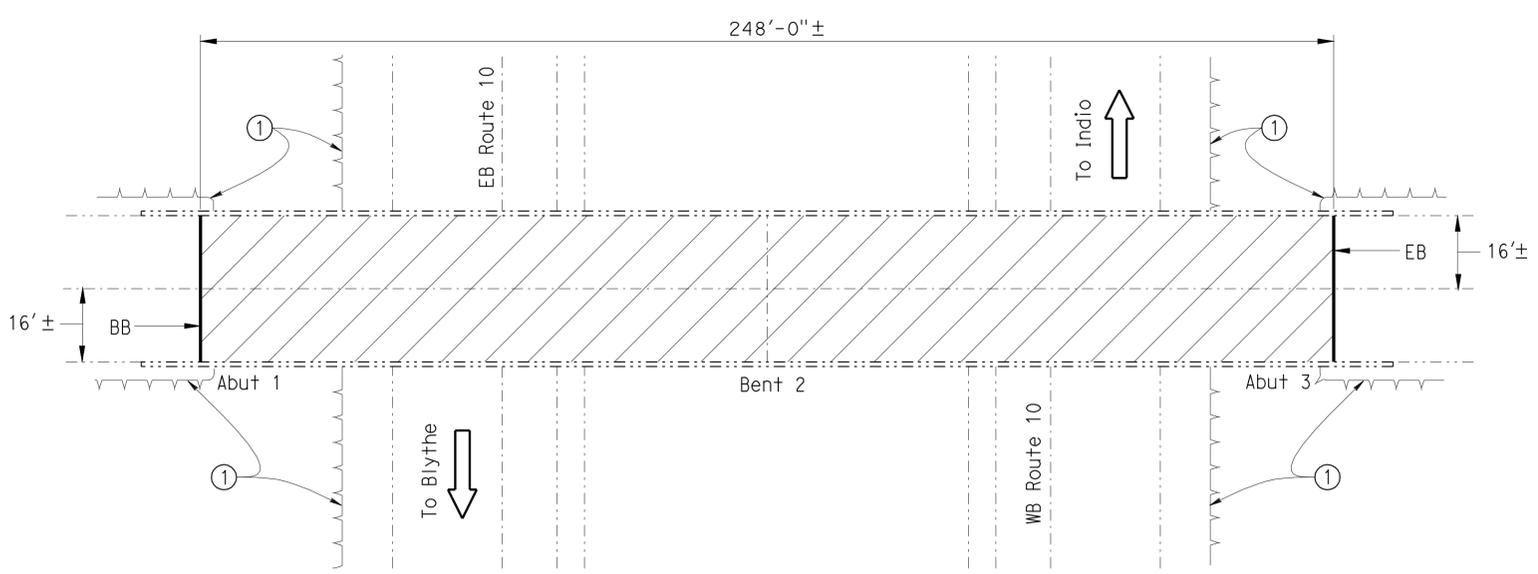
Movement Rating ≤ 2"

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.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	13	19

REGISTERED CIVIL ENGINEER *Peter B. Kang* 7-26-11 DATE
 12-19-11 PLANS APPROVAL DATE
 PETER B. KANG No. 70336 Exp. 12-31-12
 REGISTERED PROFESSIONAL ENGINEER 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:
- Indicates existing.
 - Indicates location of existing joint seal removal and placement of new joint seal.
 -  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.
 - ① Indicates location of concrete slope paving. See "SLOPE PAVING - FULL SLOPE" sheet for details.



WILEY'S WELL ROAD OC
 Br No. 56-0564, RIV, Route 10, PM R135.05
 1"=20'

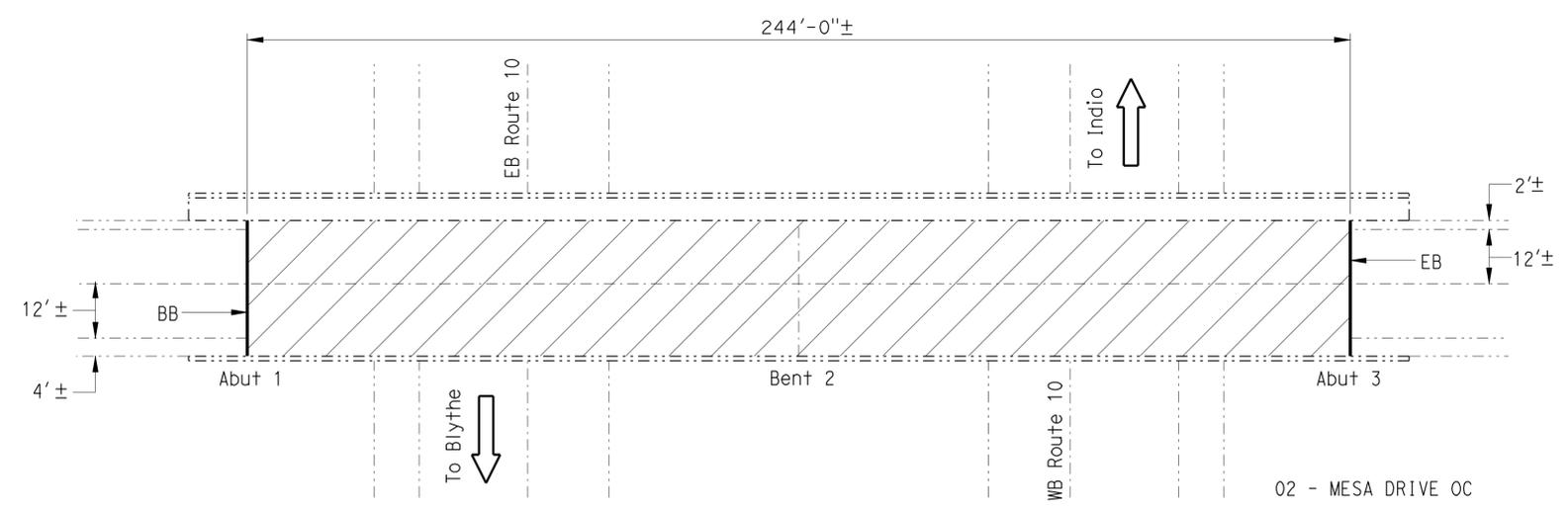
01 - WILEY'S WELL ROAD OC BR. NO. 56-0564

QUANTITIES

CLEAN BRIDGE DECK	7,936	SQFT
STRUCTURE EXCAVATION (BRIDGE)	34	CY
CLEAN EXPANSION JOINT	65	LF
JOINT SEAL (MR 1")	65	LF
TREAT BRIDGE DECK	7,936	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	88	GAL
PUBLIC SAFETY PLAN	LUMP	SUM
SLOPE PAVING (CONCRETE)	34	CY

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")



MESA DRIVE OC
 Br No. 56-0565, RIV, Route 10, PM R145.12
 1"=20'

02 - MESA DRIVE OC BR. NO. 56-0565

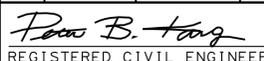
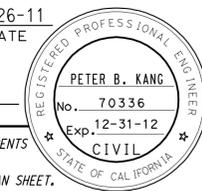
QUANTITIES

CLEAN BRIDGE DECK	7,320	SQFT
CLEAN EXPANSION JOINT	61	LF
JOINT SEAL (MR 1")	61	LF
TREAT BRIDGE DECK	7,320	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	81	GAL
PUBLIC SAFETY PLAN	LUMP	SUM

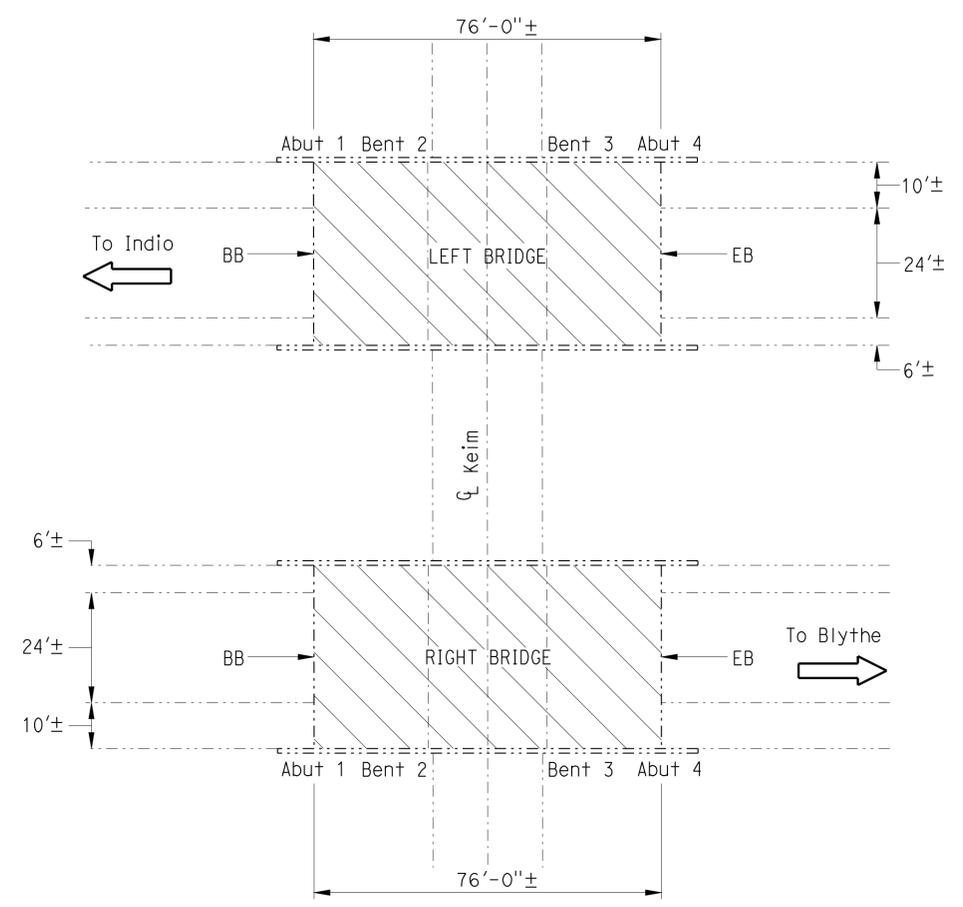
NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

PROJECT NUMBER & PHASE 0800020017

 DESIGN ENGINEER 7-26-11	DESIGN	BY P. Kang	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 10 & 78 BRIDGES GENERAL PLAN NO. 1			
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Ramirez	CHECKED E. Castillo			Varies				
	QUANTITIES	BY P. Kang	CHECKED D. Acoba						Various				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)								ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 08 EA OP6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 2-18-11 3-18-11 5-18-11 5-18-11 8-24-11	SHEET 1 OF 7

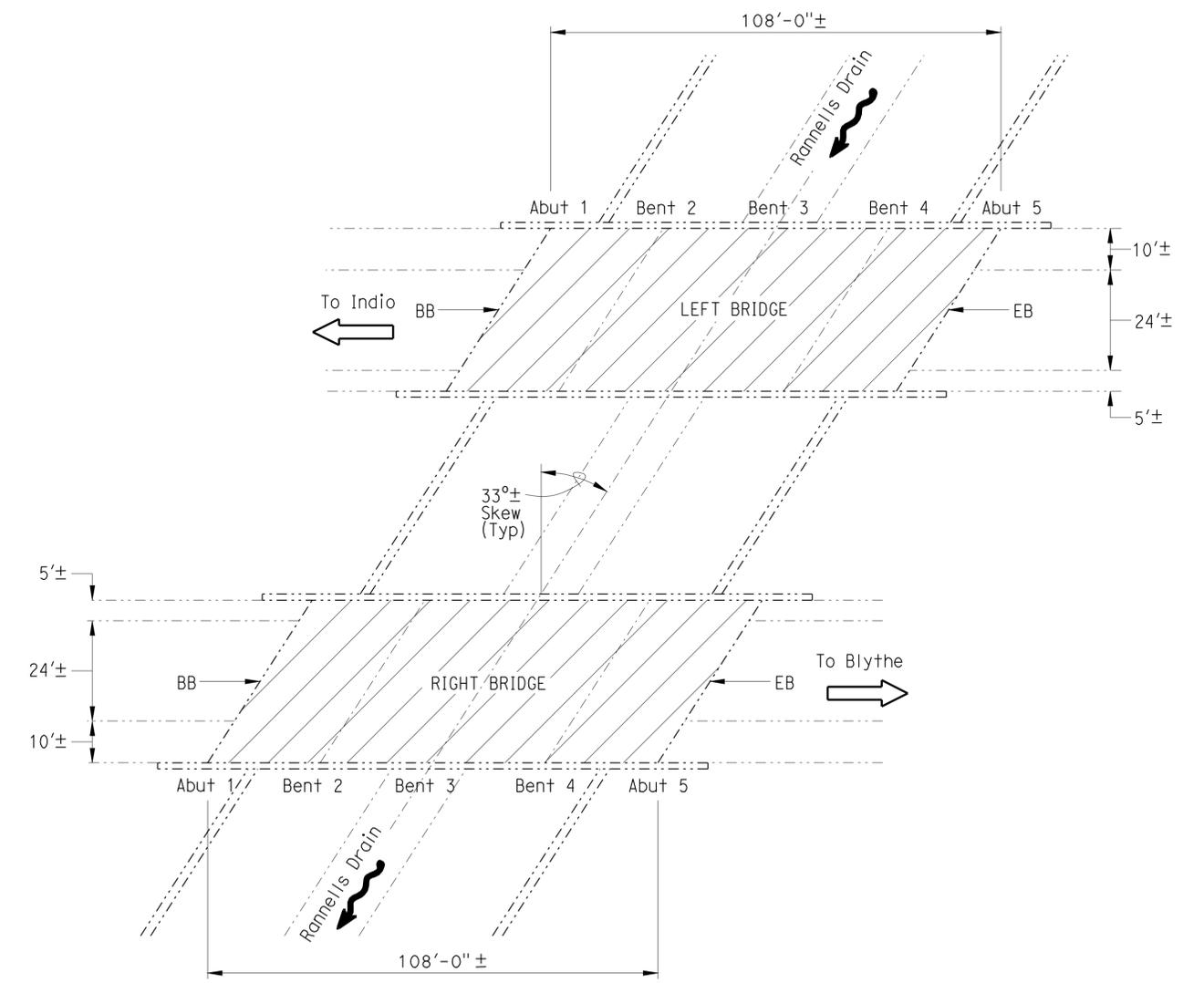
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	14	19
 REGISTERED CIVIL ENGINEER			7-26-11	DATE	
12-19-11 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.</small>					

- NOTES:
- Indicates existing.
 -  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.
 -  Indicates limits of prepare concrete bridge deck surface, furnish and place new 3/4" 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" on "JOINT SEAL DETAIL" sheet.



KEIM ACCESS ROAD UC
 Br No. 56-0604L/R, RIV, Route 10, PM R146.90
 1"=20'

03 - KEIM ACCESS ROAD UC	BR. NO. 56-0604L/R
QUANTITIES	
REMOVE UNSOUND CONCRETE	30 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	6,080 SQFT
RAPID SETTING CONCRETE (PATCH)	30 CF
FURNISH POLYESTER CONCRETE OVERLAY	456 CF
PLACE POLYESTER CONCRETE OVERLAY	6,080 SQFT
PUBLIC SAFETY PLAN	LUMP SUM



RANNELLS DRAIN
 Br No. 56-0588L/R, RIV, Route 10, PM R148.53
 1"=20'

04 - RANNELLS DRAIN	BR. NO. 56-0588L/R
QUANTITIES	
CLEAN BRIDGE DECK	8,424 SQFT
TREAT BRIDGE DECK	8,424 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	94 GAL
PUBLIC SAFETY PLAN	LUMP SUM

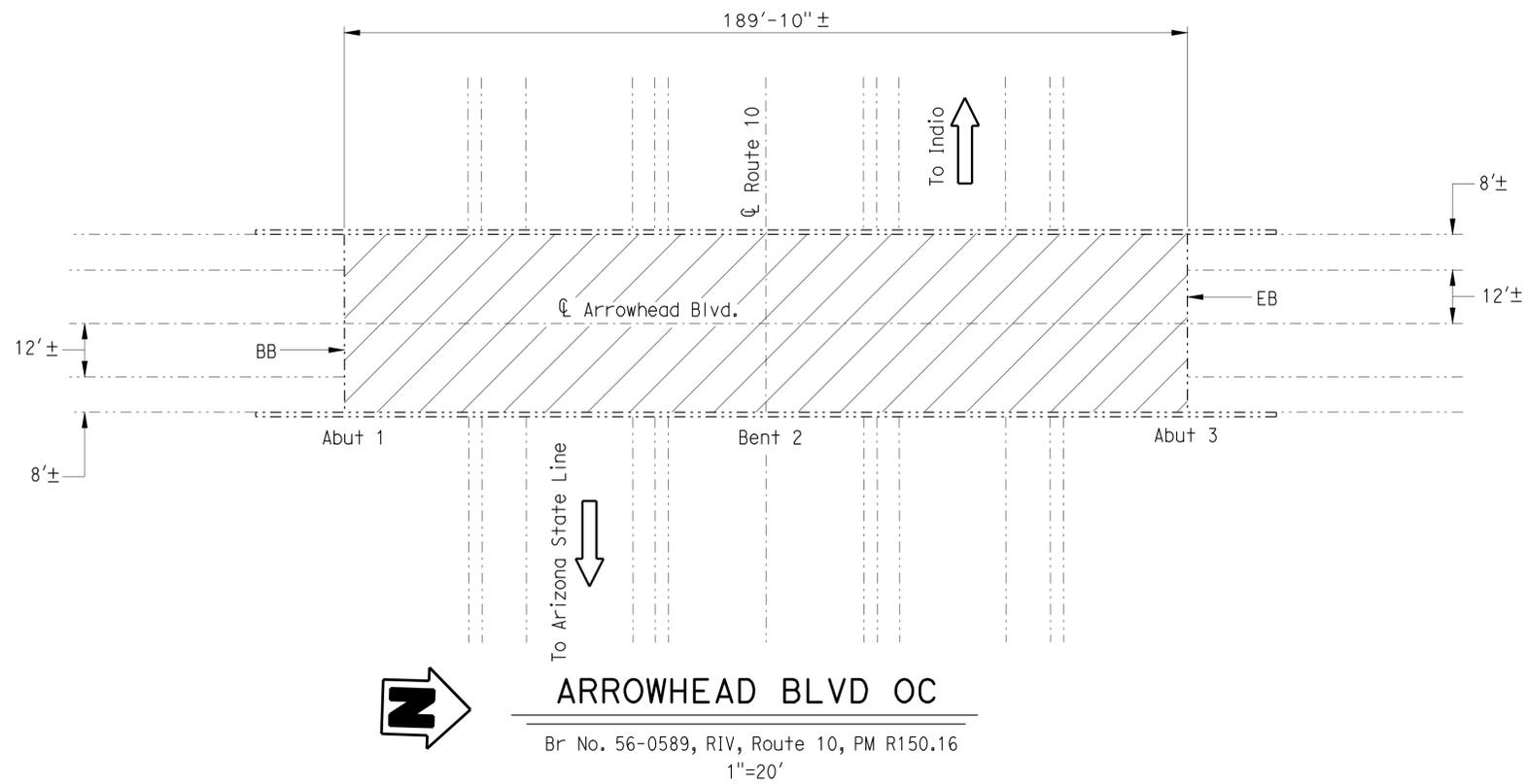
NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

PROJECT NUMBER & PHASE 0800020017

 DESIGN ENGINEER 7-26-11	DESIGN	BY P. Kang	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 10 & 78 BRIDGES GENERAL PLAN NO. 2	
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Ramirez	CHECKED E. Castillo			Varies		
	QUANTITIES	BY P. Kang	CHECKED D. Acoba						POST MILE		Various
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)								ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 08 EA OP6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES 2-18-11 3-18-11 5-17-11 8-24-11	SHEET 2 OF 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	15	19

Peter B. Kang
 REGISTERED CIVIL ENGINEER DATE 7-26-11
 12-19-11
 PLANS APPROVAL DATE
 PETER B. KANG
 No. 70336
 Exp. 12-31-12
 CIVIL
 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.

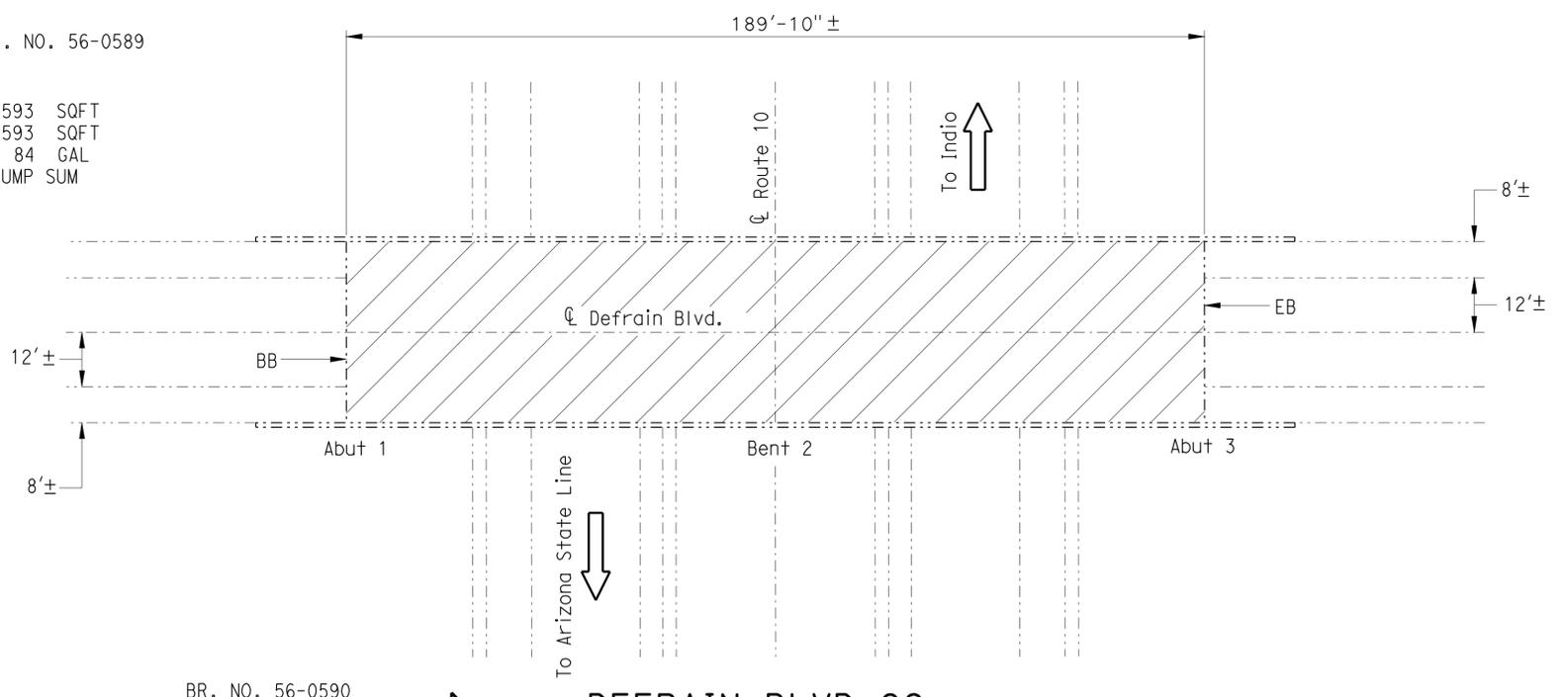


NOTES:
 ----- Indicates existing.
 [Hatched Box] Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.



ARROWHEAD BLVD OC
 Br No. 56-0589, RIV, Route 10, PM R150.16
 1"=20'

05 - ARROWHEAD BLVD OC	BR. NO. 56-0589
QUANTITIES	
CLEAN BRIDGE DECK	7,593 SQFT
TREAT BRIDGE DECK	7,593 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	84 GAL
PUBLIC SAFETY PLAN	LUMP SUM



DEFRAIN BLVD OC
 Br No. 56-0590, RIV, Route 10, PM R151.15
 1"=20'

06 - DEFRAIN BLVD OC	BR. NO. 56-0590
QUANTITIES	
CLEAN BRIDGE DECK	7,593 SQFT
TREAT BRIDGE DECK	7,593 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	84 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

PROJECT NUMBER & PHASE 0800020017

 DESIGN ENGINEER 7-26-11	DESIGN	BY P. Kang	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 10 & 78 BRIDGES GENERAL PLAN NO. 3		
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Ramirez	PLANS AND SPECIFICATIONS COMPARED E. Castillo			Varies			
	QUANTITIES	BY P. Kang	CHECKED D. Acoba					POST MILE	Various			
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 08 EA OP6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 2-18-11 3-18-11 5-17-11 8-24-11	SHEET 3 OF 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	16	19

Peter B. Kang 7-26-11
 REGISTERED CIVIL ENGINEER DATE

12-19-11
 PLANS APPROVAL DATE

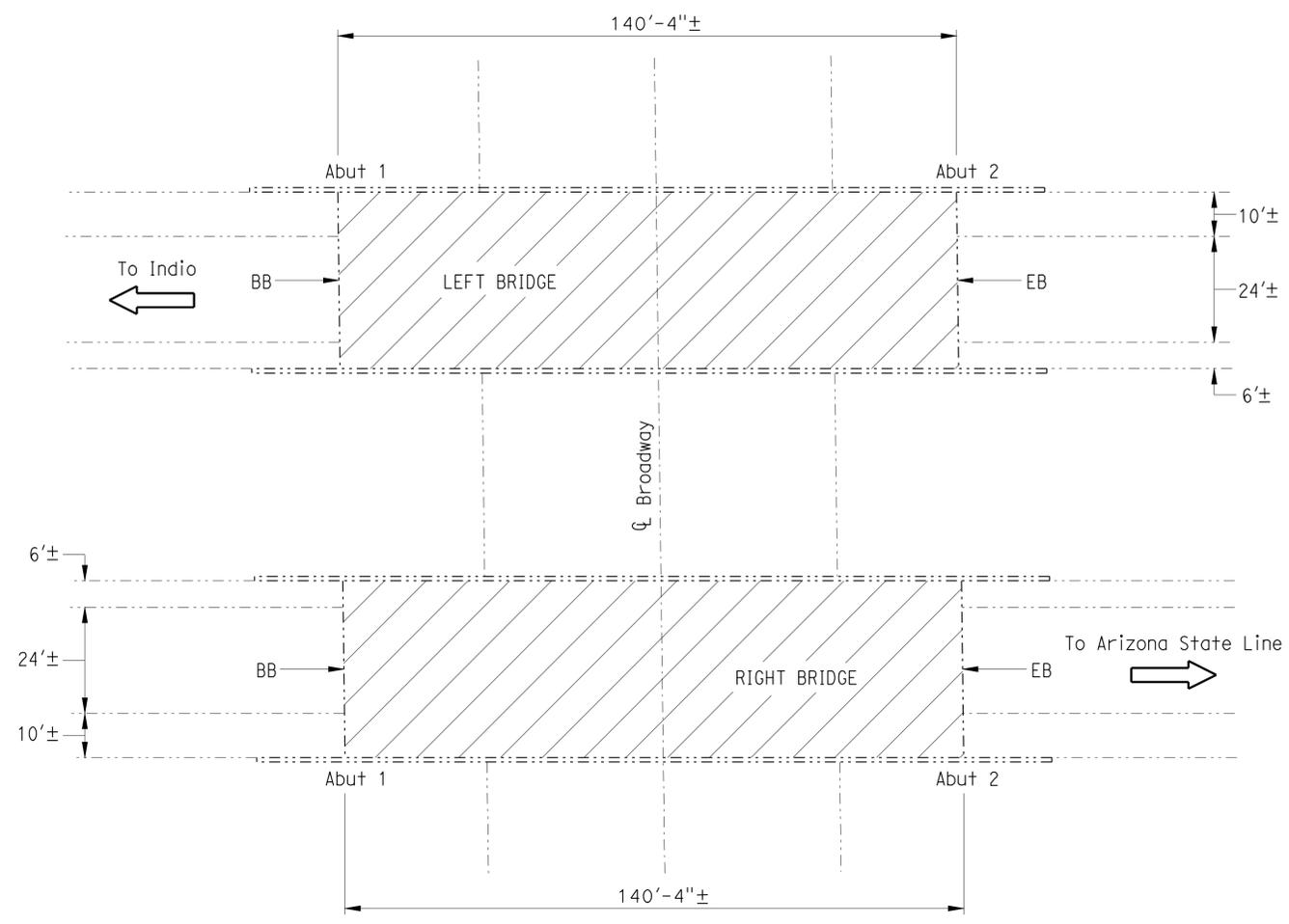
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 PETER B. KANG
 No. 70336
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

NOTES:

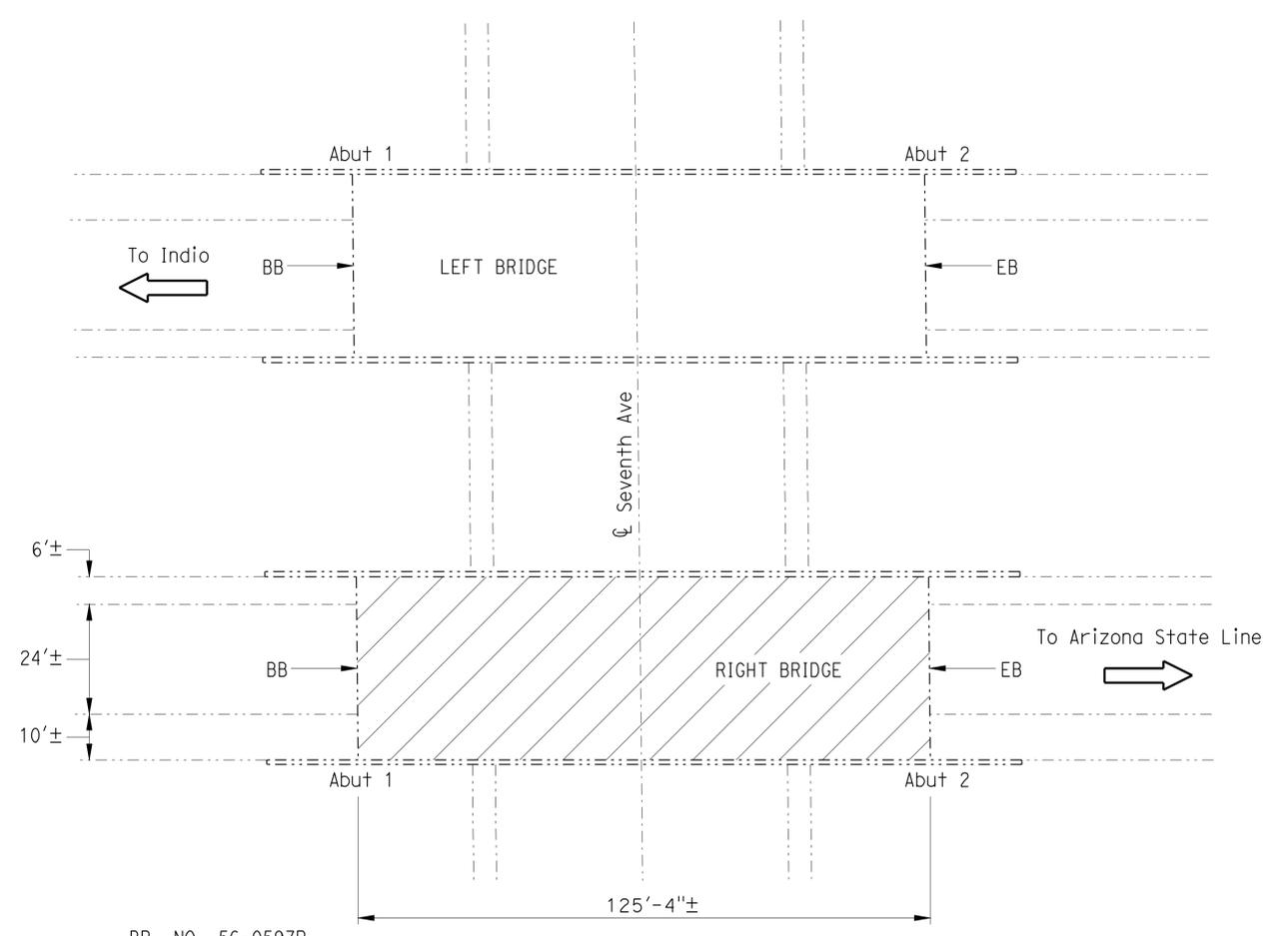
----- Indicates existing.

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.



BROADWAY UC
 Br No. 56-0595L/R, RIV, Route 10, PM R152.65
 1"=20'

07 - BROADWAY UC	BR. NO. 56-0595L/R
QUANTITIES	
CLEAN BRIDGE DECK	11,227 SQFT
TREAT BRIDGE DECK	11,227 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	125 GAL
PUBLIC SAFETY PLAN	LUMP SUM



SEVENTH AVE UC
 Br No. 56-0597R, RIV, Route 10, PM R153.16
 1"=20'

08 - SEVENTH AVE UC	BR. NO. 56-0597R
QUANTITIES	
CLEAN BRIDGE DECK	5,013 SQFT
TREAT BRIDGE DECK	5,013 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	56 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

 DESIGN ENGINEER	DESIGN	BY P. Kang	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 10 & 78 BRIDGES GENERAL PLAN NO. 4			
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Ramirez	CHECKED E. Castillo			POST MILE				
	QUANTITIES	BY P. Kang	CHECKED D. Acoba						Various				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)								ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 08 EA OP6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 4 OF 7

FILE => dgp_08_op6901.dgn

USERNAME => s124496 DATE PLOTTED => 23-DEC-2011 TIME PLOTTED => 07:46

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	17	19

Peter B. Kang 7-26-11
 REGISTERED CIVIL ENGINEER DATE

12-19-11
 PLANS APPROVAL DATE

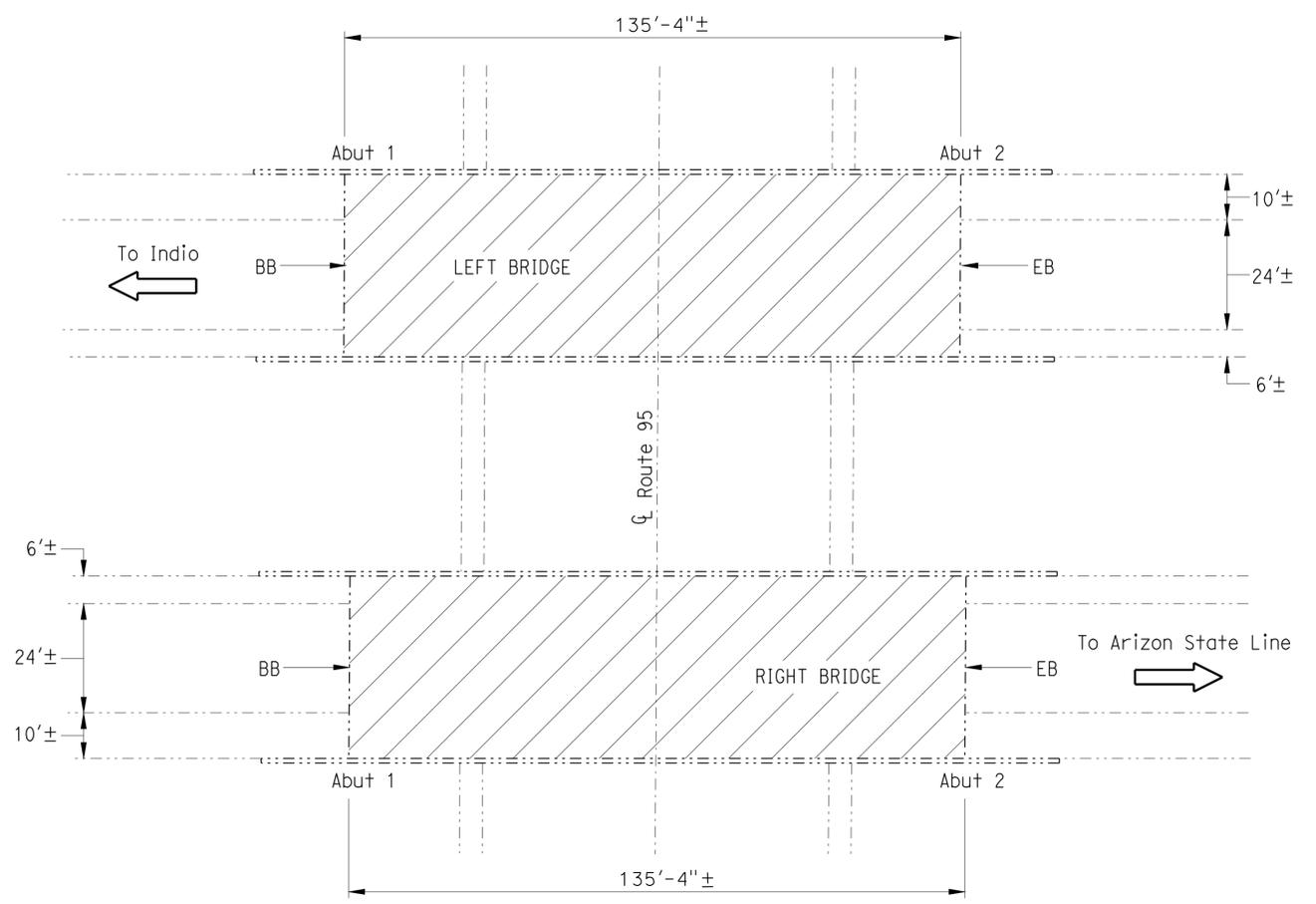
PETER B. KANG
 No. 70336
 Exp. 12-31-12
 CIVIL
 STATE OF CALIFORNIA

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

NOTES:

----- Indicates existing.

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate.



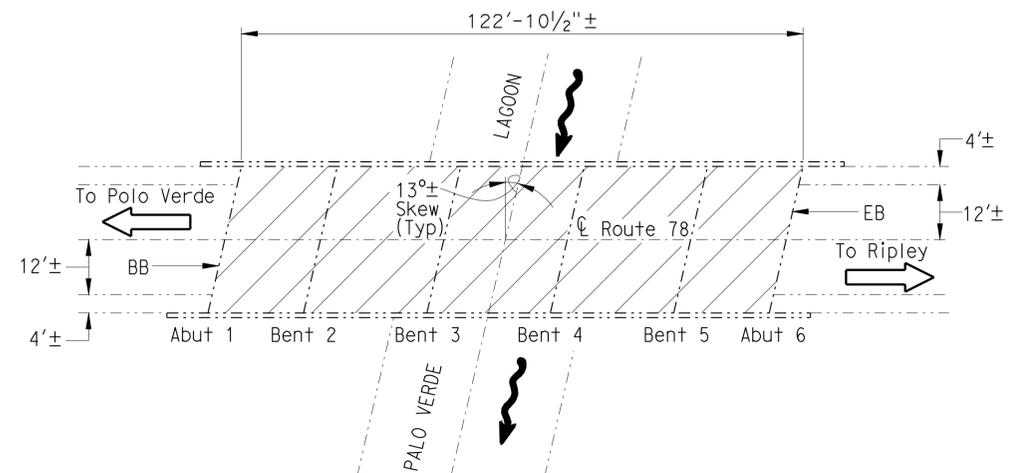
ROUTE 10/95 SEP
 Br No. 56-0598L/R, RIV, Route 10, PM R154.15
 1"=20'

09 - ROUTE 10/95 SEP
 QUANTITIES

CLEAN BRIDGE DECK
 TREAT BRIDGE DECK
 FURNISH BRIDGE DECK TREATMENT MATERIAL
 PUBLIC SAFETY PLAN

BR. NO. 56-0598L/R

10,827 SQFT
 10,827 SQFT
 120 GAL
 LUMP SUM

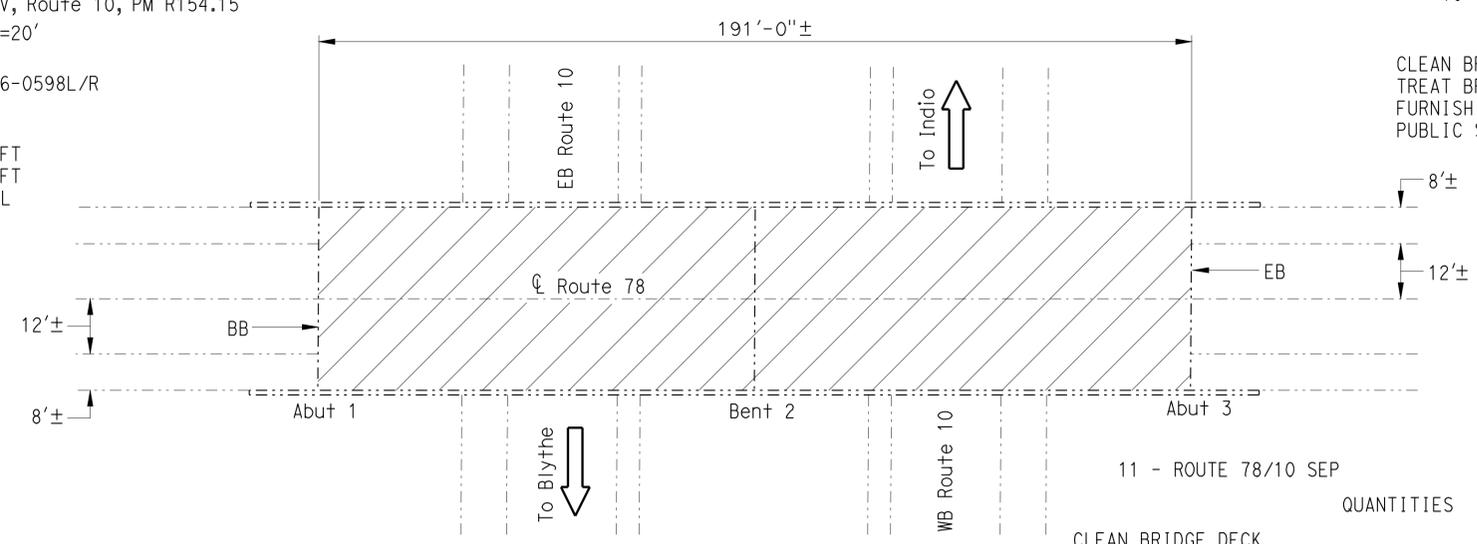


PALO VERDE LAGOON
 Br No. 56-0337, RIV, Route 78, PM 8.06
 1"=20'

10 - PALO VERDE LAGOON
 QUANTITIES

CLEAN BRIDGE DECK
 TREAT BRIDGE DECK
 FURNISH BRIDGE DECK TREATMENT MATERIAL
 PUBLIC SAFETY PLAN

3,932 SQFT
 3,932 SQFT
 44 GAL
 LUMP SUM



ROUTE 78/10 SEP
 Br No. 56-0569, RIV, Route 78, PM 16.15
 1"=20'

11 - ROUTE 78/10 SEP
 QUANTITIES

CLEAN BRIDGE DECK
 TREAT BRIDGE DECK
 FURNISH BRIDGE DECK TREATMENT MATERIAL
 PUBLIC SAFETY PLAN

BR. NO. 56-0569

7,640 SQFT
 7,640 SQFT
 85 GAL
 LUMP SUM

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

 DESIGN ENGINEER 7-26-11	DESIGN	BY P. Kang	CHECKED D. Acoba	LAYOUT	BY N. Kelley	CHECKED P. Kang	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 10 & 78 BRIDGES GENERAL PLAN NO. 5
	DETAILS	BY N. Kelley	CHECKED D. Acoba	SPECIFICATIONS	BY J. Ramirez	CHECKED E. Castillo			Varies	
	QUANTITIES	BY P. Kang	CHECKED D. Acoba						Various	
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 08 EA OP6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES
							FILE => egp_08_op6901.dgn		REVISION DATES	SHEET 5 OF 7

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	18	19

REGISTERED CIVIL ENGINEER DATE 7-26-11
 PETER B. KANG No. 70336 Exp. 12-31-12
 REGISTERED PROFESSIONAL ENGINEER CIVIL
 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.

DECK REPAIR TABLE			
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NUMBER	BRIDGE NAME	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH DAMAGE (INCHES)
56-0604R	Keim Access Road UC	2	3
56-0604L	Keim Access Road UC	2	3

NOTES:

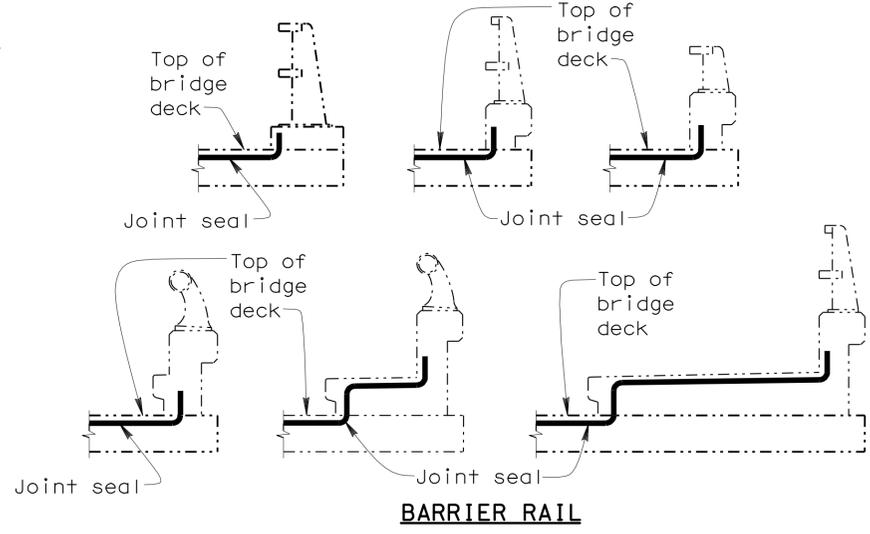
----- Indicates existing.

 Indicates limits of new polyester concrete.

JOINT SEAL TABLE							
BRIDGE NUMBER	BRIDGE NAME	LOCATION		MINIMUM "MR" (in)	APPROXIMATE LENGTH (ft)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (in)
		Abut	BB				
56-0564	WILEY'S WELL ROAD OC	Abut 1	BB	1	33	No	12
		Abut 3	EB	1	33	No	12
56-0565	MESA DRIVE OC	Abut 1	BB	1	31	No	12
		Abut 3	EB	1	31	No	12

LEGEND:

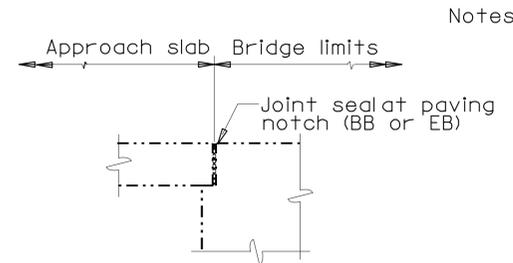
BB - Paving notch at beginning of bridge
 EB - Paving notch at end of bridge



- The following notes apply to JOINT SEAL TYPE B:
- Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
 - 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.
 - W1 shall be the smaller of the values determined as follows:
 - 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - 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.
 - 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.
 - For details not shown, see 

- The following notes apply to JOINT SEAL TYPE A:
- Install Type A joint seal 3" up into rail on the low side of deck where joint matches curb or rail joint.
 - For details not shown, see 

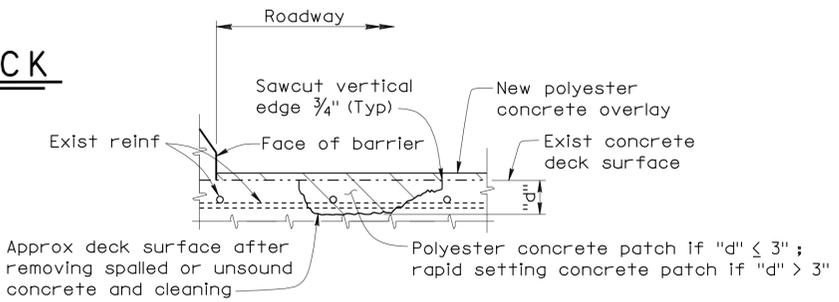
JOINT SEAL AT LOW SIDE OF DECK



DIAPHRAGM ABUTMENT JOINT SEAL LOCATION

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

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



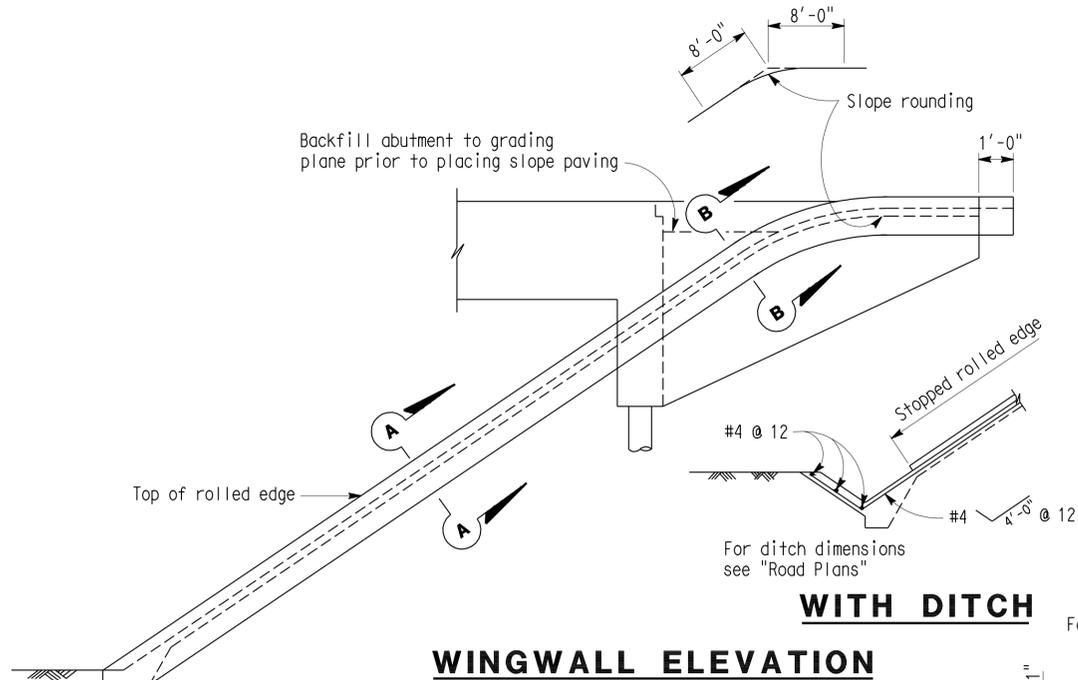
DECK REPAIR DETAIL - OVERLAY

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

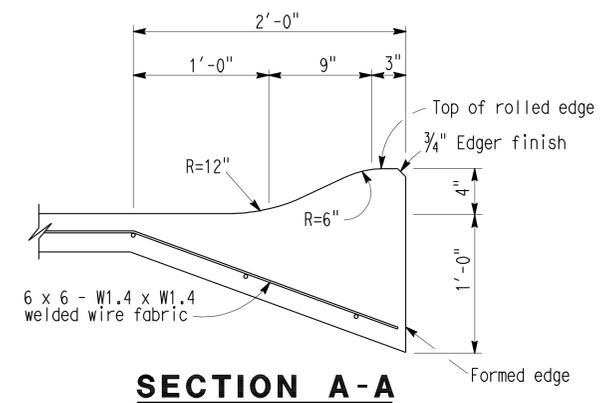
DESIGN BY P. Kang CHECKED D. Acoba		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. Varies	ROUTE 10 & 78 BRIDGES	
DETAILS BY N. Kelley CHECKED D. Acoba				POST MILE Varies		JOINT SEAL DETAILS
QUANTITIES BY P. Kang CHECKED D. Acoba				Various		
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 08 EA 0P6901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 2-18-11, 3-18-11, 5-17-11, 8-24-11	SHEET 6 OF 7

USERNAME => s124496 DATE PLOTTED => 23-DEC-2011 TIME PLOTTED => 07:46

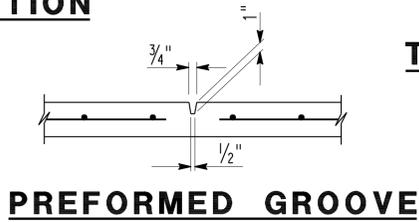
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	10,78	Var	19	19
<i>Peter B. Kang</i> REGISTERED CIVIL ENGINEER			7-26-11	DATE	
12-19-11 PLANS APPROVAL DATE			PETER B. KANG No. 70336 Exp. 12-31-12 CIVIL STATE OF CALIFORNIA		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



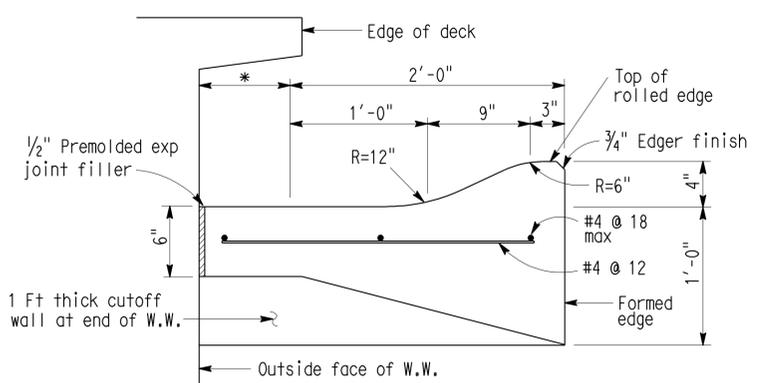
WINGWALL ELEVATION



SECTION A-A



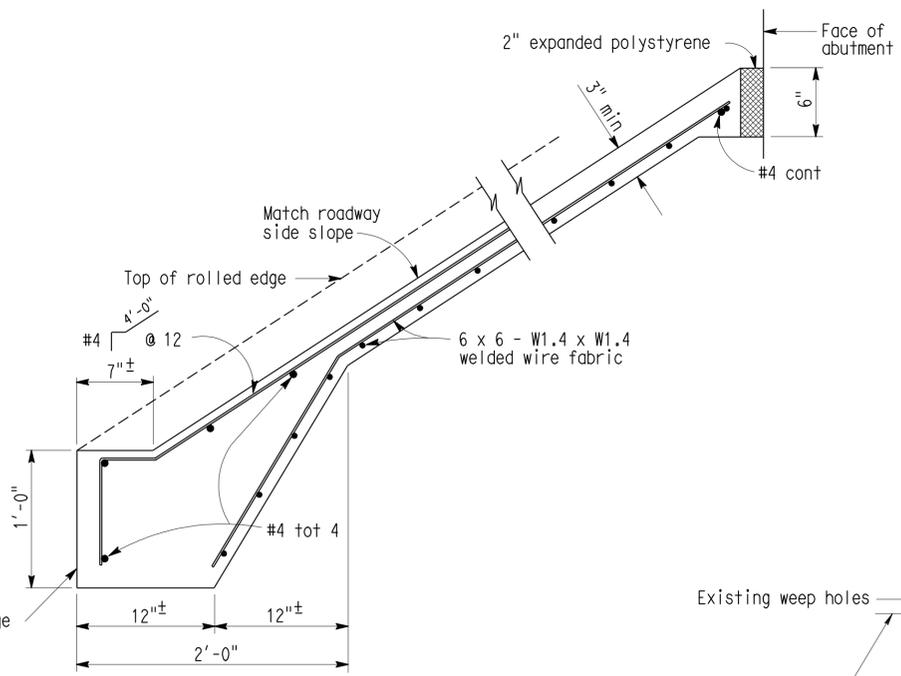
PREFORMED GROOVE



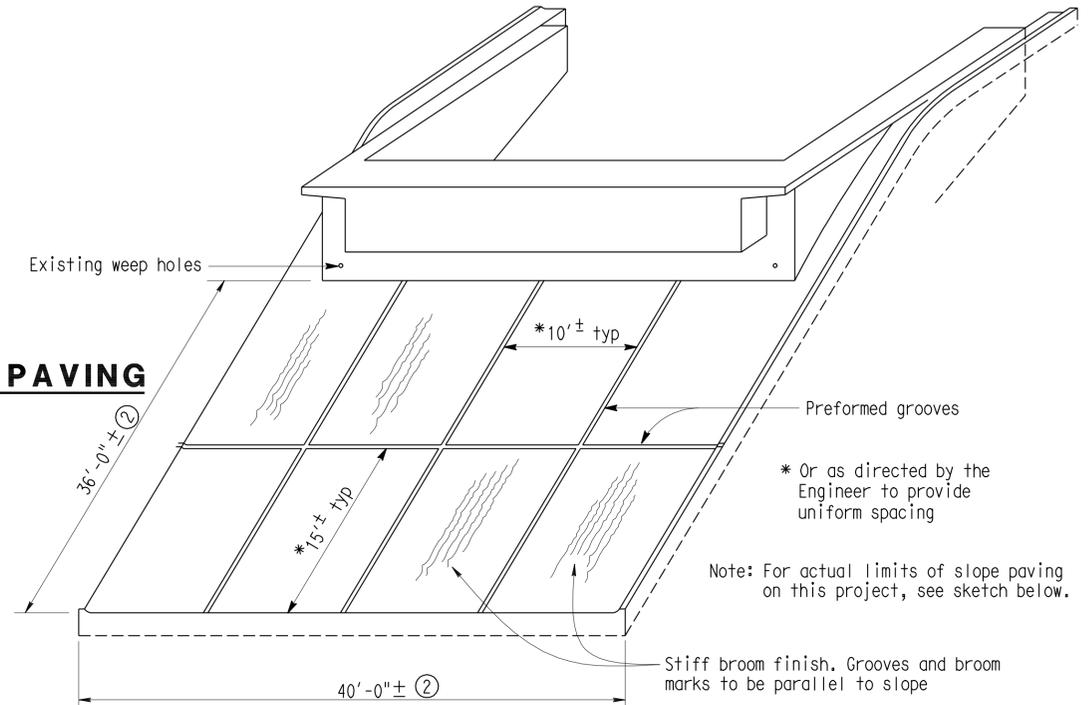
SECTION B-B

* This dimension becomes zero when edge of deck is at outside face of W.W.

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



TYPICAL SECTION - CONCRETE PAVING



PICTORIAL VIEW OF TYPICAL INSTALLATION

Abut 1 and Abut 3 WILEY'S WELL ROAD OC Br. No. 56-0564
 ② Indicates approximate location of structure excavation.

DESIGN	BY P. Kang	CHECKED D. Acoba
DETAILS	BY N. Kelley	CHECKED D. Acoba
QUANTITIES	BY P. Kang	CHECKED D. Acoba

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	Varies
POST MILE	Varies

ROUTE 10 & 78 BRIDGES
SLOPE PAVING - FULL SLOPE