

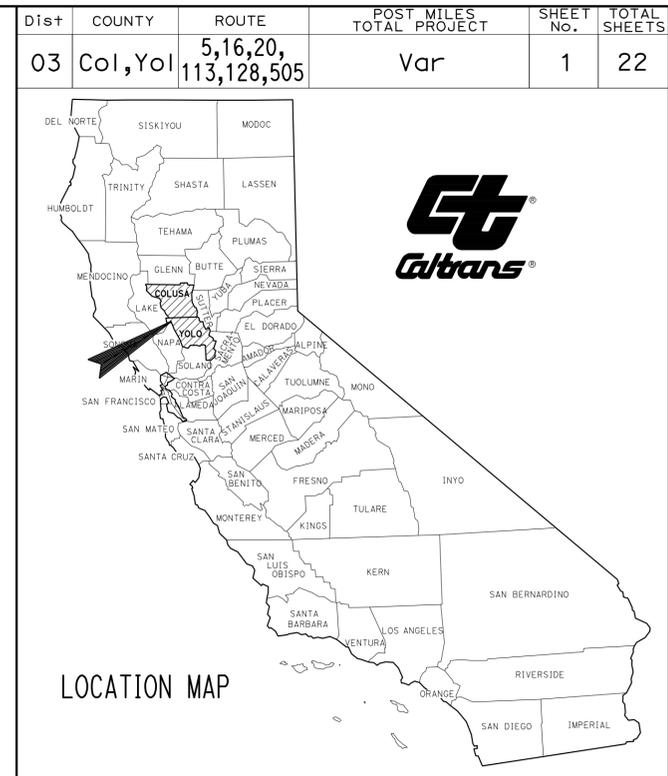
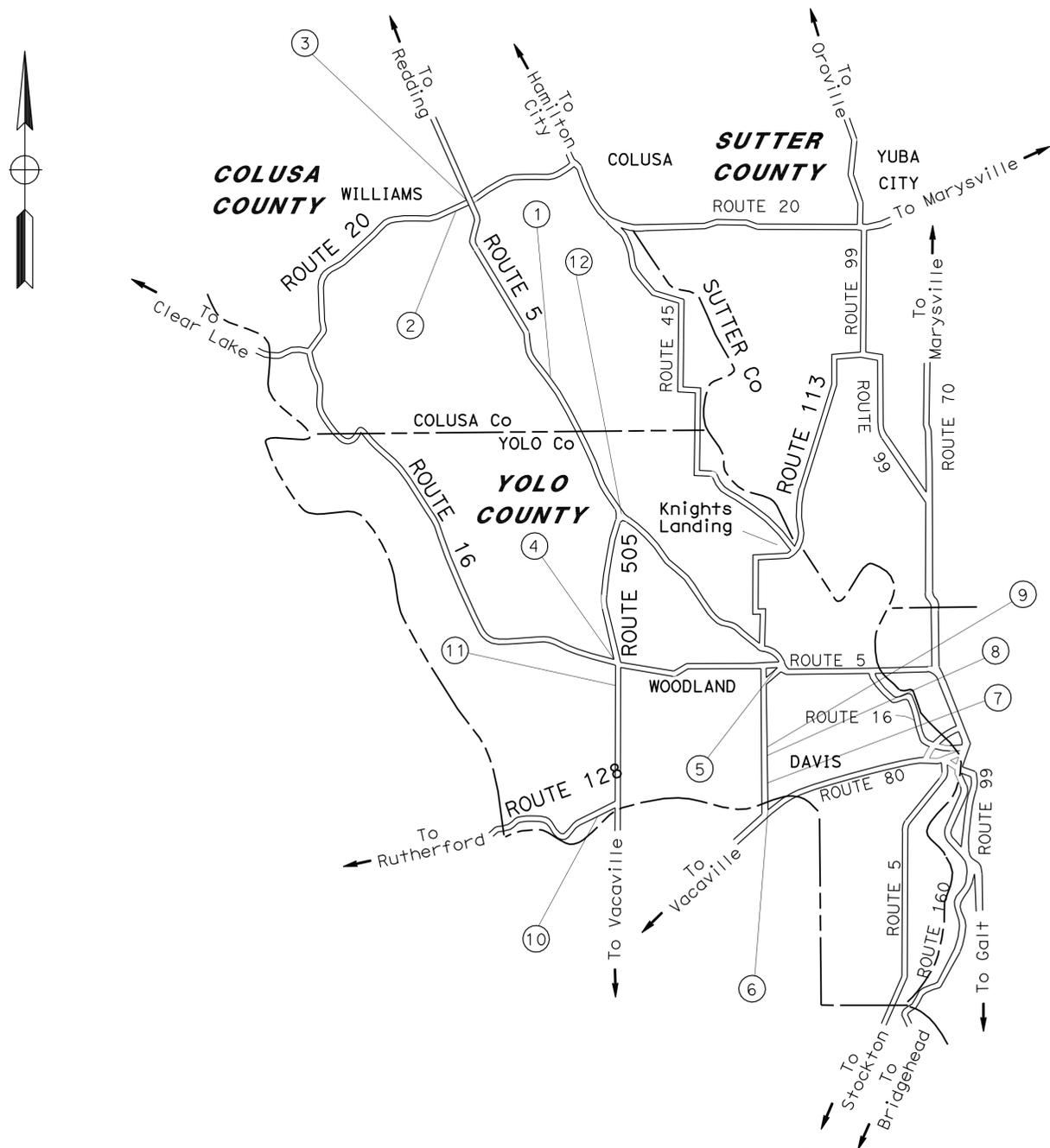
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3-8	CONSTRUCTION AREA SIGNS
9	PAVEMENT DELINEATION QUANTITIES
10-12	REVISED STANDARD PLANS
STRUCTURE PLANS	
13-22	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES

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 COLUSA AND YOLO COUNTIES
AT VARIOUS LOCATIONS**

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

LOCATION	COUNTY	ROUTE	POST MILE	BRIDGE NUMBER	STRUCTURE NAME
①	Col	5	R3.15	15-0060	GREENBAY ROAD OC
②	Col	20	R21.85	15-0024	NORTH WILLIAMS OH
③	Col	20	R22.09	15-0078	ROUTE 20/5 SEPARATION
④	Yol	16	32.01	22-0111	ROUTE 16/505 SEPARATION
⑤	Yol	16	R43.42	22-0151	ROUTE 16/5 SEPARATION
⑥	Yol	113	R0.08	22-0175	BLACKSMITH ROAD OC
⑦	Yol	113	R0.42	22-0123	HUTCHINSON DRIVE OC
⑧	Yol	113	R2.08	22-0120	COUNTY ROAD 31 OC
⑨	Yol	113	R4.10	22-0121	COUNTY ROAD 29 OC
⑩	Yol	128	7.70	22-0195	APRICOT DRAW Br
⑪	Yol	505	9.66	22-0115R	COTTONWOOD SLOUGH Br
⑫	Yol	505	R22.33	22-0143R	ROUTE 505/5 SEPARATION

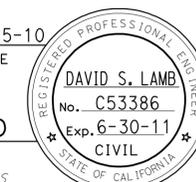
PROJECT MANAGER
BRIAN D. TOEPFER

DESIGN ENGINEER
BRIAN D. TOEPFER

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

NO SCALE

David S. Lamb 10-25-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER



November 1, 2010
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.	03-3M7304
PROJECT ID	0300000595

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, YoI	5,16,20, 113,128,505	Var	2	22

D.S. Lamb 10-25-10
 REGISTERED CIVIL ENGINEER DATE

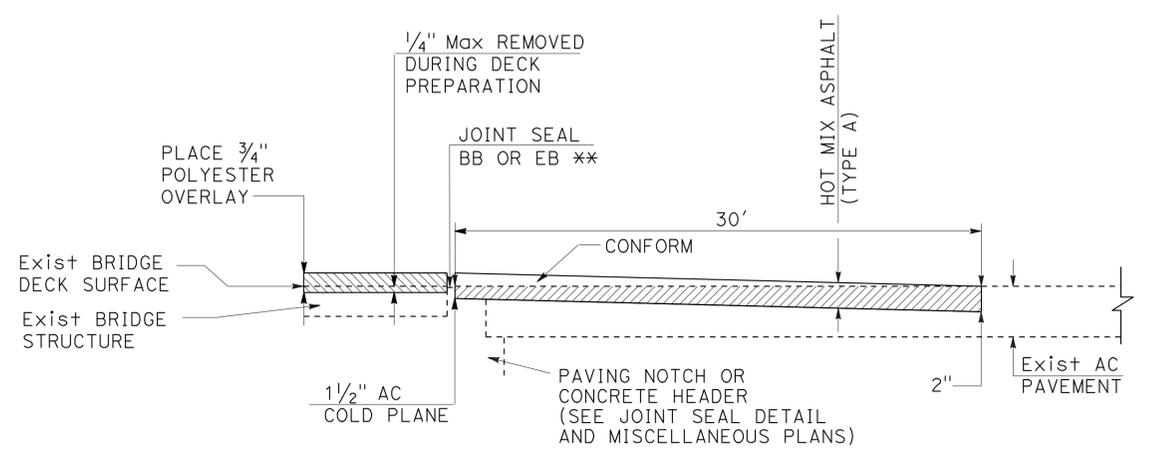
11-1-10
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 DAVID S. LAMB
 No. C53386
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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

LEGEND

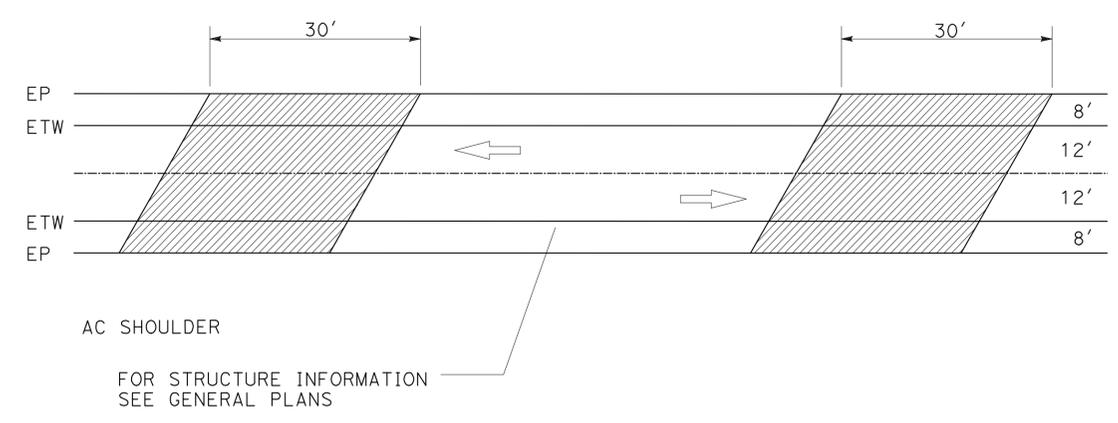
 POLYESTER CONCRETE OVERLAY
 COLD PLANE AC PAVEMENT



LOCATIONS 2, 4, AND 5
 **BEGIN AND END OF BRIDGE OR END OF APPROACH AND DEPARTURE SLABS

ROADWAY QUANTITIES

LOCATION NUMBER	COUNTY AND ROUTE	BRIDGE NUMBER	DESCRIPTION	HOT MIX ASPHALT (TYPE A)	COLD PLANE AC PAVEMENT	TACK COAT
				TON	SQYD	TON
2	Col 20	15-0024	NORTH WILLIAMS OH	34	294	0.3
4	YoI 16	22-0111	ROUTE 16/505 SEPARATION	24	206	0.2
5	YoI 16	22-0151	ROUTE 16/5 SEPARATION	34	294	0.3
SUBTOTAL				92	794	0.8
TOTAL				92	794	0.8



PLAN
LOCATIONS 2, 4, AND 5
AC PAVEMENT CONFORM

CONSTRUCTION DETAILS
 NO SCALE
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 FUNCTIONAL SUPERVISOR BRIAN D. TOEFFER
 CALCULATED-DESIGNED BY CHECKED BY
 ROBERT M. FLOYD II DAVID S. LAMB
 REVISED BY DATE REVISED

LAST REVISION | DATE PLOTTED => 26-OCT-2010 00-00-00 | TIME PLOTTED => 10:44

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 MAINTENANCE
 FUNCTIONAL SUPERVISOR
 BRIAN D. TOEPFER
 CALCULATED-DESIGNED BY
 CHECKED BY
 ROBERT M. FLOYD II
 DAVID S. LAMB
 REVISED BY
 DATE REVISED

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POST AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
(A)	W20-1	C23	60" x 60"	ROAD WORK AHEAD	2 - 4" x 6"	4
(B)		C14	48" x 24"	END ROAD WORK	1 - 4" x 6"	28
(C)		C40(Mod)	96" x 60"	TRAFFIC FINES DOUBLED IN WORK ZONES	2 - 6" x 6"	2
(D)	W20-1	C23	48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	26

NOTE:

1. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

SIGN DETAILS

(C) C40(Mod) <CA>

TRAFFIC FINES
DOUBLED IN
WORK ZONES

8" D
SERIES
LETTERS

96" x 60"

RETROREFLECTIVE WHITE
BACKGROUND WITH BLACK
LEGEND AND BORDER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yol	5,16,20, 113,128,505	Var	3	22

REGISTERED CIVIL ENGINEER DATE 10-25-10

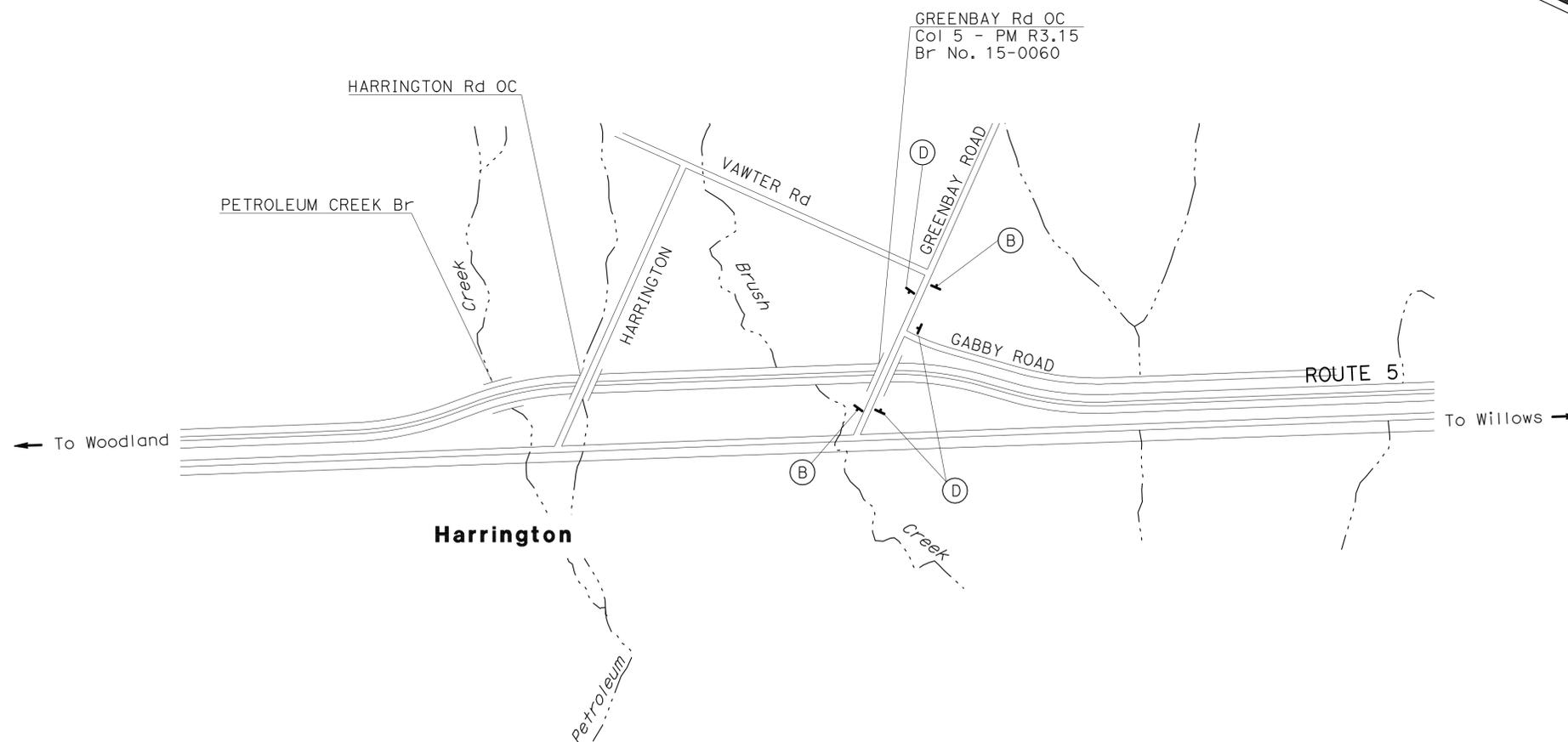
11-1-10
PLANS APPROVAL DATE

DAVID S. LAMB
No. C53386
Exp. 6-30-11
CIVIL

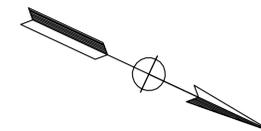
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND

- (X) CONSTRUCTION AREA SIGN LETTER
- 1 SIGN - SINGLE POST
- 2 SIGN - TWO POST
- <CA> CALIFORNIA SIGN CODE



LOCATION 1
 GREENBAY ROAD OC
 Col 5 - PM R3.15
 Br No. 15-0060



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yoi	5, 16, 20, 113, 128, 505	Var	4	22

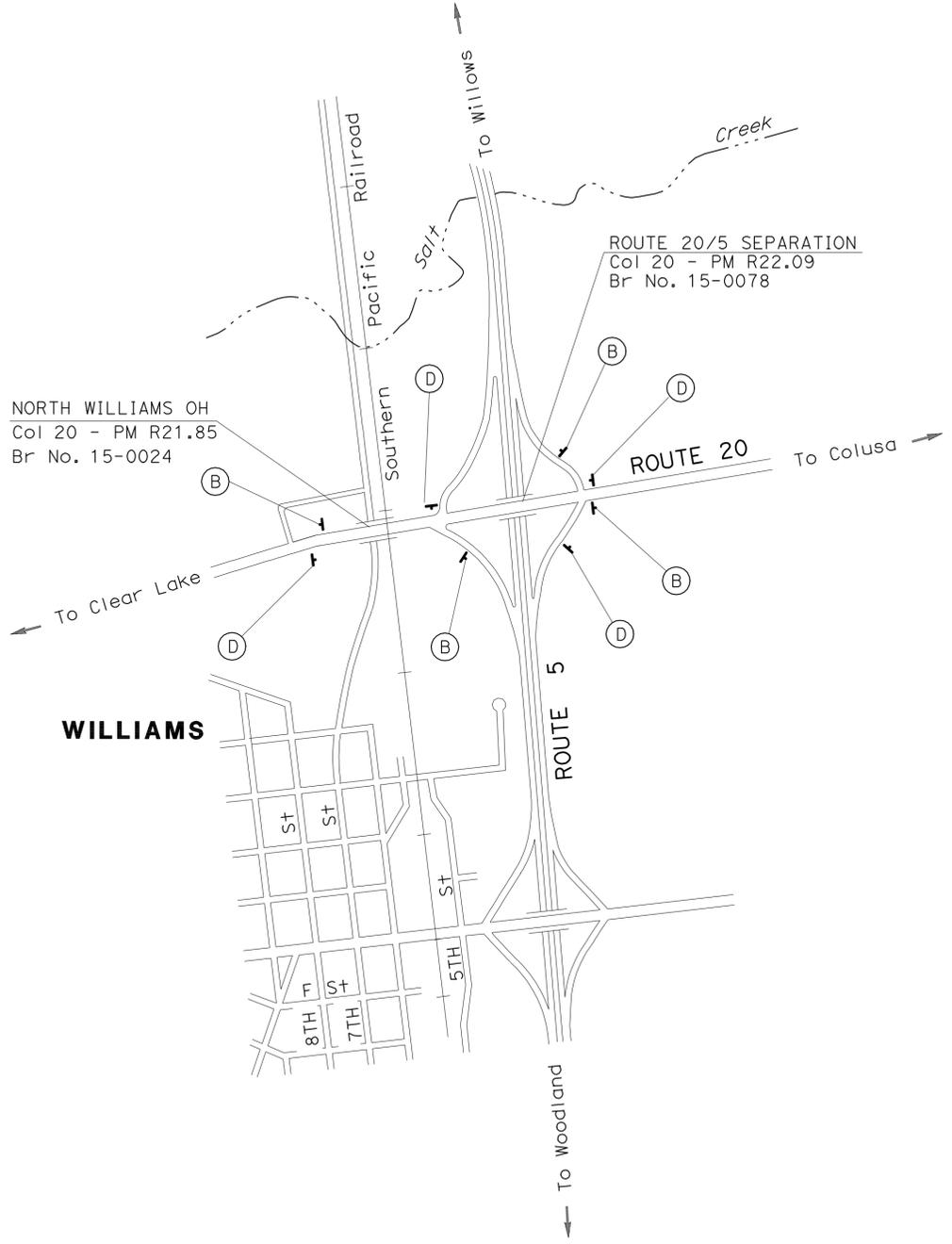
D.S. Lamb 10-25-10
 REGISTERED CIVIL ENGINEER DATE

11-1-10
 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.

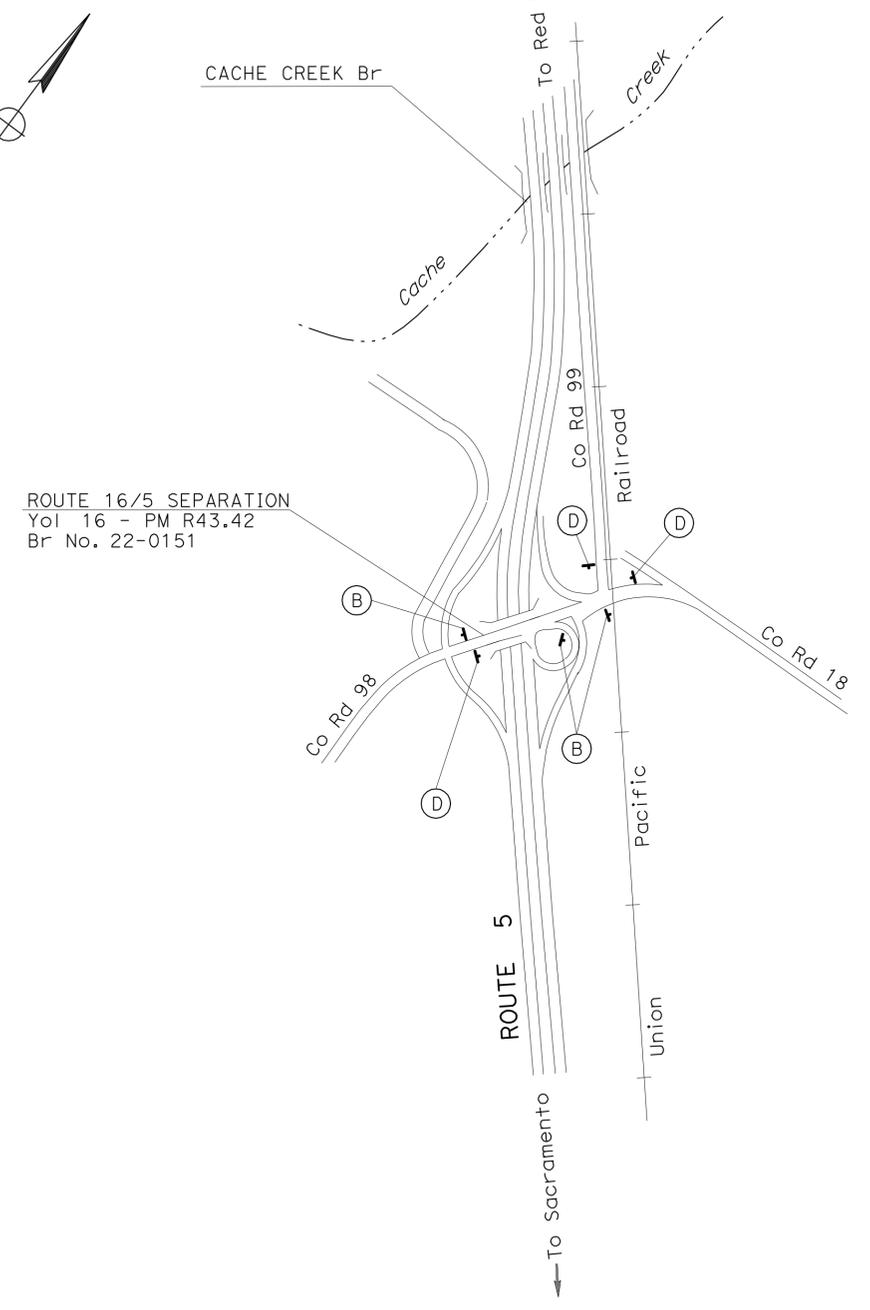
REGISTERED PROFESSIONAL ENGINEER
DAVID S. LAMB
 No. C53386
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	ROBERT M. FLOYD II	REVISED BY	
Caltrans	BRIAN D. TOEPFER	CHECKED BY	DAVID S. LAMB	DATE REVISED	
MAINTENANCE					



LOCATION 2
 NORTH WILLIAMS OH
 Col 20 - PM R21.85
 Br No. 15-0024

LOCATION 3
 ROUTE 20/5 SEPARATION
 Col 20 - PM R22.09
 Br No. 15-0078

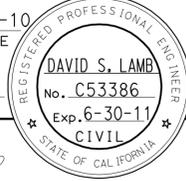


LOCATION 5
 ROUTE 16/5 SEPARATION
 Yoi 16 - PM R43.42
 Br No. 22-0151

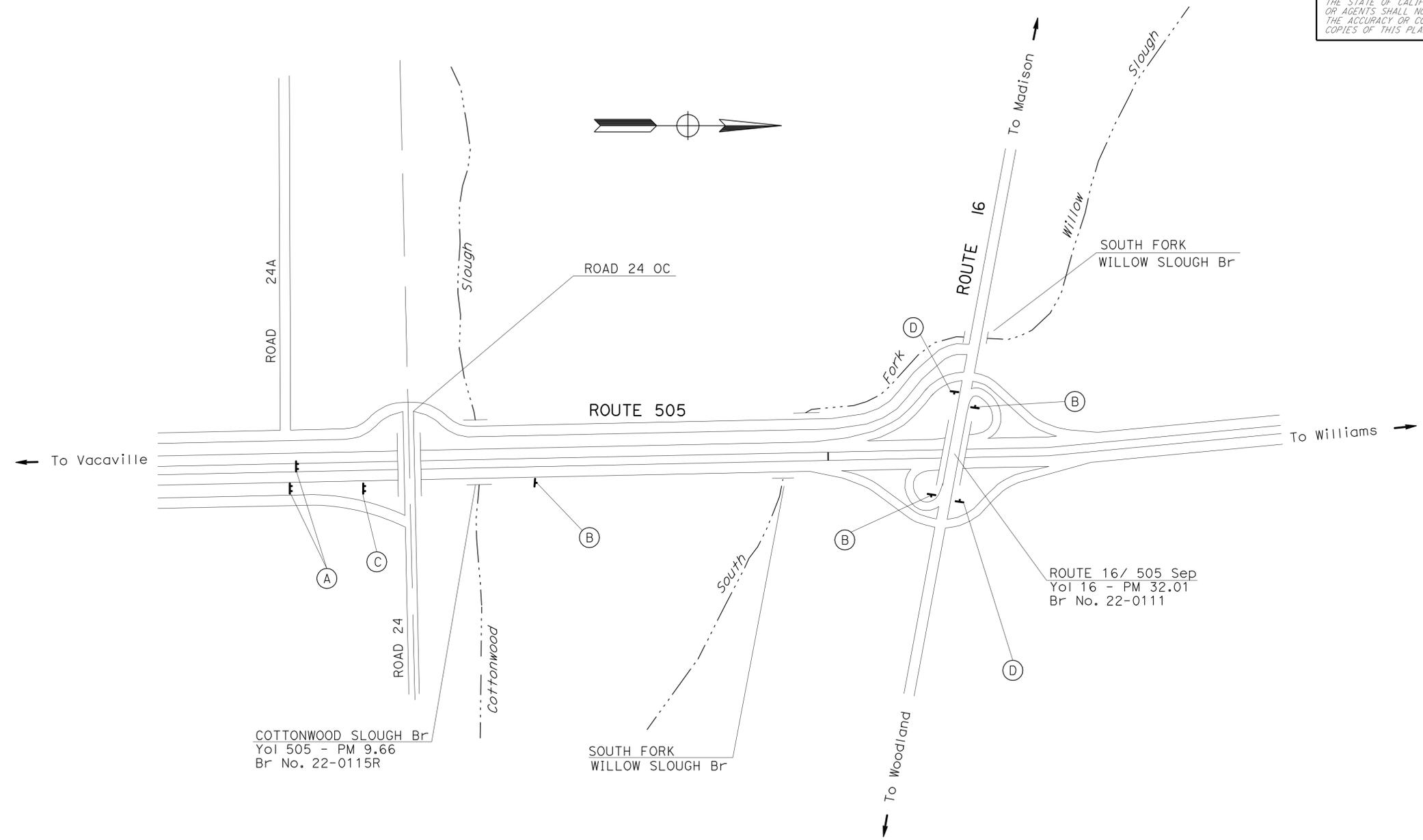
CONSTRUCTION AREA SIGNS
 NO SCALE **CS-2**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yol	5,16,20, 113,128,505	Var	5	22
<i>D.S. Lamb</i> REGISTERED CIVIL ENGINEER			10-25-10	DATE	
11-1-10 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.					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	BRIAN D. TOEPFER	DAVID S. LAMB	ROBERT M. FLOYD II
MAINTENANCE		CHECKED BY	DATE REVISED



LOCATION 11
 COTTONWOOD SLOUGH BRIDGE
 YoI 505 - PM 9.66
 Br No. 22-0115R

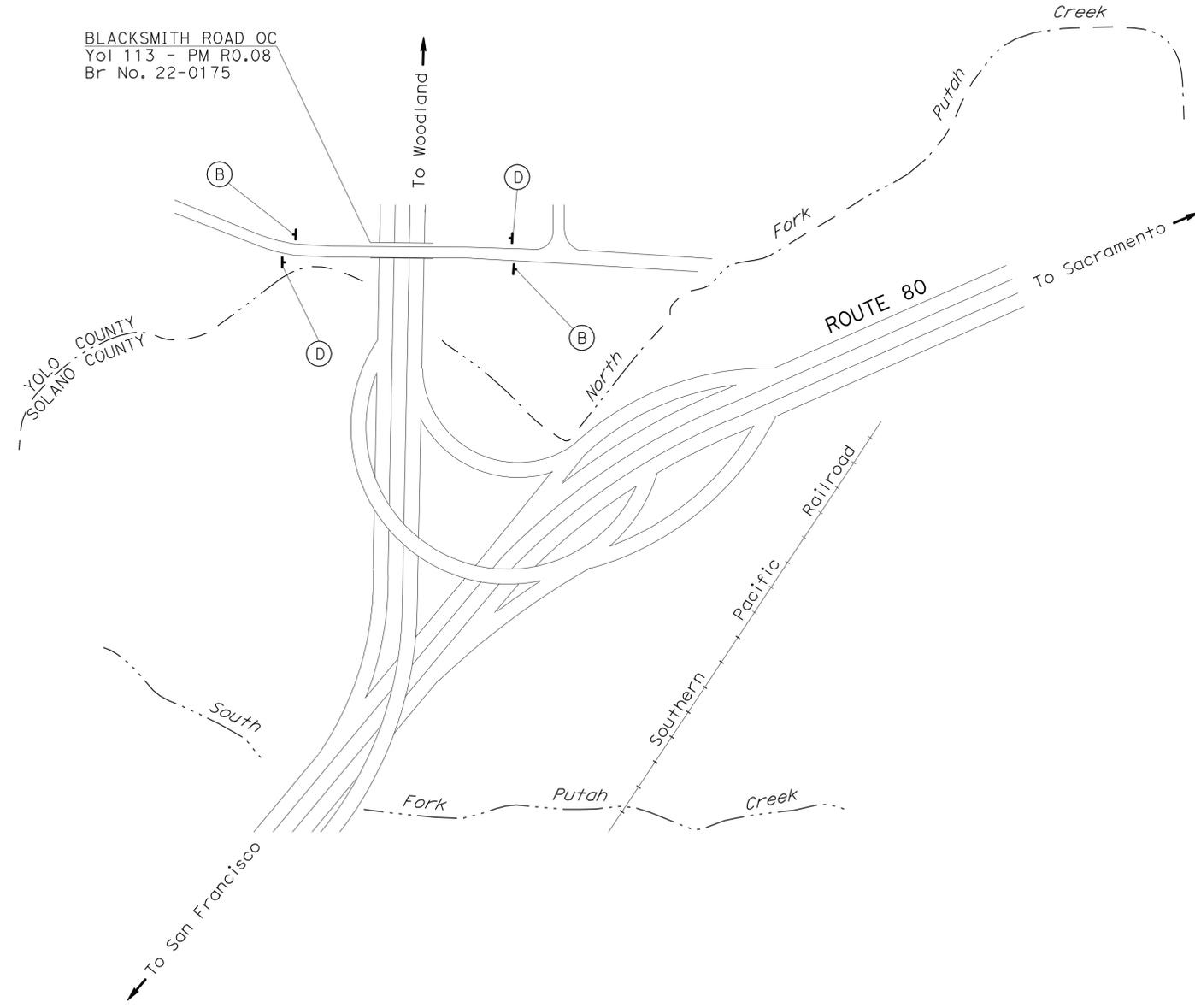
LOCATION 4
 ROUTE 16/505 SEPARATION
 YoI 16 - PM 32.01
 Br No. 22-0111

CONSTRUCTION AREA SIGNS
 NO SCALE
CS-3

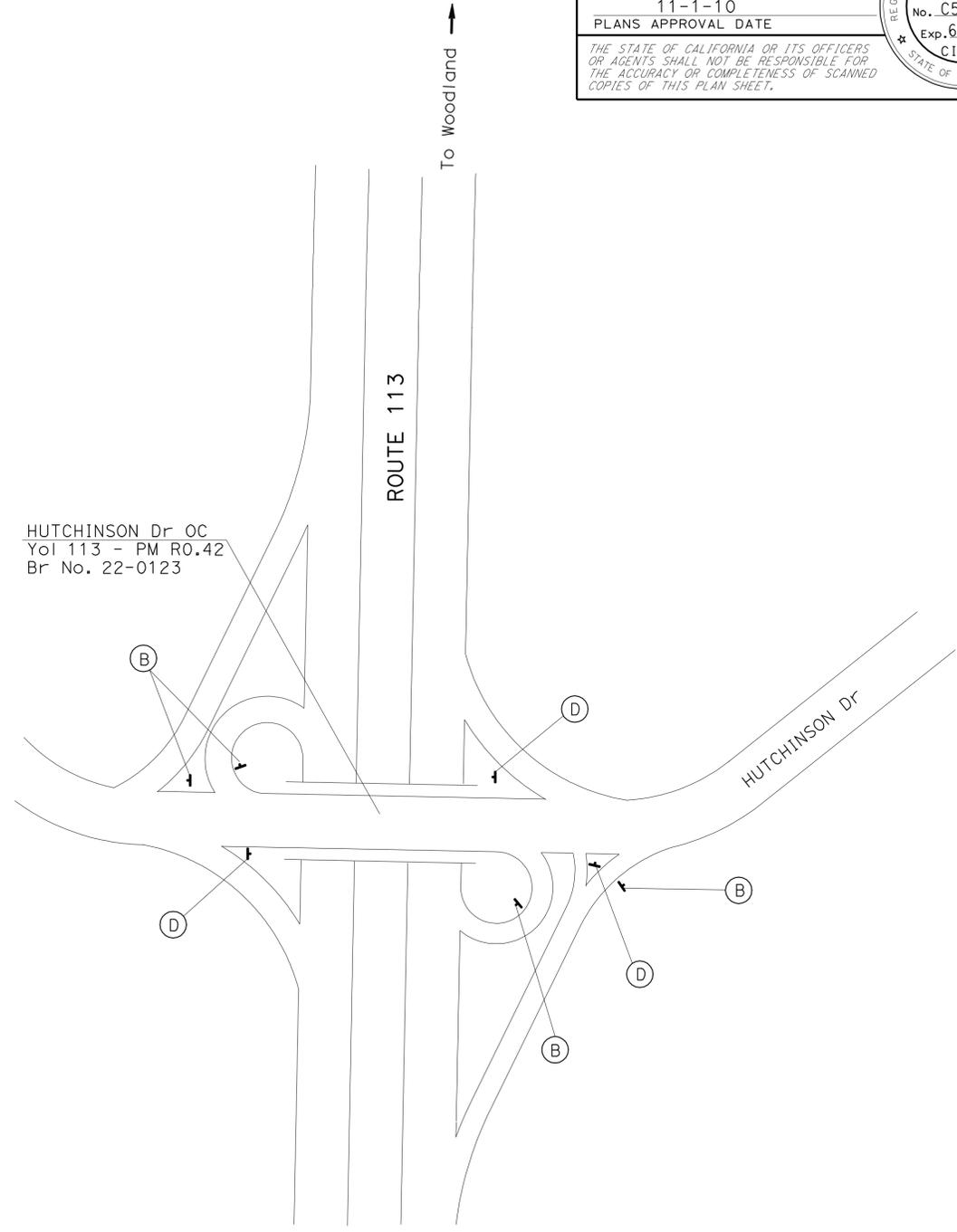
THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yoi	5,16,20, 113,128,505	Var	6	22
<i>D.S. Lamb</i> REGISTERED CIVIL ENGINEER			10-25-10 DATE	REGISTERED PROFESSIONAL ENGINEER DAVID S. LAMB No. C53386 Exp. 6-30-11 CIVIL STATE OF CALIFORNIA	
11-1-10 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.		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	BRIAN D. TOEPFER	DAVID S. LAMB	ROBERT M. FLOYD II
MAINTENANCE			



LOCATION 6
 BLACKSMITH ROAD OC
 YoI 113 - PM R0.08
 Br No. 22-0175

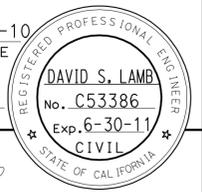


LOCATION 7
 HUTCHINSON DRIVE OC
 YoI 113 - PM R0.42
 Br No. 22-0123

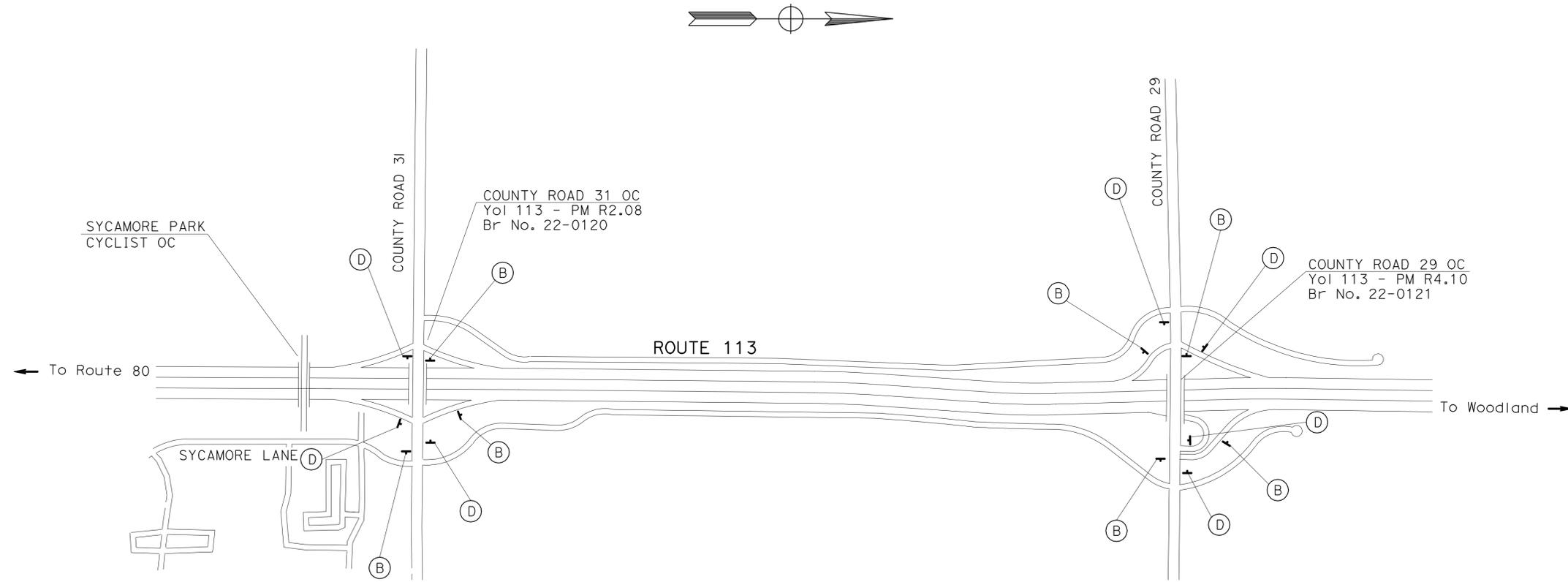
CONSTRUCTION AREA SIGNS
 NO SCALE
CS-4

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yo1	5,16,20, 113,128,505	Var	7	22
 REGISTERED CIVIL ENGINEER			10-25-10	DATE	
PLANS APPROVAL DATE			11-1-10	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.					



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	ROBERT M. FLOYD II	REVISED BY	
Caltrans	BRIAN D. TOEPFER	CHECKED BY	DAVID S. LAMB	DATE REVISED	
MAINTENANCE					



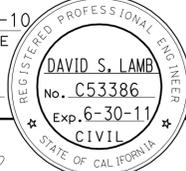
LOCATION 8
 COUNTY ROAD 31 OC
 Yo1 113 - PM R2.08
 Br No. 22-0120

LOCATION 9
 COUNTY ROAD 29 OC
 Yo1 113 - PM R4.10
 Br No. 22-0121

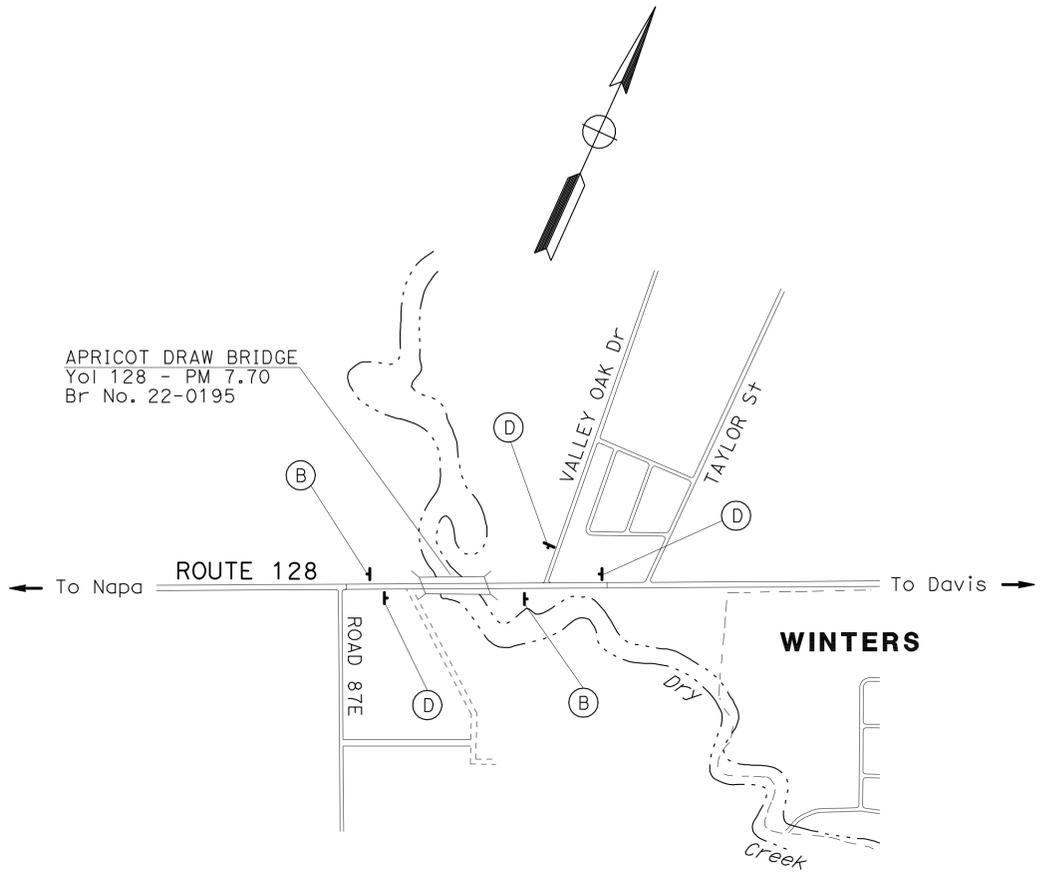
CONSTRUCTION AREA SIGNS
 NO SCALE **CS-5**

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

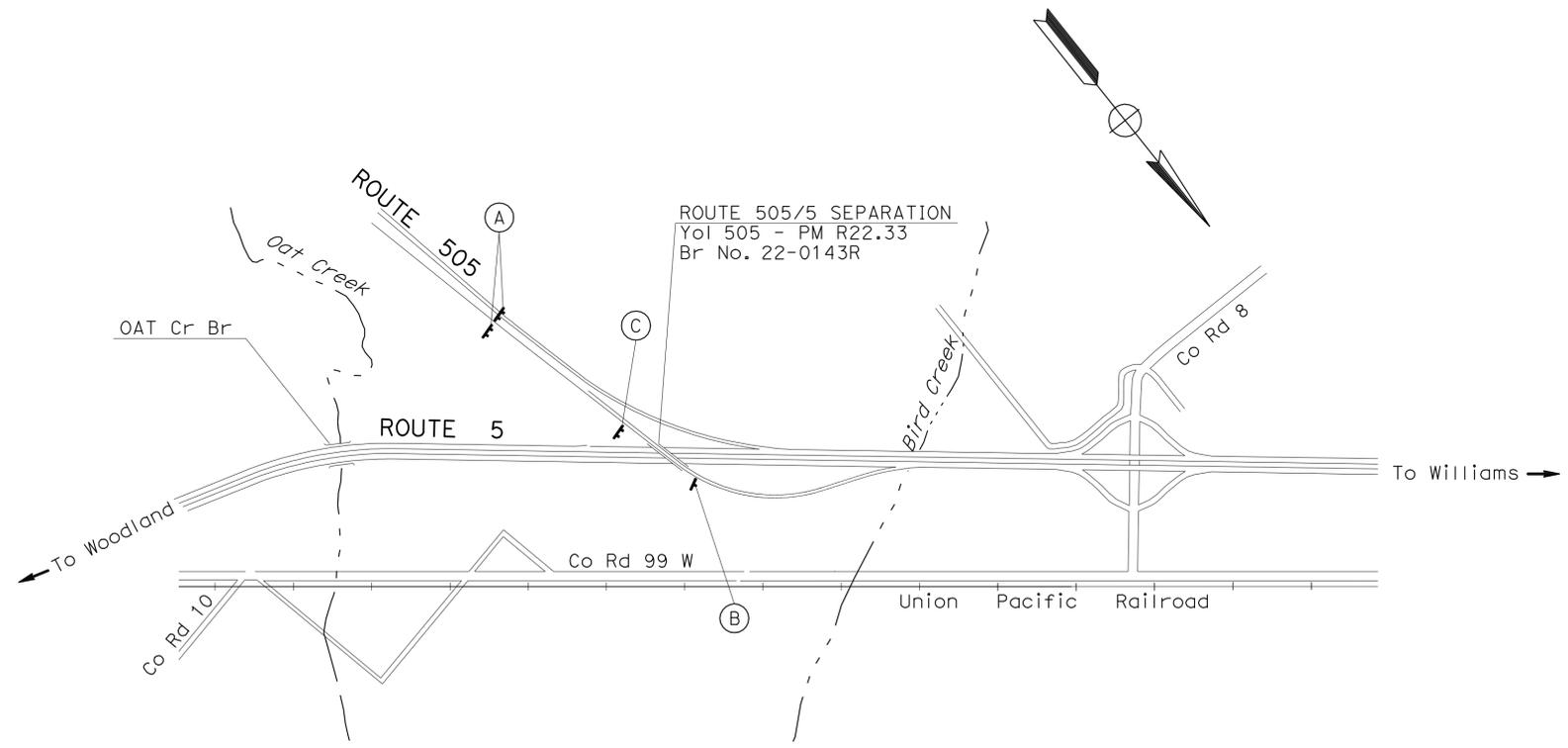
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yo1	5,16,20, 113,128,505	Var	8	22
 REGISTERED CIVIL ENGINEER			10-25-10	DATE	
PLANS APPROVAL DATE			11-1-10		
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 Caltrans®
 FUNCTIONAL SUPERVISOR: BRIAN D. TOEPFER
 CALCULATED/DESIGNED BY: ROBERT M. FLOYD II
 CHECKED BY: DAVID S. LAMB
 REVISED BY: DAVID S. LAMB
 DATE REVISED:



LOCATION 10
 APRICOT DRAW BRIDGE
 Yo1 128 - PM 7.70
 Br No. 22-0195



LOCATION 12
 ROUTE 505/5 SEPARATION
 Yo1 505 - PM R22.33
 Br No. 22-0143R

CONSTRUCTION AREA SIGNS
 NO SCALE
CS-6

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Col, Yol	5, 16, 20, 113, 128, 505	Var	9	22

10-25-10
 REGISTERED CIVIL ENGINEER DATE
 11-1-10
 PLANS APPROVAL DATE

DAVID S. LAMB
 No. C53386
 Exp. 6-30-11
 CIVIL
 STATE OF CALIFORNIA

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REMOVE PAVEMENT DELINEATION QUANTITIES

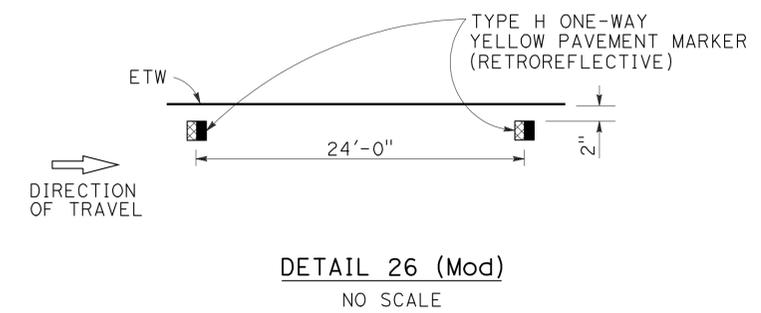
LOCATION	COUNTY	ROUTE	BRIDGE NUMBER	DESCRIPTION	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE THERMOPLASTIC PAVEMENT MARKING
					LF	LF	SQFT
1	Col	5	15-0060	GREENBAY ROAD OC	446	446	
2	Col	20	15-0024	NORTH WILLIAMS OH	1372	686	
3	Col	20	15-0078	ROUTE 20/5 SEPARATION	1136	568	
5	Yol	16	22-0151	ROUTE 16/5 SEPARATION	456	456	
6	Yol	113	22-0175	BLACKSMITH ROAD OC	500	57	
7	Yol	113	22-0123	HUTCHINSON ROAD OC	249		
8	Yol	113	22-0120	COUNTY ROAD 31 OC	214		15
9	Yol	113	22-0121	COUNTY ROAD 29 OC	500	500	
10	Yol	128	22-0195	APRICOT DRAW BRIDGE	297	297	
12	Yol	505	22-0143R	ROUTE 505/5 SEPARATION	500	400	
TOTAL					5670	3410	15

PAVEMENT DELINEATION QUANTITIES

LOCATION	COUNTY	ROUTE	BRIDGE NUMBER	DESCRIPTION	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36 - 12)	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17 - 7)	4" THERMOPLASTIC TRAFFIC STRIPE			6" THERMOPLASTIC TRAFFIC STRIPE	8" THERMOPLASTIC TRAFFIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	
					DETAIL 12	DETAIL 2	DETAIL 9	DETAIL 22	DETAIL 25	DETAIL 27B	DETAIL 39	DETAIL 38	TYPE IV ARROW
					LF	LF	LF	LF	LF	LF	LF	LF	LF
1	Col	5	15-0060	GREENBAY ROAD OC				464		464			
2	Col	20	15-0024	NORTH WILLIAMS OH				706		706			
3	Col	20	15-0078	ROUTE 20/5 SEPARATION				590		590			
4	Yol	16	22-0111	ROUTE 16/505 SEPARATION				540		540			
5	Yol	16	22-0151	ROUTE 16/5 SEPARATION				456		456			
6	Yol	113	22-0175	BLACKSMITH ROAD OC		234				468			
7	Yol	113	22-0123	HUTCHINSON ROAD OC			480				480		
8	Yol	113	22-0120	COUNTY ROAD 31 OC			432				432	90	15
9	Yol	113	22-0121	COUNTY ROAD 29 OC				520		520			
10	Yol	128	22-0195	APRICOT DRAW BRIDGE				262		262			
11	Yol	505	22-0115R	COTTONWOOD SLOUGH BRIDGE	85				85	85			
12	Yol	505	22-0143R	ROUTE 505/5 SEPARATION	344				344	344			
SUBTOTAL					429	234	912	3538	429	4435	912	90	15
TOTAL					429	234	912	3538	429	4435	912	90	15

PAVEMENT DELINEATION QUANTITIES

LOCATION	COUNTY	ROUTE	BRIDGE NUMBER	DESCRIPTION	DETAIL NUMBER	PAVEMENT MARKER (RETROREFLECTIVE)		
						TYPE D	TYPE G	TYPE H
						EA	EA	EA
1	Col	5	15-0060	GREENBAY ROAD OC	22	20		
2	Col	20	15-0024	NORTH WILLIAMS OH	22	30		
3	Col	20	15-0078	ROUTE 20/5 SEPARATION	22	26		
4	Yol	16	22-0111	ROUTE 16/505 SEPARATION	22	24		
5	Yol	16	22-0151	ROUTE 16/5 SEPARATION	22	22		
6	Yol	113	22-0175	BLACKSMITH ROAD OC	2	5		
7	Yol	113	22-0123	HUTCHINSON ROAD OC	9		6	
8	Yol	113	22-0120	COUNTY ROAD 31 OC	9, 26<Mod>, 38		15	19
9	Yol	113	22-0121	COUNTY ROAD 29 OC	22	24		
10	Yol	128	22-0195	APRICOT DRAW BRIDGE	22	12		
11	Yol	505	22-0115R	COTTONWOOD SLOUGH BRIDGE	12, 25		3	3
12	Yol	505	22-0143R	ROUTE 505/5 SEPARATION	12, 25		8	8
SUBTOTAL						163	32	30
TOTAL						163	32	30



PAVEMENT DELINEATION QUANTITIES PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 MAINTENANCE
 FUNCTIONAL SUPERVISOR: BRIAN D. TOEPPER
 CALCULATED/DESIGNED BY: ROBERT M. FLOYD II
 CHECKED BY: DAVID S. LAMB
 REVISED BY: DATE REVISION

LAST REVISION DATE PLOTTED => 26-OCT-2010
 00-00-00 TIME PLOTTED => 10:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yoi	5,16,20, 113,128,505	Var	10	22

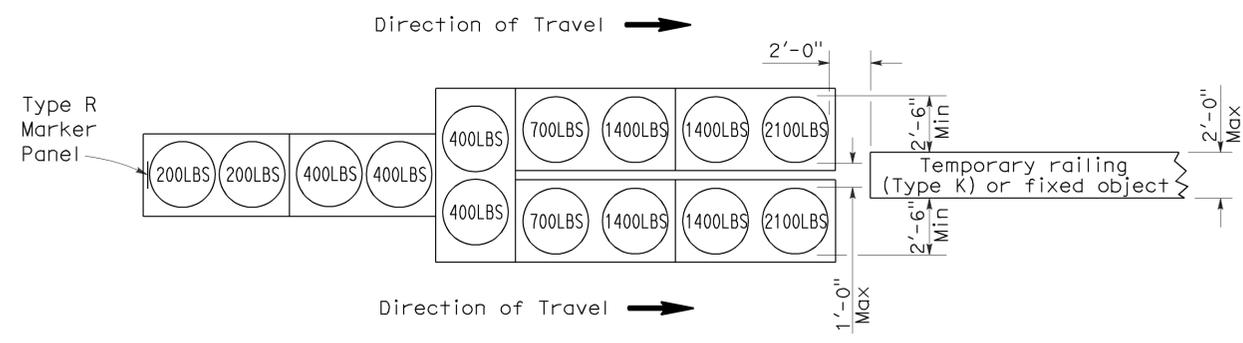
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

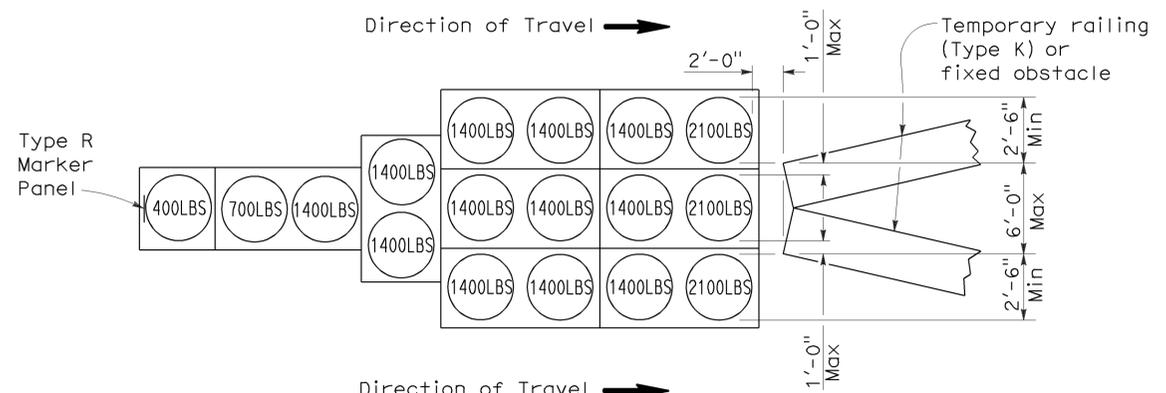
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To accompany plans dated 11-1-10



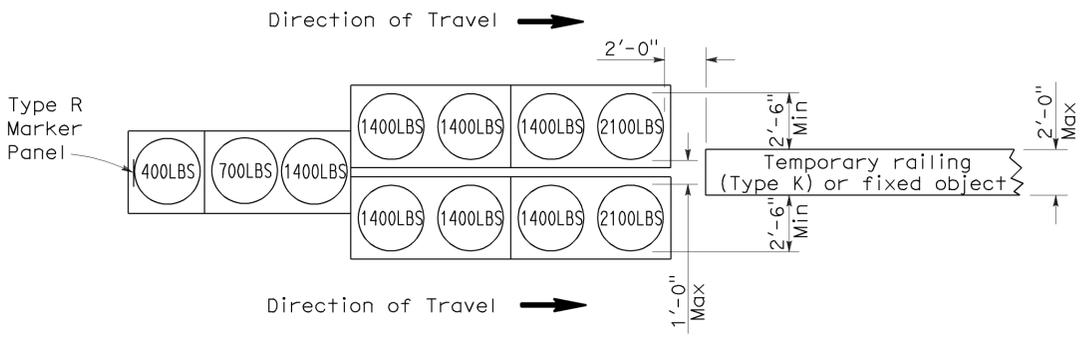
ARRAY 'TU14'

Approach speed 45 mph or more



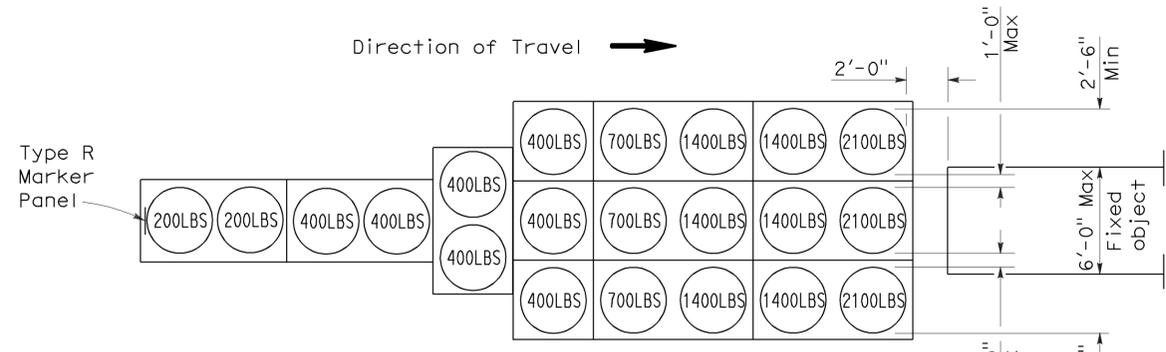
ARRAY 'TU17'

Approach speed less than 45 mph



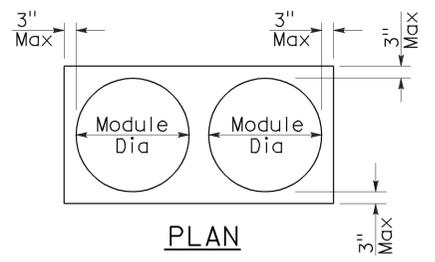
ARRAY 'TU11'

Approach speed less than 45 mph

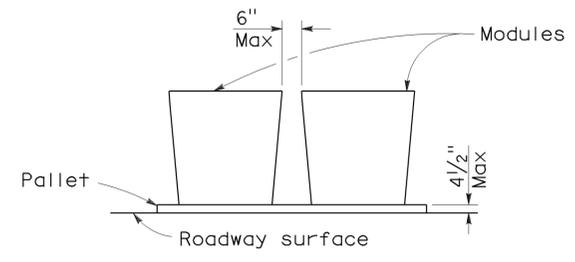


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

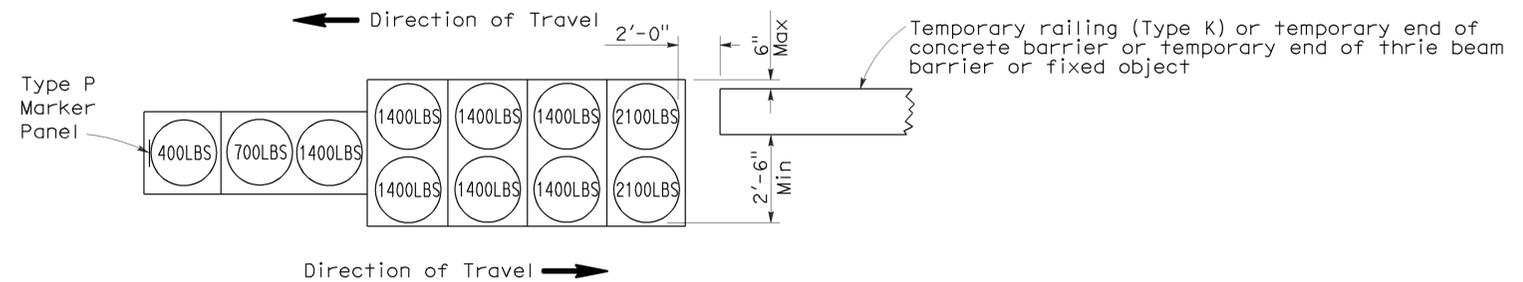
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20, 113,128,505	Var	11	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

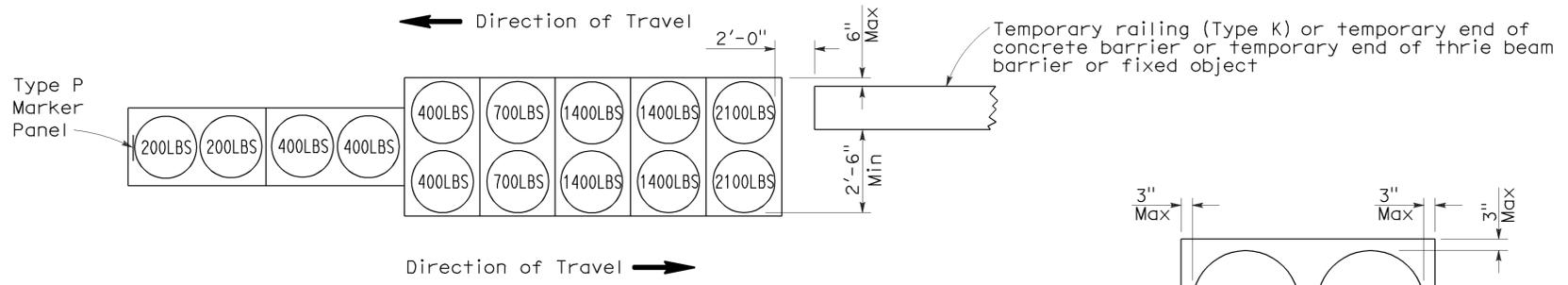
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 11-1-10



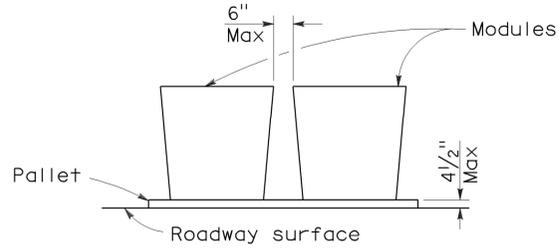
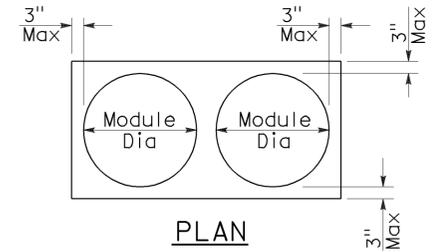
ARRAY 'TB11'

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

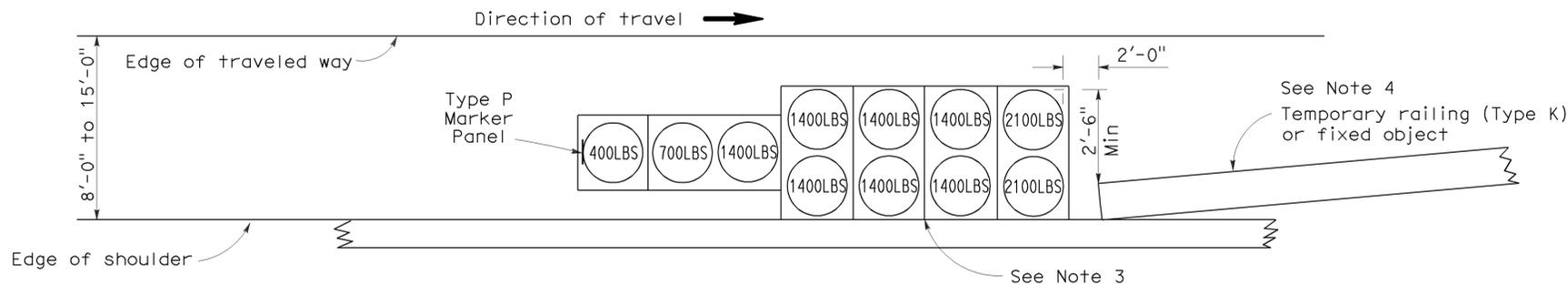
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20, 113,128,505	Var	12	22

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

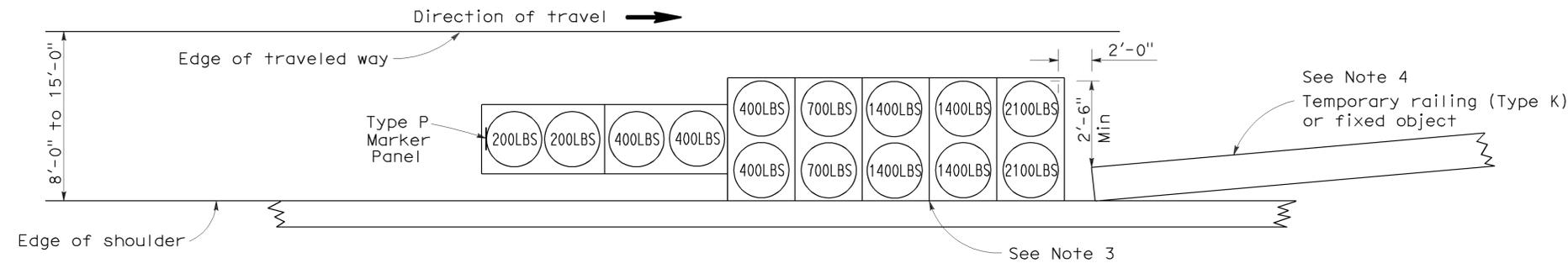
June 6, 2008
PLANS APPROVAL DATE

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.

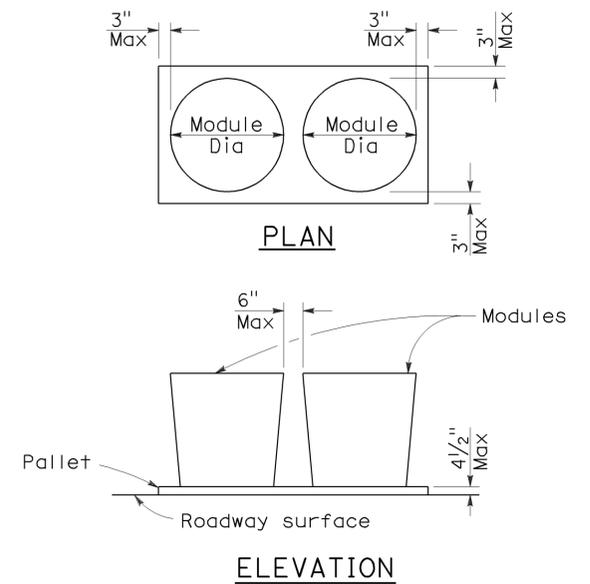
To accompany plans dated 11-1-10



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:

- (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

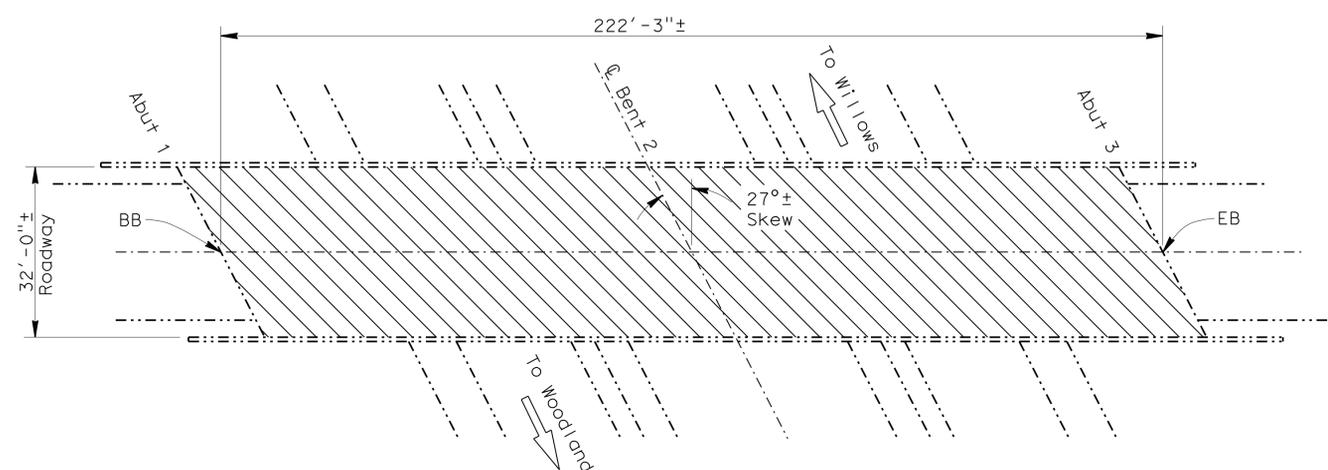
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yo	5,16,20 113,128,505	Var	13	22

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 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.

GREENBAY ROAD OC BR. NO. 15-0060

QUANTITIES

REMOVE UNSOUND CONCRETE	18	CF
CLEAN BRIDGE DECK	7,112	SQFT
RAPID SETTING CONCRETE (PATCH)	18	CF
TREAT BRIDGE DECK	7,112	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	79	GAL

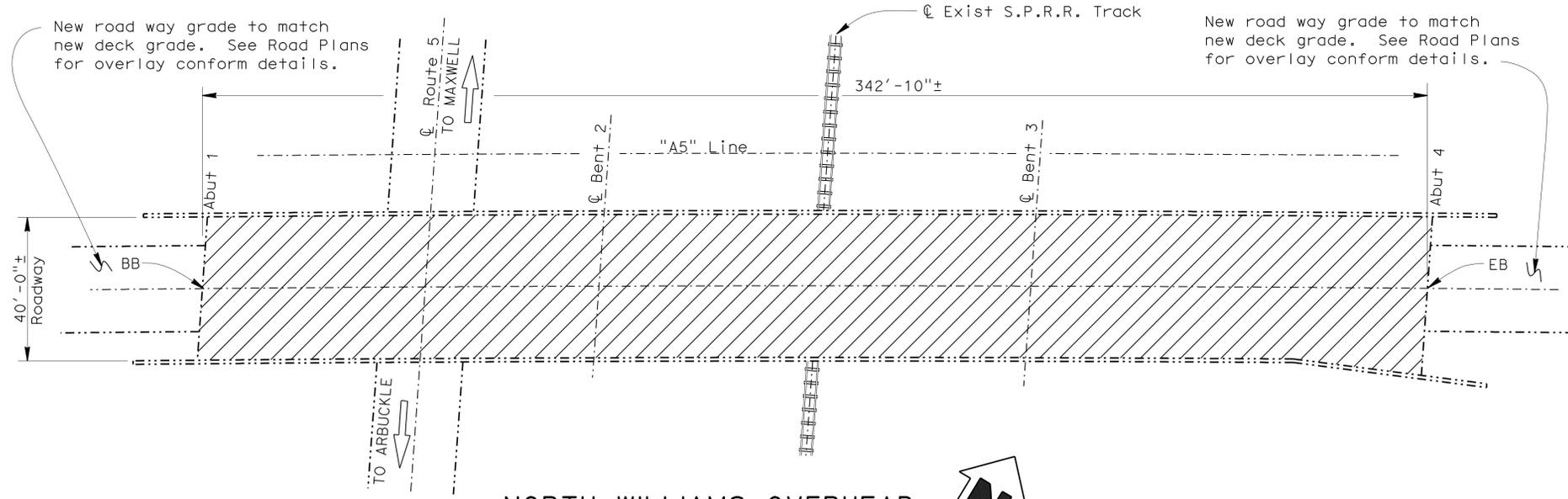


GREENBAY ROAD OVERCROSSING
BR NO. 15-0060, RTE 5, COL, PM R3.15
1"=20'

- Notes:
- Indicates existing structure.
 - Indicates limits of prepare concrete deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to placing polyester concrete overlay. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.
 - Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	GENERAL PLAN NO. 3
4	GENERAL PLAN NO. 4
5	GENERAL PLAN NO. 5
6	GENERAL PLAN NO. 6
7	GENERAL PLAN NO. 7
8	JOINT SEAL DETAILS
9	MISCELLANEOUS DETAILS
10	STRUCTURE APPROACH TYPE R(30D)



NORTH WILLIAMS OVERHEAD
BR NO. 15-0024, RTE 20, COL, PM R21.85
1"=20'

NORTH WILLIAMS OH BR. NO. 15-0024

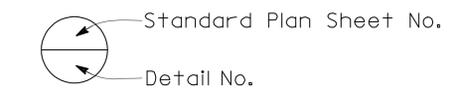
QUANTITIES

REMOVE UNSOUND CONCRETE	34	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	13,720	SQFT
RAPID SETTING CONCRETE (PATCH)	34	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,029	CF
PLACE POLYESTER CONCRETE OVERLAY	13,720	SQFT

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

STANDARD PLANS DATED JULY 2006

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



 DESIGN ENGINEER 7-08-10	DESIGN BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT BY Trung Lam	CHECKED Brian P. Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 5,16,20,113,,128,505 BRIDGES GENERAL PLAN NO. 1
	DETAILS BY Trung Lam	CHECKED Khanh Truong	SPECIFICATIONS BY Kimberly Mori	PLANS AND SPECIFICATIONS COMPARED DAVE Klein			POST MILE VARIES	
QUANTITIES BY Brian P. Nguyen	CHECKED Khanh Truong				CU 03	EA 3M7301	REVISION DATES	SHEET 1 OF 10

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DISREGARD PRINTS BEARING EARLIER REVISION DATES

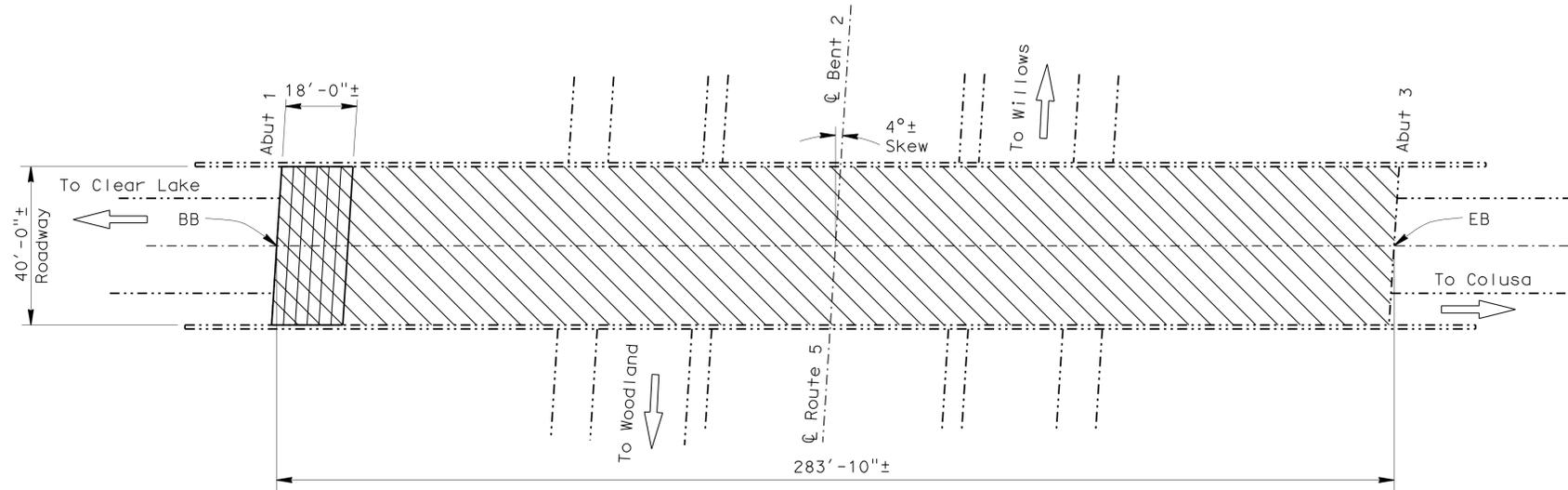
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DATE PLOTTED => 26-OCT-2010 TIME PLOTTED => 13:25 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, YoL	5,16,20 113,128,505	Var	14	22

7-08-10
 REGISTERED CIVIL ENGINEER DATE
 11-01-2010
 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
 BRIAN P. NGUYEN
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



ROUTE 20/5 SEPARATION

ROUTE 20/5 SEPARATION BR. NO. 15-0078

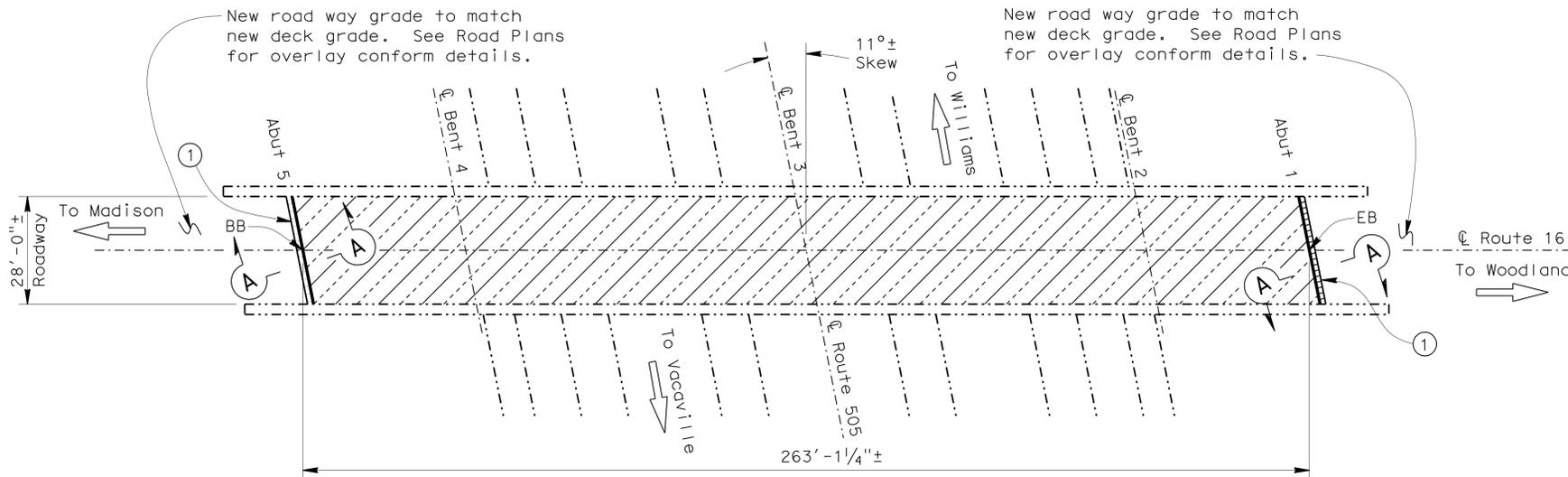
BR NO. 15-0078, RTE 20, COL, PM R22.09
1"=20'



QUANTITIES	
REMOVE ASPHALT CONCRETE SUFACING	720 SQFT
REMOVE UNSOUND CONCRETE	28 CF
CLEAN BRIDGE DECK	11,353 SQFT
RAPID SETTING CONCRETE (PATCH)	28 CF
TREAT BRIDGE DECK	11,353 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	126 GAL

Notes:

- Indicates existing structure.
- Indicates location of remove existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.
- ▨ Indicates limits of remove existing epoxy chip seal, prepare concrete deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to placing new polyester concrete overlay. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.
- ▨ Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.
- ▨ Indicates limits of remove existing AC wearing surface prior to methacrylate deck treatment.
- ① Indicates location of reconstruct abutment header. For details see "SECTION A-A" on MISCELLANEOUS DETAILS sheet.



ROUTE 16/505 SEPARATION

BR NO. 22-0111, RTE 16, YOL, PM 32.01
1"=20'



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

ROUTE 16/505 SEPARATION BR. NO. 22-0111

QUANTITIES	
REMOVE EPOXY CHIP SEAL	7,367 SQFT
REMOVE UNSOUND CONCRETE	19 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	7,367 SQFT
BRIDGE REMOVAL (PORTION)	LUMP SUM
STRUCTURAL CONCRETE, BRIDGE	6 CY
RAPID SETTING CONCRETE (PATCH)	19 CF
FURNISH POLYESTER CONCRETE OVERLAY	552 CF
PLACE POLYESTER CONCRETE OVERLAY	7,367 SQFT
JOINT SEAL (MR 1")	58 LF
BAR REINFORCING STEEL (BRIDGE)	330 LB

DESIGN BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT BY Trung Lam	CHECKED Brian P. Nguyen
DETAILS BY Trung Lam	CHECKED Khanh Truong	SPECIFICATIONS BY Kimberly Mori	PLANS AND SPECIFICATIONS COMPARED Dave Klein
QUANTITIES BY Brian P. Nguyen	CHECKED Khanh Truong		

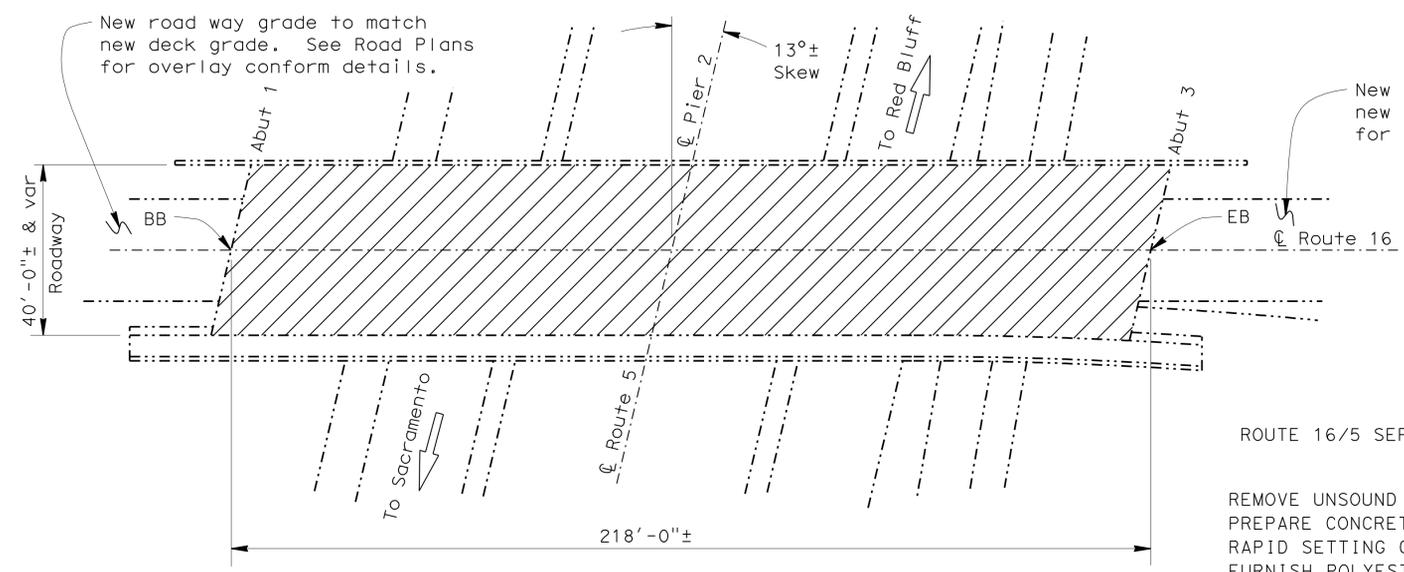
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES
ROUTES 5, 16, 20, 113, 128, 505 BRIDGES
GENERAL PLAN NO. 2

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 2 OF 10
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20 113,128,505	Var	15	22

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 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.

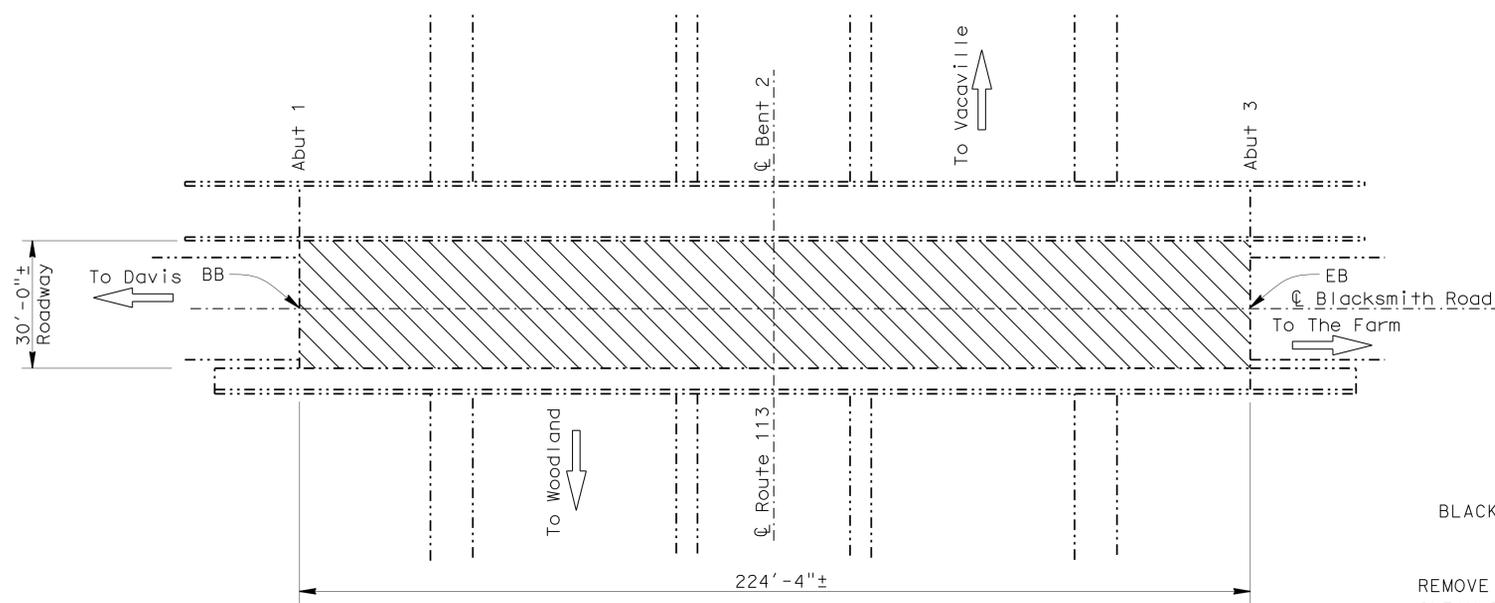


ROUTE 16/5 SEPARATION
BR NO. 22-0151, RTE 16, YOL, PM R43.42
1"=20'

ROUTE 16/5 SEPARATION BR. NO. 22-0151

QUANTITIES	
REMOVE UNSOUND CONCRETE	22 CF
PREPARE CONCRETE BRIDGE DECK SURFACE	8,720 SQFT
RAPID SETTING CONCRETE (PATCH)	22 CF
FURNISH POLYESTER CONCRETE OVERLAY	654 CF
PLACE POLYESTER CONCRETE OVERLAY	8,720 SQFT

- Notes:
- Indicates existing structure.
 - Indicates limits of prepare concrete deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to placing new polyester concrete overlay. For details, see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.
 - Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details, see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.



BLACKSMITH ROAD OVERCROSSING
BR NO. 22-0175, RTE 113, YOL, PM R0.08
1"=20'

BLACKSMITH ROAD OC BR. NO. 22-0175

QUANTITIES	
REMOVE UNSOUND CONCRETE	17 CF
CLEAN BRIDGE DECK	6,730 SQFT
RAPID SETTING CONCRETE (PATCH)	17 CF
TREAT BRIDGE DECK	6,730 SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	75 GAL
PUBLIC SAFETY PLAN	LUMP SUM

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

<i>Michael J. Lee</i> DESIGN ENGINEER	DESIGN BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT BY Trung Lam	CHECKED Brian P. Nguyen
	DETAILS BY Trung Lam	CHECKED Khanh Truong		PLANS AND SPECIFICATIONS COMPARED Dave Klein
	QUANTITIES BY Brian P. Nguyen	CHECKED Khanh Truong		SPECIFICATIONS BY Kimberly Mori

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

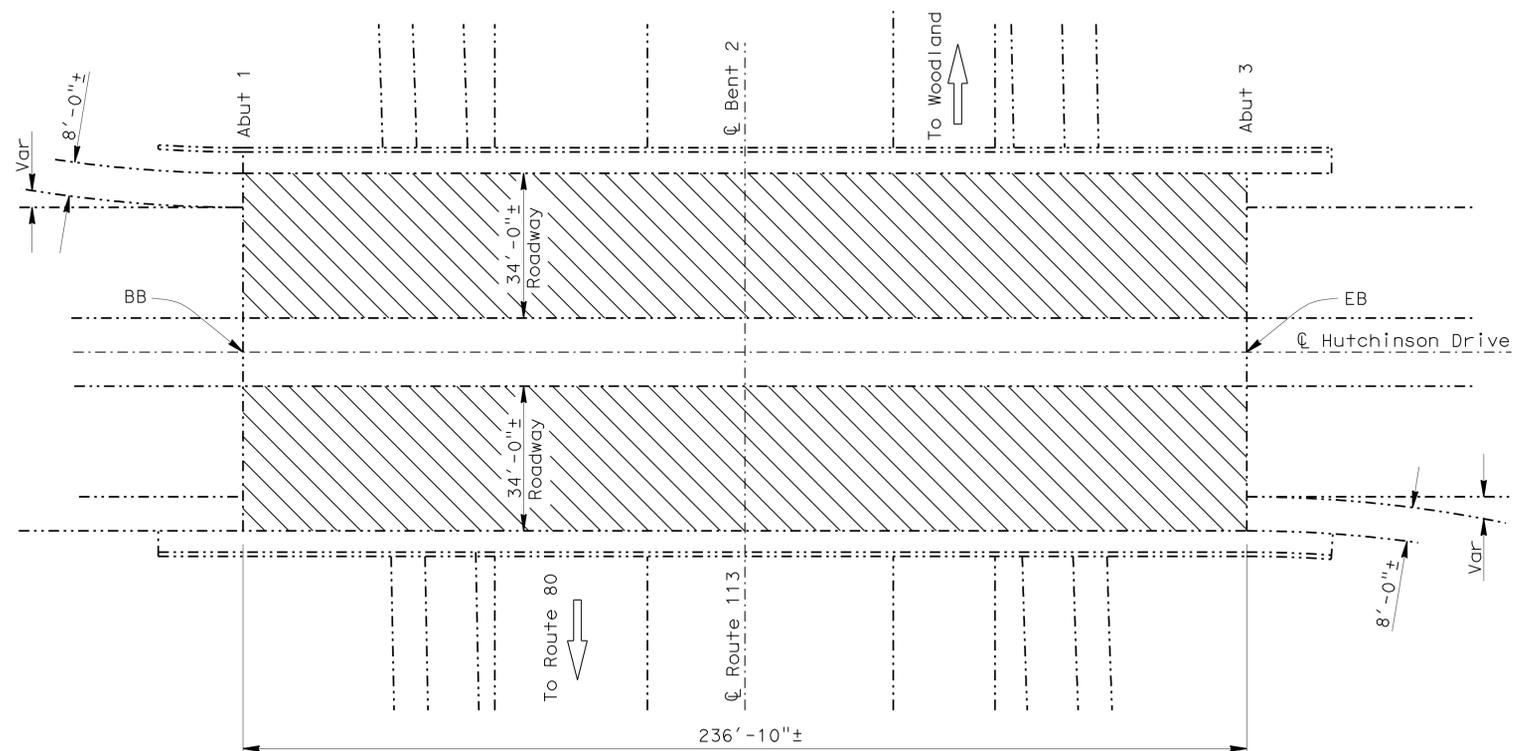
BRIDGE NO. VARIOUS	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES
POST MILE VARIES	
GENERAL PLAN NO. 3	

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	10-29-09 01-13-10 6-29-10 7-08-10 10-26-10	SHEET 3 OF 10
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20 113,128,505	Var	16	22

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 REGISTERED PROFESSIONAL ENGINEER
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

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



HUTCHINSON DRIVE OVERCROSSING

BR NO. 22-0123, RTE 113, YOL, PM R0.42
1"=20'



HUTCHINSON DRIVE OC		BR. NO. 22-0123	
REMOVE UNSOUND CONCRETE	QUANTITIES	40	CF
CLEAN BRIDGE DECK		16,100	SQFT
RAPID SETTING CONCRETE (PATCH)		40	CF
TREAT BRIDGE DECK		16,100	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL		179	GAL
PUBLIC SAFETY PLAN		LUMP	SUM

COUNTY ROAD 31 OVERCROSSING

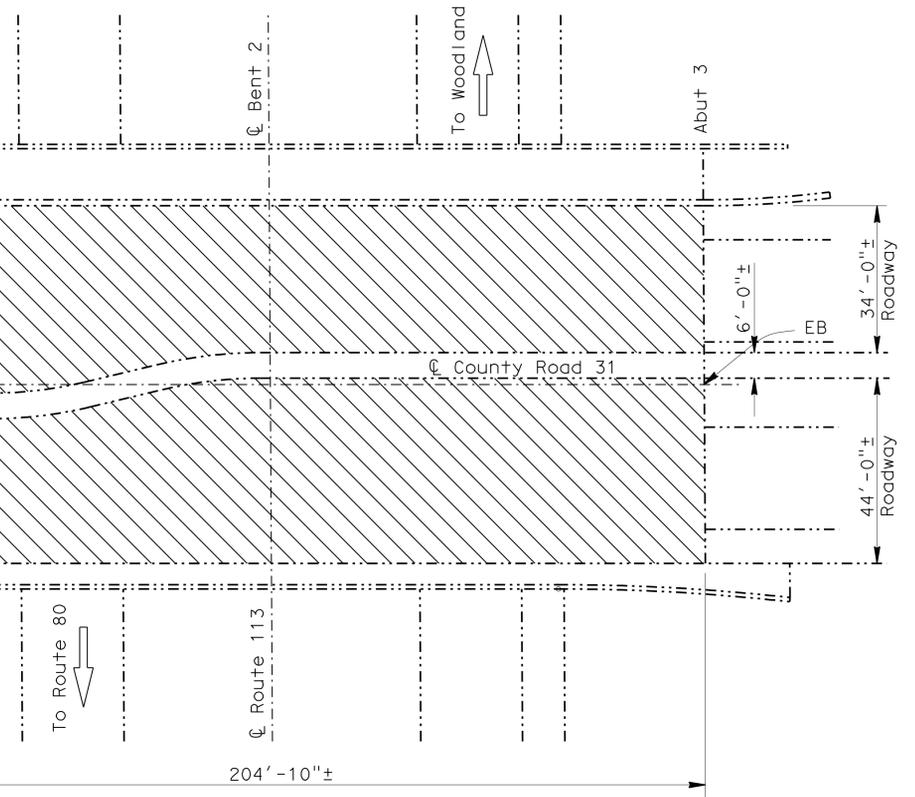
BR NO. 22-0120, RTE 113, YOL, PM R2.08
1"=20'



COUNTY ROAD 31 OC		BR. NO. 22-0120	
REMOVE UNSOUND CONCRETE	QUANTITIES	40	CF
CLEAN BRIDGE DECK		16,000	SQFT
RAPID SETTING CONCRETE (PATCH)		40	CF
TREAT BRIDGE DECK		16,000	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL		178	GAL
PUBLIC SAFETY PLAN		LUMP	SUM

COUNTY ROAD 31 OVERCROSSING

BR NO. 22-0120, RTE 113, YOL, PM R2.08
1"=20'

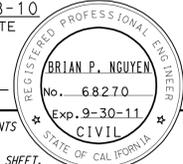


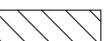
Notes:

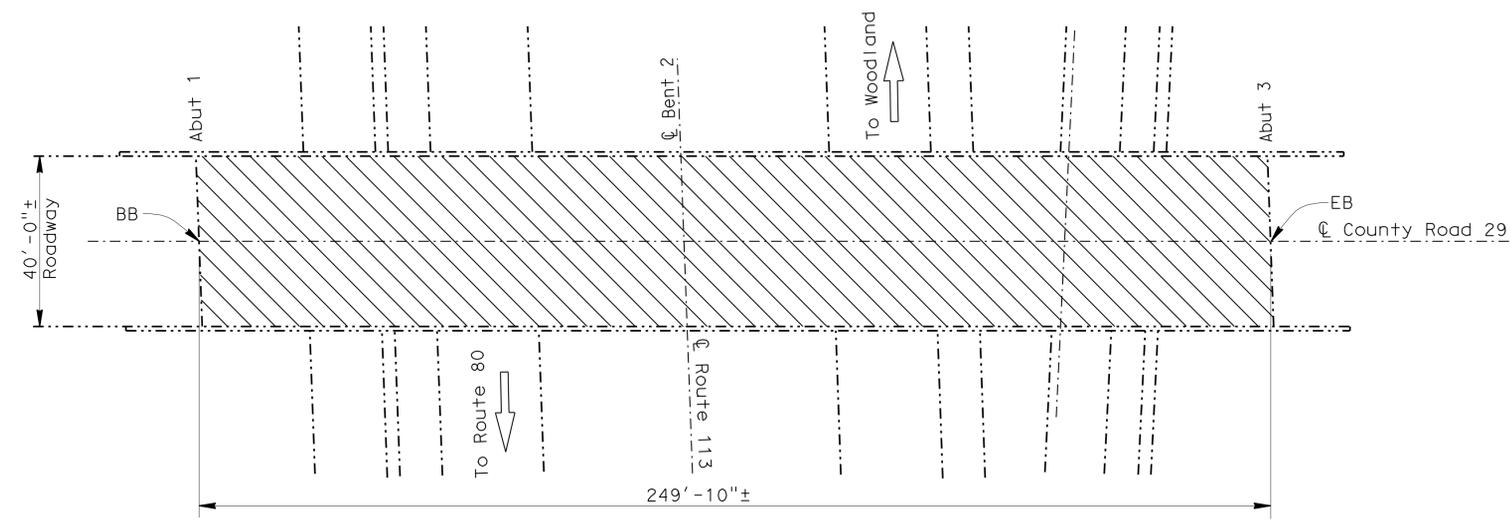
- Indicates existing structure.
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.

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

 DESIGN ENGINEER 7-08-10	DESIGN	BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT	BY Trung Lam	CHECKED Brian P. Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES GENERAL PLAN NO. 4	
	DETAILS	BY Trung Lam	CHECKED Khanh Truong		SPECIFICATIONS	BY Kimberly Mori			CHECKED Dave Klein	POST MILE		VARIES
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)												
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS							0 1 2 3	CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES 10-28-09 01-13-10 6-24-10 7-08-10 10-26-10	SHEET 4 OF 10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20 113,128,505	Var	17	22
 REGISTERED CIVIL ENGINEER			7-08-10	DATE	
11-01-2010 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 structure.
 -  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.



COUNTY ROAD 29 OVERCROSSING
 BR NO. 22-0121, RTE 113, YOL, PM R4.10
 1"=20'



COUNTY ROAD 29 OC BR. NO. 22-0121
 QUANTITIES

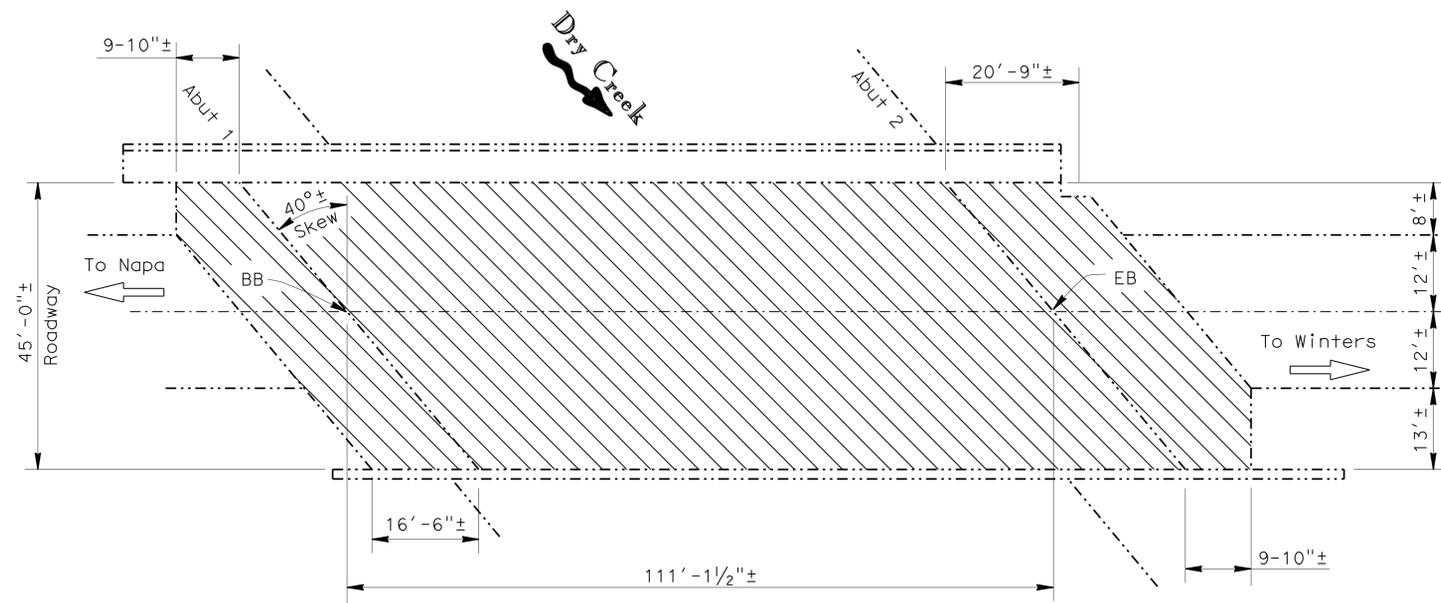
REMOVE UNSOUND CONCRETE	25	CF
CLEAN BRIDGE DECK	9,990	SQFT
RAPID SETTING CONCRETE (PATCH)	25	CF
TREAT BRIDGE DECK	9,990	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	111	GAL

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

 DESIGN ENGINEER	DESIGN	BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT	BY Trung Lam	CHECKED Brian P. Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTES 5,16,20,113,128,505 BRIDGES		
	DETAILS	BY Trung Lam	CHECKED Khanh Truong		BY Kimberly Mori	PLANS AND SPECIFICATIONS COMPARED			DAVE KLEIN		VARIOUS	
QUANTITIES	BY Brian P. Nguyen	CHECKED Khanh Truong	SPECIFICATIONS	BY Kimberly Mori	PLANS AND SPECIFICATIONS COMPARED	DAVE KLEIN	GENERAL PLAN NO. 5	VARIES				
STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 10-29-09 11-13-10 6-28-10 7-08-10 10-26-10	SHEET 5 OF 10

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20 113,128,505	Var	18	22

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 REGISTERED PROFESSIONAL ENGINEER
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



APRICOT DRAW
 BR NO. 22-0195, RTE 128, YOL, PM 7.70
 1"=15'

APRICOT DRAW BR. NO. 22-0195

QUANTITIES

REMOVE UNSOUND CONCRETE	17	CF
CLEAN BRIDGE DECK	6,580	SQFT
RAPID SETTING CONCRETE (PATCH)	17	CF
TREAT BRIDGE DECK	6,580	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	73	GAL
PUBLIC SAFETY PLAN		LUMP SUM

Notes:

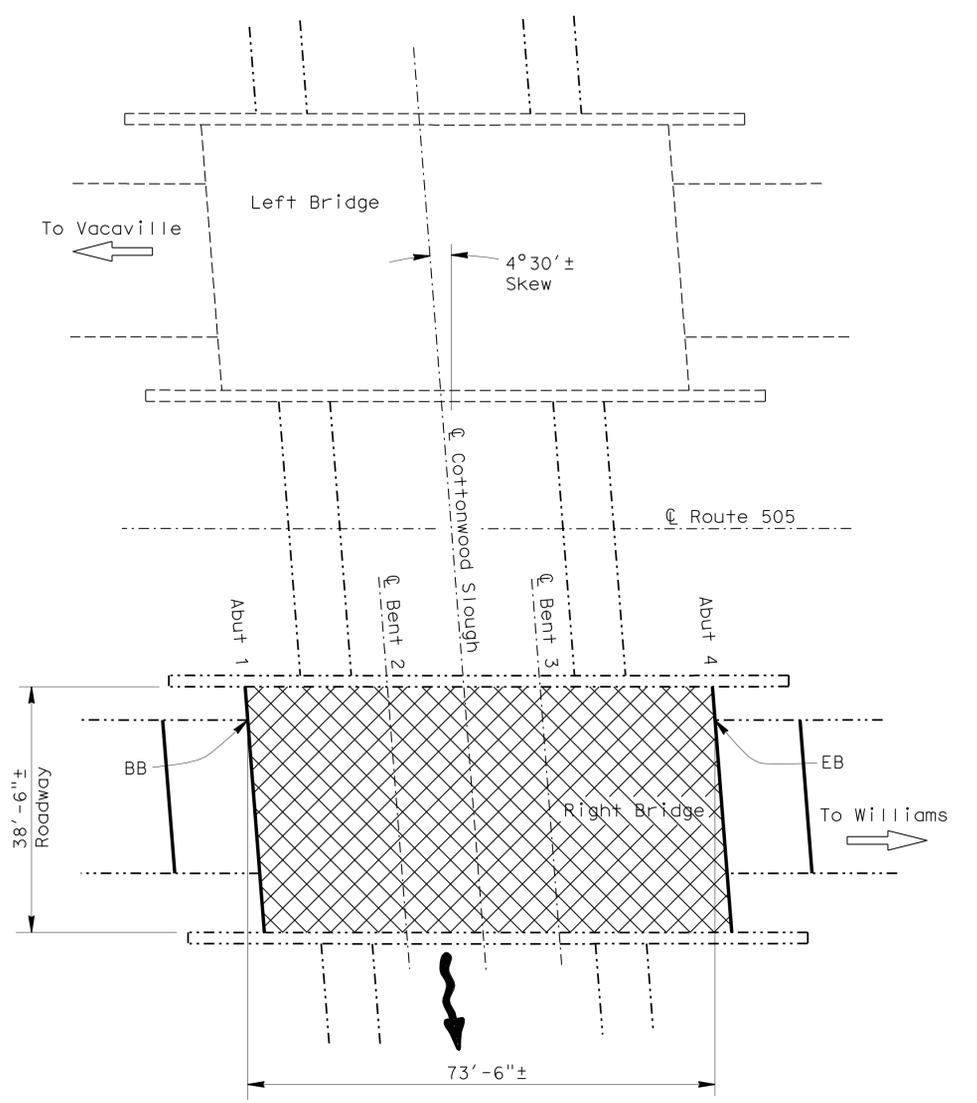
- Indicates existing structure.
- Indicates location of remove existing joint seal and place new joint seal. For details see JOINT SEAL DETAILS sheet.
- Indicates limits of remove 3/4" existing concrete deck surface, prepare concrete deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Remove unsound concrete and patch with rapid setting concrete prior to placing new polyester concrete overlay. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate. Remove unsound concrete and patch with rapid setting concrete prior to bridge deck treatment. For details see "DECK REPAIR DETAIL" on MISCELLANEOUS DETAILS sheet.

NOTE:
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COTTONWOOD SLOUGH BR. NO. 22-0115R

QUANTITIES

REMOVE CONCRETE DECK SURFACE	2,830	SQFT
REMOVE UNSOUND CONCRETE	7	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	2,830	SQFT
CLEAN EXPANSION JOINT	126	LF
RAPID SETTING CONCRETE (PATCH)	7	CF
FURNISH POLYESTER CONCRETE OVERLAY	212	CF
PLACE POLYESTER CONCRETE OVERLAY	2,830	SQFT
JOINT SEAL (MR 1/2")	126	LF



COTTONWOOD SLOUGH
 BR NO. 22-0115R, RTE 505, YOL, PM 9.66
 1"=15'

 DESIGN ENGINEER 7-08-10	DESIGN BY Brian P. Nguyen	CHECKED Khanh Truong	LAYOUT BY Trung Lam	CHECKED Brian P. Nguyen	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES GENERAL PLAN NO. 6
	DETAILS BY Trung Lam	CHECKED Khanh Truong	SPECIFICATIONS BY Kimberly Mori	PLANS AND SPECIFICATIONS COMPARED DAVE KLEIN			POST MILE VARIES	
QUANTITIES BY Brian P. Nguyen	CHECKED Khanh Truong				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03 EA 3M7301	REVISION DATES	SHEET 6 OF 10

DATE PLOTTED => 26-OCT-2010 TIME PLOTTED => 13:25 USERNAME => TLM

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yol	5,16,20 113,128,505	Var	20	22

REGISTERED CIVIL ENGINEER *Brian P. Nguyen* DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 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
 BRIAN P. NGUYEN
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA

JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (inches)	APPROXIMATE LENGTH (feet)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (inches)	APPROXIMATE DEPTH OF JOINT SPALLS (inches)	APPROXIMATE WIDTH OF JOINT SPALLS (inches)	APPROXIMATE LENGTH OF JOINT SPALLS (feet)
ROUTE 16/505 SEPARATION	22-0111	Abut 1 BW	1	29.0	No	10	3	6	5
		Abut 5 BW	1	29.0	No	10	3	6	5
COTTONWOOD SLOUGH	22-0115R	Abut 1 BB	1/2	38.9	No	12	3	6	5
		Abut1/Appr C	1/2	24.3	No	12	3	6	5
		Abut 4 EB	1/2	38.9	No	12	3	6	5
		Abut4/Appr C	1/2	24.3	No	12	3	6	5
ROUTE 505/5 SEPARATION	22-0143R	Abut 1 BB	1 1/2	65.6	No	12	3	6	5
		Abut 5 EB	1 1/2	65.6	No	12	3	6	5

The following note applies to JOINT SEAL TYPE A:

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

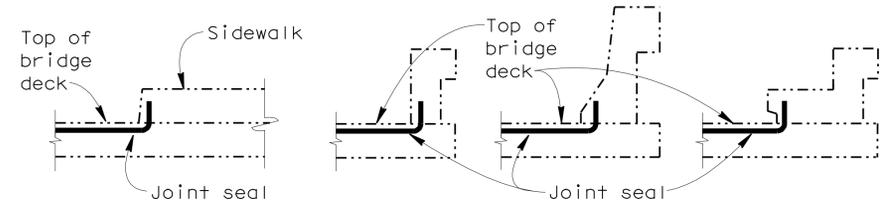
The following notes apply to JOINT SEAL TYPE B:

- 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 

DECK REPAIR TABLE

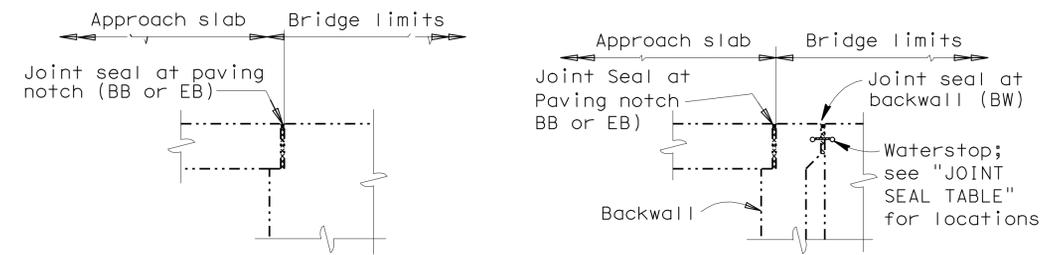
REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (percent)	APPROXIMATE DEPTH (inches)
GREENBAY ROAD OC	15-0060	1	3
NORTH WILLIAMS OH	15-0024	1	3
ROUTE 20/5 SEPARATION	15-0078	1	3
ROUTE 16/505 SEPARATION	22-0111	1	3
ROUTE 16/5 SEPARATION	22-0151	1	3
BLACKSMITH ROAD OC	22-0175	1	3
HUTCHINSON DRIVE OC	22-0123	1	3
COUNTY ROAD 31 OC	22-0120	1	3
COUNTY ROAD 29 OC	22-0121	1	3
APRICOT DRAW	22-0195	1	3
COTTONWOOD SLOUGH	22-0115R	1	3
ROUTE 505/5 SEPARATION	22-0143R	1	3

LEGEND: BW = Backwall
 BB = Paving Notch at beginning of bridge
 EB = Paving Notch at end of bridge
 C = Centerline End of Approach

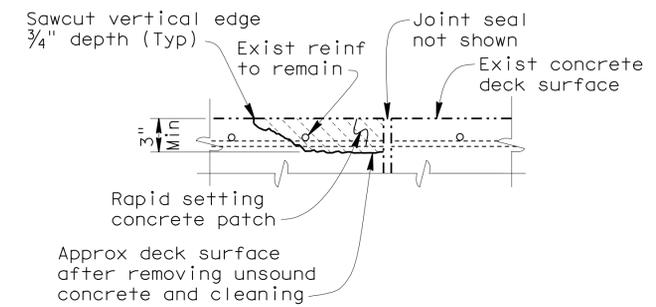


JOINT SEAL AT LOW SIDE OF DECK

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



JOINT SEAL LOCATION



JOINT SPALL REPAIR DETAIL

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

NOTE:
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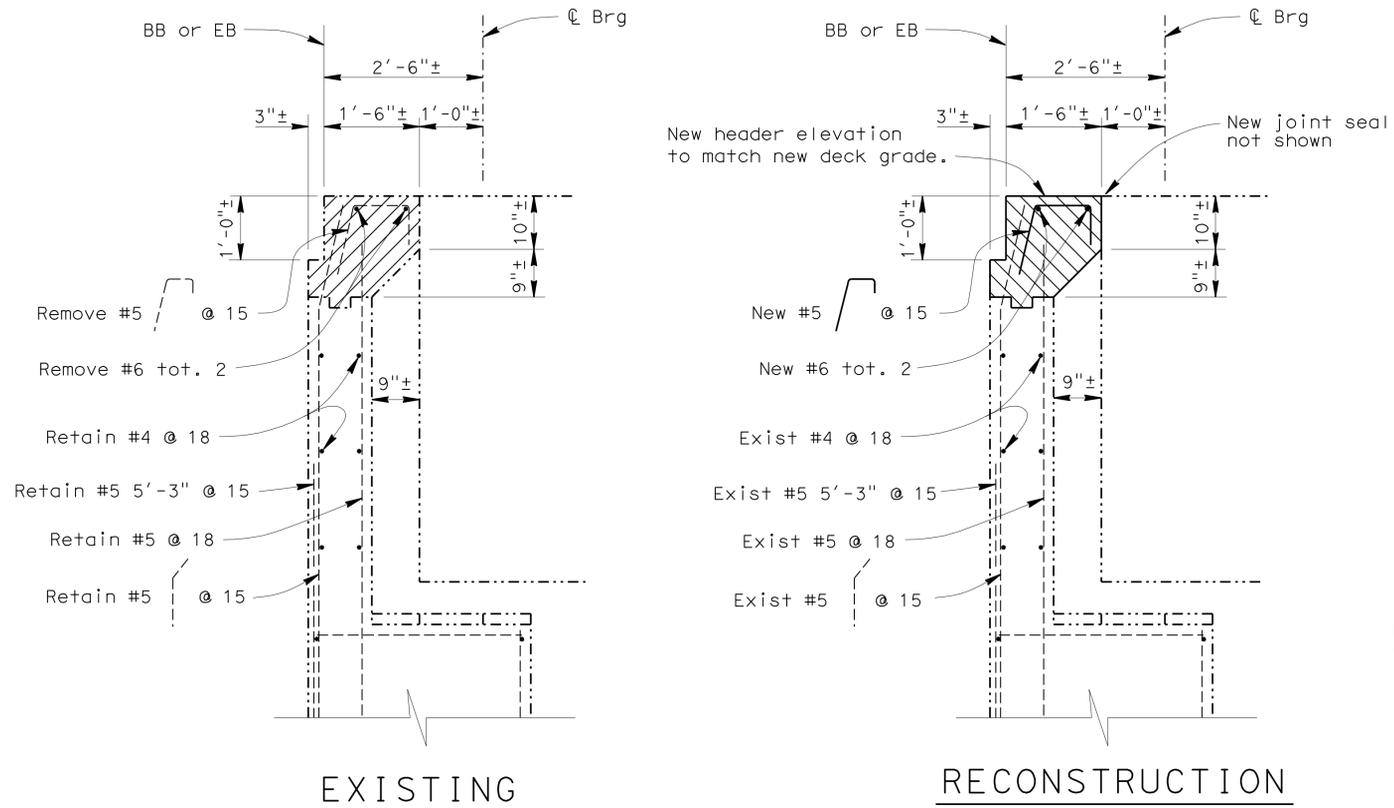
DESIGN	BY Brian P. Nguyen	CHECKED Khanh Truong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES			
	DETAILS	BY Trung Lam			CHECKED Khanh Truong			POST MILE	VARIES	JOINT SEAL DETAILS
	QUANTITIES	BY Brian P. Nguyen			CHECKED Khanh Truong			VARIES		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 CU 03 EA 3M7301
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 10-29-09, 11-13-10, 6-29-10, 7-08-10, 10-26-10
 SHEET 8 OF 10

DATE PLOTTED => 26-OCT-2010 TIME PLOTTED => 13:26 USERNAME => tlgm

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yo	5,16,20 113,128,505	Var	21	22

REGISTERED CIVIL ENGINEER **Brian P. Nguyen** DATE 7-08-10
 PLANS APPROVAL DATE 11-01-2010
 No. 68270
 Exp. 9-30-11
 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.



SECTION A-A
BR NO. 22-0111
3/4"=1'

- Notes:**
- Indicates existing structure.
 - [Hatched Box] Indicates limits of remove existing concrete and joint seal. Retain existing reinforcing steel (except where shown otherwise).
 - [Hatched Box] Indicates limits of place new concrete.

GENERAL NOTES
LOAD FACTOR DESIGN

DESIGN: BRIDGE DESIGN SPECIFICATIONS (1996 AASHTO with Interims and Revisions by CALTRANS)

DEAD LOAD: Includes 35 psi for future wearing surface.

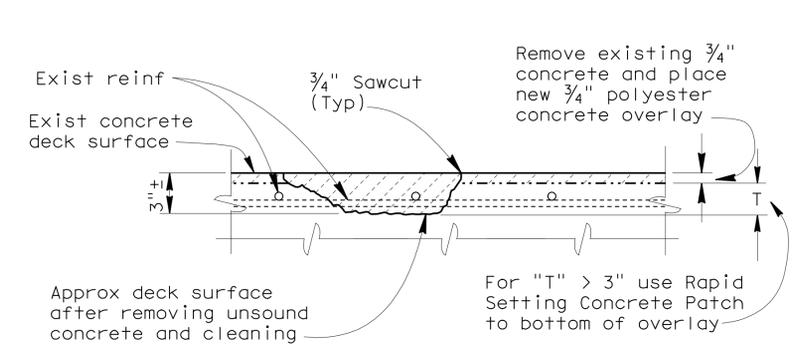
LIVE LOADING: HS20-44 and alternative and permit design load.

REINFORCED CONCRETE: $f_y = 60,000$ psi
 $f'_c = 3,600$ psi
 $n = 9$

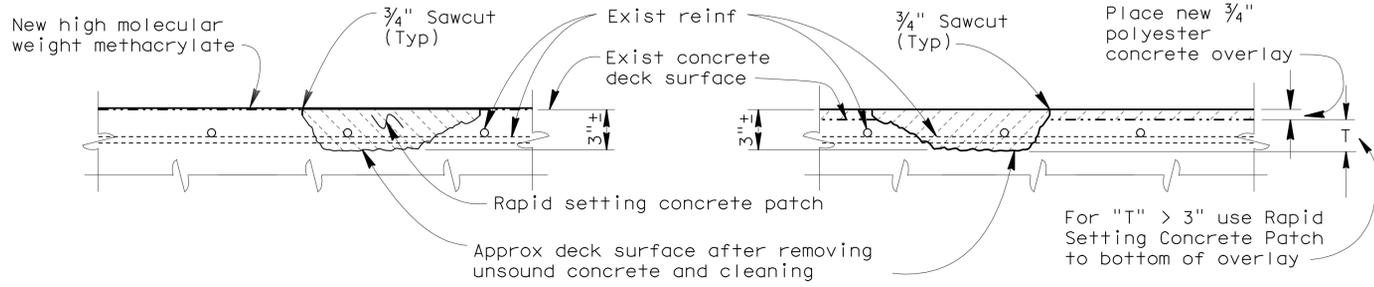
TEMPORARY DECKING
DESIGN LOADING

MOMENT DEMAND/FOOT (kip-ft/ft)	ANCHOR BOLT SHEAR/FOOT (kip/ft)	ANCHOR BOLT TENSION (kip)
6.0	3.9	4.6

Plate deflection shall not exceed $s/300$ ($s = \text{span of plate}$). Maximum anchor bolt spacing = 0'-9".



POLYESTER CONCRETE OVERLAY
Bridge No. 22-115R only



TREAT DECK **POLYESTER CONCRETE OVERLAY**
DECK REPAIR DETAIL

Reinforcement may be encountered during deck concrete removal.
NO SCALE

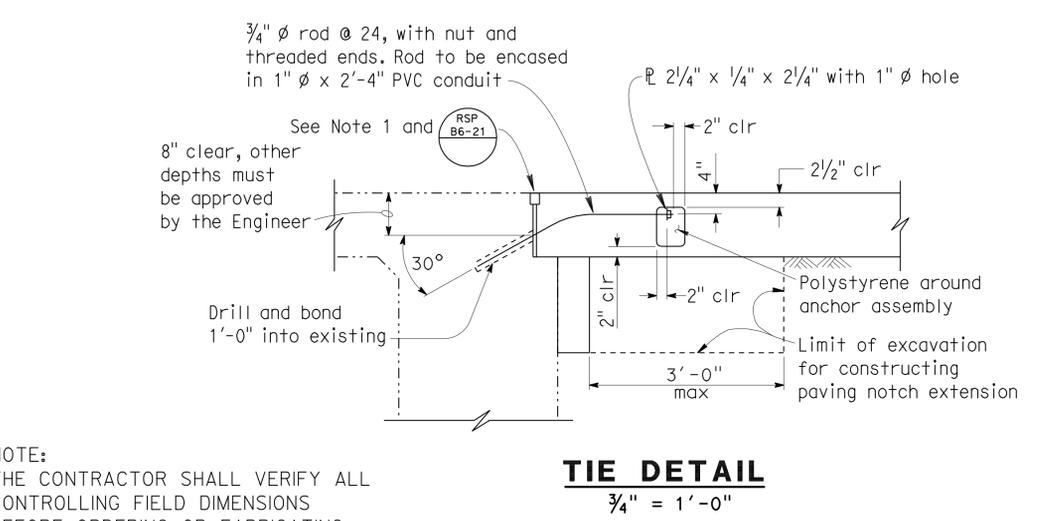
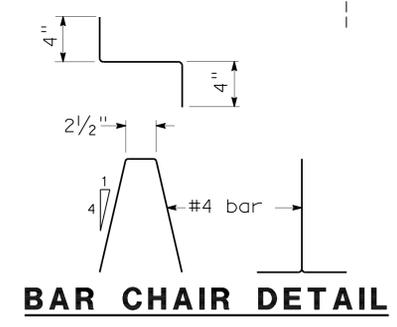
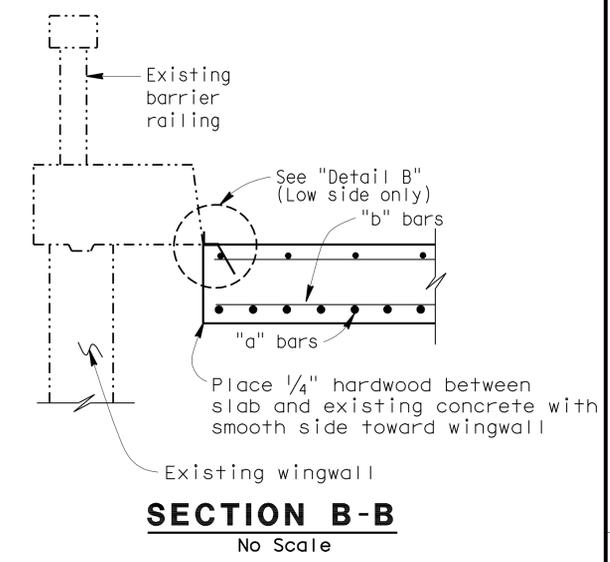
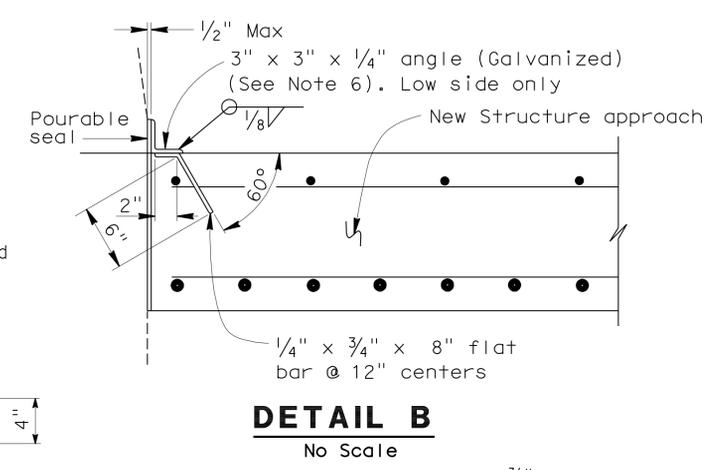
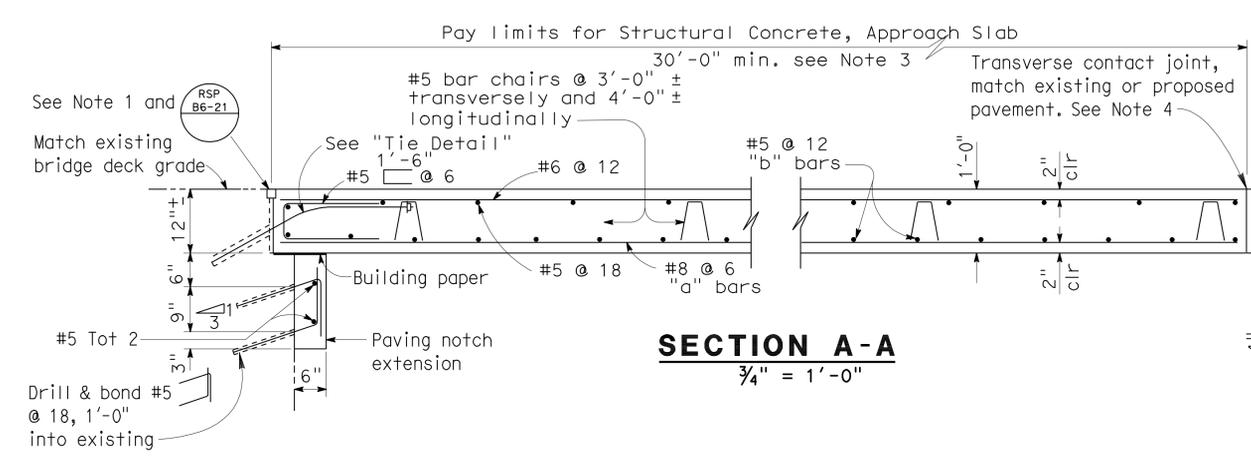
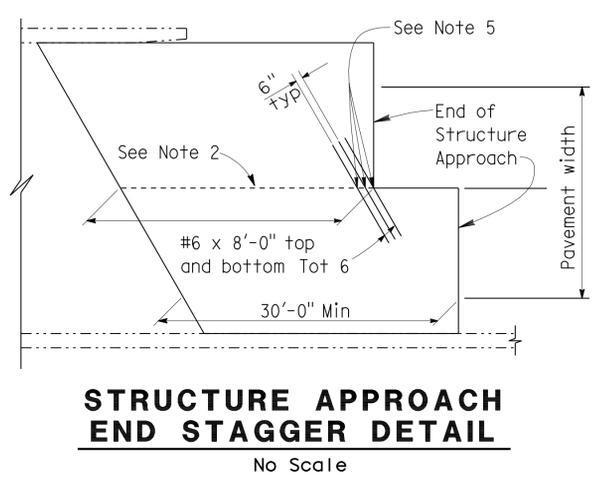
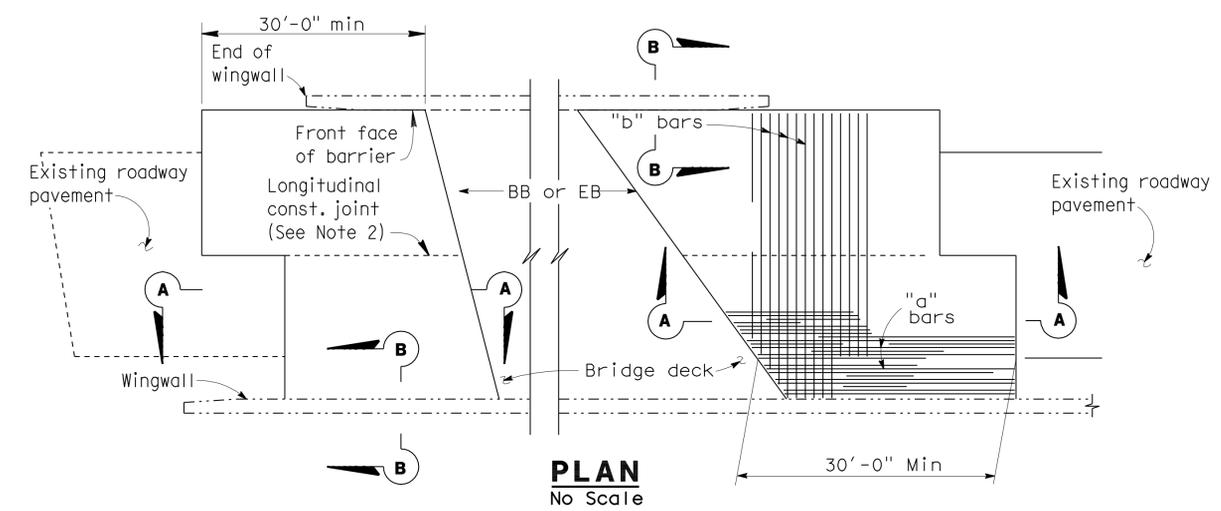
NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STRUCTURES MAINTENANCE GENERAL PLAN & DETAIL SHEET (ENGLISH) (REV. 10/17/07)	DESIGN	BY Brian P Nguyen	CHECKED Khanh Truong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTES 5,16,20,113,128,505 BRIDGES				
	DETAILS	BY Trung Lam	CHECKED Khanh Truong			POST MILE			VARIES	MISCELLANEOUS DETAILS		
	QUANTITIES	BY Brian P Nguyen	CHECKED Khanh Truong			REVISION DATES						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	10-28-09	11-13-10	6-28-10	7-08-10	10-26-10	SHEET 9 OF 10

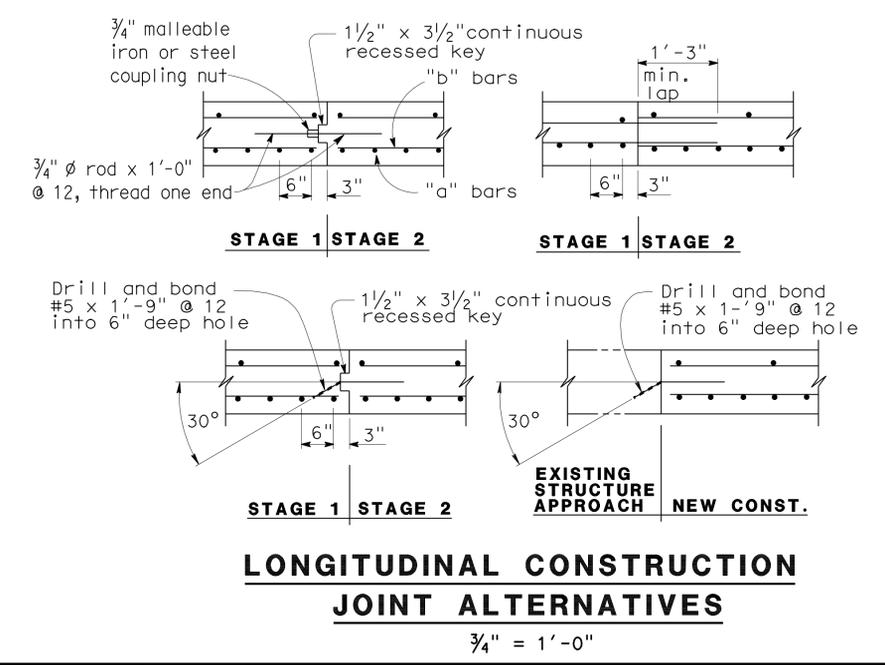
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Col, Yo	5,16,20 113,128,505	Var	22	22

7-08-10
 REGISTERED CIVIL ENGINEER DATE
 11-01-2010
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 BRIAN P. NGUYEN
 No. 68270
 Exp. 9-30-11
 CIVIL
 STATE OF CALIFORNIA



- NOTES:**
- For details not shown or noted, see Structure Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
 - 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 existing PCC paving, refer to Standard Plan P10.
 - Couplers are required for stage construction.
 - End angle at end of wingwall.



NOTE:
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DESIGN	BY	Brian P Nguyen	CHECKED	Khanh Truong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTES 5, 16, 20, 113, 128, 505 BRIDGES		
	DETAILS	BY	Trung Lam	CHECKED			Khanh Truong	POST MILE		VARIES	STRUCTURE APPROACH TYPE R(30D)
	QUANTITIES	BY	Brian P Nguyen	CHECKED			Khanh Truong	REVISION DATES		10-28-09, 01-13-10, 6-28-10, 7-08-10, 10-26-10	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						CU 03 EA 3M7301	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET 10 OF 10		

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

FILE => 03-3m7301_10_struct_appr_r30d.dgn

DATE PLOTTED => 26-OCT-2010 TIME PLOTTED => 13:26 USERNAME => TLM