

INDEX OF PLANS

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2	CONSTRUCTION AREA SIGNS
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STRUCTURE PLANS

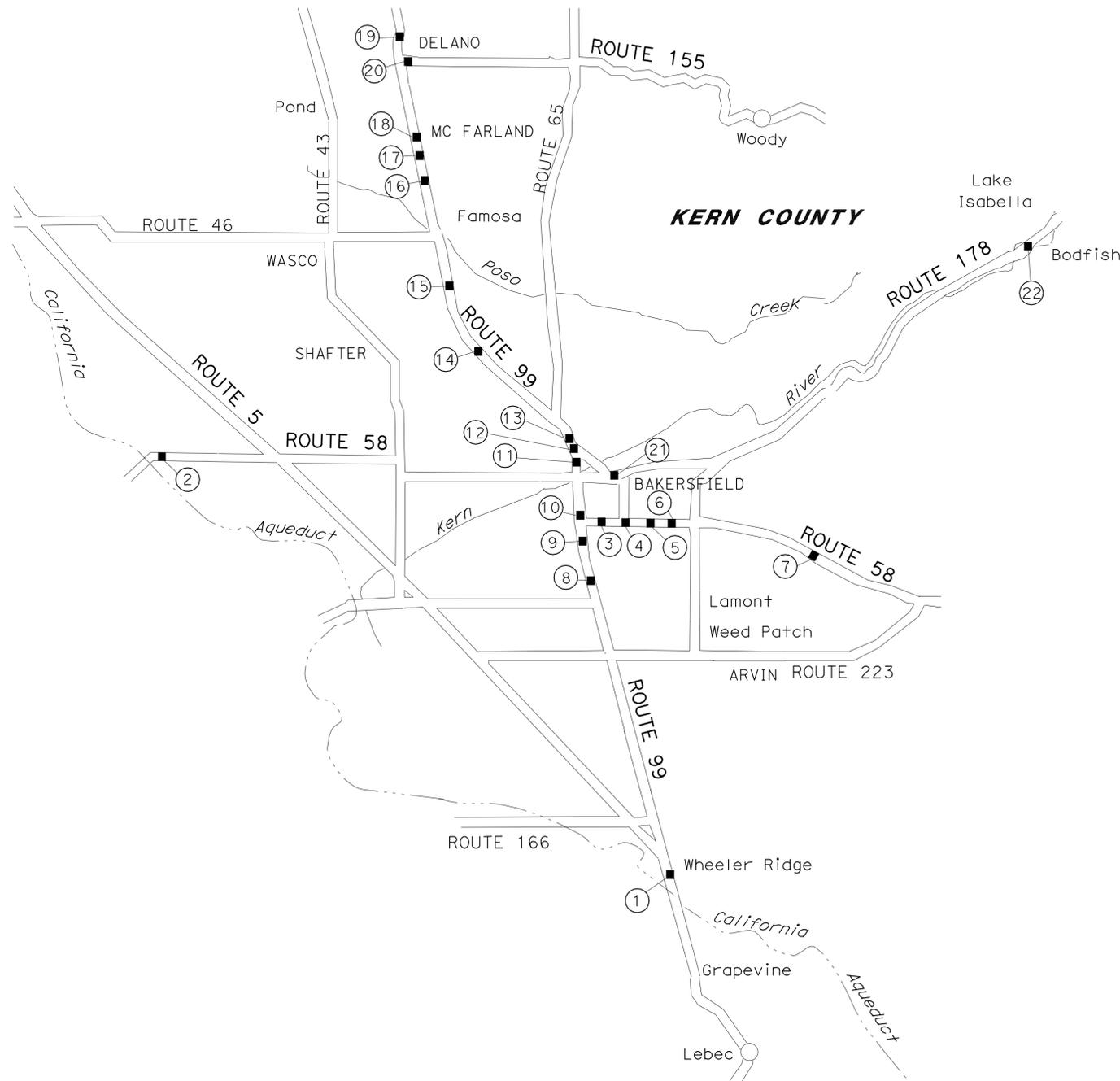
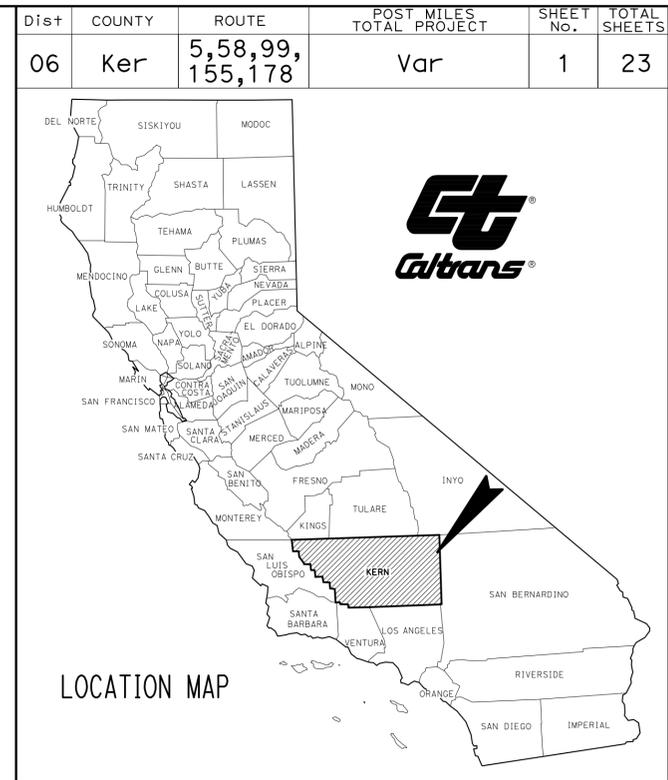
9-23	TREAT BRIDGE DECK, BRIDGE DECK OVERLAY AND REPLACE JOINT SEAL FOR VARIOUS BRIDGES
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN KERN COUNTY
AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

ROUTE	LOCATION	POST MILE	BRIDGE No.	DESCRIPTION
Ker-5	①	R15.51	50-0240L	AT 5/99 SEPARATION
	②	26.38	50-0006	AT EIGHTY FT DITCH
Ker-58	③	R52.89	50-0403	AT HUGHES LANE OC
	④	R53.39	50-0404	AT 'H' STREET OC
	⑤	R53.52	50-0349	AT S CHESTER Ave OC
	⑥	R56.41	50-0392L/R	AT MOUNT VERNON Ave UC
	⑦	67.3	50-0489L/R	AT CALIENTE Cr
Ker-99	⑧	20.65	50-0242R/L	AT S BAKERSFIELD OH
	⑨	22.6	50-0256	AT MING Ave OC
	⑩	24.6	50-0260	AT CALIFORNIA Ave UC
	⑪	26.7	50-0265S	AT CALLOWAY CANAL
	⑫	R28.39	50-0050L/R	AT BEARDSLEY CANAL
	⑬	R28.56	50-0034R/L	AT OIL JUNCTION OH
	⑭	36.52	50-0235	AT LERDO Hwy OC
	⑮	R41.16	50-0350	AT KIMBERLINA Rd OC
	⑯	R47.37	50-0237	AT WHISLER Rd OC
	⑰	49.95	50-0225	AT PERKINS Ave OC
Ker-155	⑱	50.41	50-0233	AT ELMO Hwy OC
	⑲	57.58	50-0215	AT COUNTY LINE Rd OC
Ker-178	⑳	00.41	50-0212	AT ROUTE 155/99 SEPARATION
	㉑	R1.97	50-0332F	AT W 178 - N 204 CONNECTOR OC
	㉒	R39.88	50-0357	AT BOUNDARY FLAT Rd OC

PROJECT MANAGER
BILL MOSES

DESIGN ENGINEER
FRANK GONZALEZ

Jose Victor Echeveste
PROJECT ENGINEER DATE 03-03-11
REGISTERED CIVIL ENGINEER



January 9, 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.

CONTRACT No.	06-0M2704
PROJECT ID	0600020117

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

NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	5,58,99, 155,178'	Var	2	23

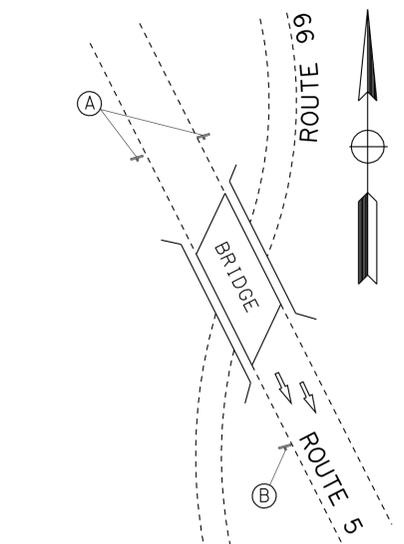
10-04-11
REGISTERED CIVIL ENGINEER DATE

1-9-12
PLANS APPROVAL DATE

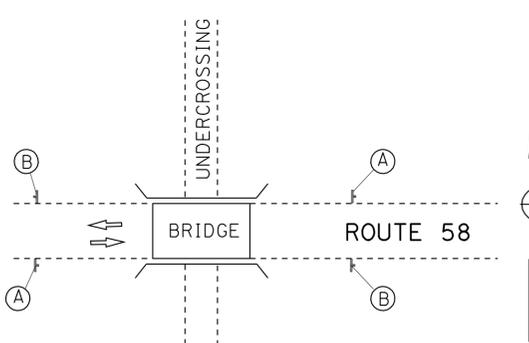
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
JOSE VICTOR ECHEVESTE
No. 50825
Exp. 09-30-13
CIVIL
STATE OF CALIFORNIA

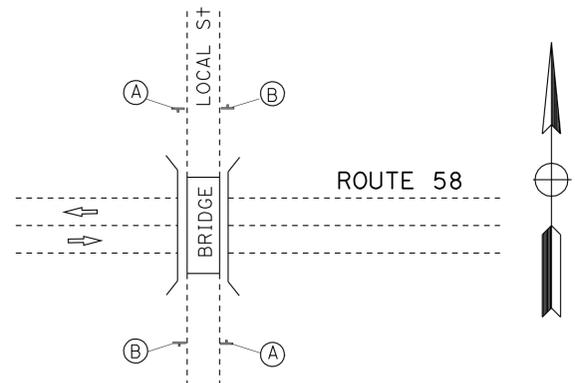
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: FRANK GONZALEZ
 CALCULATED/DESIGNED BY: JOSE VICTOR ECHEVESTE
 CHECKED BY:
 REVISOR: SADHU SANGHA
 DATE: 10-04-11
 REVISION: 1-9-12



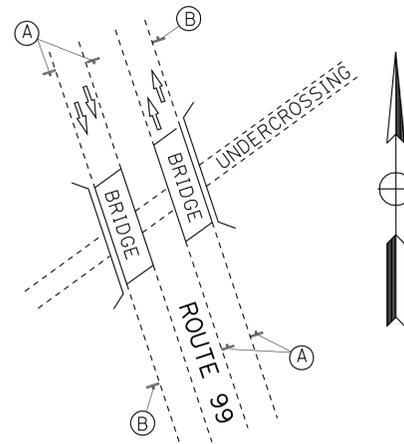
LOCATION 1



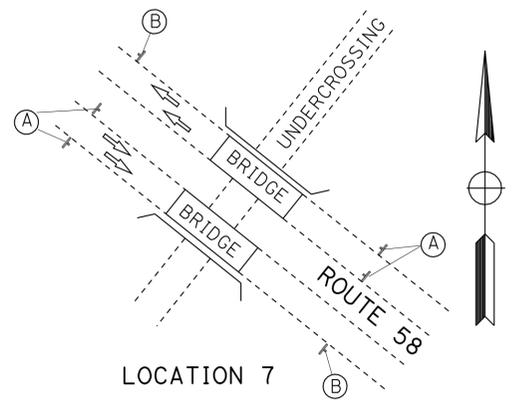
LOCATIONS 2,



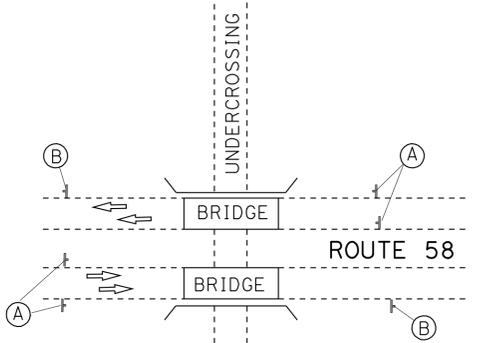
LOCATIONS 3,



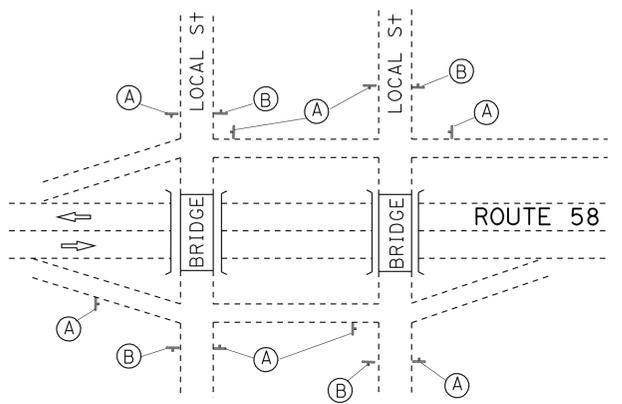
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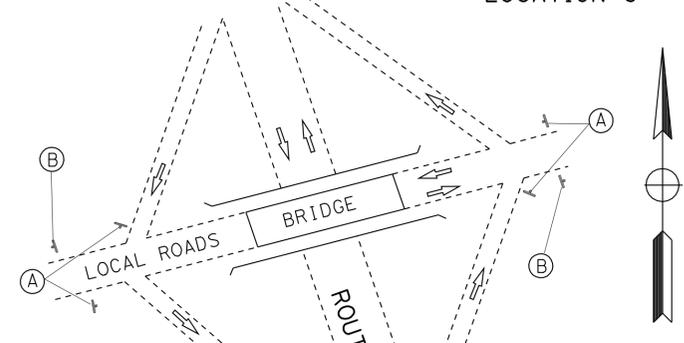
LOCATION 7



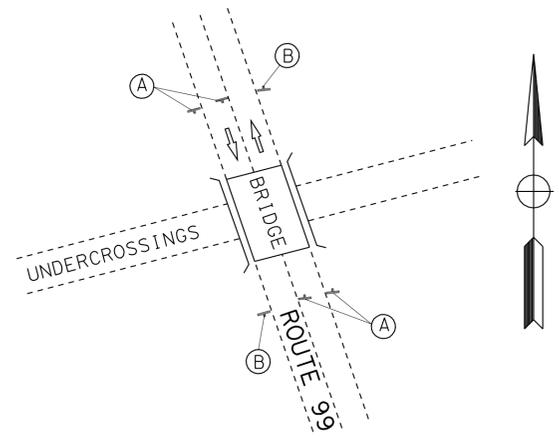
LOCATION 6



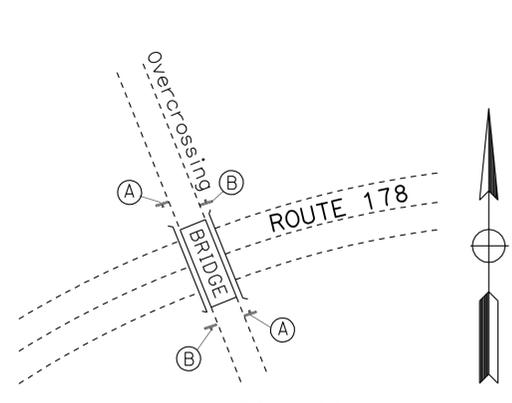
LOCATIONS 4, 5



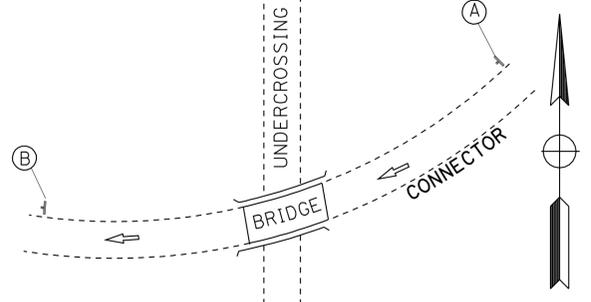
LOCATIONS 9, 14, 15, 16, 19



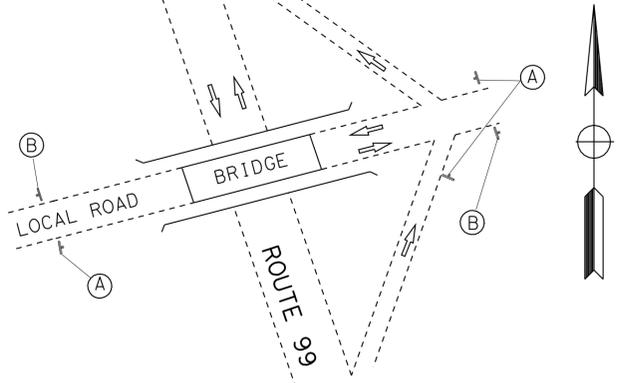
LOCATIONS 10, 11, 12, 13



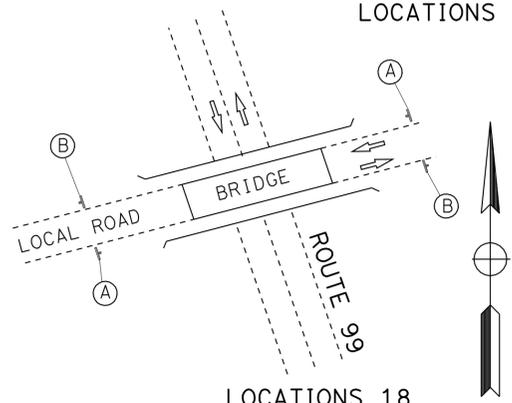
LOCATION 22



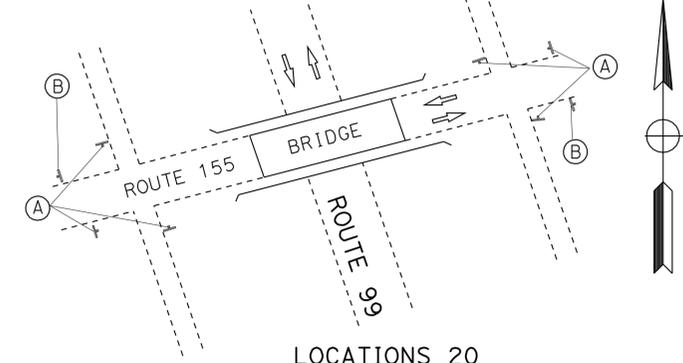
LOCATION 21



LOCATIONS 17



LOCATIONS 18



LOCATIONS 20

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
(A)	W20-1	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	84
(B)	G20-2	48" x 18"	END ROAD WORK	1 - 4" x 4"	46

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

NO SCALE

CONSTRUCTION AREA SIGNS CS-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	4	23

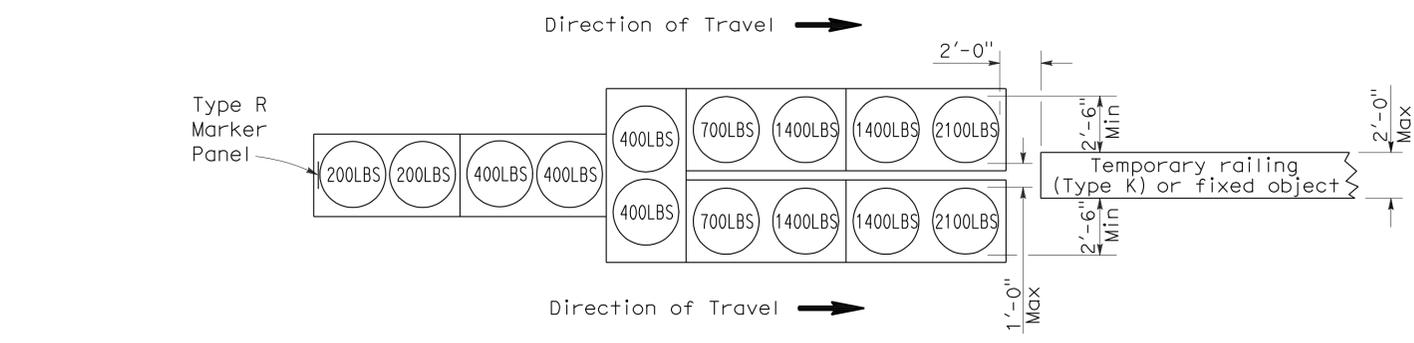
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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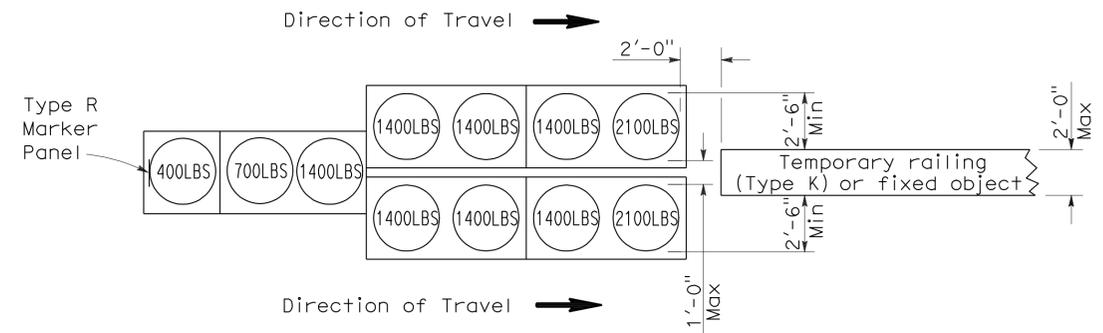
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-9-12



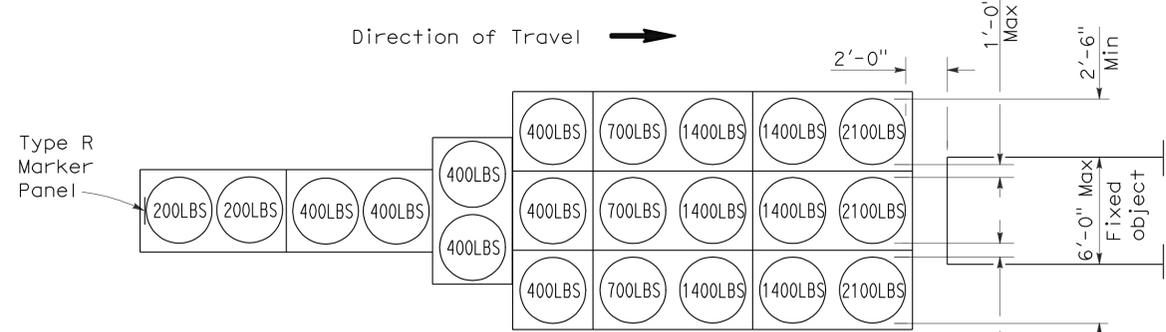
ARRAY 'TU14'

Approach speed 45 mph or more



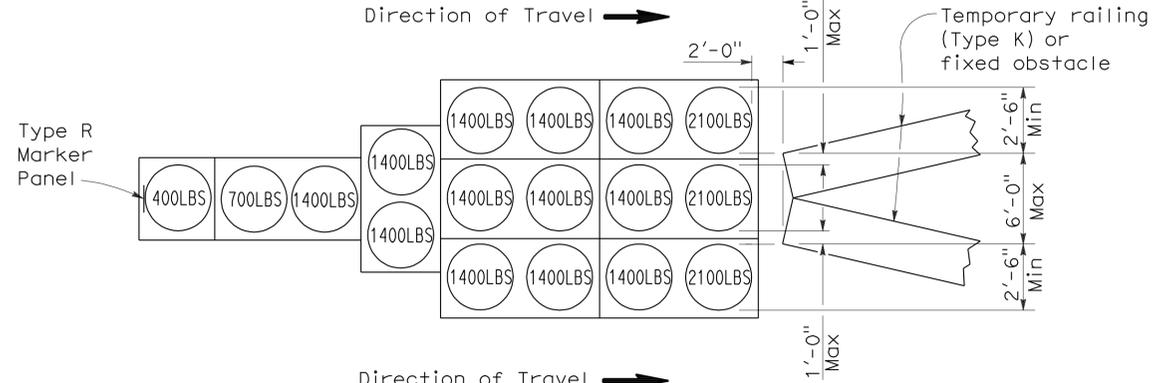
ARRAY 'TU11'

Approach speed less than 45 mph



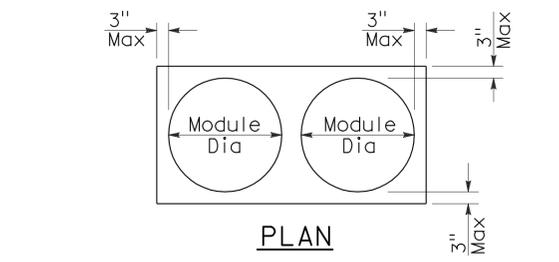
ARRAY 'TU21'

Approach speed 45 mph or more

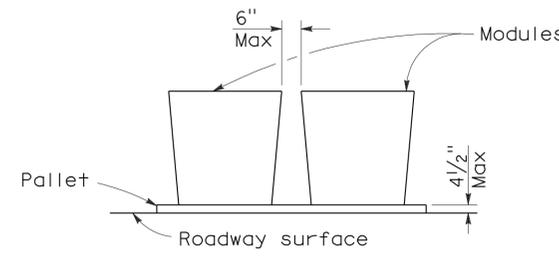


ARRAY 'TU17'

Approach speed less than 45 mph



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
06	Ker	5,58,99,155,178	Var	5	23

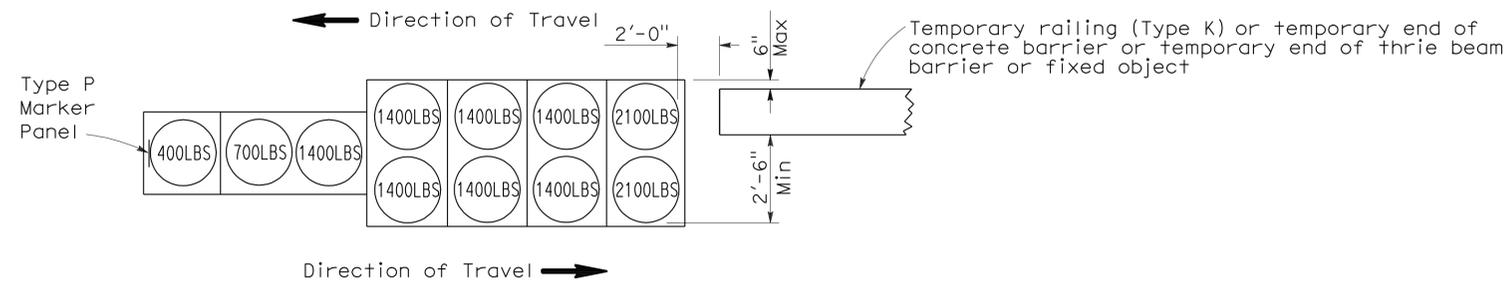
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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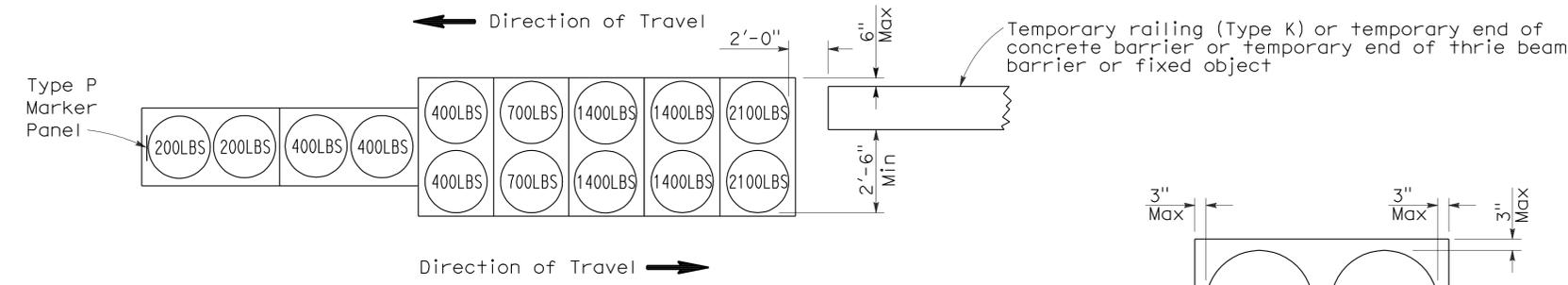
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 1-9-12



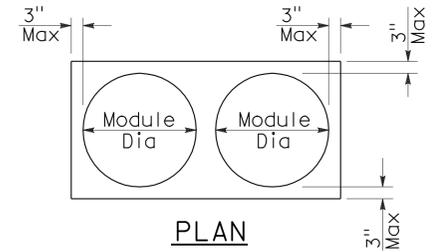
ARRAY 'TB11'

Approach speed less than 45 mph

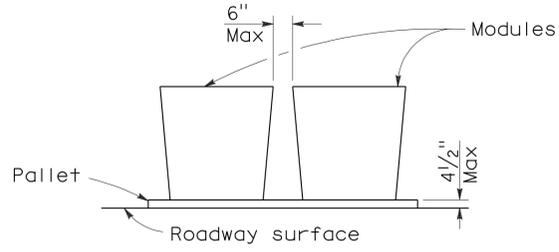


ARRAY 'TB14'

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

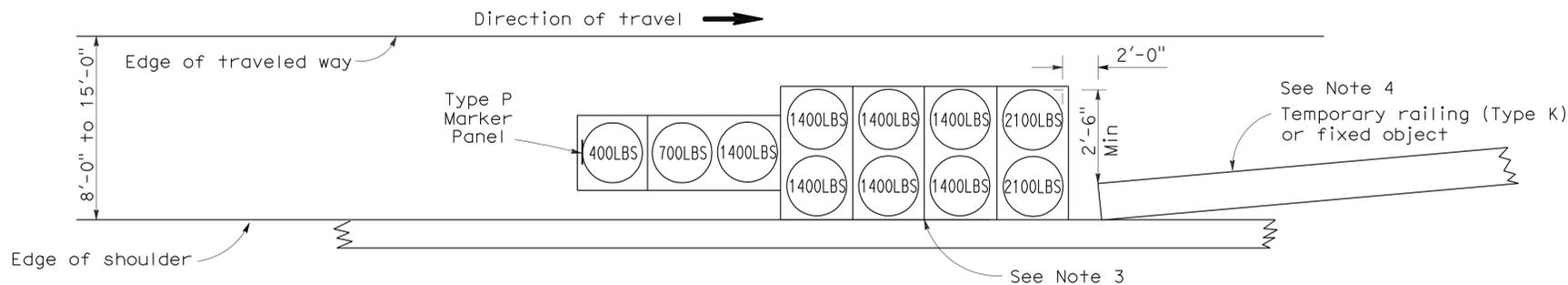
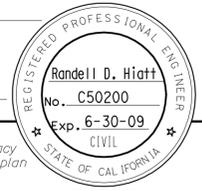
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	6	23

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

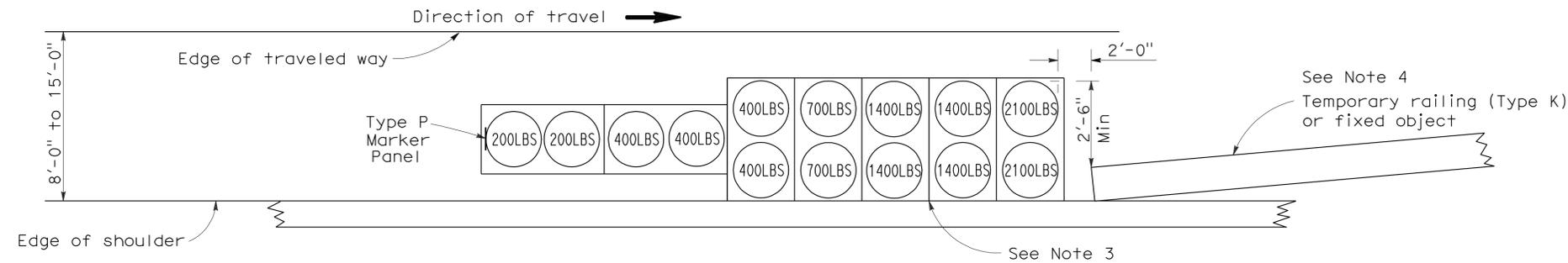
June 6, 2008
PLANS APPROVAL DATE

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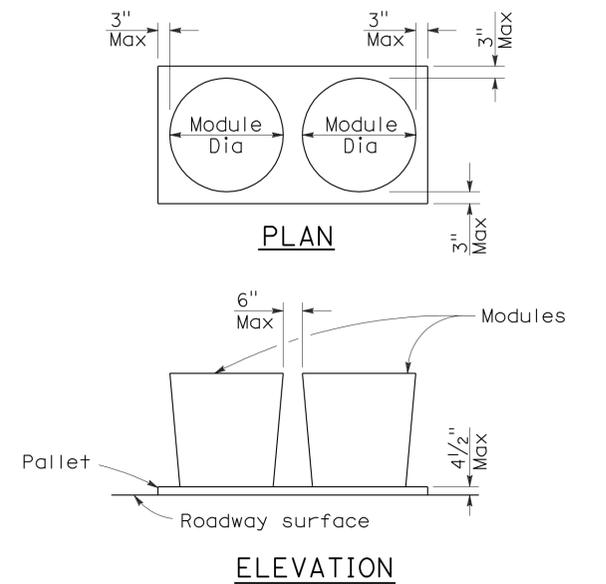
To accompany plans dated 1-9-12



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



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



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

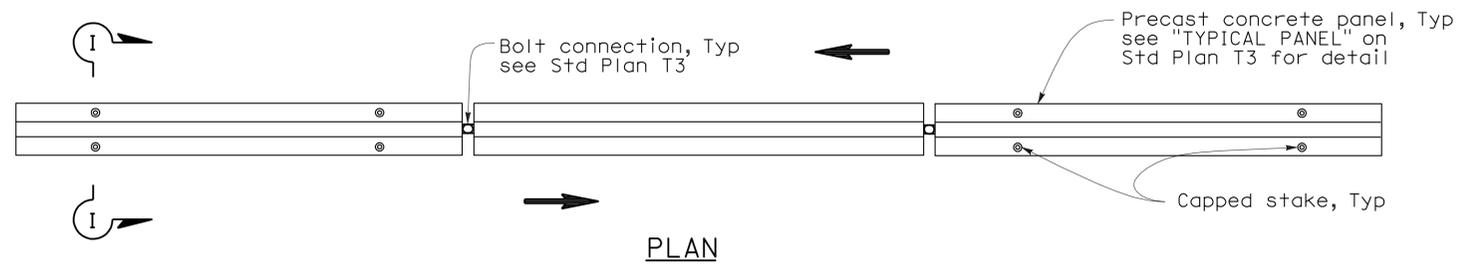
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	7	23

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

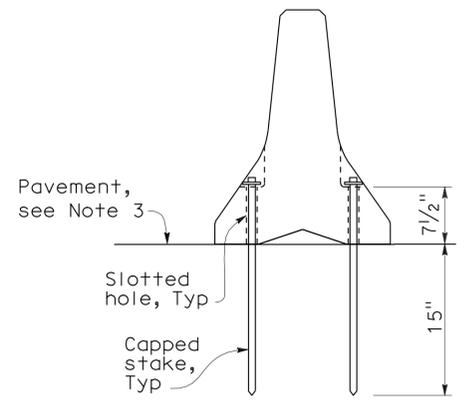
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To accompany plans dated 1-9-12



RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

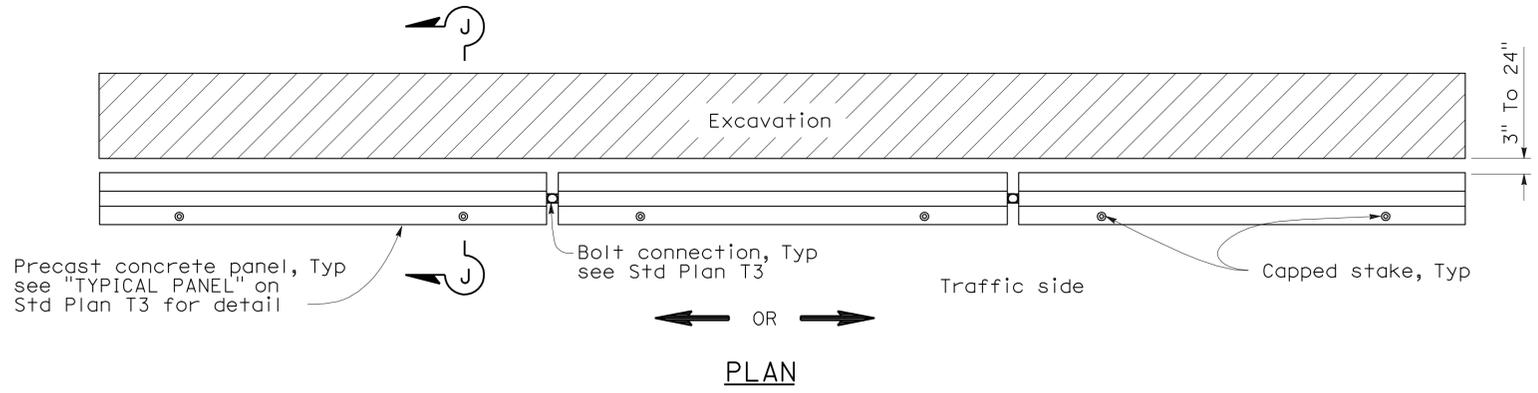
See Note 1



SECTION I-I

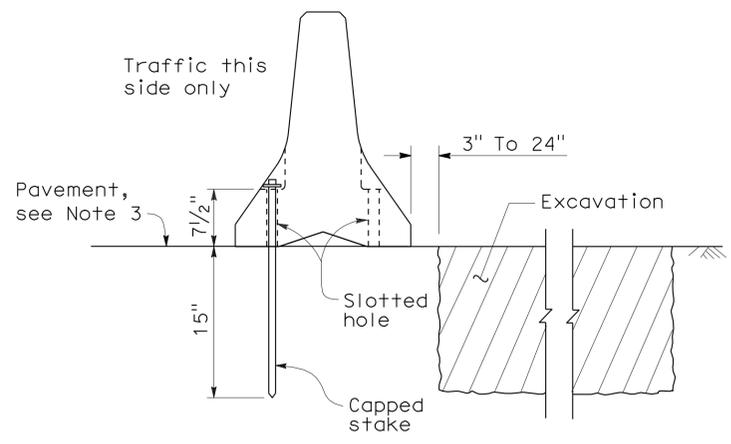
NOTES:

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 \Rightarrow .

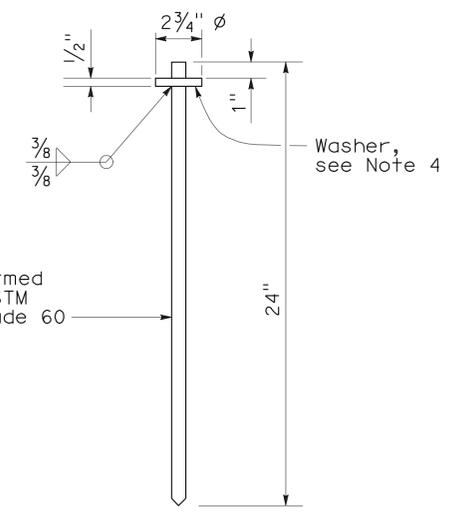


RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



SECTION J-J



CAPPED STAKE DETAIL

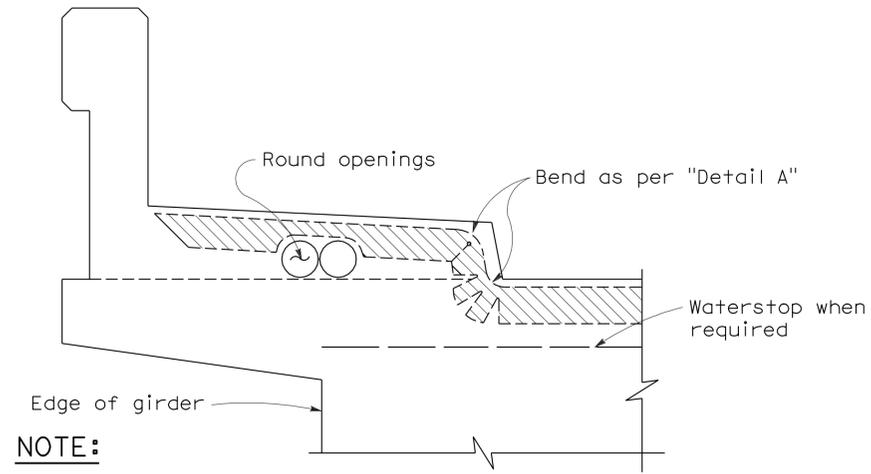
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY RAILING
(TYPE K)**

NO SCALE

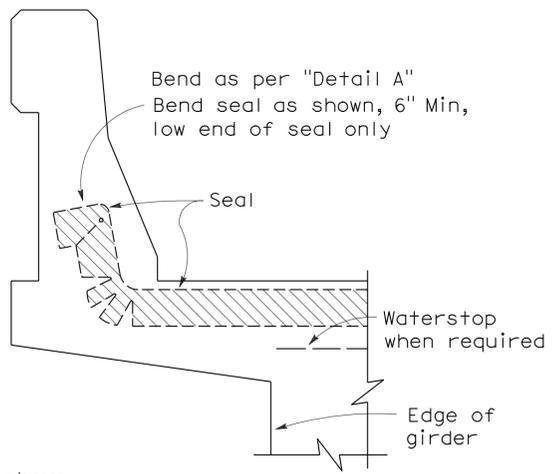
NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

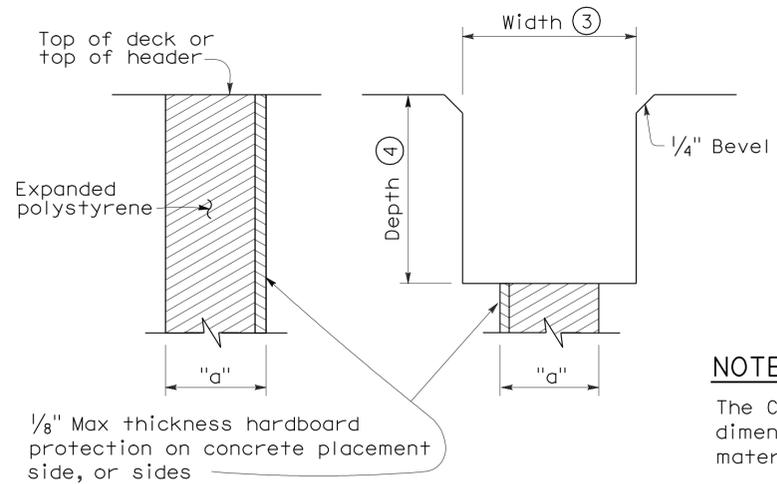


NOTE:
 Type "B" seal shown. Type "A" seals to conform to the general path of seal shown, cuts for bending not required. Bend Type "A" seals 3" up into curb or barrier rail on only the low end of the seal.

CONCRETE BARRIER AND SIDEWALK



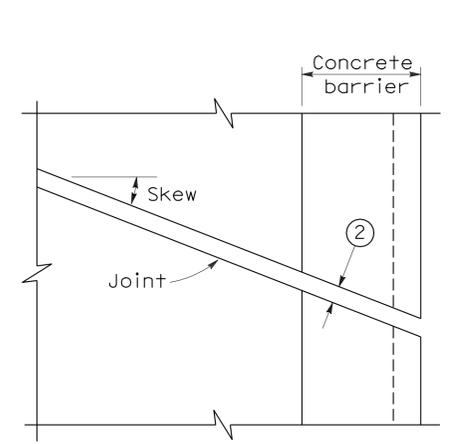
CONCRETE BARRIER



FORMING DETAIL SAWCUT DETAIL

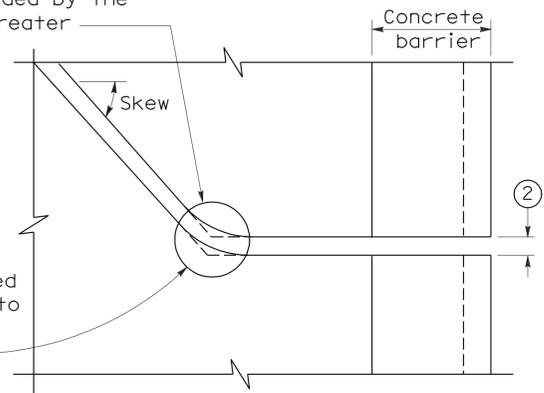
NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

JOINT SEALS DETAILS



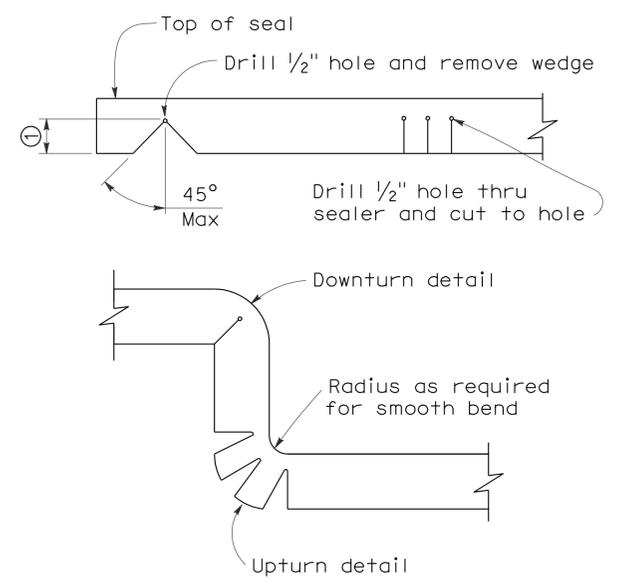
PLAN OF JOINT (SKEW ≤ 20°)

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

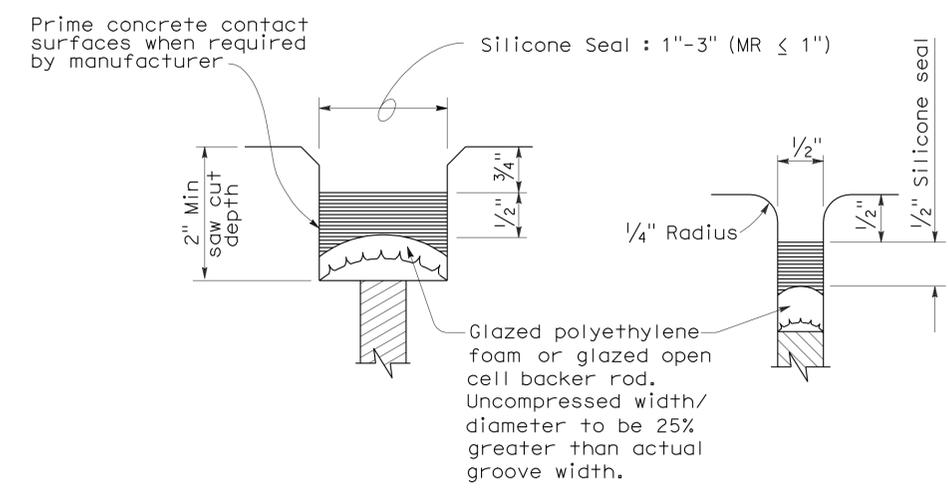
NOTES:

- 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

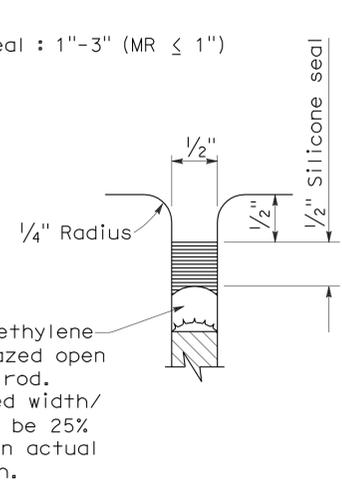
Movement Rating (MR) ⑤	Bridge Type	"a" Dimension		
		Deck Concrete Placed		
		Winter	Fall-Spring	Summer
2"	All except CIP/PS	1 1/2"	1 1/4"	3/4"
	CIP/PS	1 1/4"	1"	1/2"
1 1/2"	All except CIP/PS	1 1/4"	1"	1/2"
	CIP/PS	1"	3/4"	1/2"
1"	All except CIP/PS	1"	3/4"	1/2"
	CIP/PS	3/4"	1/2"	1/2"
1/2"	All except 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



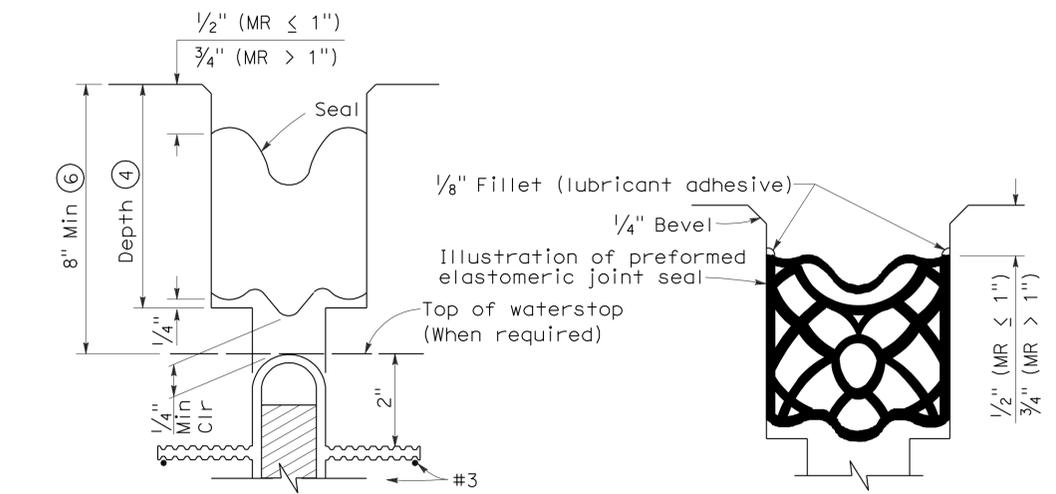
TYPE A SEAL

Movement rating : Silicone = 1" Max



TYPE AL SEAL

Longitudinal joints only



TYPE B JOINT SEAL IN MINIMUM WIDTH POSITION (W₂)

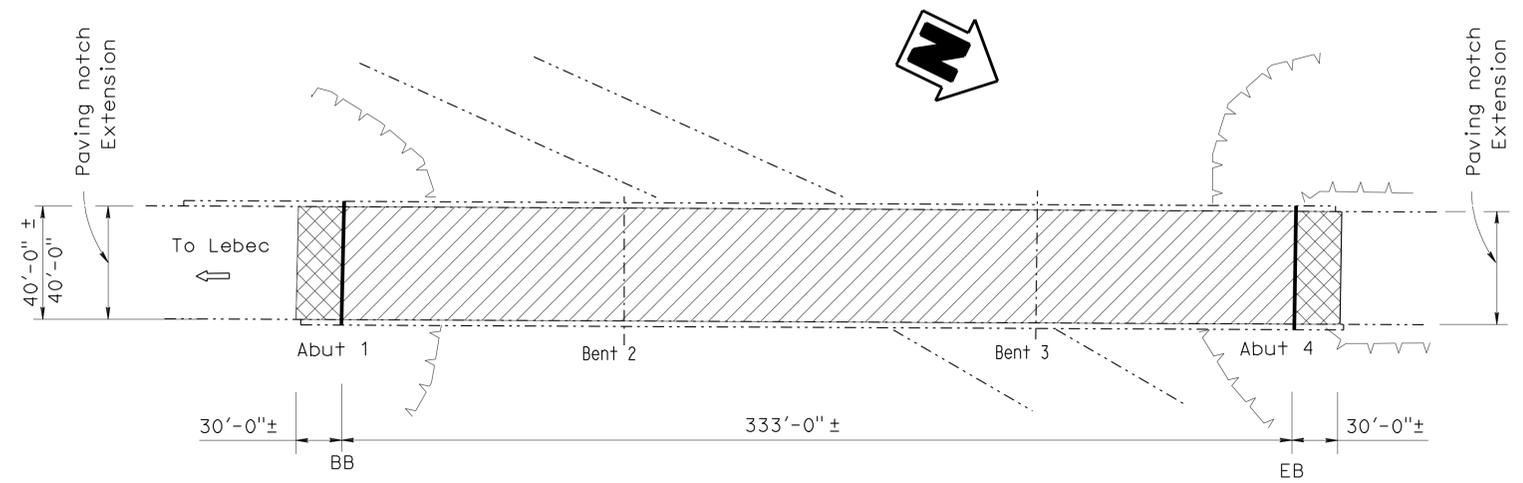
TYPE B SEAL

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.

REVISED STANDARD PLAN RSP B6-21

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	9	23
<i>Ahmad Kushkaki</i> REGISTERED CIVIL ENGINEER			10-11-11	DATE	
1-9-12 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.					



LEGEND:

- INDICATES EXISTING STRUCTURE
- [Hatched Box] INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- [Cross-hatched Box] INDICATES LIMITS OF STRUCTURAL APPROACH SLAB (TYPE R). SEE "STRUCTURE APPROACH TYPE R(30D)" SHEET.
- INDICATES LOCATION OF NEW JOINT SEAL. FOR DETAILS SEE "DECK REPAIR AND OVERLAY DETAILS" SHEET.
- (-) INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

① 5/99 SEPARATION
 BR. No. 50-0240L, Rte 5, PM 15.51
 NO SCALE

5/99 SEPARATION BRIDGE NO. 50-0240L

QUANTITIES

CLEAN BRIDGE DECK	13,200	SQFT
AGGREGATE BASE (APPROACH SLAB)	9	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	90	CY
PAVING NOTCH EXTENSION	40	CF
JOINT SEAL (MR 1 1/2")	80	LF
TREAT BRIDGE DECK	13,200	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	150	GAL

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN 1
2	GENERAL PLAN 2
3	GENERAL PLAN 3
4	GENERAL PLAN 4
5	GENERAL PLAN 5
6	GENERAL PLAN 6
7	GENERAL PLAN 7
8	GENERAL PLAN 8
9	GENERAL PLAN 9
10	GENERAL PLAN 10
11	GENERAL PLAN 11
12	GENERAL PLAN 12
13	GENERAL PLAN 13
14	DECK REPAIR AND OVERLAY DETAILS
15	STRUCTURE APPROACH TYPE R(30D)

STANDARD PLANS DATED MAY 2006

SHEET No.	TITLE
A10A TO A10B	ACRONYMS AND ABBREVIATIONS
RSP B6-21	JOINT SEALS (MAXIMUM MR=2")

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY

Br. Nos. 50-0240L
GENERAL PLAN 1

Kenneth R Brown
 DESIGN ENGINEER 10-18-11

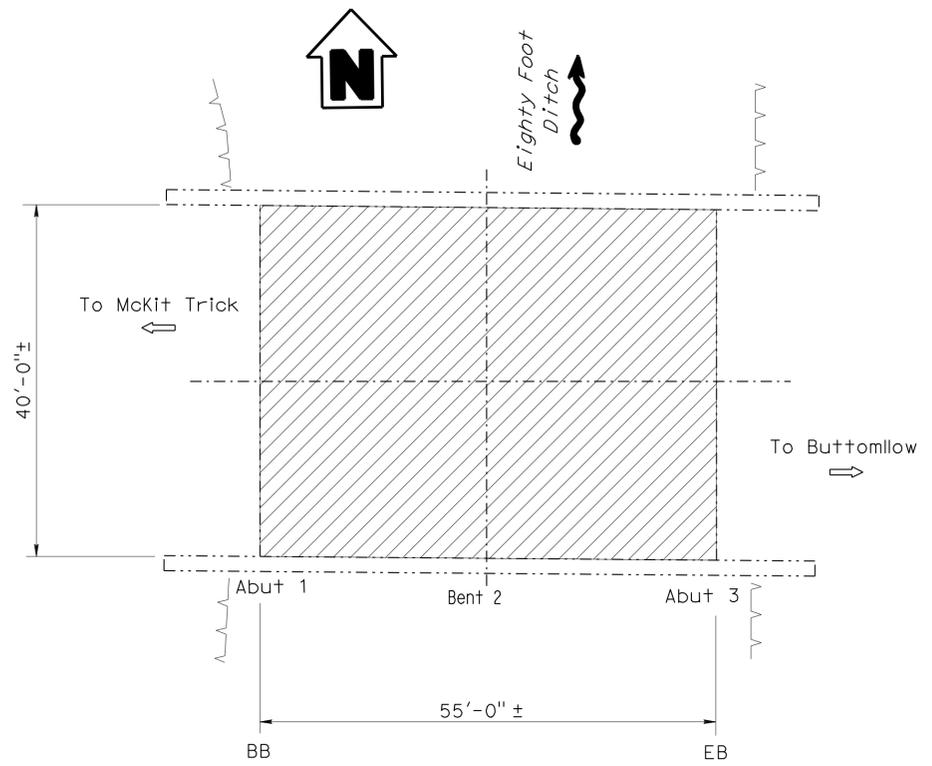
DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. 50-0240L
 POST MILE 15.51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	10	23
<i>Ahmed Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 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.					



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - [Hatched Box] INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - (-) INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

② **EIGHTY FOOT DITCH**
 BR. No. 50-0006, Rte 58, PM 26.38
 NO SCALE

EIGHTY FOOT DITCH BRIDGE NO. 50-0006

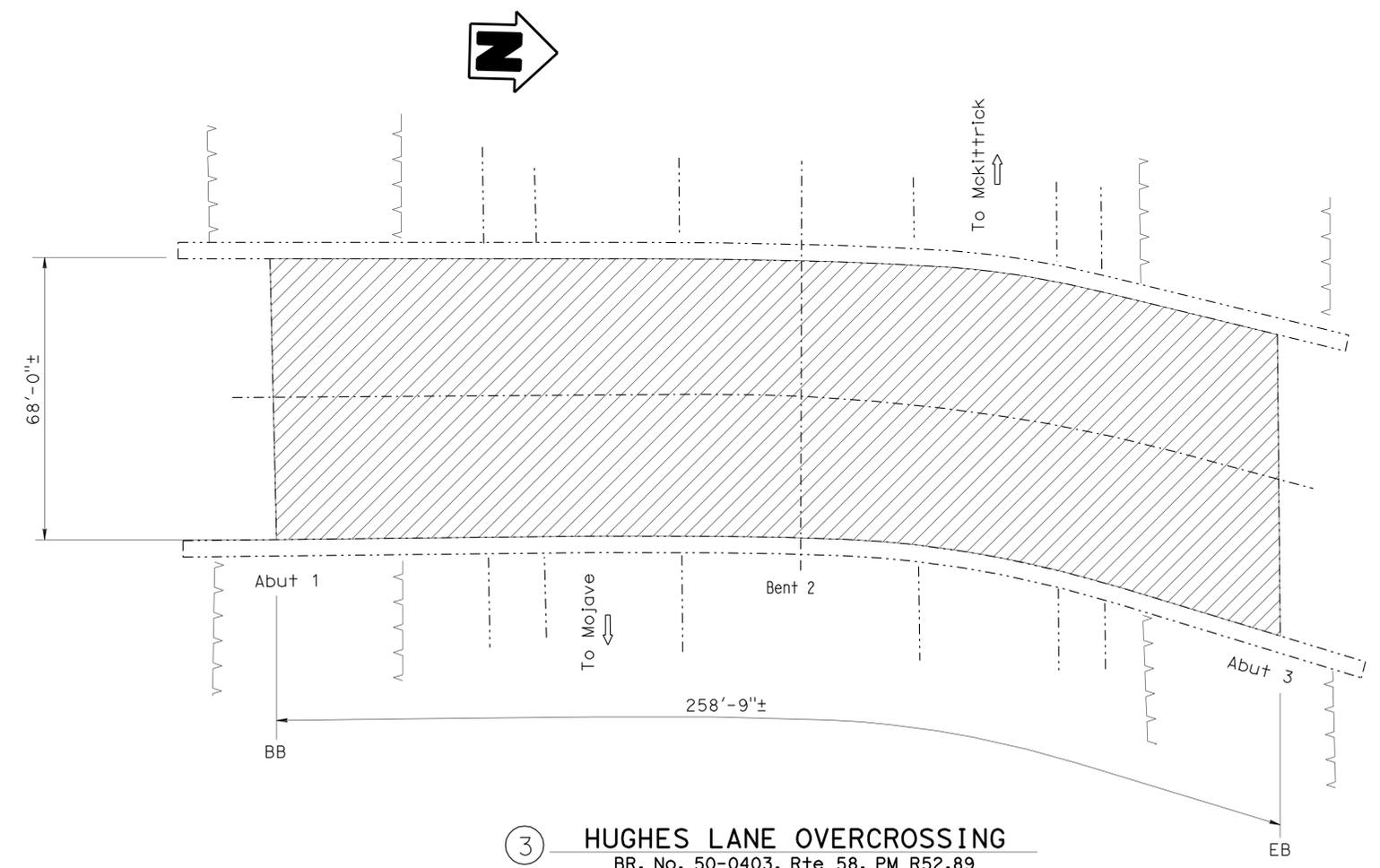
QUANTITIES

CLEAN BRIDGE DECK	2,200	SQFT
TREAT BRIDGE DECK	2,200	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	25	GAL

HUGHES LANE OVERCROSSING BRIDGE NO. 50-0403

QUANTITIES

CLEAN BRIDGE DECK	17,600	SQFT
TREAT BRIDGE DECK	17,600	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	195	GAL
PUBLIC SAFETY PLAN		LUMP SUM



③ **HUGHES LANE OVERCROSSING**
 BR. No. 50-0403, Rte 58, PM R52.89
 NO SCALE

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0006 & 50-0403
GENERAL PLAN 2

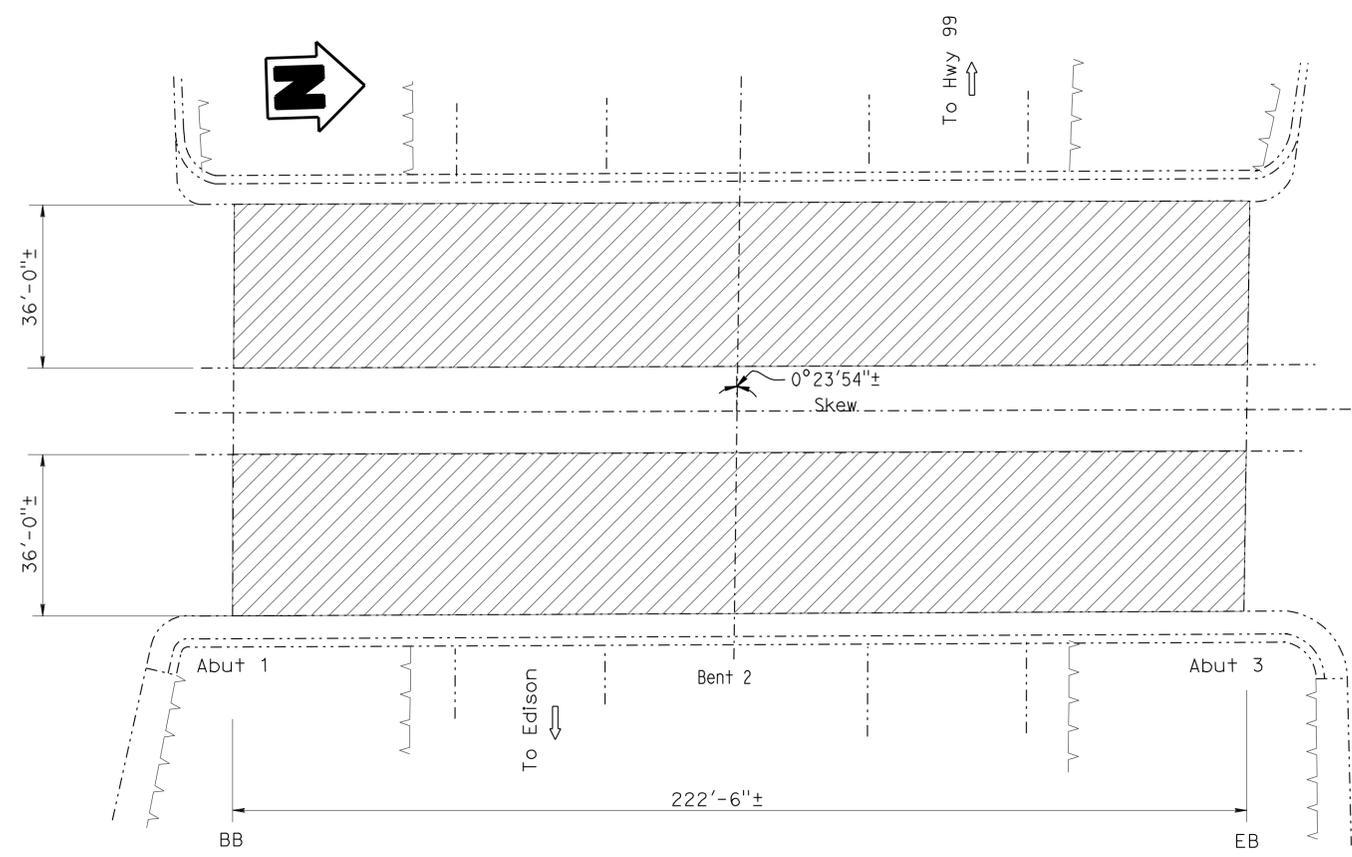
 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. Var
 POST MILE Var

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	11	23
<i>Ahmed G. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 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.					



④ **H STREET OVERCROSSING**
 BR. No. 50-0404, Rte 58, PM R53.39
 NO SCALE

H STREET OVERCROSSING BRIDGE NO. 50-0404

QUANTITIES

CLEAN BRIDGE DECK	16,020	SQFT
TREAT BRIDGE DECK	16,020	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	180	GAL

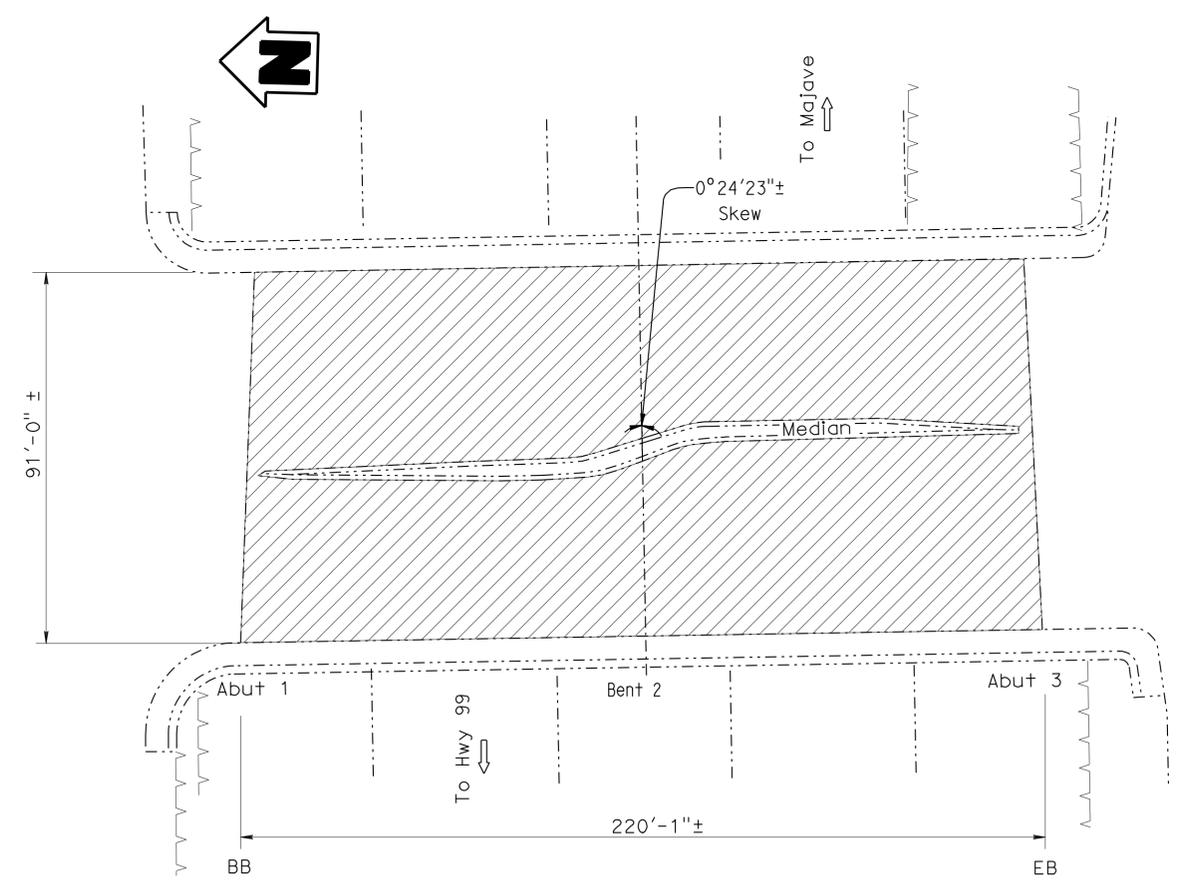
SOUTH CHESTER AVENUE OVERCROSSING BRIDGE NO. 50-0349

QUANTITIES

CLEAN BRIDGE DECK	20,000	SQFT
TREAT BRIDGE DECK	20,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	220	GAL

LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

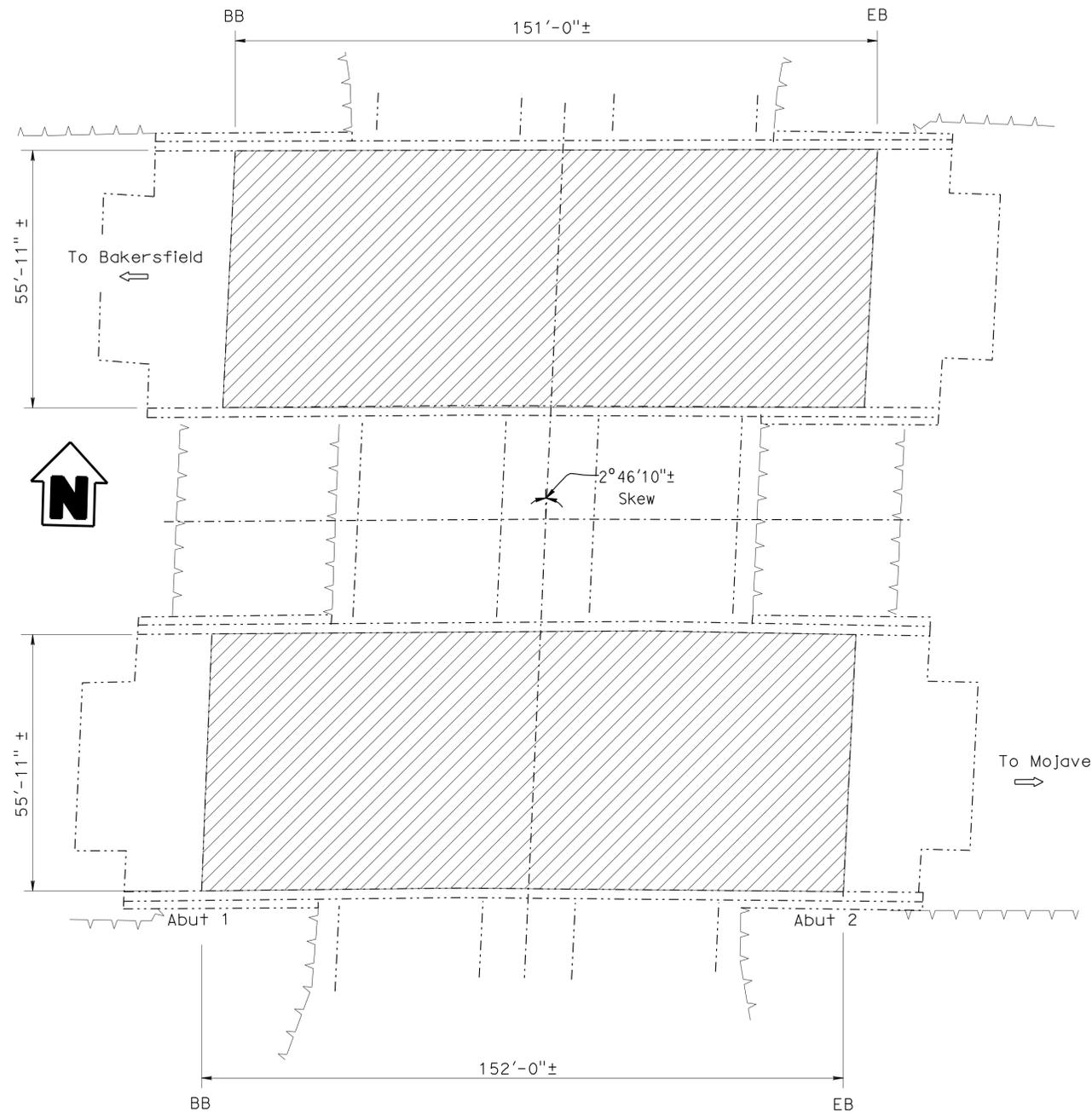


⑤ **SOUTH CHESTER AVENUE OVERCROSSING**
 BR. No. 50-0349, Rte 58, PM R53.52
 NO SCALE

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0404 & 50-0349
GENERAL PLAN 3

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	Var
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu		CHECKED A. Kushkaki	POST MILE	Var
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY		PLANS AND SPECS COMPARED	CONTRACT NO.: 06-0M2701	DISREGARD PRINTS BEARING EARLIER REVISION DATES

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	12	23
<i>Ahsan Ghafoori</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 PLANS APPROVAL DATE					
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LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

MOUNT VERNON AVENUE UNDERCROSSING BRIDGE NO. 50-0392R/L

QUANTITIES

CLEAN BRIDGE DECK	17,000	SQFT
TREAT BRIDGE DECK	17,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	190	GAL

6 MOUNT VERNON AVENUE UNDERCROSSING
 BR. No. 50-0392R/L, Rte 58, PM R56.41
 NO SCALE

Kenneth R. Brown
 DESIGN ENGINEER 10-18-11

DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	50-0392R/L
POST MILE	R56.41

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0392R/L
GENERAL PLAN 4

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 04609
 PROJECT NUMBER & PHASE: 0600020117

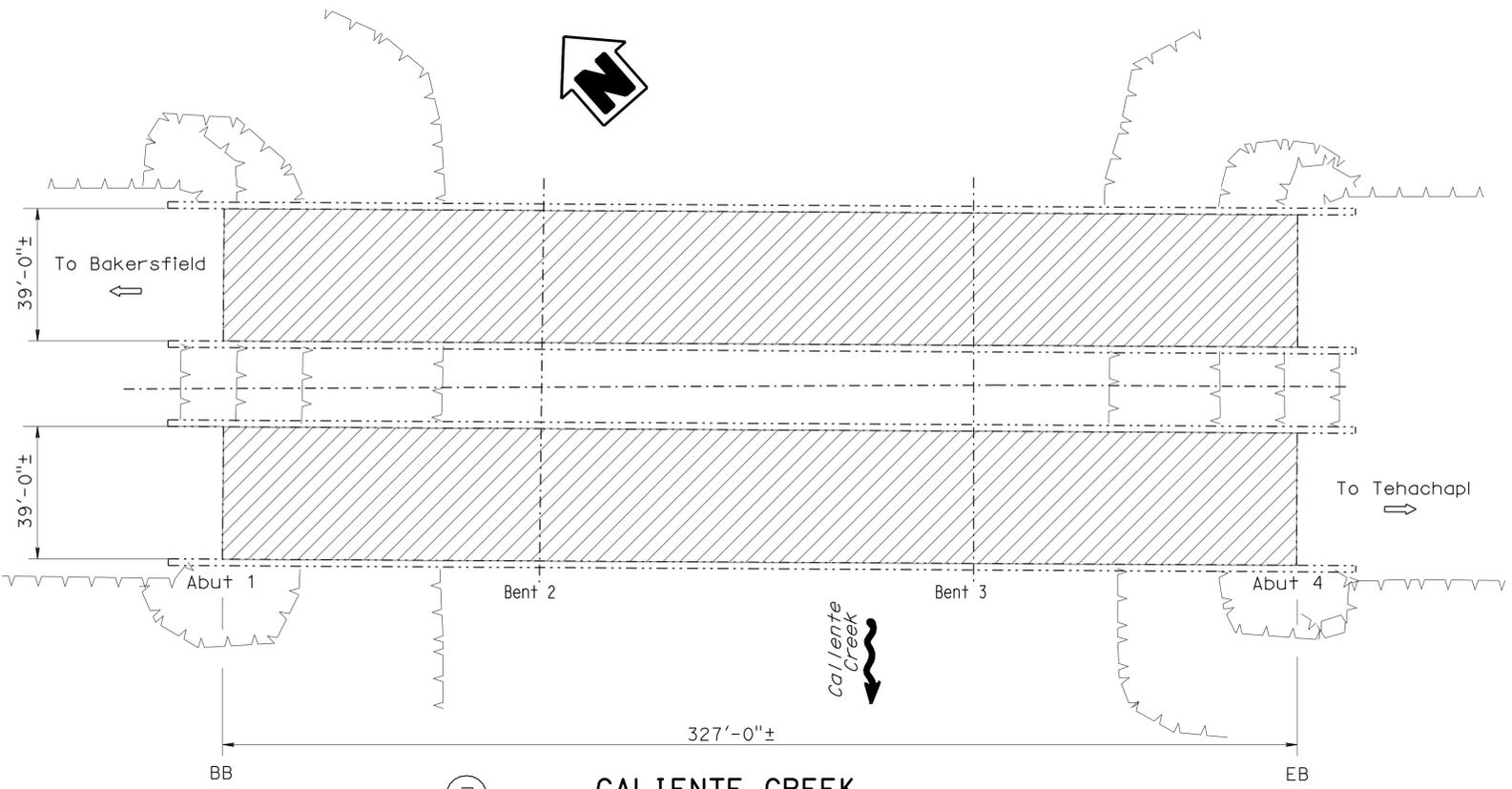
CONTRACT NO.: 06-0M2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES			SHEET	OF
5-10-11	6-14-11	8-3-11	4	15

USERNAME => s124496 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 12:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	13	23
A. Kushkaki			10-18-11	REGISTERED CIVIL ENGINEER DATE	
1-9-12			PLANS APPROVAL DATE		
A. KUSHKAKI			No. 59045		
Exp. 6-30-13			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.					



7 CALIENTE CREEK
BR. No. 50-0489R/L, R+e 58, PM 67.3
NO SCALE

CALIENTE CREEK BRIDGE NO. 50-0489R/L

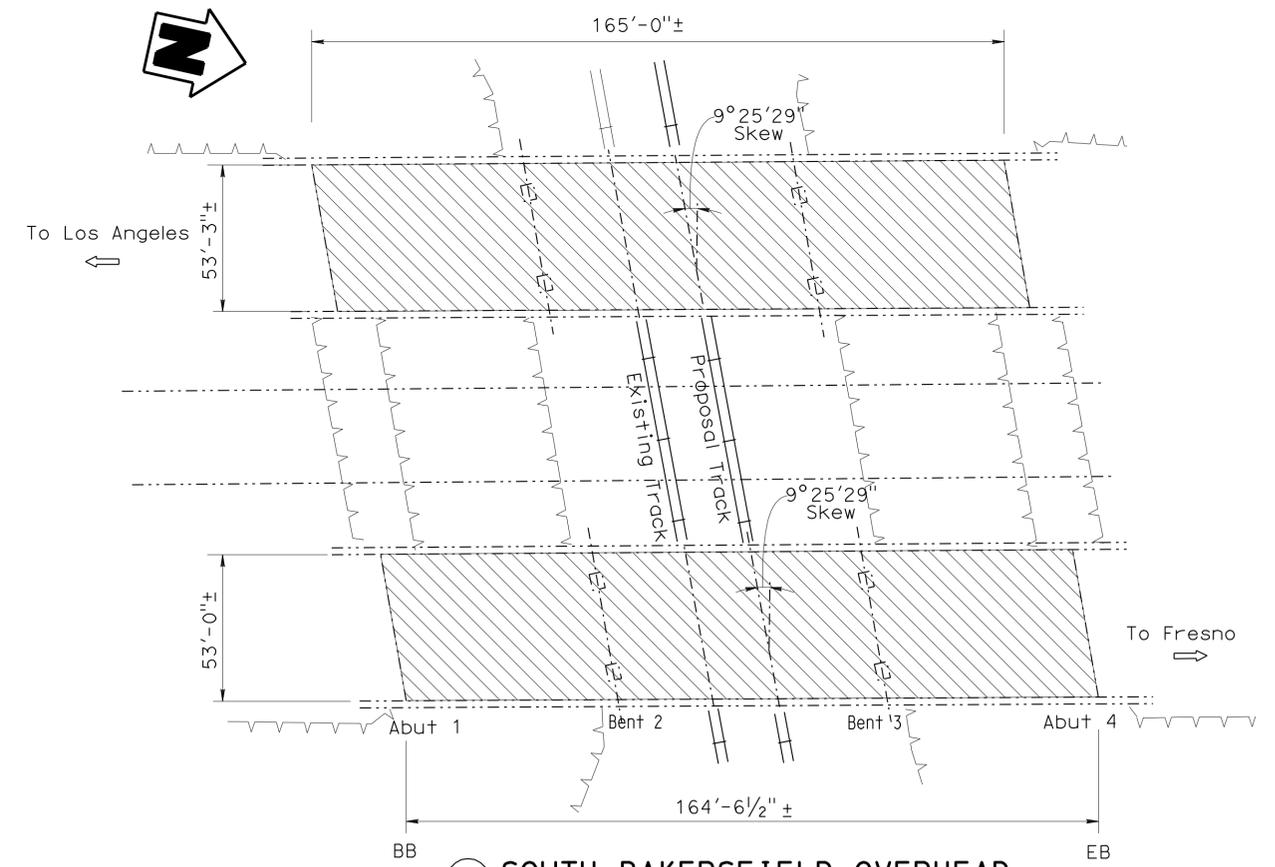
QUANTITIES		
CLEAN BRIDGE DECK	25,510	SQFT
TREAT BRIDGE DECK	25,510	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	285	GAL

SOUTH BAKERSFIELD OVERHEAD BRIDGE NO. 50-0242R/L

QUANTITIES		
REMOVE ASPHALT CONCRETE SURFACING	17,500	SQFT
REMOVE UNSOUND CONCRETE	45	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	17,500	SQFT
RAPID SETTING CONCRETE (PATCH)	45	CF
FURNISH POLYESTER CONCRETE OVERLAY	5,250	CF
PLACE POLYESTER CONCRETE OVERLAY	17,500	SQFT

LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES LIMITS REMOVE 3"± AC DECK SURFACE, PREPARE CONCRETE BRIDGE DECK SURFACE, FURNISH AND PLACE NEW 3" 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 AND OVERLAY DETAILS" SHEET.
- INDICATES BRIDGE LOCATION, SEE ROAD PLANS.



8 SOUTH BAKERSFIELD OVERHEAD
BR. No. 50-0242R/L, R+e 99, PM 20.65
NO SCALE

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
Br. Nos. 50-0489R/L & 50-0242R/L
GENERAL PLAN 5

Kenneth R. Brown
DESIGN ENGINEER 10-18-11

DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

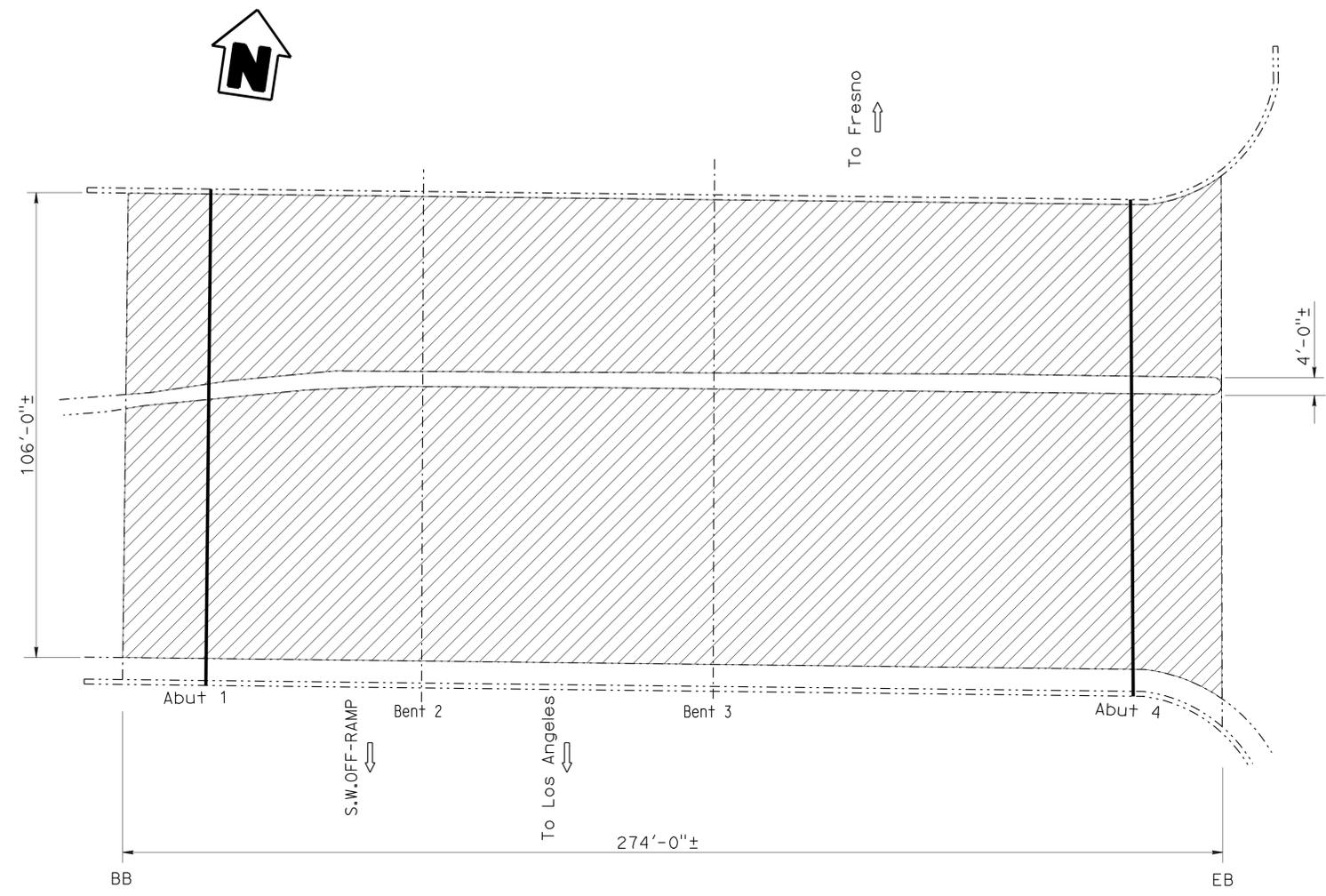
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO. Var
POST MILE Var

USERNAME => s121614 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 13:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	14	23
<i>Ahmad Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12			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 A. KUSHKAKI No. 59045 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA		



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "DECK REPAIR AND OVERLAY DETAILS" SHEET.
 - INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

⑨ **MING AVE OVERCROSSING**
 BR. No. 50-0256, Rte 99, PM 22.6
 NO SCALE

MING AVE OVERCROSSING BRIDGE NO. 50-0256

QUANTITIES

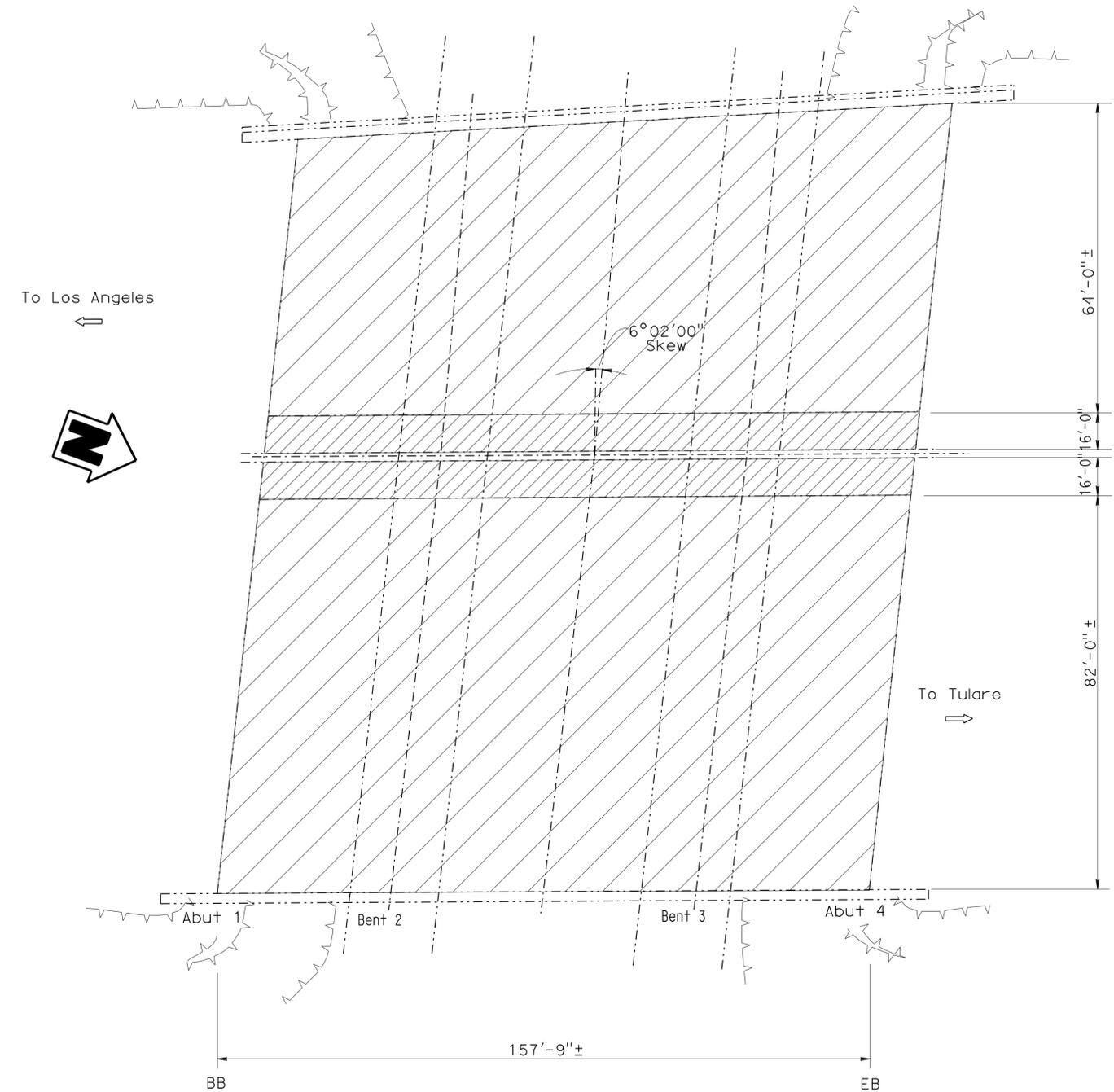
CLEAN BRIDGE DECK	27,900	SQFT
CLEAN EXPANSION JOINT	208	LF
JOINT SEAL (MR 1")	104	LF
JOINT SEAL (MR 1 1/2")	104	LF
TREAT BRIDGE DECK	27,900	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	310	GAL

REPLACE JOINT SEAL	
TREAT BRIDGE DECK & BRIDGE DECK OVERLAY	
Br. No. 50-0256	
GENERAL PLAN 6	

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	50-0256	
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu			CHECKED A. Kushkaki	POST MILE	22.6
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY			PLANS AND SPECS COMPARED	PLANS AND SPECS COMPARED	

USERNAME => s124496 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 12:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	15	23
<i>Ahmad Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 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.					



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE. PRIOR TO DECK TREATMENT, REMOVE CHIP SEAL TREATMENT.
 - INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

10 CALIFORNIA AVE UNDERCROSSING
 BR. No. 50-0260, Rte 99, PM 24.6
 NO SCALE

CALIFORNIA AVE UNDERCROSSING BRIDGE NO. 50-0260

QUANTITIES

CLEAN BRIDGE DECK	28,100	SQFT
REMOVE CHIP SEAL	23,100	SQFT
TREAT BRIDGE DECK	28,100	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	315	GAL

Kenneth R. Brown
 DESIGN ENGINEER 10-18-11

DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	50-0260
POST MILE	24.6

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. No. 50-0260
GENERAL PLAN 7

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT: 04609
 PROJECT NUMBER & PHASE: 0600020117

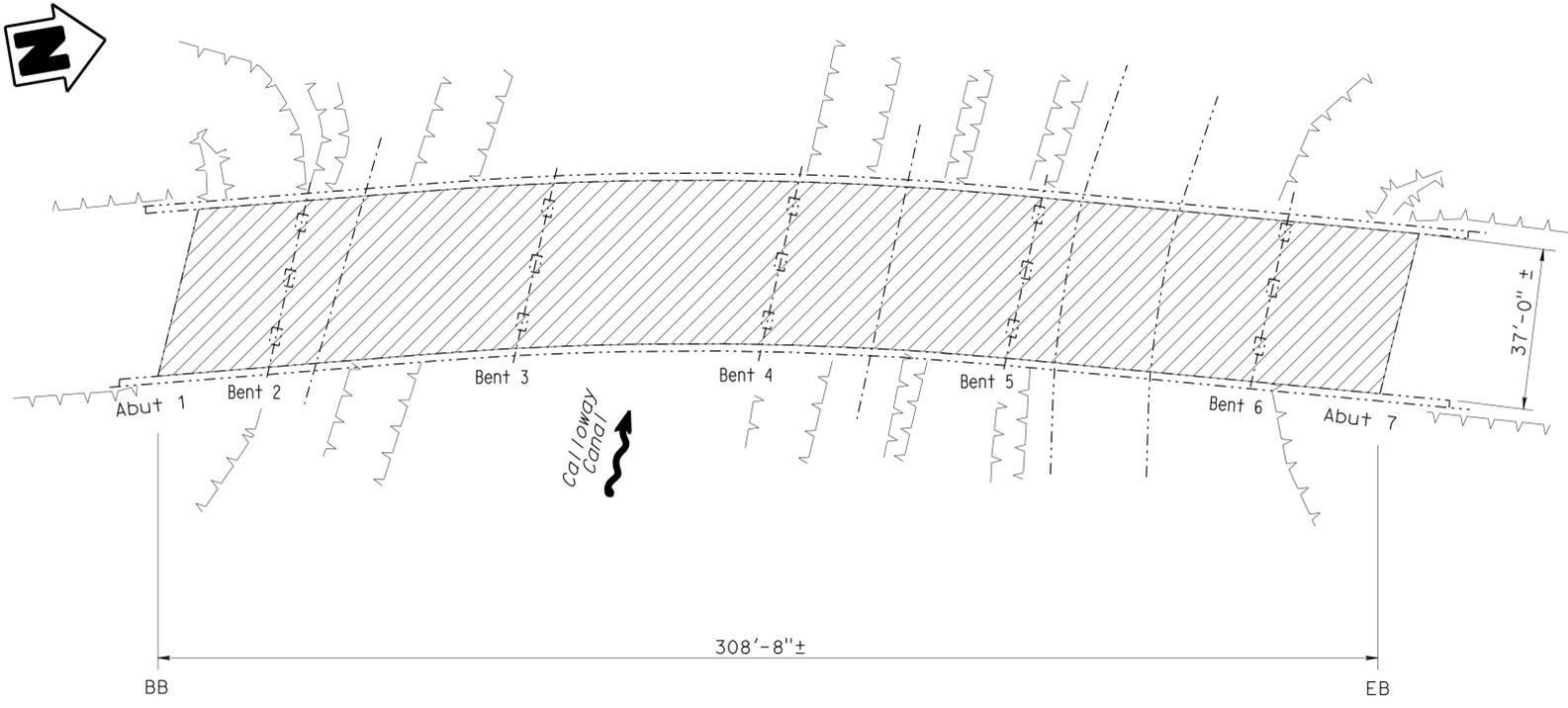
CONTRACT NO.: 06-0M2701

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
5-10-11 6-14-11 8-3-11 8-22-11	7	15

USERNAME => s124496 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 12:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	16	23
<i>Ahmad Kushkaki</i> REGISTERED CIVIL ENGINEER			DATE	10-18-11	
PLANS APPROVAL DATE 1-9-12					
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.					

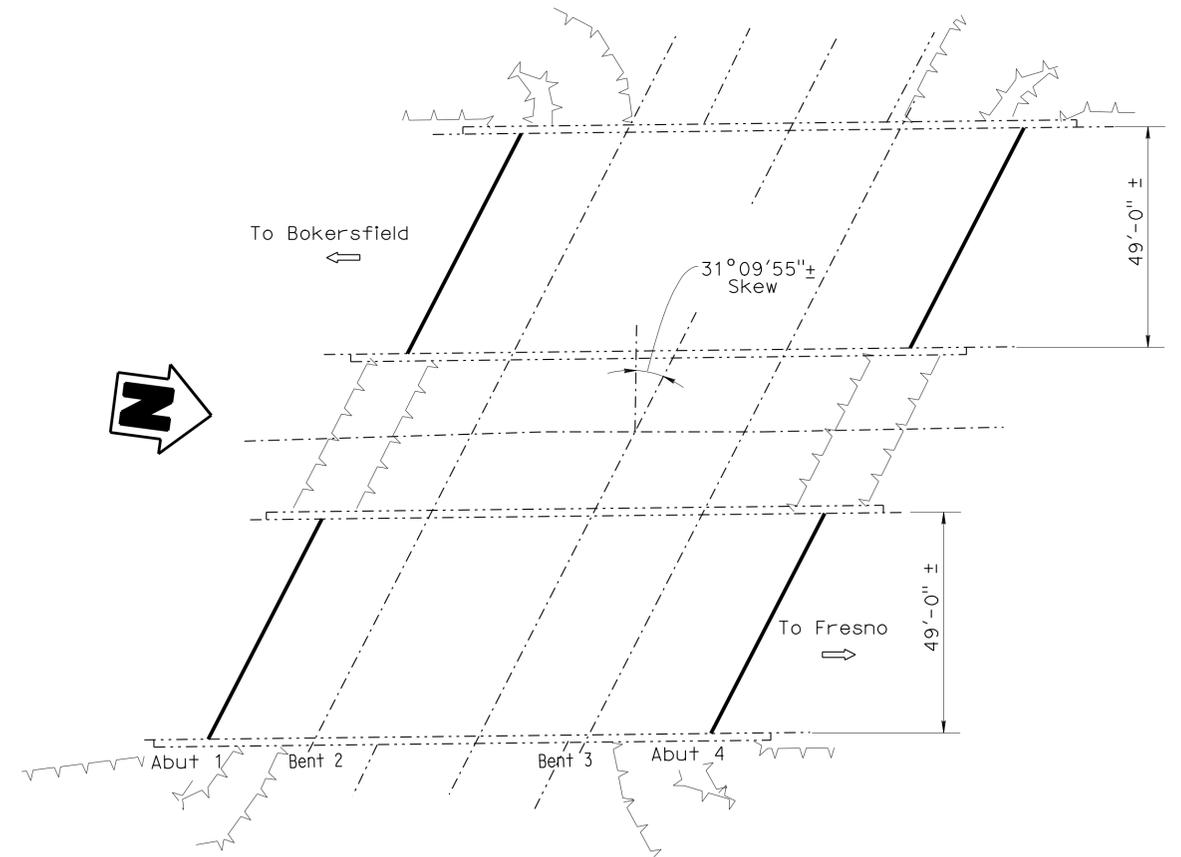


11 **CALLOWAY CANAL**
BR. No. 50-0265S, Rte 99, PM 26.7
NO SCALE

CALLOWAY CANAL	BRIDGE NO. 50-0265S
QUANTITIES	
CLEAN BRIDGE DECK	11,430 SQFT
TREAT BRIDGE DECK	11,430 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	130 GAL
PUBLIC SAFETY PLAN	LUMP SUM

BEARDSLEY CANAL	BRIDGE NO. 50-0050R/L
QUANTITIES	
CLEAN EXPANSION JOINT	230 LF
JOINT SEAL (MR 1")	230 LF

- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - [Hatched Box] INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "DECK REPAIR AND OVERLAY DETAILS" SHEET.
 - (-) INDICATES BRIDGE LOCATION, SEE ROAD PLANS.



12 **BEARDSLEY CANAL**
BR. No. 50-0050R/L, Rte 99, PM 28.39
NO SCALE

**REPLACE JOINT SEAL
TREAT BRIDGE DECK & BRIDGE DECK OVERLAY**

Br. Nos. 50-0265S & 50-0050L/R

GENERAL PLAN 8

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

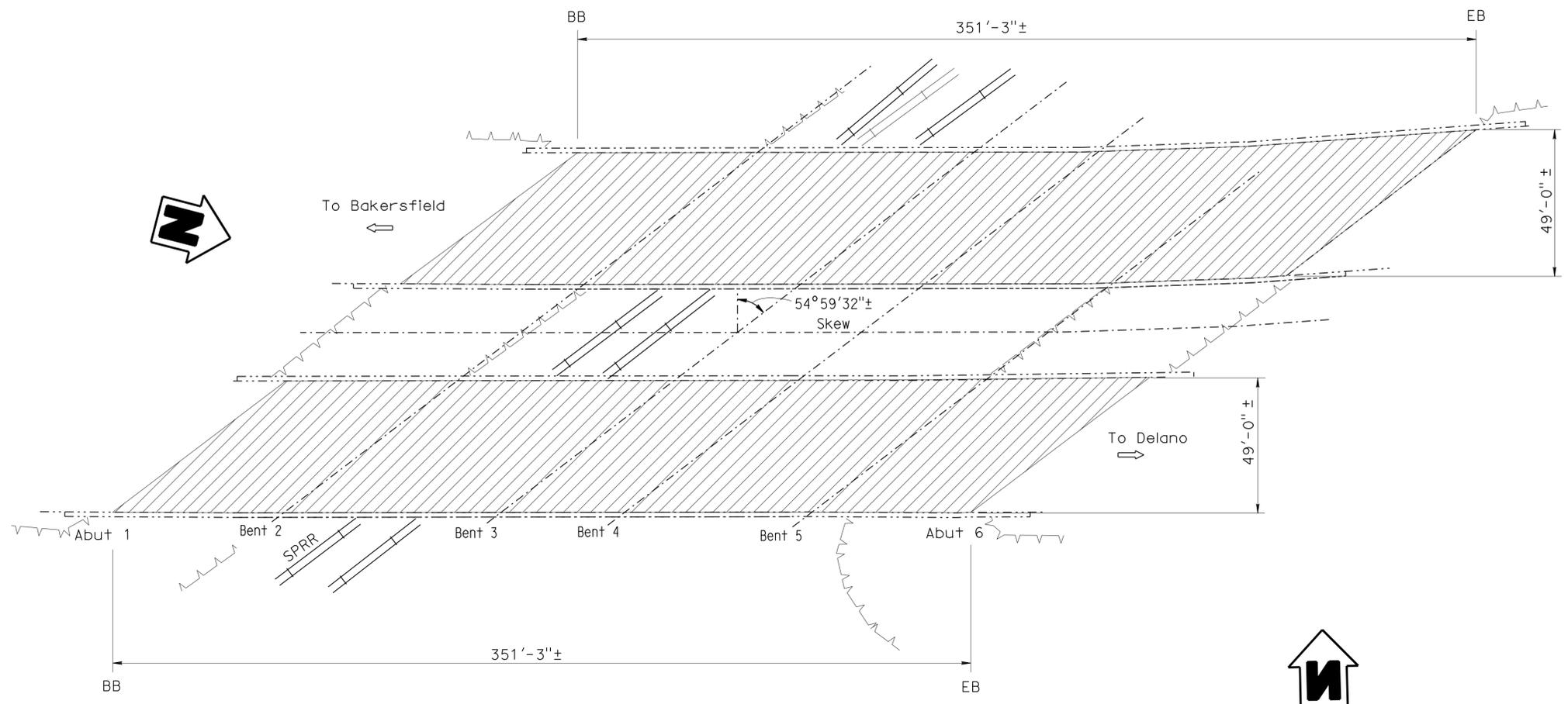
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

BRIDGE NO.	Var*
POST MILE	Var*

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	17	23

10-18-11
 REGISTERED CIVIL ENGINEER DATE
 1-9-12
 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
 A. KUSHKAKI
 No. 59045
 Exp. 6-30-13
 CIVIL
 STATE OF CALIFORNIA

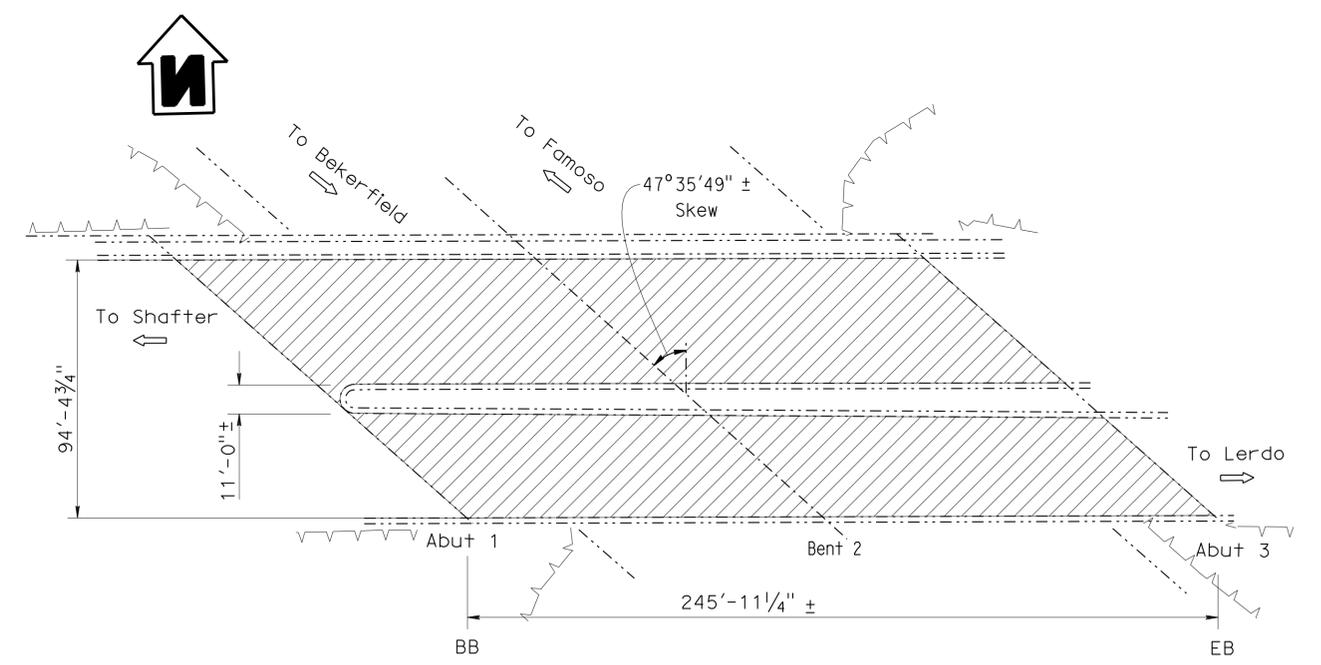


- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - ▨ INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

13 OIL JUNCTION OVERHEAD
 BR. No. 50-0034R/L, Rte 99, PM 28.56
 NO SCALE

OIL JUNCTION OVERHEAD		BRIDGE NO. 50-0034R/L	
QUANTITIES			
CLEAN BRIDGE DECK	34,400	SQFT	
TREAT BRIDGE DECK	34,400	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	385	GAL	

LERDO HWY OVERCROSSING		BRIDGE NO. 50-0235	
QUANTITIES			
CLEAN BRIDGE DECK	20,500	SQFT	
TREAT BRIDGE DECK	20,500	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	230	GAL	



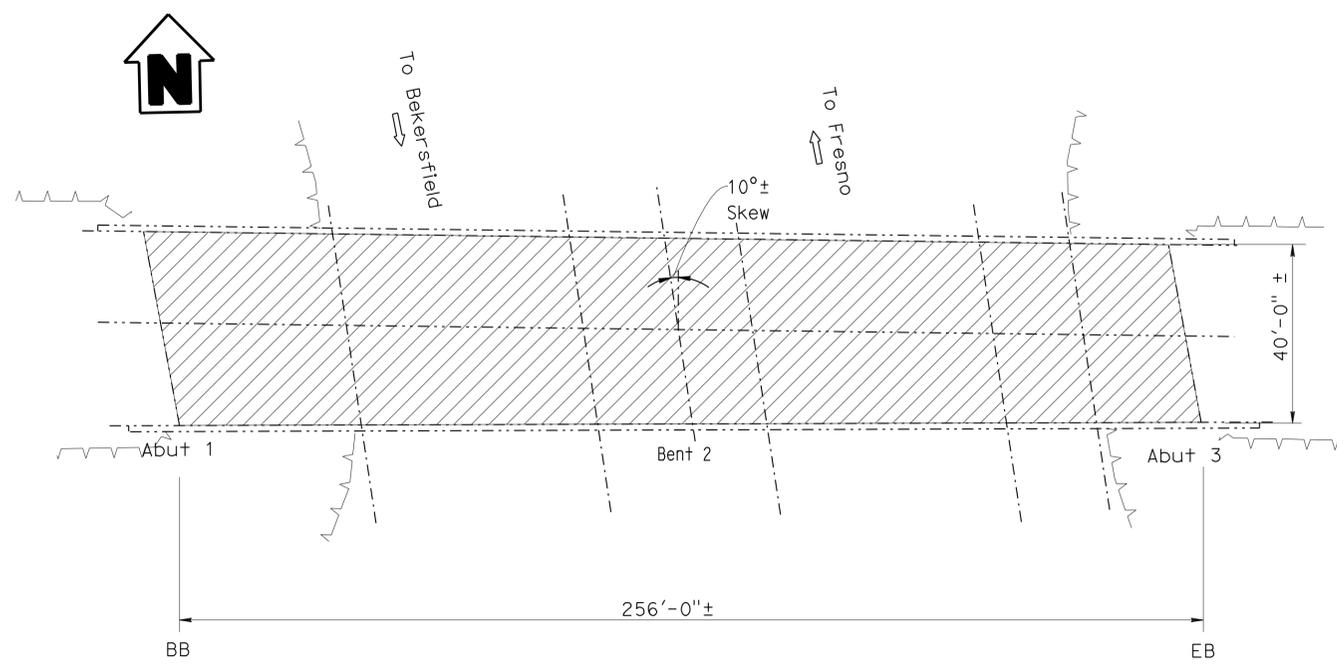
14 LERDO HWY OVERCROSSING
 BR. No. 50-0235, Rte 99, PM 36.52
 NO SCALE

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0034R/L & 50-0235
 GENERAL PLAN 9

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	BY M. Yu	CHECKED A. Kushkaki
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu	CHECKED A. Kushkaki
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY	PLANS AND SPECS COMPARED

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE NO.
	STRUCTURE MAINTENANCE AND INVESTIGATIONS	Var
		POST MILE
		Var

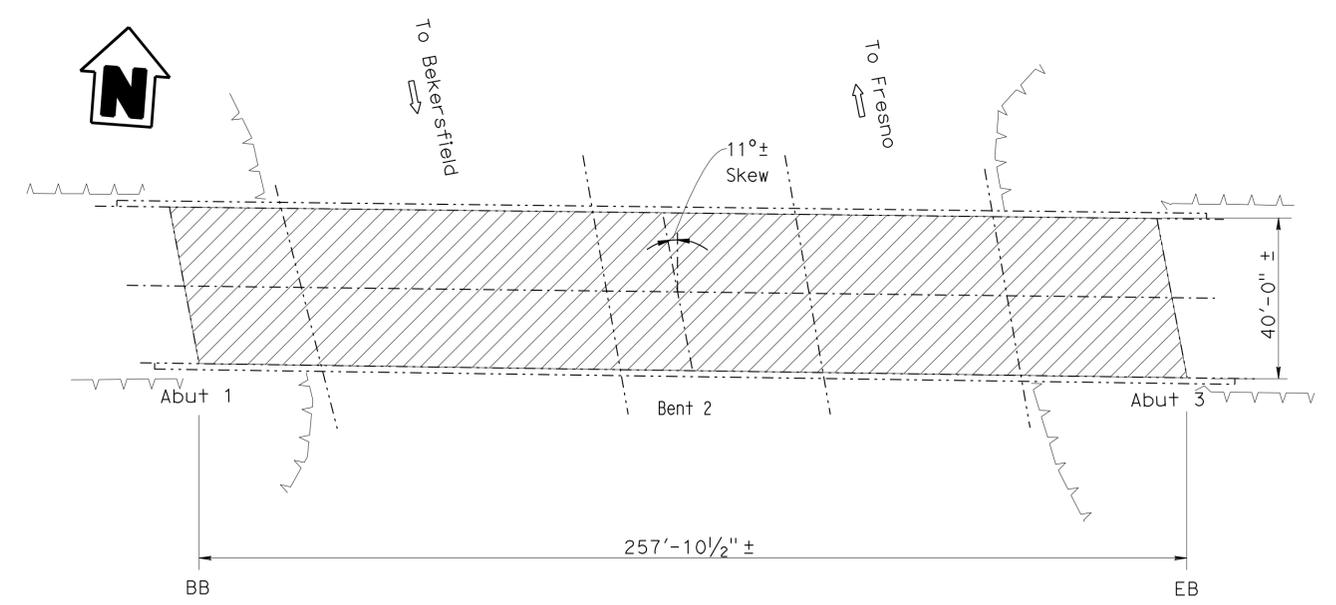
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	18	23
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 PLANS APPROVAL DATE					
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- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - [Hatched Box] INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - (-) INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

15 KIMBERLINA ROAD OVERCROSSING
 BR. No. 50-0350, Rte 99, PM 41.16
 NO SCALE

KIMBERLINA ROAD OVERCROSSING		BRIDGE NO. 50-03500	
QUANTITIES			
CLEAN BRIDGE DECK	10,240	SQFT	
TREAT BRIDGE DECK	10,240	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	115	GAL	
WHISLER ROAD OVERCROSSING		BRIDGE NO. 50-0237	
QUANTITIES			
CLEAN BRIDGE DECK	10,320	SQFT	
TREAT BRIDGE DECK	10,320	SQFT	
FURNISH BRIDGE DECK TREATMENT MATERIAL	115	GAL	

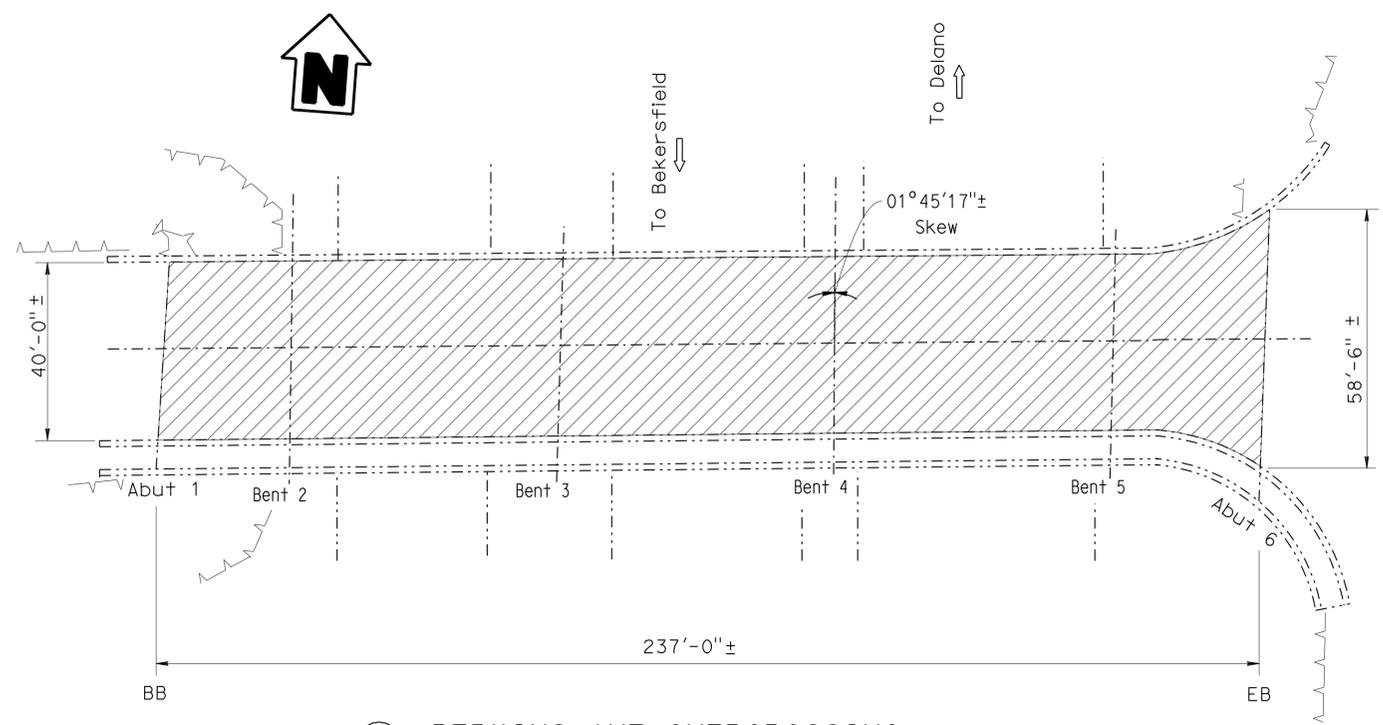


16 WHISLER ROAD OVERCROSSING
 BR. No. 50-0237, Rte 99, PM 47.37
 NO SCALE

TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0350 & 50-0237
GENERAL PLAN 10

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	Var
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu		CHECKED A. Kushkaki	POST MILE	Var
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY		PLANS AND SPECS COMPARED		

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	19	23
<i>Ahmad Gushkaki</i> REGISTERED CIVIL ENGINEER			DATE	10-18-11	
PLANS APPROVAL DATE 1-9-12			REGISTERED PROFESSIONAL ENGINEER No. 59045 Exp. 6-30-13 CIVIL STATE OF CALIFORNIA		
<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>					



- LEGEND:**
- INDICATES EXISTING STRUCTURE
 - ▨ INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
 - INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "DECK REPAIR AND OVERLAY DETAILS" SHEET.
 - INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

17 PERKINS AVE OVERCROSSING
 BR. No. 50-0225, Rte 99, PM 49.95
 NO SCALE

PERKINS AVE OVERCROSSING BRIDGE NO. 50-0225

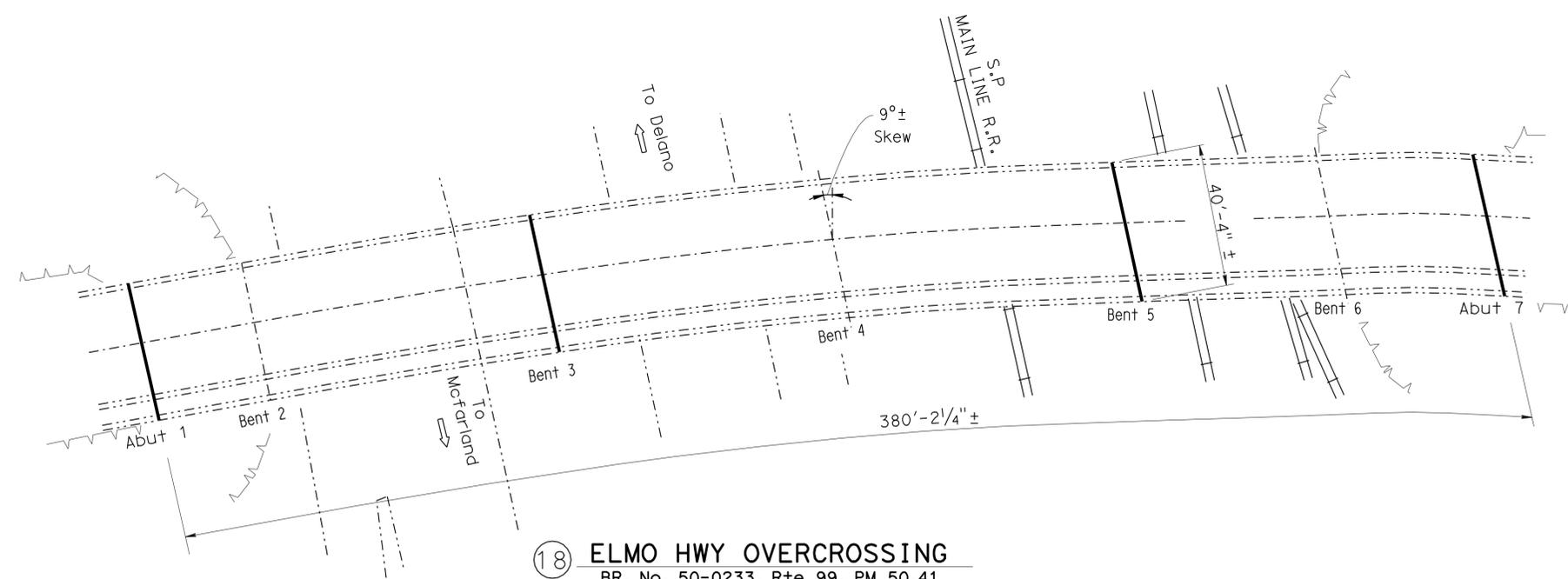
QUANTITIES

CLEAN BRIDGE DECK	9,800	SQFT
TREAT BRIDGE DECK	9,800	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	110	GAL
PUBLIC SAFETY PLAN		LUMP SUM

ELMO HWY OVERCROSSING BRIDGE NO. 50-0233

QUANTITIES

CLEAN EXPANSION JOINT	164	LF
JOINT SEAL (MR 1/2")	123	LF
JOINT SEAL (MR 1")	41	LF

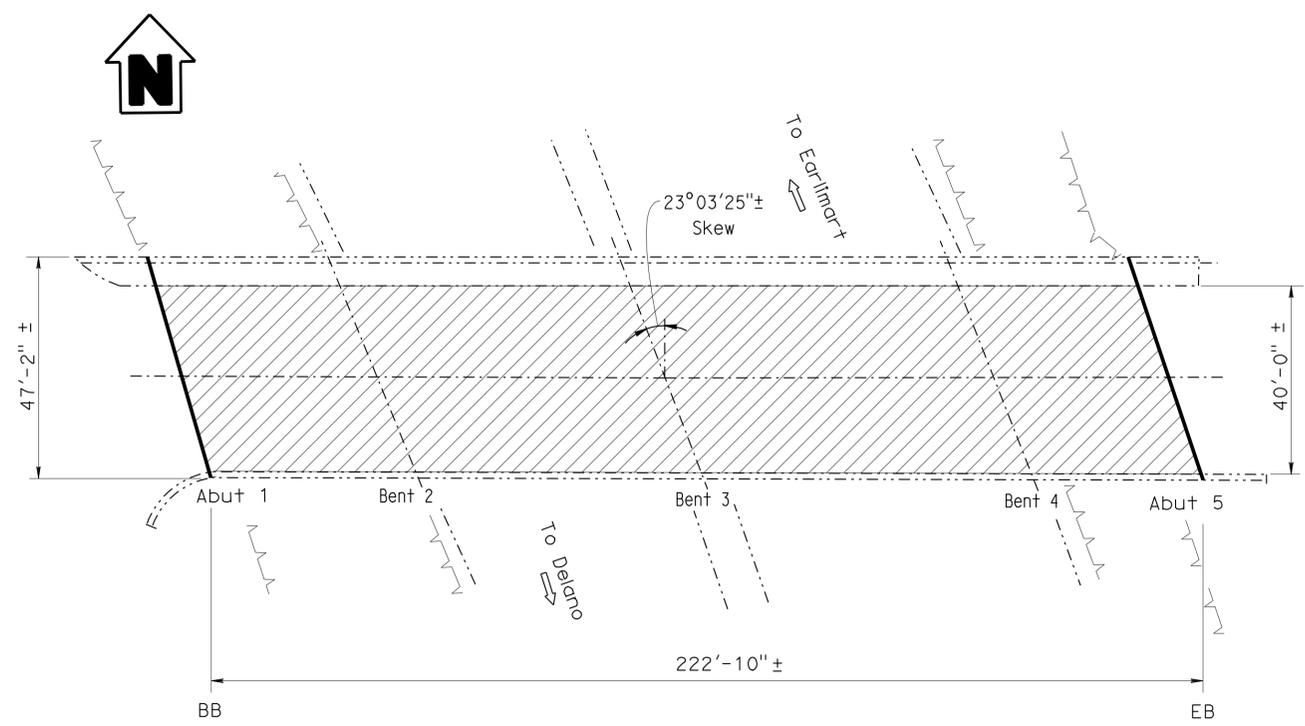


18 ELMO HWY OVERCROSSING
 BR. No. 50-0233, Rte 99, PM 50.41
 NO SCALE

REPLACE JOINT SEAL
TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0225 & 50-0233
GENERAL PLAN 11

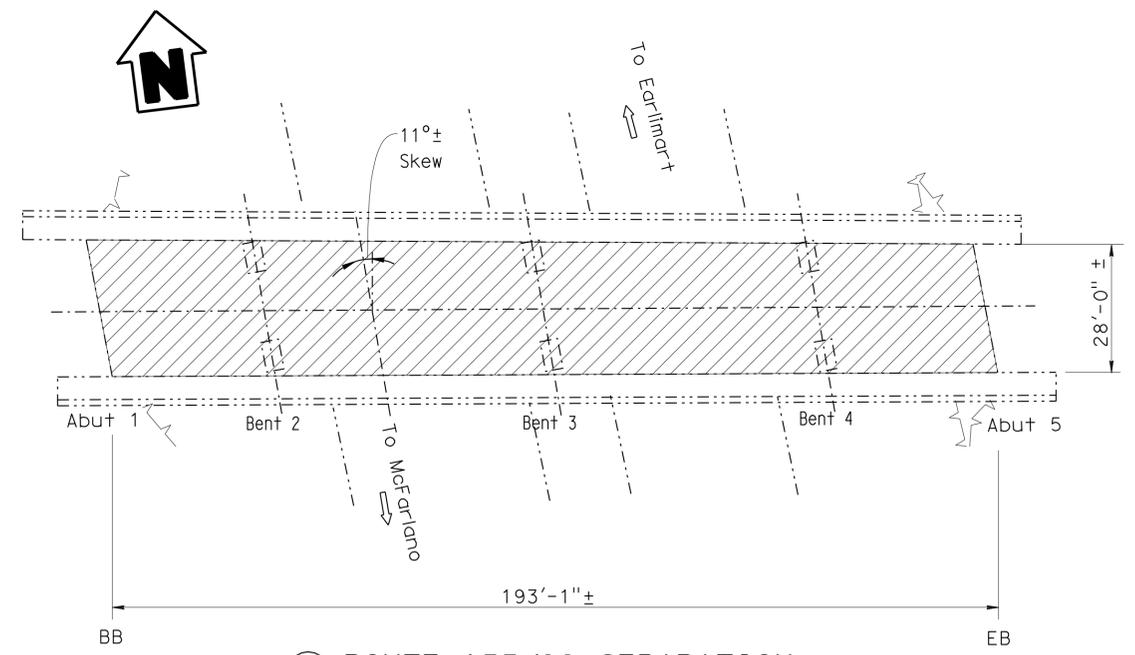
 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	Var
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu		CHECKED A. Kushkaki	POST MILE	Var
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY		PLANS AND SPECS COMPARED	Var	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	20	23
<i>A. Kushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 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.					



19 COUNTY LINE ROAD OVERCROSSING
 BR. No. 50-0215, Rte 99, PM 57.58
 NO SCALE

COUNTY LINE ROAD OVERCROSSING	BRIDGE NO. 50-0215
QUANTITIES	
CLEAN BRIDGE DECK	8,920 SQFT
CLEAN EXPANSION JOINT	102 LF
JOINT SEAL (MR 1")	102 LF
TREAT BRIDGE DECK	8,920 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	100 GAL
ROUTE 155/99 SEPARATION	BRIDGE NO. 50-0212
QUANTITIES	
CLEAN BRIDGE DECK	5,410 SQFT
TREAT BRIDGE DECK	5,410 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	60 GAL



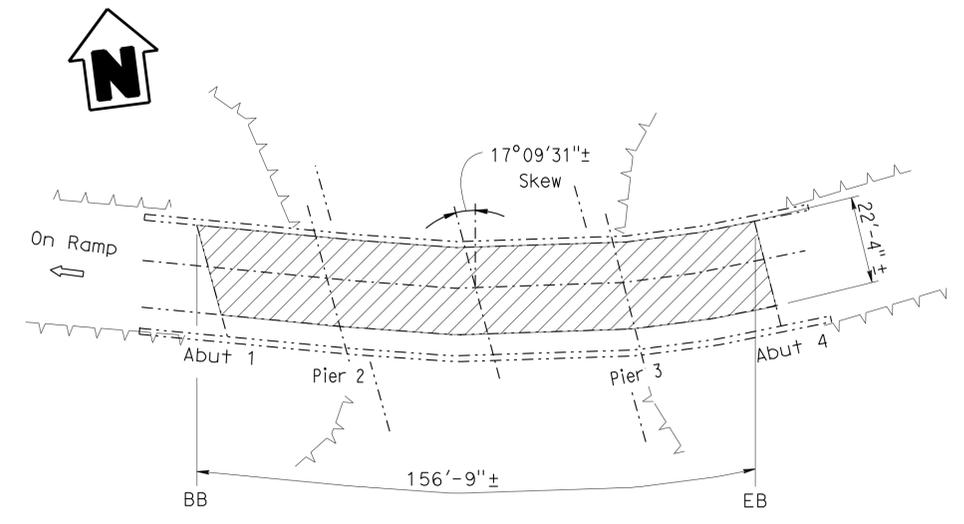
20 ROUTE 155/99 SEPARATION
 BR. No. 50-0212, Rte 155, PM 0.41
 NO SCALE

REPLACE JOINT SEAL
TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0215 & 50-0212
GENERAL PLAN 12

 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE AND INVESTIGATIONS	BRIDGE NO.	Var
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu		CHECKED A. Kushkaki	POST MILE	Var
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY		PLANS AND SPECS COMPARED	Var	

USERNAME => s124496 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 12:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99, 155,178	Var	21	23
<i>Ahmad Gushkaki</i> REGISTERED CIVIL ENGINEER			10-18-11	DATE	
1-9-12 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.					



LEGEND:

- INDICATES EXISTING STRUCTURE
- INDICATES LIMITS OF CLEAN AND TREAT BRIDGE DECK WITH HIGH MOLECULAR WEIGHT METHACRYLATE.
- INDICATES LOCATION OF CLEAN EXPANSION JOINT AND PLACE NEW JOINT SEAL. FOR DETAILS SEE "DECK REPAIR AND OVERLAY DETAILS" SHEET.
- INDICATES BRIDGE LOCATION, SEE ROAD PLANS.

21 W178-N204 CONNECTOR OVERCROSSING
 BR. No. 50-0332F, Rte 178, PM R1.97
 NO SCALE

W178-N204 CONNECTOR OVERCROSSING BRIDGE NO. 50-0332F

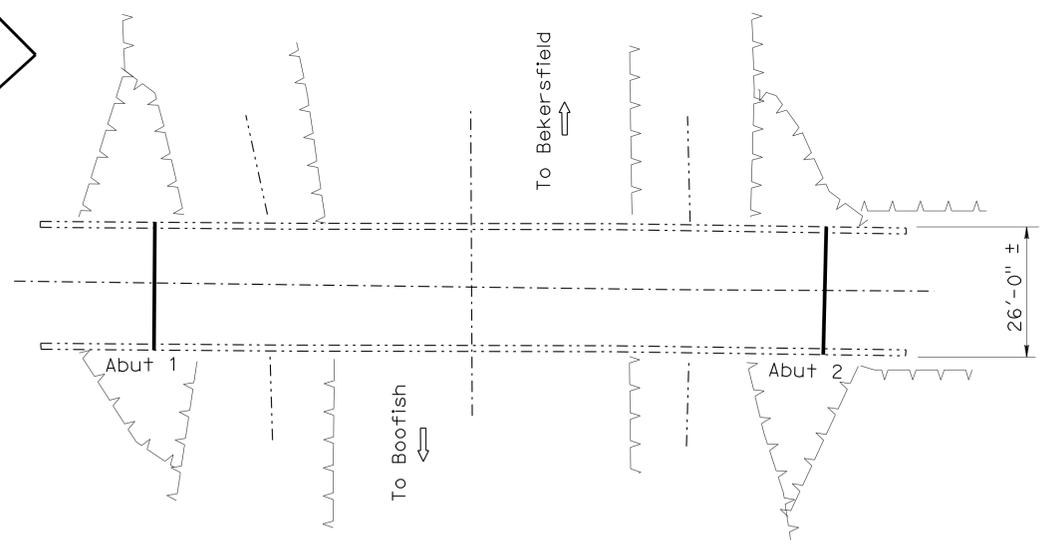
QUANTITIES

CLEAN BRIDGE DECK	3,495	SOFT
TREAT BRIDGE DECK	3,495	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	40	GAL
PUBLIC SAFETY PLAN		LUMP SUM

BOUNDARY FLAT ROAD OVERCROSSING BRIDGE NO. 50-0357

QUANTITIES

CLEAN EXPANSION JOINT	52	LF
JOINT SEAL (MR 1")	52	LF



22 BOUNDARY FLAT ROAD OVERCROSSING
 BR. No. 50-0357, Rte 178, PM R39.88
 NO SCALE

REPLACE JOINT SEAL
TREAT BRIDGE DECK & BRIDGE DECK OVERLAY
 Br. Nos. 50-0332F & 50-0357
GENERAL PLAN 13

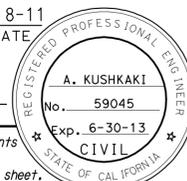
 DESIGN ENGINEER 10-18-11	DESIGN	BY A. Kushkaki	CHECKED H. Su	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY M. Yu	CHECKED A. Kushkaki	LAYOUT	BY M. Yu
	QUANTITIES	BY A. Kushkaki	CHECKED H. Su	SPECIFICATIONS	BY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE AND INVESTIGATIONS

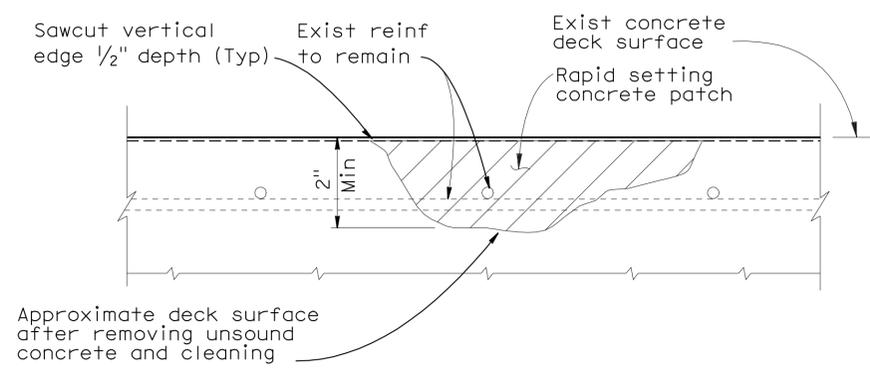
BRIDGE NO.	Var
POST MILE	Var

USERNAME => s124496 DATE PLOTTED => 11-JAN-2012 TIME PLOTTED => 12:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Ker	5,58,99,155,178	Var	22	23
10-18-11 REGISTERED CIVIL ENGINEER DATE					
1-9-12			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>					

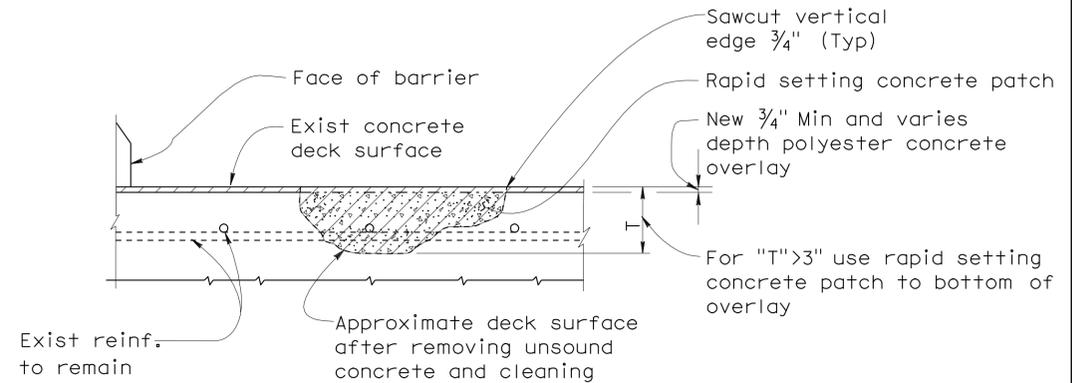
JOINT SEAL AND JOINT SEAL ASSEMBLY TABLE

INDEX	BRIDGE NUMBER	JOINT LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROXIMATE DEPTH TO CLEAN Exp JOINT (INCHES)
①	50-0240L	Abut 1	1.5	40	no	
		Abut 4	1.5	40	no	
⑨	50-0256	Abut 1	1.0	104	no	10
		Abut 4	1.5	104	no	10
⑫	50-0050L/R	Abut 1	1.0	115	no	10
		Abut 4	1.0	115	no	10
⑮	50-0233	Abut 1	0.5	41	no	10
		Bent 3	1.0	41	no	10
		Bent 5	0.5	41	no	10
		Abut 7	0.5	41	no	10
⑲	50-0215	Abut 1	1.0	51	no	10
		Abut 5	1.0	51	no	10
⑳	50-0357	Abut 1	1.0	26	no	10
		Abut 2	1.0	26	no	10



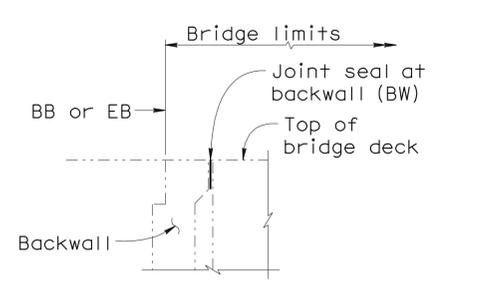
DECK REPAIR DETAIL - NO OVERLAY

Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal.

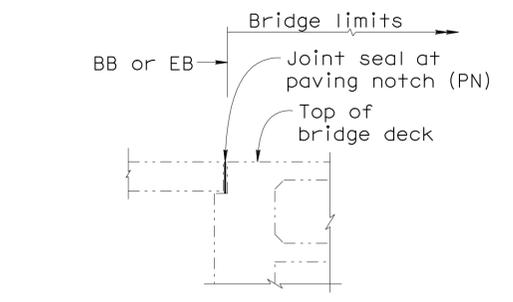


DECK REPAIR AND OVERLAY DETAIL

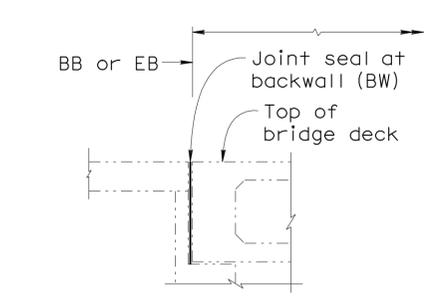
Reinforcement may be encountered during deck concrete removal



ABUTMENT WITH BACKWALL



END DIAPHRAGM ABUTMENT



SEAT TYPE ABUTMENT

JOINT SEAL LOCATION

No Scale

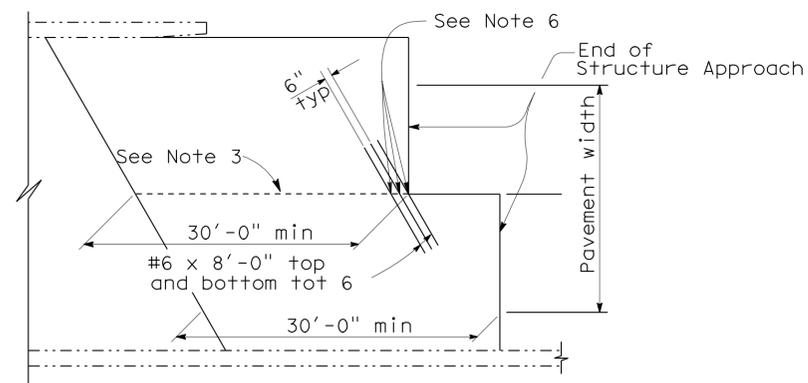
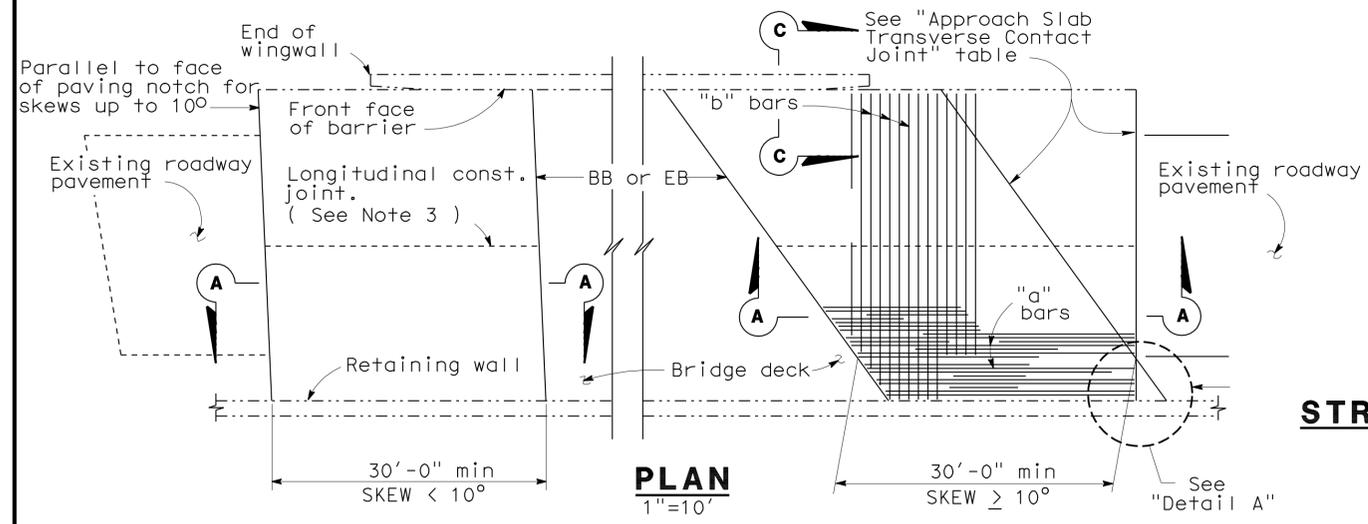
DESIGN	BY A. Kushkaki	CHECKED H. Su
DETAILS	BY M. Yu	CHECKED A. Kushkaki
QUANTITIES	BY A. Kushkaki	CHECKED H. Su

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE AND INVESTIGATIONS

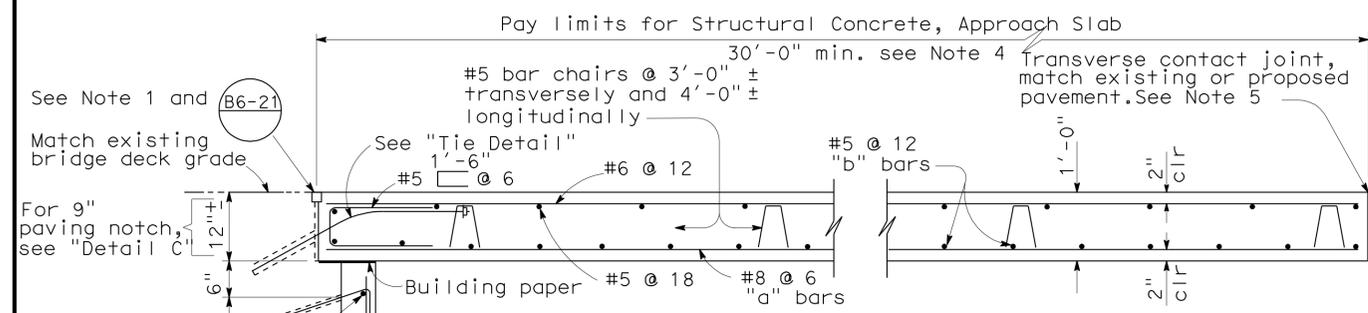
BRIDGE NO.	Var
POST MILE	Var

MISCELLANEOUS DETAILS
DECK REPAIR AND OVERLAY DETAILS

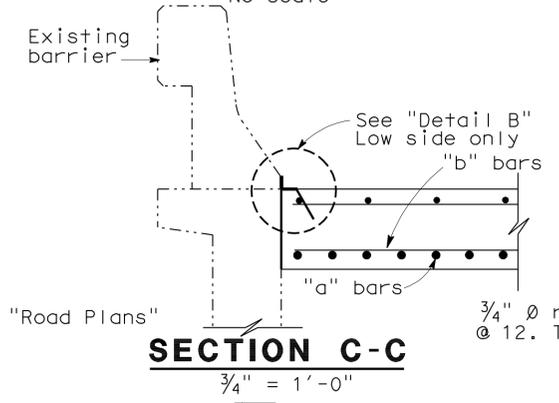


STRUCTURE APPROACH - END STAGGER DETAIL
 No Scale

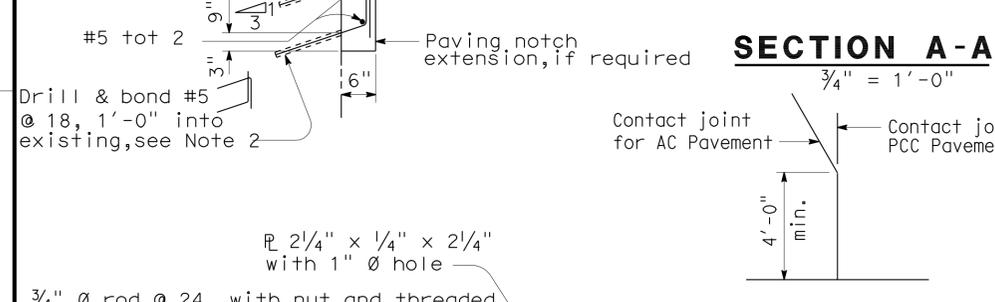
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 10°	Parallel to face of paving notch	Parallel to face of paving notch
10° - 45°	Parallel to face of P N use (Detail A)	Stagger lines 24' to 36' apart
> 45°	Parallel to face of P N use (Detail A)	Stagger at each lane line



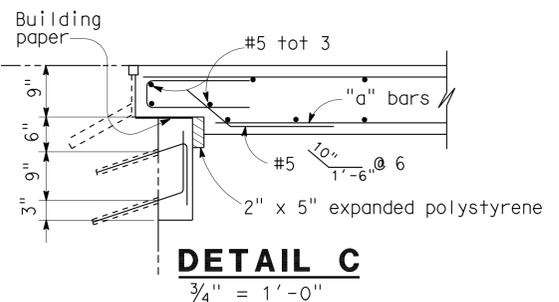
SECTION A-A
 No Scale



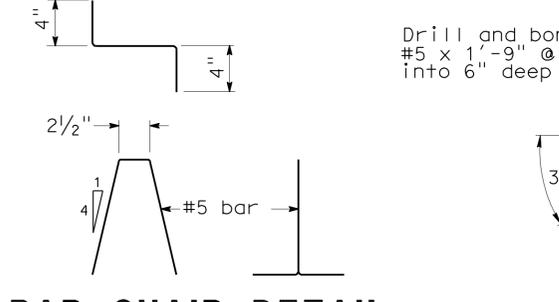
SECTION C-C
 No Scale



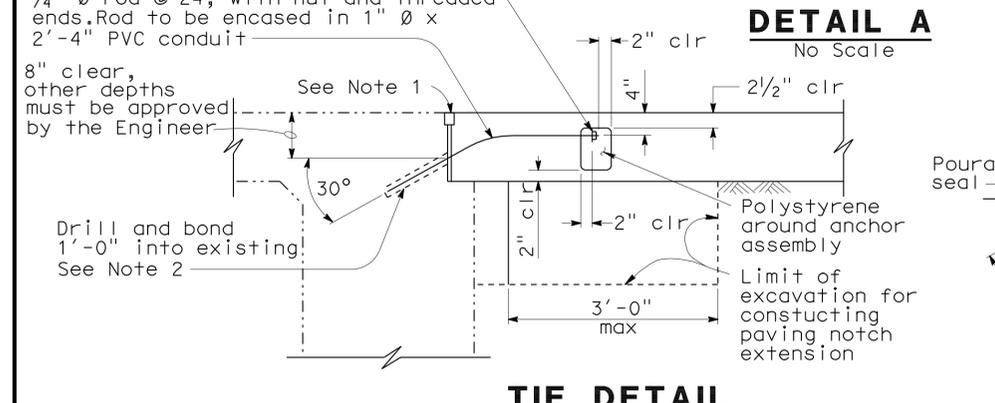
DETAIL A
 No Scale



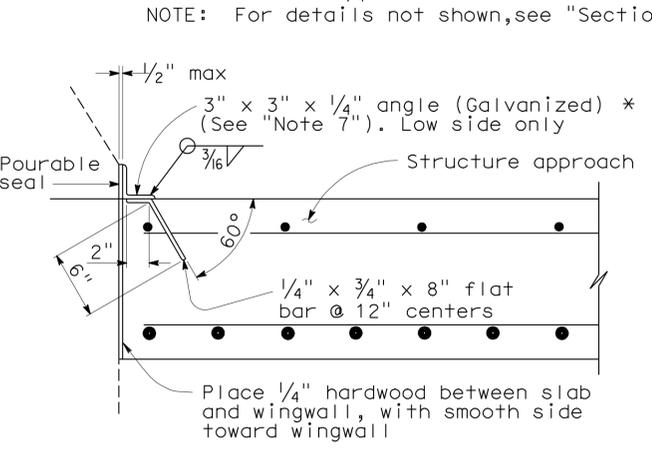
DETAIL C
 No Scale



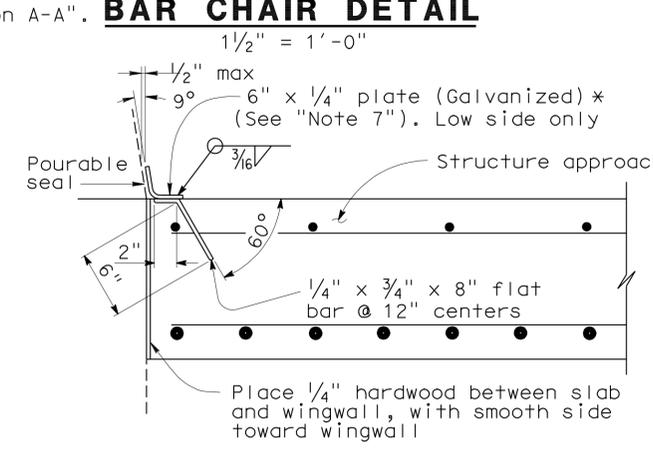
BAR CHAIR DETAIL
 No Scale



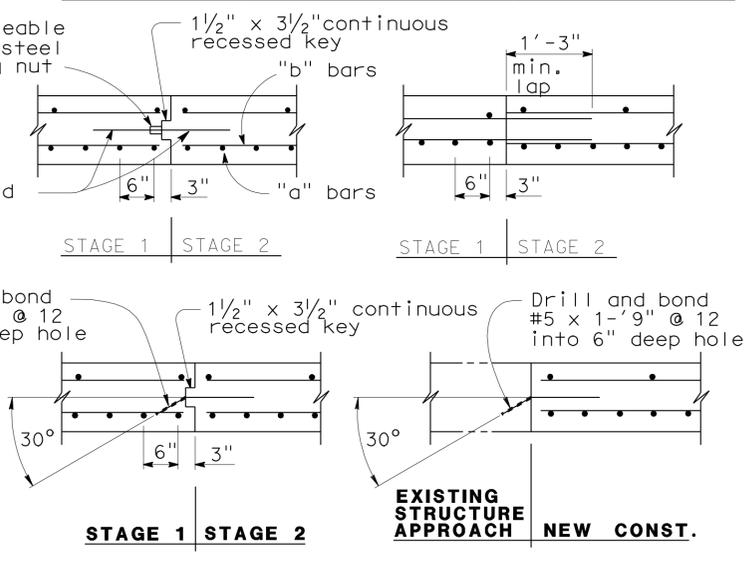
TIE DETAIL
 No Scale



DETAIL B
 No Scale



CONCRETE BARRIER



LONGITUDINAL CONSTRUCTION JOINT ALTERNATIVES
 No Scale

- NOTES:**
- For details not shown or noted, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 - Space to avoid existing prestress anchorages and main reinforcement.
 - Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
 - Transverse contact joint shall be a minimum of 5'-0" from an existing or constructed weakened plane joint.
 - For transverse contact joint with new PCC paving, refer to Standard Plan P10.
 - Couplers are required for stage construction.
 - End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable.

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

*(TO BE USED WITH TYPE 25 OR TYPE 27 CONCRETE BARRIER) *(TO BE USED WITH TYPE 732 OR TYPE 736 CONCRETE BARRIER)

STANDARD DRAWING			
RELEASE DATE 3/14/05	DESIGN BY M. TRAFFALIS	CHECKED E. THORKILDSEN	RELEASED BY
FILE NO. xs3-140e	DETAILS BY R. YEE	CHECKED E. THORKILDSEN	
	SUBMITTED BY M. HA	DRAWING DATE 8/92	OFFICE CHIEF

BRIDGE NO. Various	REPLACE JOINT SEALS AND STRUCTURE APPROACH
MILE POST Various	

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES
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PROJECT NUMBER & PHASE: 0600020117	CONTRACT NO.: 06-0M2701	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 15 OF 15
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