

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	14	25

REGISTERED CIVIL ENGINEER *Peter B. Kang* 11-17-11
 DATE
 3-19-12
 PLANS APPROVAL DATE

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

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1

INDEX TO PLANS

SHEET NO.	TITLE
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8	GENERAL PLAN NO. 8
9	GENERAL PLAN NO. 9
10	GENERAL PLAN NO. 10
11	JOINT SEAL DETAILS NO. 1
12	JOINT SEAL DETAILS NO. 2

NOTES: (APPLY TO ALL SHEETS)

----- Indicates existing.

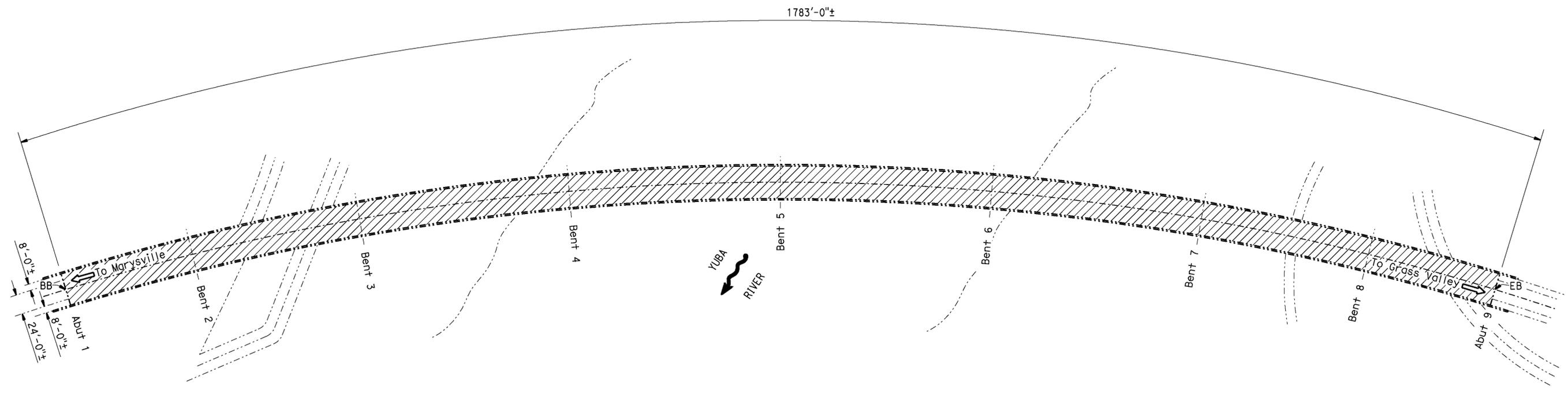
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STANDARD PLANS DATED MAY 2006

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

NOTES: (APPLY TO THIS SHEET ONLY)

 Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.



YUBA RIVER

Br No. 16-0011, ROUTE 20, Yub, PM R017.73
 1" = 60'

QUANTITIES

YUBA RIVER BRIDGE #16-0011

CLEAN BRIDGE DECK	71,320	SOFT
TREAT BRIDGE DECK	71,320	SOFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	790	GAL

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

 11-17-11 DESIGN ENGINEER	DESIGN	BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 1	
	DETAILS	BY David Kish	CHECKED D. Acoda	LAYOUT	BY Peter Kang		PLANS AND SPECS COMPARED	POST MILE		VARIES
	QUANTITIES	BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS	BY Karla Meier		CHECKED Karla Meier	UNIT: 3488		PROJECT NUMBER & PHASE: 0300020063-1

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

REVISION DATES

5-25-11	7-17-11	8-15-11
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SHEET 1 OF 12

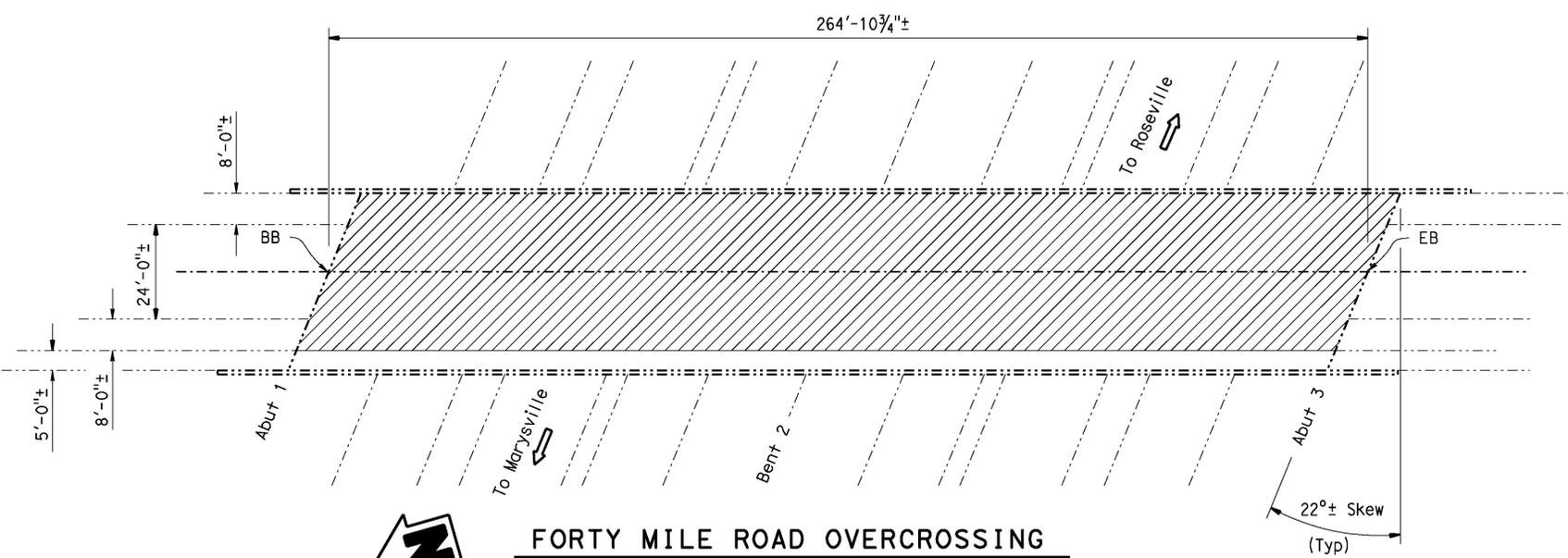
DISREGARD PRINTS BEARING EARLIER REVISION DATES

FILE => 03-4m2101_01gp.dgn

USERNAME => 6109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	15	25

REGISTERED CIVIL ENGINEER **Peter B. Kang** 11-17-11
 DATE
 3-19-12
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 PETER B. KANG
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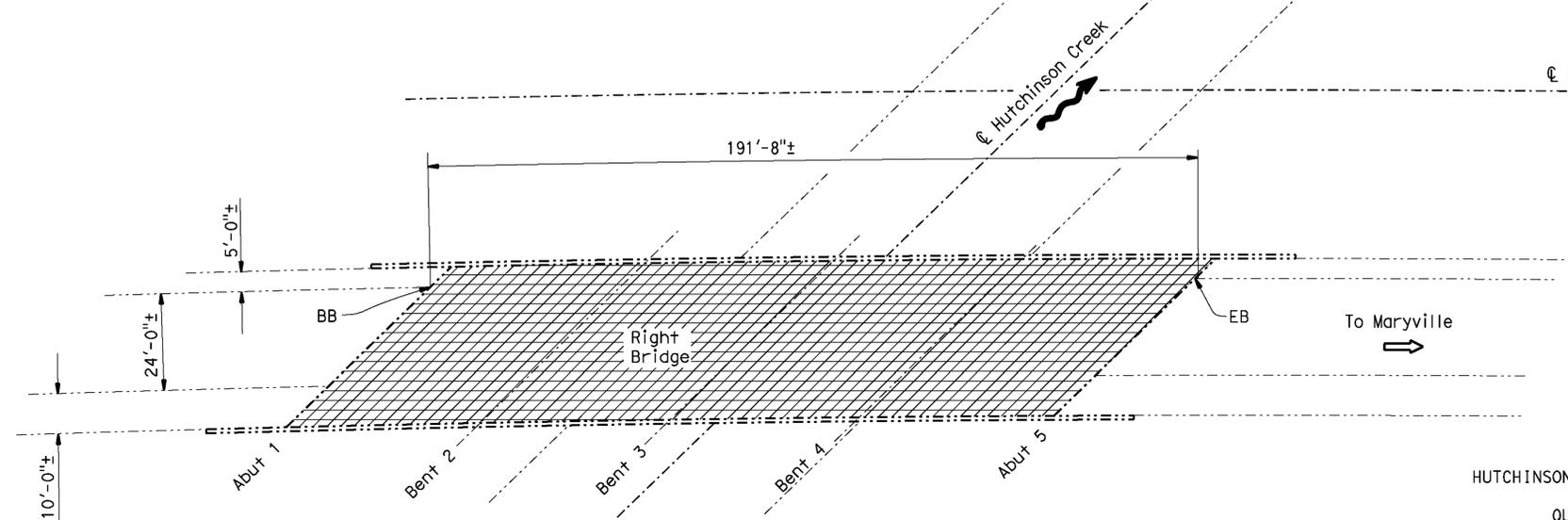
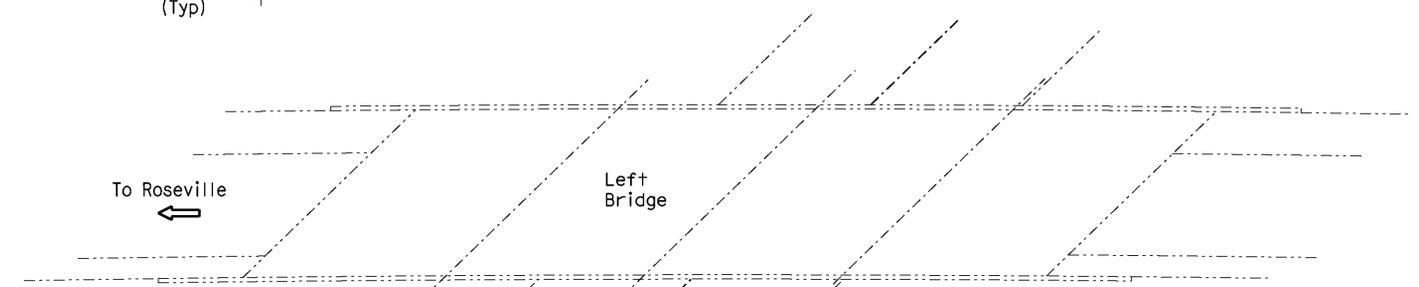
FORTY MILE ROAD OVERCROSSING
 Br No. 16-0044, ROUTE 65, Yub, PM R006.88
 1" = 20'

FORTY MILE RD OC #16-0044

QUANTITIES

CLEAN BRIDGE DECK	10,600	SQFT
TREAT BRIDGE DECK	10,600	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	120	GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
 - Indicates limits of remove existing 3/8"± chip seal overlay.



HUTCHINSON CREEK
 Br No. 16-0045R, ROUTE 65, Yub, PM R007.42
 1" = 20'

HUTCHINSON CRK #16-0045R

QUANTITIES

CLEAN BRIDGE DECK	7,475	SQFT
REMOVE CHIP SEAL	7,475	SQFT
TREAT BRIDGE DECK	7,475	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	85	GAL

1 REVISED PER ADDENDUM No. 1 DATED
 APRIL 18, 2012

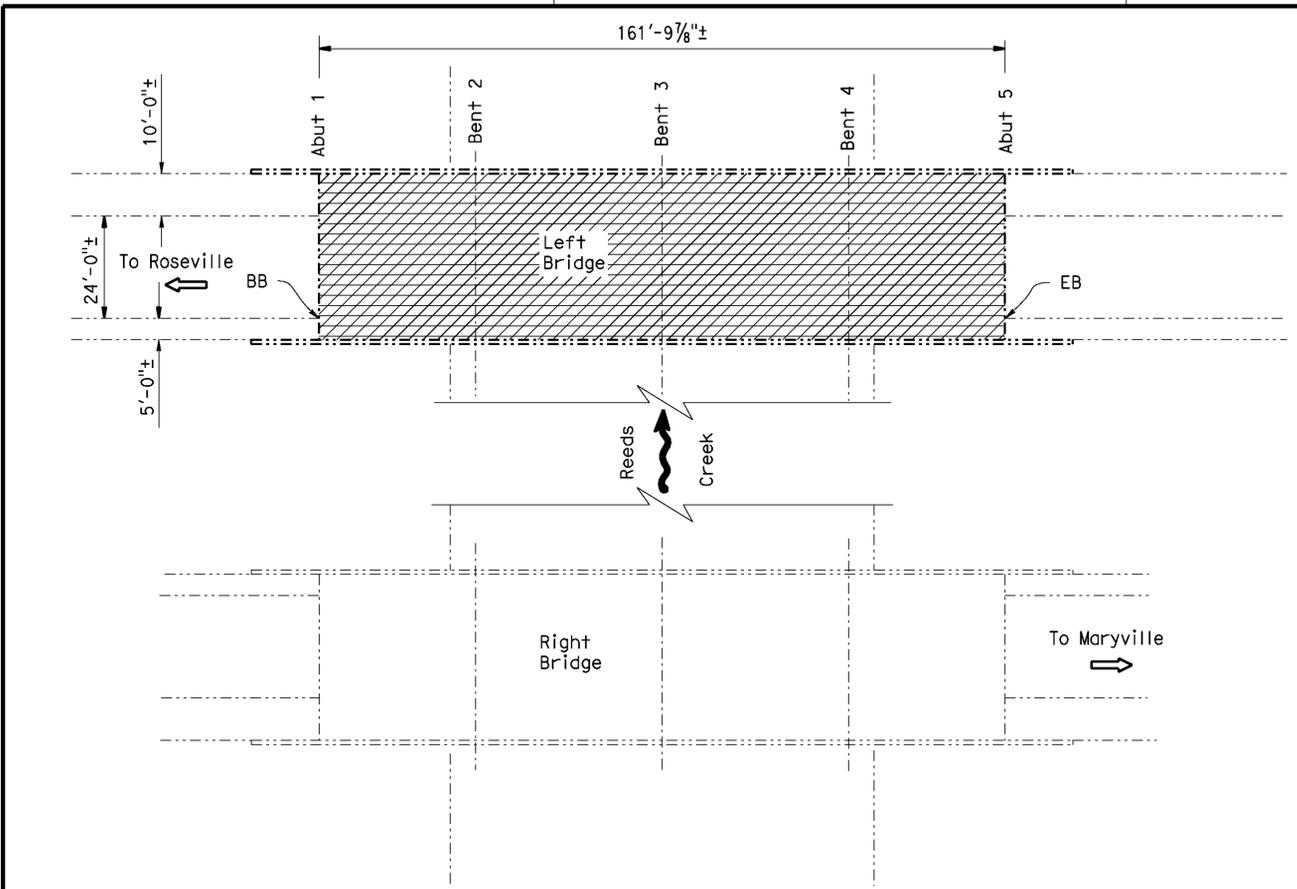
 11-17-11 DESIGN ENGINEER	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 2	
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda		POST MILE VARIES		
	QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	PLANS AND SPECS COMPARED Karla Meier		UNIT: 3488 PROJECT NUMBER & PHASE: 0300020063-1 CONTRACT NO.: 03-4M2101		
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 5-25-11, 7-17-11, 8-15-11	SHEET 2 OF 12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	16	25

REGISTERED CIVIL ENGINEER **Peter B. Kang** 11-17-11
 DATE 3-19-12
 PLANS APPROVAL DATE

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

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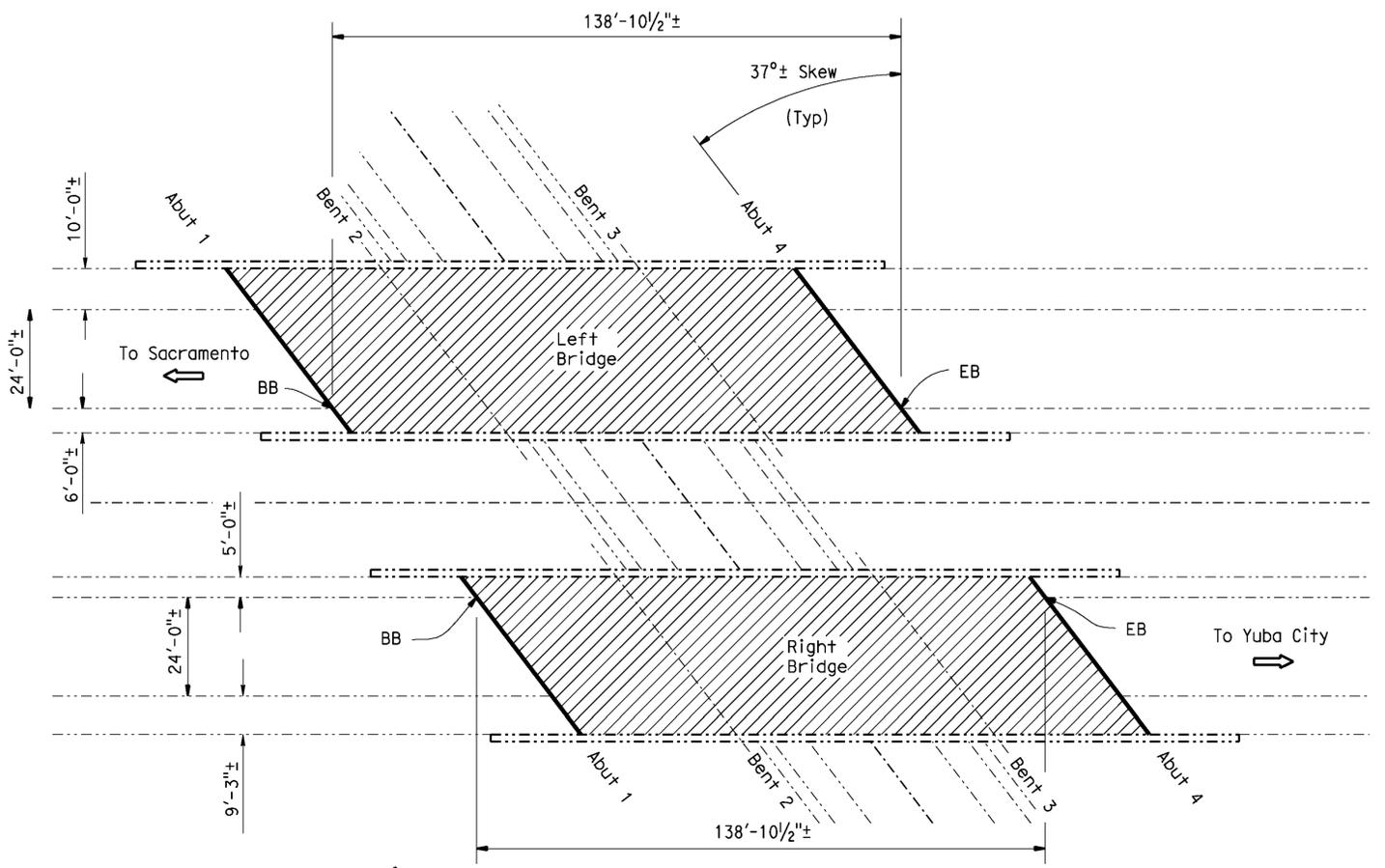
REEDS CREEK
 Br No. 16-0046L, ROUTE 65, Yub, PM R007.61
 1" = 20'

REEDS CREEK BR #16-0046L

QUANTITIES

CLEAN BRIDGE DECK	6,310	SQFT
REMOVE CHIP SEAL	6,310	SQFT
TREAT BRIDGE DECK	6,310	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	70	GAL

- NOTES: (APPLY TO THIS SHEET ONLY)
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
 - Indicates limits of remove existing 3/8"± chip seal overlay.
 - Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.



HOWSLEY ROAD UNDERCROSSING
 Br No. 18-0045L/R, ROUTE 99, Sut, PM 5.8
 1" = 20'

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

HOWSLEY RD UC #18-0045L/R

QUANTITIES

CLEAN BRIDGE DECK	10,870	SQFT
CLEAN EXPANSION JOINT	200	LF
JOINT SEAL (MR 1/2")	200	LF
TREAT BRIDGE DECK	10,870	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	120	GAL

 DESIGN ENGINEER 11-17-11	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 3	
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda			POST MILE VARIES		
	QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	PLANS AND SPECS COMPARED Karla Meier	UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	REVISION DATES	
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)								DISREGARD PRINTS BEARING EARLIER REVISION DATES 5-25-11 7-17-11 8-15-11	SHEET 3 OF 12

NOTES: (APPLY TO THIS SHEET ONLY)

1

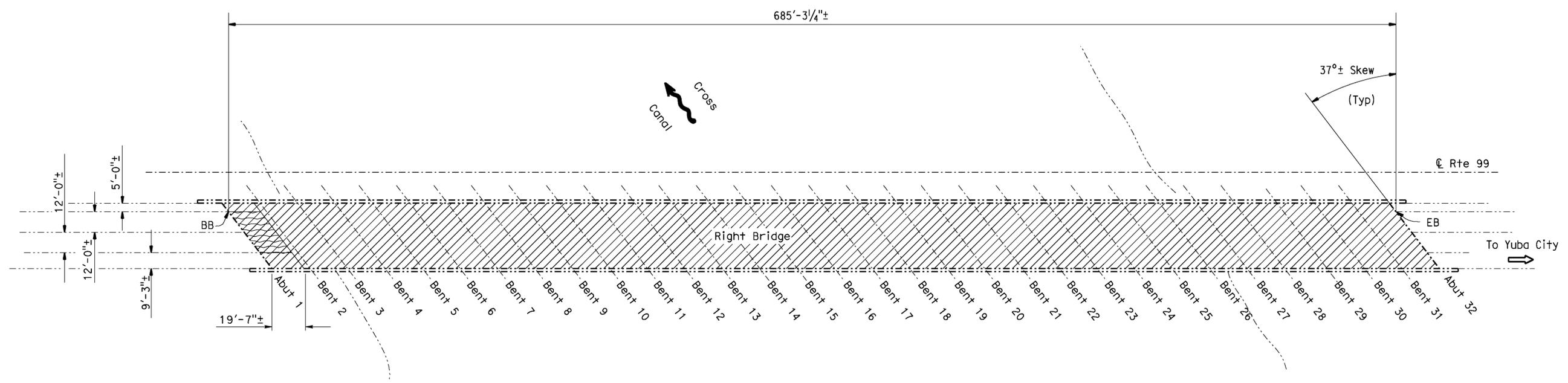
-  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
-  Indicates limits of remove existing 1/2"± to 2"± AC surfacing

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	17	25

Peter B. Kang 11-17-11
 REGISTERED CIVIL ENGINEER DATE
 3-19-12
 PLANS APPROVAL DATE

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

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CROSS CANAL
 Br No. 18-0017R, ROUTE 99, Sut, PM 5.92
 1" = 30'

CROSS CANAL BRIDGE #18-0017R
 QUANTITIES

CLEAN BRIDGE DECK	26,210	SQFT
TREAT BRIDGE DECK	26,210	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	290	GAL
REMOVE ASPHALT CONCRETE SURFACING	470	SQFT

1 REVISED PER ADDENDUM No. 1 DATED
APRIL 18, 2012

 11-17-11 DESIGN ENGINEER	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 4	
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda			POST MILE VARIES		
	QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	PLANS AND SPECS COMPARED Karla Meier	UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	REVISION DATES	
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)								DISREGARD PRINTS BEARING EARLIER REVISION DATES 5-25-11 7-17-11 8-15-11 3-01-12	SHEET 4 OF 12

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USERNAME => 6109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	18	25

<i>Peter B. Kang</i>	11-17-11
REGISTERED CIVIL ENGINEER	DATE
3-19-12	
PLANS APPROVAL DATE	

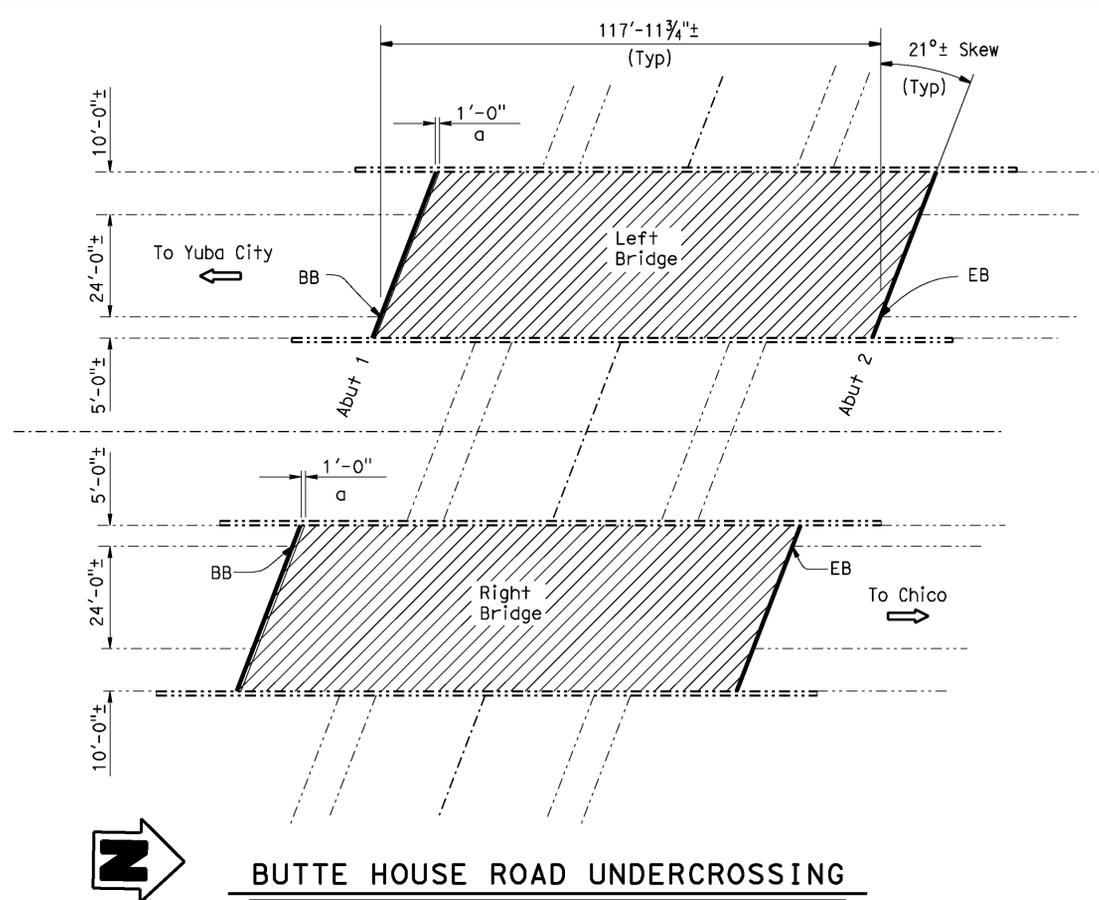
PETER B. KANG
No. C 70336
Exp. 9-30-12
CIVIL

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NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
-  a Indicates limits of remove existing 1/2"± to 2"± AC surfacing
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.

1



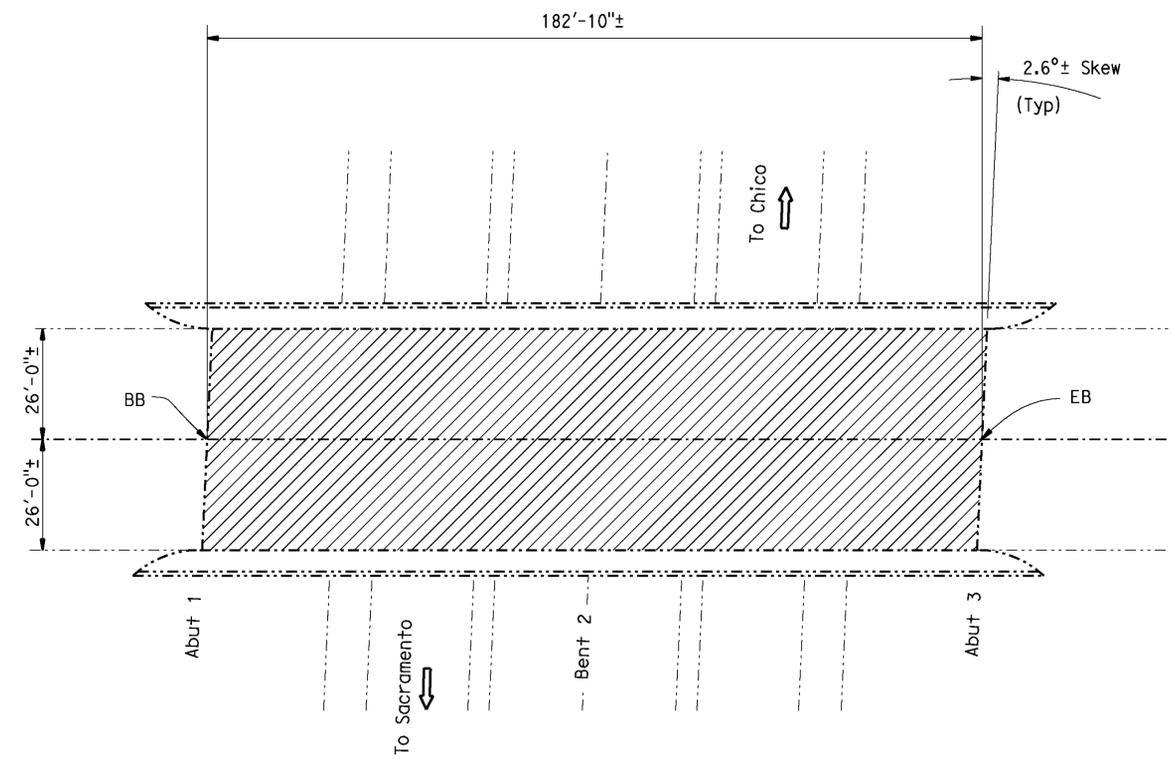
BUTTE HOUSE ROAD UNDERCROSSING

Br No. 18-0033L/R, ROUTE 99, Sut, PM R030.88
1" = 20'

BUTTE HOUSE RD UC #18-0033L/R

QUANTITIES

CLEAN BRIDGE DECK	9,200	SQFT
CLEAN EXPANSION JOINT	170	LF
JOINT SEAL (MR 1/2")	170	LF
TREAT BRIDGE DECK	9,200	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	100	GAL
REMOVE ASPHALT CONCRETE SURFACING	80	SQFT



QUEENS AVENUE OVERCROSSING

Br No. 18-0034, ROUTE 99, Sut, PM R031.31
1" = 20'

QUEENS AVE OC #18-0034

QUANTITIES

CLEAN BRIDGE DECK	9,510	SQFT
TREAT BRIDGE DECK	9,510	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	105	GAL

1 **REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012**

<i>Matthew Wolfe</i> DESIGN ENGINEER	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES	
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda		POST MILE VARIES		
	QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	PLANS AND SPECS COMPARED Karla Meier		GENERAL PLAN NO. 5		
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488 PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES
					0 1 2 3	REVISION DATES	SHEET 5 OF 12	DATE PLOTTED => 15-MAR-2012

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	19	25

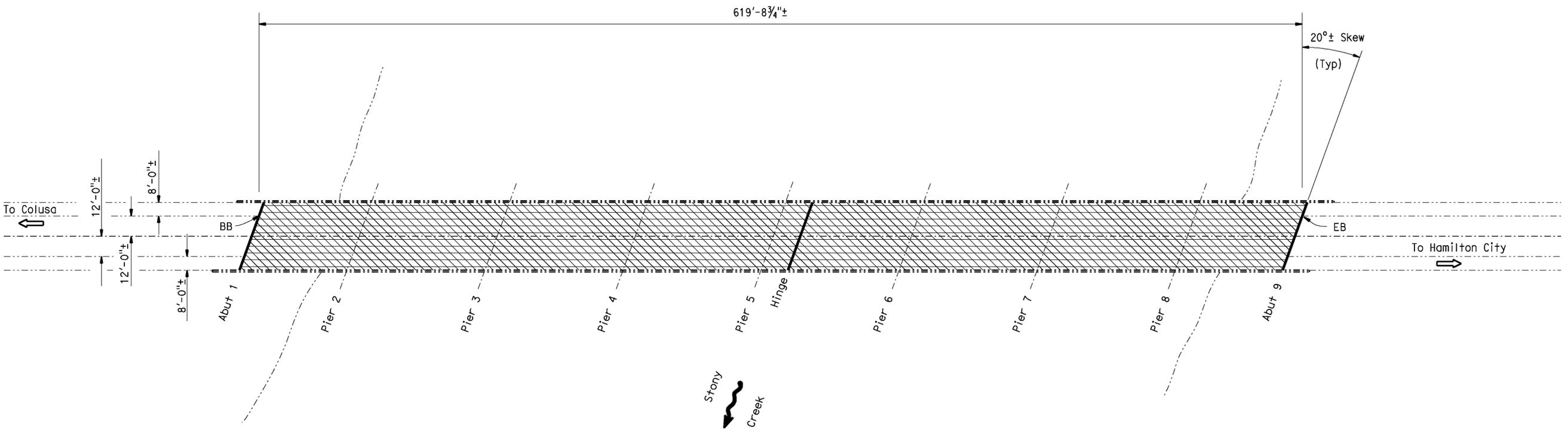
REGISTERED CIVIL ENGINEER *Peter B. Kang* 11-17-11
 DATE 3-19-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 PETER B. KANG
 No. C 70336
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NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of prepare bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".
-  Indicates limits of remove existing 3/4"± chip seal.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.



STONY CREEK
 Br No. 11-0038, ROUTE 45, Gle, PM R020.66
 1" = 30'

STONY CREEK BR #11-0038

QUANTITIES

REMOVE UNSOUND CONCRETE	62	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	24,790	SQFT
REMOVE CHIP SEAL	24,790	SQFT
CLEAN EXPANSION JOINT	132	LF
RAPID SETTING CONCRETE (PATCH)	62	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,860	CF
PLACE POLYESTER CONCRETE OVERLAY	24,790	SQFT
JOINT SEAL (MR 1 1/2")	88	LF
JOINT SEAL (MR 2")	44	LF
PUBLIC SAFETY PLAN	LUMP	SUM

1 REVISED PER ADDENDUM No. 1 DATED
APRIL 18, 2012

 DESIGN ENGINEER	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 6
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda		STRUCTURE MAINTENANCE DESIGN	POST MILE VARIES	
QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	PLANS AND SPECS COMPARED Karla Meier	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)								
						0 1 2 3	5-25-11 7-17-11 8-15-11 8-18-11	SHEET 6 OF 12

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gle Col	20, 65, 99, 45, 5	Var	20	25

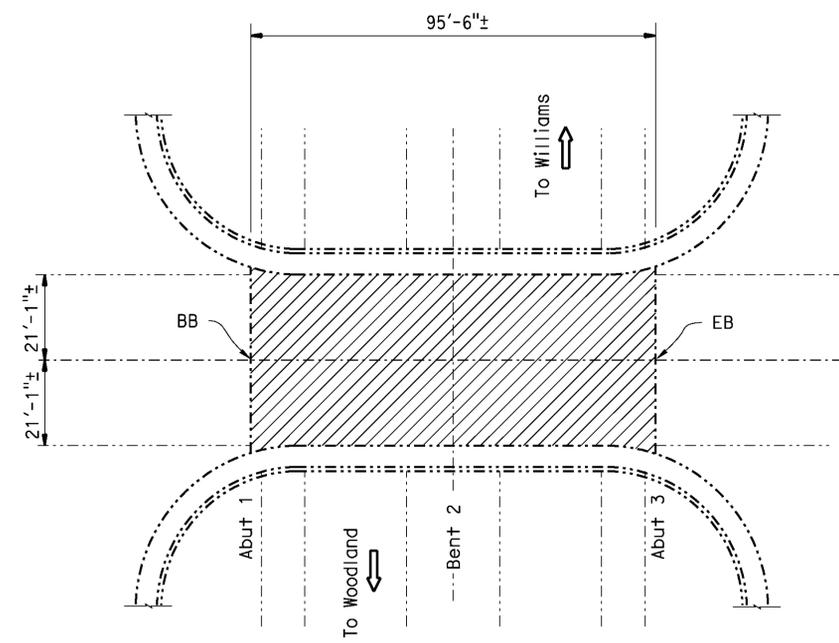
REGISTERED CIVIL ENGINEER **Peter B. Kang** 11-17-11
 DATE 3-19-12
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-  Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
-  Indicates limits of remove existing 3/8"± chip seal overlay.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.

② See "ROADWAY PLAN" for grade conform.



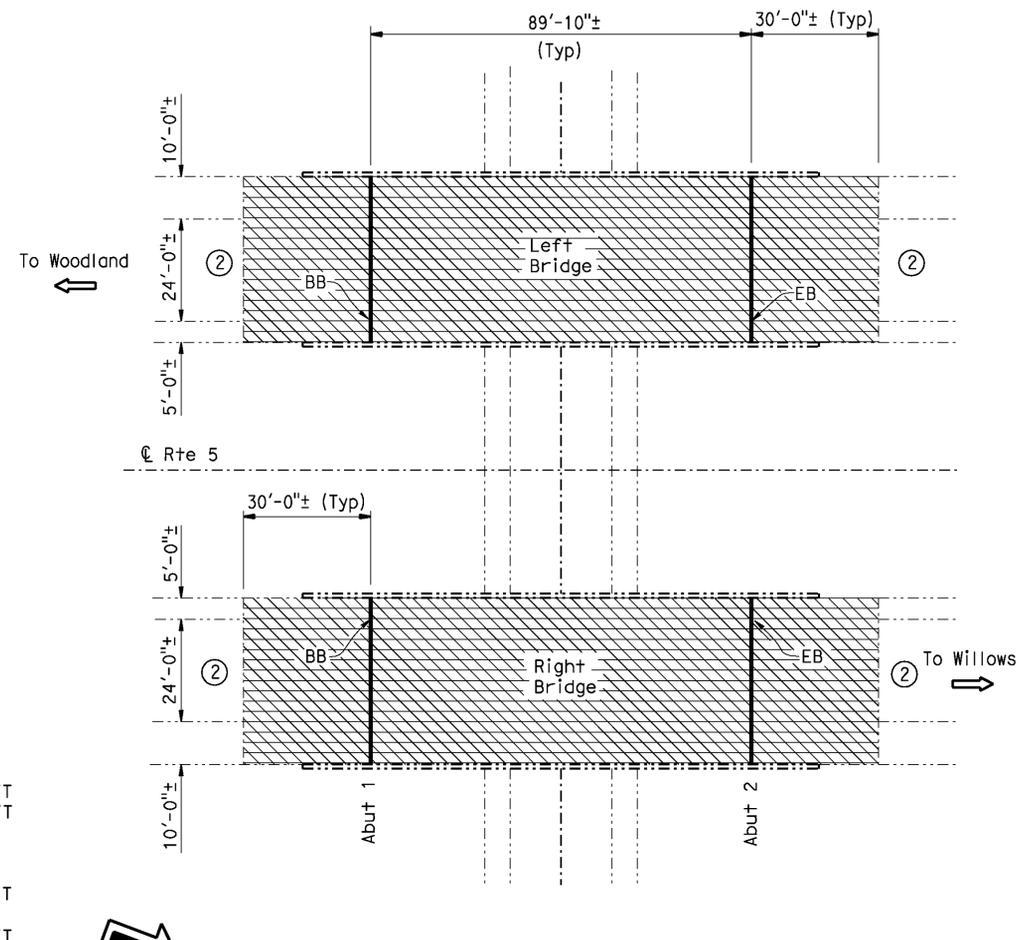
HALL STREET OVERCROSSING

Br No. 15-0046, ROUTE 5, Col, PM 7.15
1" = 20'

HALL STREET OC #15-0046

QUANTITIES

CLEAN BRIDGE DECK	4,030	SQFT
TREAT BRIDGE DECK	4,030	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	45	GAL
PUBLIC SAFETY PLAN		LUMP SUM



NORTH ARBUCKLE UNDERCROSSING

Br No. 15-0062L/R, ROUTE 5, Col, PM R007.70
1" = 20'

NORTH ARBUCKLE UC #15-0062L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	30	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	11,690	SQFT
GRIND CONCRETE APPROACH SURFACE	4,680	SQFT
CLEAN EXPANSION JOINT	160	LF
RAPID SETTING CONCRETE (PATCH)	30	CF
FURNISH POLYESTER CONCRETE OVERLAY	880	CF
PLACE POLYESTER CONCRETE OVERLAY	11,690	SQFT
JOINT SEAL (MR 1/2")	160	LF
REMOVE CHIP SEAL	11,690	SQFT

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 11-17-11 DESIGN ENGINEER	DESIGN	BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
	DETAILS	BY David Kish	CHECKED D. Acoda	LAYOUT	BY Peter Kang
	QUANTITIES	BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS	BY Karla Meier

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 7
		POST MILE	VARIES	
		UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	

USERNAME => 6109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47

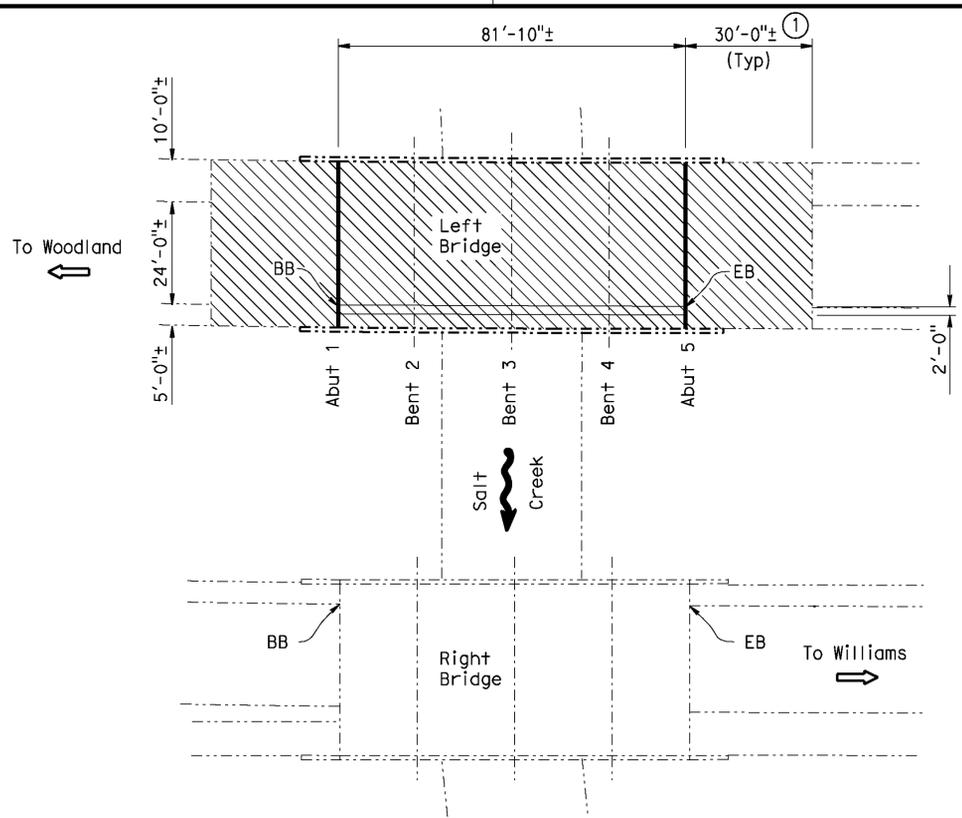
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03	Yub, Sut, Gie Col	20, 65, 99, 45, 5	Var	21	25

REGISTERED CIVIL ENGINEER **Peter B. Kang** DATE 11-17-11
 PLANS APPROVAL DATE 3-19-12
 No. C 70336 Exp. 9-30-12
 PETER B. KANG REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA
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- Indicates limits of prepare bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
- Indicates limits of remove existing 3/8"± chip seal overlay.
- Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.
- ① Limits of grind existing concrete approach to conform to existing AC pavement. For details, see "Section A-A" on "JOINT SEAL DETAILS NO. 2" sheet.



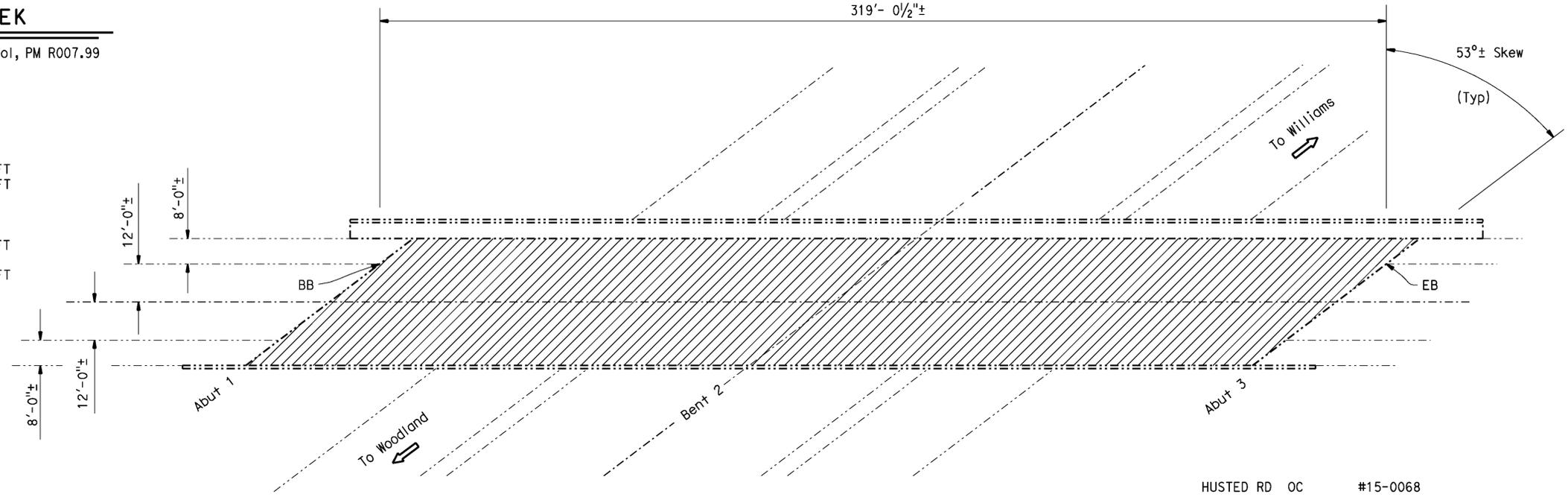
SALT CREEK

Br No. 15-0005L, ROUTE 5, Col, PM R007.99
1" = 20'

SALT CREEK BRIDGE #15-0005L

QUANTITIES

REMOVE UNSOUND CONCRETE	14	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	5,530	SQFT
GRIND CONCRETE APPROACH SURFACE	2,340	SQFT
CLEAN EXPANSION JOINT	80	LF
RAPID SETTING CONCRETE (PATCH)	14	CF
FURNISH POLYESTER CONCRETE OVERLAY	415	CF
PLACE POLYESTER CONCRETE OVERLAY	5,530	SQFT
JOINT SEAL (MR 1/2")	80	LF
REMOVE CHIP SEAL	165	SQFT



HUSTED RD OC #15-0068

QUANTITIES

CLEAN BRIDGE DECK	12,760	SQFT
TREAT BRIDGE DECK	12,760	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	140	GAL

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012



HUSTED ROAD OVERCROSSING

Br No. 15-0068, ROUTE 5, Col, PM R015.91
1" = 20'

 11-17-11 DESIGN ENGINEER	DESIGN BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. VARIOUS	ROUTE 20, 65, 99, 45 & 5 BRIDGES GENERAL PLAN NO. 8	
	DETAILS BY David Kish	CHECKED D. Acoda	LAYOUT BY Peter Kang	CHECKED D. Acoda		DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN		POST MILE VARIES
	QUANTITIES BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS BY Karla Meier	CHECKED Karla Meier		PLANS AND SPECS COMPARED Karla Meier		UNIT: 3488 PROJECT NUMBER & PHASE: 0300020063-1 CONTRACT NO.: 03-4M2101

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



DISREGARD PRINTS BEARING EARLIER REVISION DATES

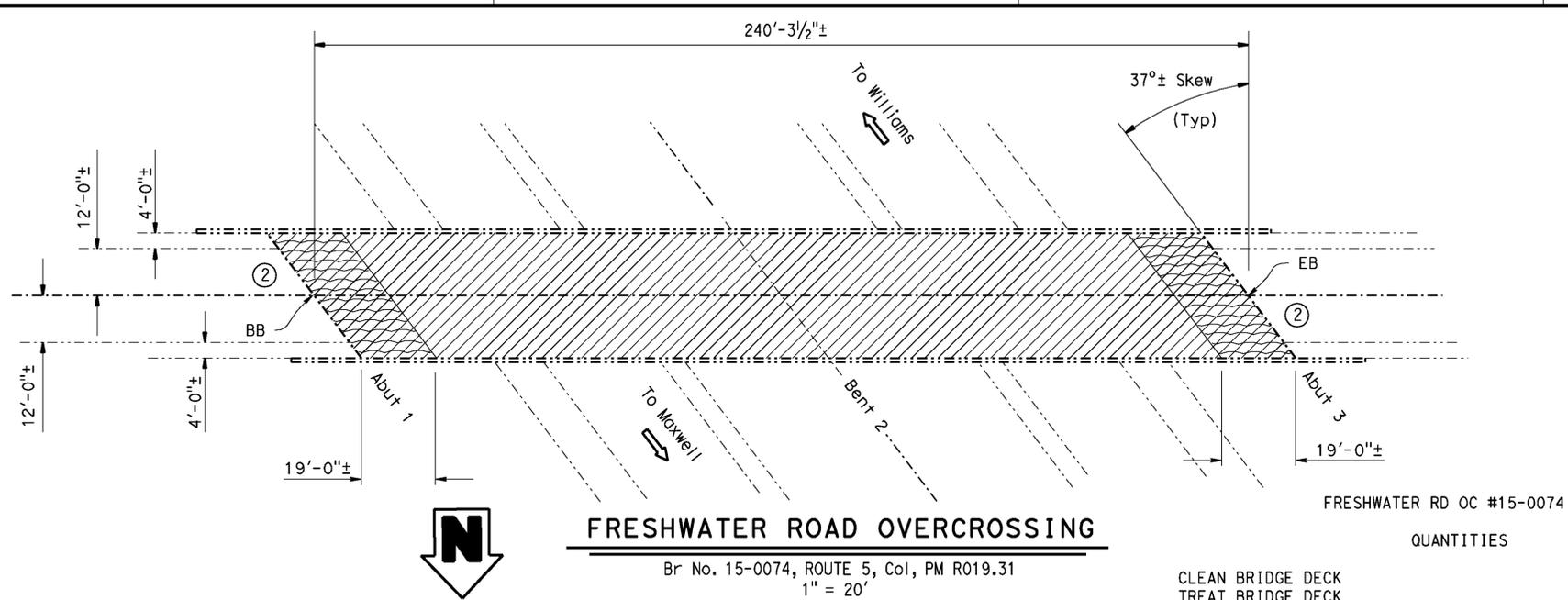
REVISION DATES	SHEET	OF
5-25-11 7-17-11 8-15-11 3-07-12	8	12

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USERNAME => 6109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Cle Col	20, 65, 99, 45, 5	Var	22	25

11-17-11
 REGISTERED CIVIL ENGINEER DATE
 3-19-12
 PLANS APPROVAL DATE
 PETER B. KANG
 No. C 70336
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA
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FRESHWATER ROAD OVERCROSSING

Br No. 15-0074, ROUTE 5, Col, PM R019.31
1" = 20'

FRESHWATER RD OC #15-0074

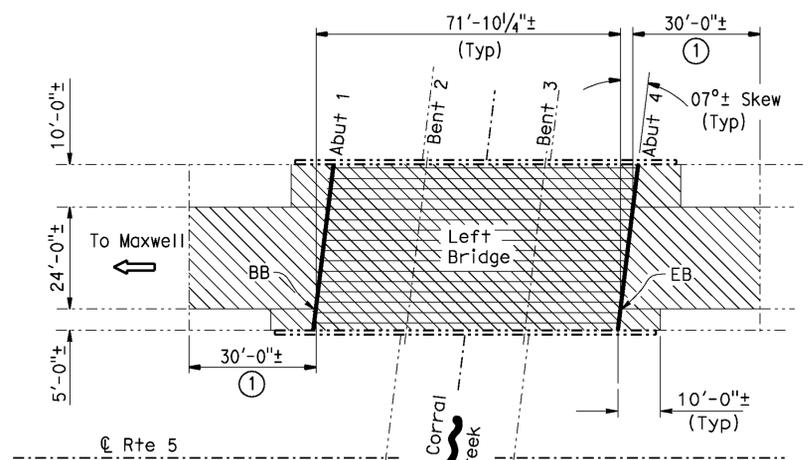
QUANTITIES

CLEAN BRIDGE DECK	7,690	SQFT
TREAT BRIDGE DECK	7,690	SQFT
FURNISH BRIDGE DECK TREATMENT MATERIAL	85	GAL
REMOVE ASPHALT CONCRETE SURFACING	1220	SQFT

NOTES: (APPLY TO THIS SHEET ONLY)

- Indicates limits of prepare bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".
- Indicates limits of clean and treat bridge deck with high molecular weight methacrylate as directed by the Engineer.
- Indicates limits of remove existing 1/2"± to 2"± AC surfacing.
- Indicates limits of remove existing 3/8"± chip seal overlay.
- Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.

- ① Limits of grind existing concrete approach to conform to existing AC pavement. For details, see "Section A-A" on "JOINT DETAILS NO. 2" sheet.
- ② See "ROADWAY PLAN" for grade conform.



STONE CORRAL CREEK

Br No. 15-0069L/R, ROUTE 5, Col, PM R027.74
1" = 20'

STONE CORRAL CRK #15-0069L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	24	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	9,280	SQFT
GRIND CONCRETE APPROACH SURFACE	5,050	SQFT
CLEAN EXPANSION JOINT	160	LF
RAPID SETTING CONCRETE (PATCH)	24	CF
FURNISH POLYESTER CONCRETE OVERLAY	695	CF
PLACE POLYESTER CONCRETE OVERLAY	9,280	SQFT
JOINT SEAL (MR 1/2")	160	LF
REMOVE CHIP SEAL	5600	SQFT

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

Matthew C. Lee
11-17-11
DESIGN ENGINEER

DESIGN	BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY David Kish	CHECKED D. Acoda	LAYOUT	BY Peter Kang
QUANTITIES	BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS	BY Karla Meier
			PLANS AND SPECS COMPARED	BY Karla Meier

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO. VARIOUS
POST MILE VARIES

ROUTE 20, 65, 99, 45 & 5 BRIDGES
GENERAL PLAN NO. 9

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 9	OF 12
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USERNAME => 6109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 08:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub, Sut, Gie Col	20, 65, 99, 45, 5	Var	23	25

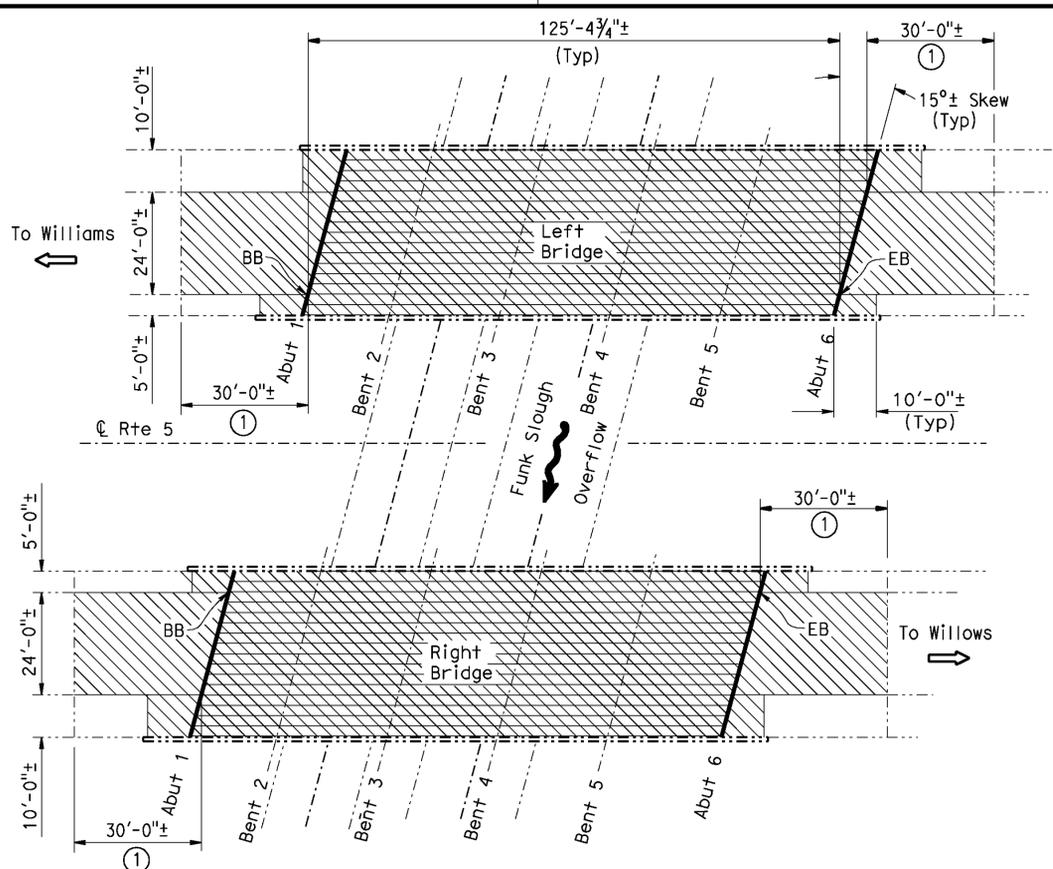
Peter B. Kang 11-17-11
 REGISTERED CIVIL ENGINEER DATE
 3-19-12
 PLANS APPROVAL DATE

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

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NOTES: (APPLY TO THIS SHEET ONLY)

-  Indicates limits of prepare bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay. Prior to placing new polyester concrete overlay remove unsound concrete and patch with rapid setting concrete as shown on the "DECK REPAIR DETAIL - OVERLAY".
-  Indicates limits of remove existing 3/8"± chip seal overlay.
-  Indicates limits of existing joint seal removal and placement of new joint seal. Prior to placement of new joint seal, repair joint spalls as directed by the Engineer.
- ① Limits of grind existing concrete approach to conform to existing AC pavement. For details, see "Section A-A" on "JOINT SEAL DETAILS NO. 2" sheet.



FUNK SLOUGH OVERFLOW
 Br No. 15-0077L/R, ROUTE 5, Col, PM R029.02
 1" = 20'

FUNK SLOUGH OVERFLOW #15-0077L/R

QUANTITIES

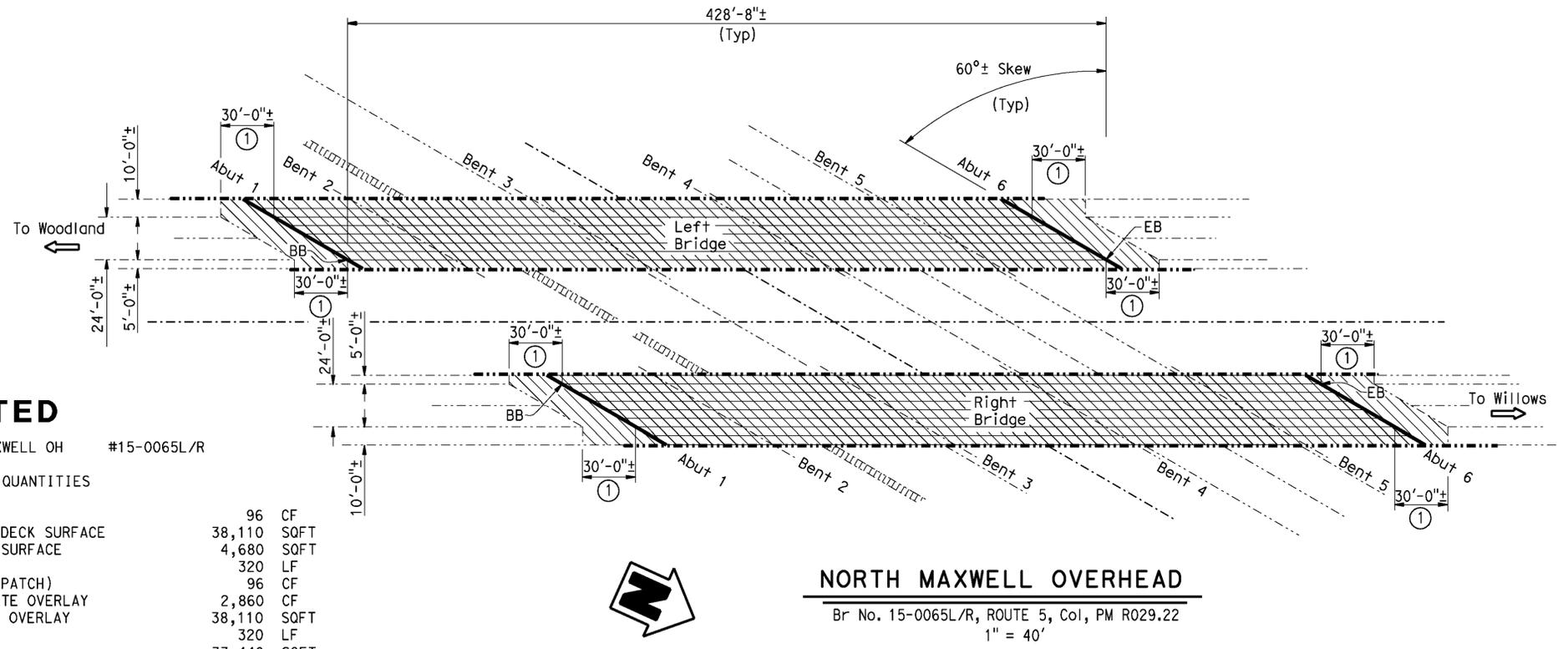
REMOVE UNSOUND CONCRETE	34	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	13,660	SQFT
GRIND CONCRETE APPROACH SURFACE	5,500	SQFT
CLEAN EXPANSION JOINT	164	LF
RAPID SETTING CONCRETE (PATCH)	34	CF
FURNISH POLYESTER CONCRETE OVERLAY	1,020	CF
PLACE POLYESTER CONCRETE OVERLAY	13,660	SQFT
JOINT SEAL (MR 1/2")	164	LF
REMOVE CHIP SEAL	9780	SQFT

REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

NORTH MAXWELL OH #15-0065L/R

QUANTITIES

REMOVE UNSOUND CONCRETE	96	CF
PREPARE CONCRETE BRIDGE DECK SURFACE	38,110	SQFT
GRIND CONCRETE APPROACH SURFACE	4,680	SQFT
CLEAN EXPANSION JOINT	320	LF
RAPID SETTING CONCRETE (PATCH)	96	CF
FURNISH POLYESTER CONCRETE OVERLAY	2,860	CF
PLACE POLYESTER CONCRETE OVERLAY	38,110	SQFT
JOINT SEAL (MR 2")	320	LF
REMOVE CHIP SEAL	33,440	SQFT



NORTH MAXWELL OVERHEAD
 Br No. 15-0065L/R, ROUTE 5, Col, PM R029.22
 1" = 40'

DESIGN ENGINEER X Peter Kang	DESIGN	BY Peter Kang	CHECKED D. Acoda	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	ROUTE 20, 65, 99, 45 & 5 BRIDGES	
	DETAILS	BY David Kish	CHECKED D. Acoda	LAYOUT	BY Peter Kang		CHECKED D. Acoda		VARIOUS
	QUANTITIES	BY Peter Kang	CHECKED D. Acoda	SPECIFICATIONS	BY X		CHECKED X		PLANS AND SPECS COMPARED

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10) ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
 UNIT: 3488 PROJECT NUMBER & PHASE: 0300020063-1 CONTRACT NO.: 03-4M2101
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES: 3-07-12, 3-14-11, 3-14-11, 3-14-11
 SHEET 10 OF 12
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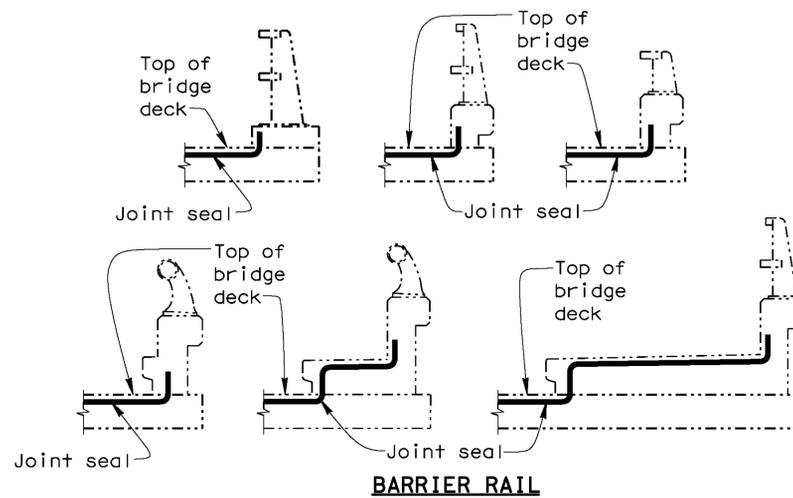
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JOINT SEAL TABLE

BRIDGE NAME	BRIDGE NUMBER	LOCATION	MINIMUM "MR" (INCHES)	APPROXIMATE LENGTH (FEET)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (INCHES)	
HOWSLEY ROAD UNDERCROSSING	18-0045L	Abut 1	BB	1/2"	51.0	NO	12
		Abut 4	EB	1/2"	51.0	NO	12
	18-0045R	Abut 1	BB	1/2"	49.0	NO	12
		Abut 4	EB	1/2"	49.0	NO	12
BUTTE HOUSE ROAD UNDERCROSSING	18-0033L	Abut 1	BB	1/2"	42.5	NO	12
		Abut 2	EB	1/2"	42.5	NO	12
	18-0033R	Abut 1	BB	1/2"	42.5	NO	12
		Abut 2	EB	1/2"	42.5	NO	12
STONY CREEK	11-0038	Abut 1	BW	1 1/2"	44.0	NO	12
		Pier 5	H	2"	44.0	NO	12
		Abut 9	BW	1 1/2"	44.0	NO	12
NORTH ARBUCKLE UNDERCROSSING	15-0062L	Abut 1	BB	1/2"	40.0	NO	12
		Abut 2	EB	1/2"	40.0	NO	12
	15-0062R	Abut 1	BB	1/2"	40.0	NO	12
		Abut 2	EB	1/2"	40.0	NO	12
SALT CREEK	15-0005L	Abut 1	BB	1/2"	40.0	NO	12
		Abut 5	EB	1/2"	40.0	NO	12
STONE CORRAL CREEK	15-0069L	Abut 1	BB	1/2"	40.0	NO	12
		Abut 4	EB	1/2"	40.0	NO	12
	15-0069R	Abut 1	BB	1/2"	40.0	NO	12
		Abut 4	EB	1/2"	40.0	NO	12
FUNK SLOUGH OVERFLOW	15-0077L	Abut 1	BB	1/2"	41.0	NO	12
		Abut 6	EB	1/2"	41.0	NO	12
	15-0077R	Abut 1	BB	1/2"	41.0	NO	12
		Abut 6	EB	1/2"	41.0	NO	12
NORTH MAXWELL OVERHEAD	15-0065L	Abut 1	BB	2"	80.0	NO	12
		Abut 6	EB	2"	80.0	NO	12
	15-0065R	Abut 1	BB	2"	80.0	NO	12
		Abut 6	EB	2"	80.0	NO	12

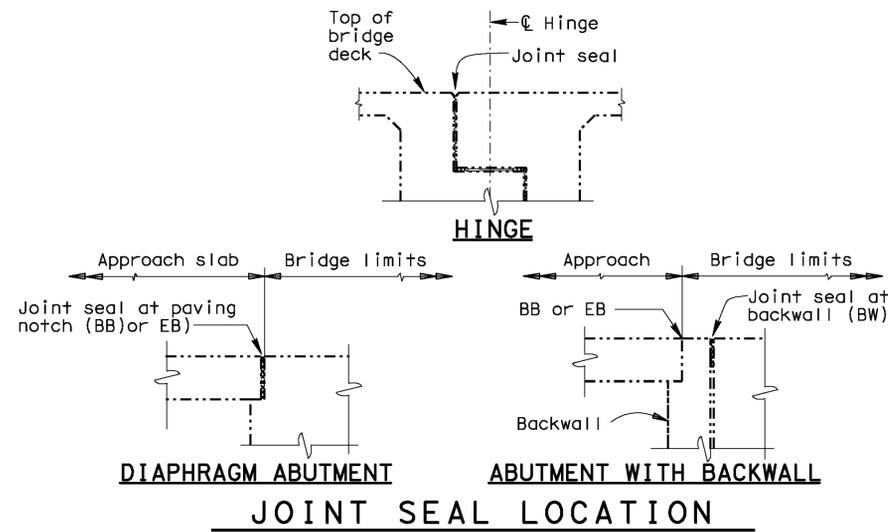
LEGEND:

- BW - Abutment backwall joint
- BB - Paving notch at beginning of bridge
- EB - Paving notch at end of bridge
- H - Hinge joint



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

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub., Sut., Gile Col	20, 65, 99, 45, 5	Var	24	25

Peter B. Kang 11-17-11
REGISTERED CIVIL ENGINEER DATE

3-19-12
PLANS APPROVAL DATE

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

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The following notes apply to JOINT SEAL TYPE B:

- 1) Seal must satisfy both minimum Movement Rating (MR) and minimum W1 requirements.
- 2) Minimum W1 is the calculated maximum width of the joint based on field measurements. After the joints have been cleaned, minimum W1 is to be calculated by the Engineer.
- 3) W1 shall be the smaller of the values determined as follows:
 - A) 0.85 times the manufacturer's designed minimum uncompressed width of the seal.
 - B) The width of the seal on the third successive test cycle of the pressure deflection test; when compressed to an average pressure of 3 psi.
- 4) Bend Type B joint seal 6" up into curb or rail on the low side of the deck where deck joint matches curb or rail joint.
- 5) For details not shown, see

The following notes apply to JOINT SEAL TYPE A:

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

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY P. Kang	CHECKED D. Acoba	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 20, 65, 99, 45 & 5 BRIDGES
	DETAILS	BY Dale Kubochi	CHECKED D. Acoba			VARIOUS	
	QUANTITIES	BY P. Kang	CHECKED D. Acoba			VARIES	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT: 3488	PROJECT NUMBER & PHASE: 0300020063-1	CONTRACT NO.: 03-4M2101	DISREGARD PRINTS BEARING EARLIER REVISION DATES
0 1 2 3				REVISION DATES		SHEET	OF
FILE => 03-4m2101-s-jt-seal-det01.dgn				1-11 2-11 8-15-11		11	12

USERNAME => 8109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47

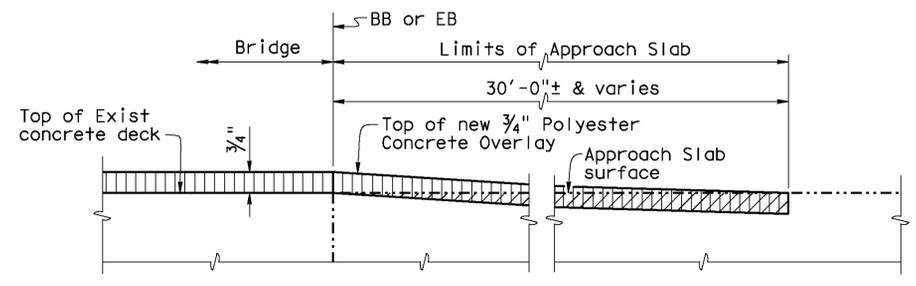
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Yub., Sut., Gile Col	20, 65, 99, 45, 5	Var	25	25

P. Kang 11-17-11
 REGISTERED CIVIL ENGINEER DATE
 3-19-12
 PLANS APPROVAL DATE

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

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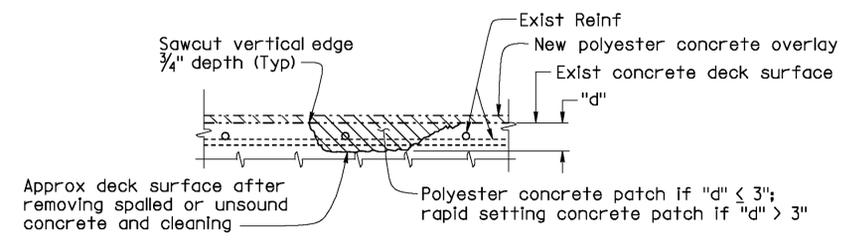
SECTION A-A
No Scale

NOTES:

- Indicates limits of grind concrete surfacing.
- Indicates limits of prepare concrete bridge deck surface, furnish and place new 3/4" minimum depth polyester concrete overlay.

DECK REPAIR TABLE REMOVE UNSOUND CONCRETE AND RAPID SETTING CONCRETE (PATCH)			
BRIDGE NAME	BRIDGE NUMBER	APPROXIMATE AREA DAMAGED (PERCENT)	APPROXIMATE DEPTH (INCHES)
STONY CREEK	11-0038	1	3
NORTH ARBUCKLE UNDERCROSSING	15-0062L	1	3
	15-0062R	1	3
SALT CREEK	15-0005L	1	3
STONE CORRAL CREEK	15-0069L	1	3
	15-0069R	1	3
FUNK SLOUGH OVERFLOW	15-0077L	1	3
	15-0077R	1	3
NORTH MAXWELL OVERHEAD	15-0065L	1	3
	15-0065R	1	3

Locations to be determined by the Engineer. For details see "DECK REPAIR DETAIL - OVERLAY".



DECK REPAIR DETAIL - OVERLAY

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

NOTES:

- Indicates limits of new polyester concrete.

1 REVISED PER ADDENDUM No. 1 DATED APRIL 18, 2012

STRUCTURES MAINTENANCE DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY P. Kang	CHECKED D. Acoba	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 20, 65, 99, 45 & 5 BRIDGES	
	DETAILS	BY Dale Kubochi	CHECKED D. Acoba			VARIOUS		
	QUANTITIES	BY P. Kang	CHECKED D. Acoba			POST MILE		VARIES
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					UNIT: 3488	CONTRACT NO.: 03-4M2101	REVISION DATES	SHEET 12 OF 12
FILE => 03-4m2101-s-jt-seal-det02.dgn					PROJECT NUMBER & PHASE: 0300020063-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	1-11-11 1-11-11 8-11-11 3-07-12	

USERNAME => 8109618 DATE PLOTTED => 15-MAR-2012 TIME PLOTTED => 09:47