

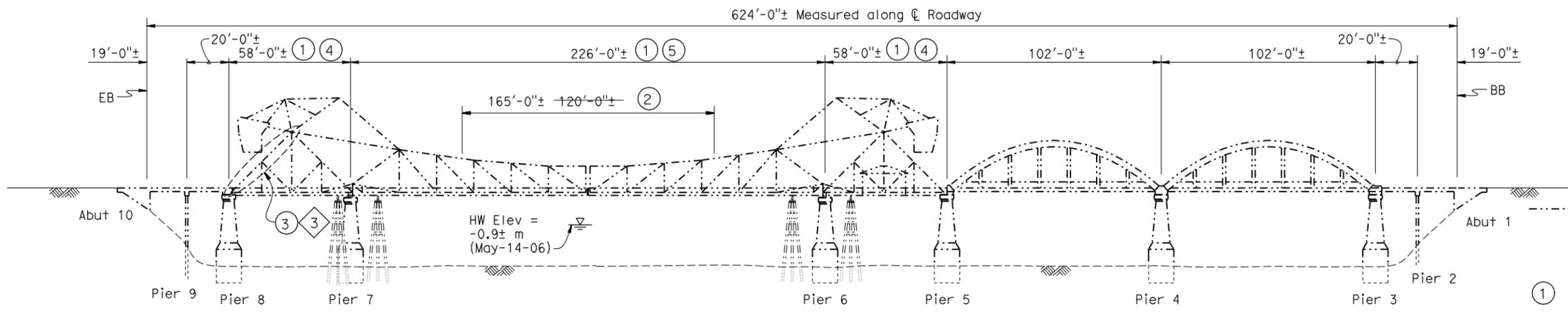
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	160	5.9/21.1	9	11

REGISTERED CIVIL ENGINEER DATE 1-11-11

PLANS APPROVAL DATE 2-17-11

DIOSDADO ACOPA  
No. 52003  
Exp. 12-31-12  
CIVIL  
STATE OF CALIFORNIA

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



**2** ELEVATION

NOTES: (APPLY TO ALL SHEETS )

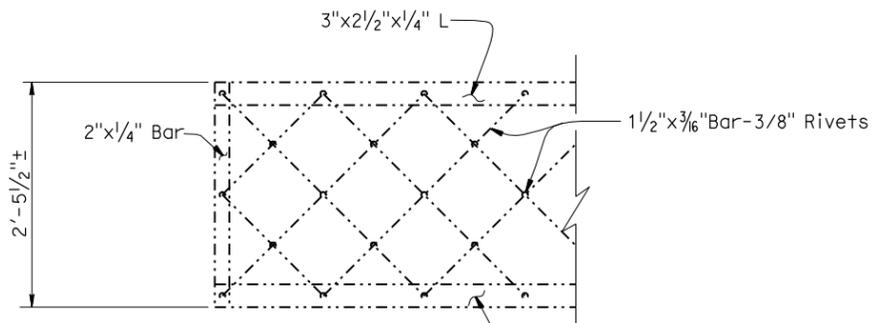
Indicates existing.

NOTES: (APPLY TO THIS SHEET ONLY)

- ① Limits of Clean and Paint Structural Steel (Existing Bridge).
- ② Approximate limits of reconstruct existing steel bridge railing as directed by the Engineer. For details, see "RAIL DETAIL".
- ③ Location of reconstruct existing steel lattice. For details see, "LATTICE REPAIR DETAILS" sheet.
- ④ Limits of bridge tower portion.
- ⑤ Limits of bridge bascule portion.
- ◇ Approximate location of replace rivets as directed by the Engineer.

QUANTITIES

SACRAMENTO RIVER (ISLETON)	BR NO 24-0051
SECURE BASCULE SPAN	2 EA
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
WORK AREA MONITORING	LUMP SUM
RECONSTRUCT STEEL BRIDGE RAILING	120 LF
RECONSTRUCT STEEL BRIDGE RAILING	165 LF
RECONSTRUCT STEEL LATTICE	68 EA
REMOVE RIVETS	68 EA

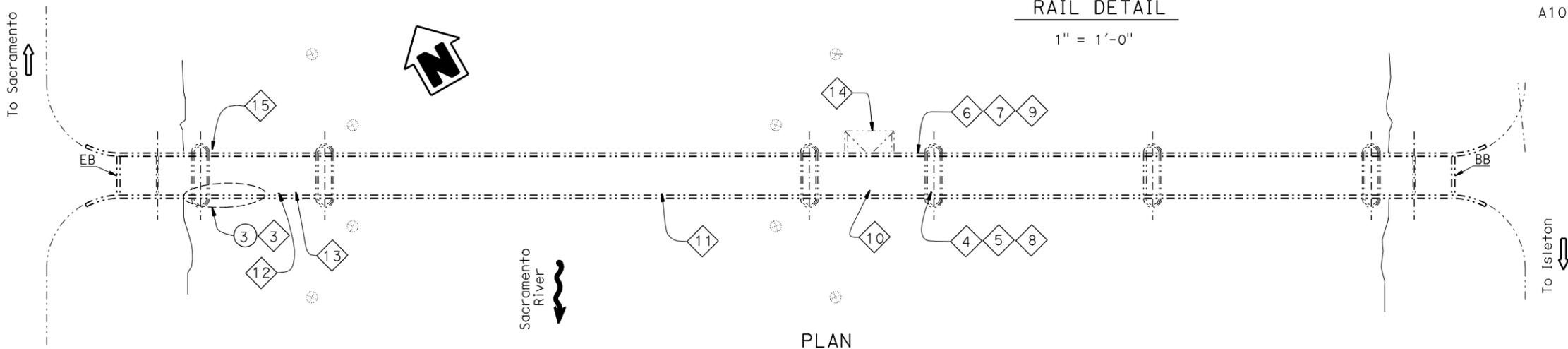


**2** RAIL DETAIL

1" = 1'-0"

STANDARD PLANS DATED MAY 2006

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



**2** PLAN

NOTES: ◇ See "RIVET REPLACEMENT CHART" on "LATTICE REPAIR DETAILS" sheet.

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

**SACRAMENTO RIVER (ISLETON)**

Br. No. 24-0051, ROUTE 160, PM 5.86  
1" = 30'

**2** REVISED PER ADDENDUM NO. 2 DATED MAY 13, 2011

*Matthew W Lee*  
DESIGN ENGINEER 1-11-11

DESIGN	BY Don Acoba	CHECKED J. Rogers
DETAILS	BY David Kish	CHECKED J. Rogers
QUANTITIES	BY Don Acoba	CHECKED J. Rogers

LAYOUT	BY David Kish	CHECKED J. Rogers
SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECS COMPARED Xiahong Li

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE  
STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

ROUTE 160 BRIDGES  
GENERAL PLAN NO. 1

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

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU 03601  
EA 3M7101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

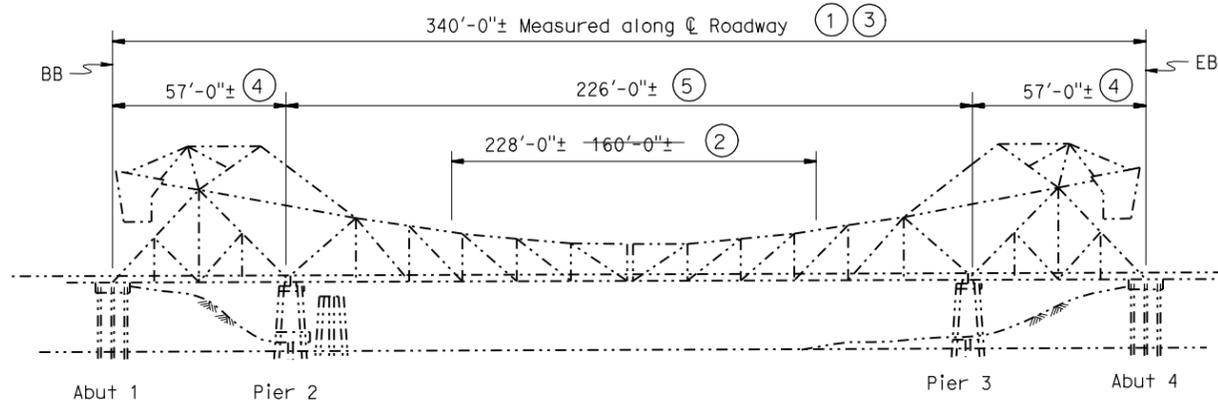
REVISION DATES
10-26-10 1-18-11 1-28-11 1-28-11 3-25-11

SHEET 1 OF 3

FILE => 03-3m7101-01gp.dgn

USERNAME => Nks11ey DATE PLOTTED => 12-MAY-2011 TIME PLOTTED => 15:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	160	5.9/21.1	10	11
REGISTERED CIVIL ENGINEER			DATE	1-11-11	
PLANS APPROVAL DATE			2-17-11		

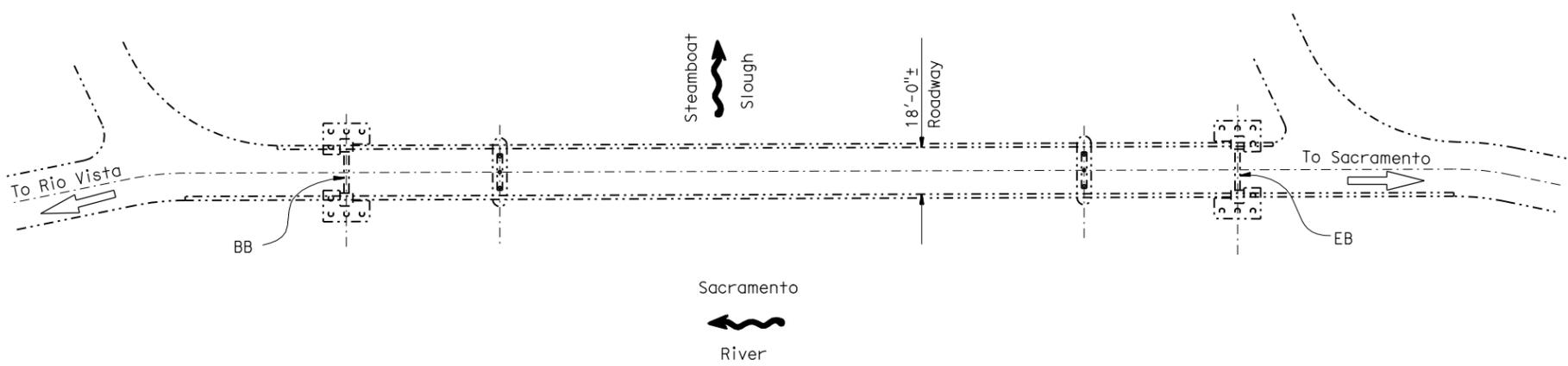


**2** ELEVATION

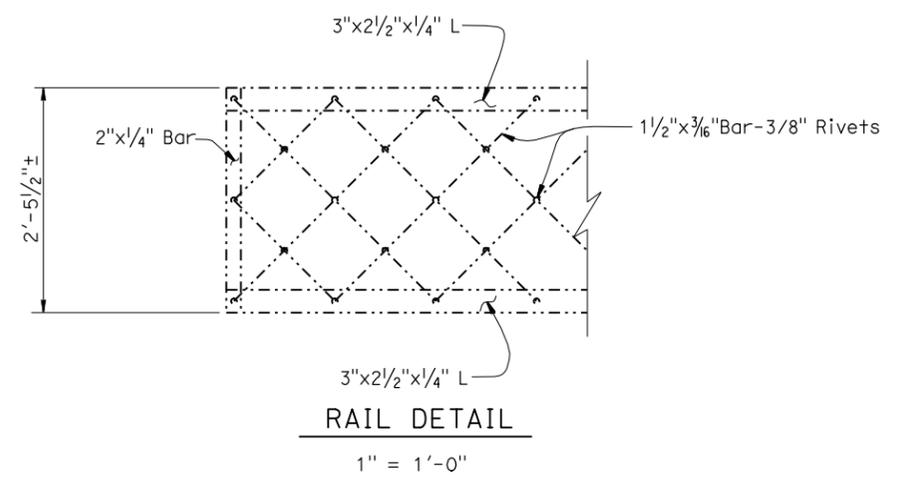
QUANTITIES

STEAMBOAT SLOUGH	BR NO 24-0052
SECURE BASCULE SPAN	2 EA
CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	15,980 SQFT
WORK AREA MONITORING	LUMP SUM
RECONSTRUCT STEEL BRIDGE RAILING	160 LF
RECONSTRUCT STEEL BRIDGE RAILING	228 LF

- NOTES: (APPLY TO THIS SHEET ONLY)
- (1) Limits of Clean and Paint Structural Steel (Existing Bridge).
  - (2) Approximate limits of reconstruct existing steel bridge railing as directed by the Engineer. For details, see "RAIL DETAIL".
  - (3) Limits of Spot Blast Clean and Paint Undercoat (20% of Total Surface Area) The exact location is to be directed by the Engineer.
  - (4) Limits of bridge tower portion.
  - (5) Limits of bridge bascule portion.



**STEAMBOAT SLOUGH**  
Br. No. 24-0052, ROUTE 160, PM 19.76  
1" = 30'



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

**2** REVISED PER ADDENDUM NO. 2 DATED MAY 13, 2011

 DESIGN ENGINEER 1-11-11	DESIGN	BY Don Acoba	CHECKED J. Rogers	LAYOUT	BY David Kish	CHECKED J. Rogers	<b>STATE OF CALIFORNIA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DIVISION OF MAINTENANCE</b> <b>STRUCTURE MAINTENANCE DESIGN</b>	BRIDGE NO.	<b>ROUTE 160 BRIDGES</b> <b>GENERAL PLAN NO. 2</b>	
	DETAILS	BY David Kish	CHECKED J. Rogers	SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECS COMPARED Xiahong Li			VARIOUS		
	QUANTITIES	BY Don Acoba	CHECKED J. Rogers					VARIES			
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03601 EA 3M7101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 2 OF 3

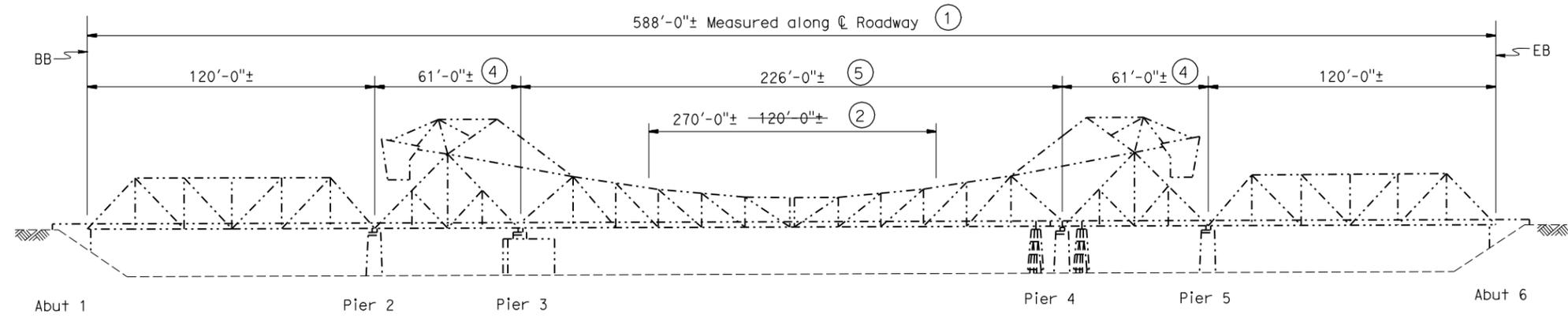
USERNAME => Nkeleley DATE PLOTTED => 12-MAY-2011 TIME PLOTTED => 15:50

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Sac	160	5.9/21.1	11	11

REGISTERED CIVIL ENGINEER DATE 1-11-11  
 2-17-11  
 PLANS APPROVAL DATE

DIOSDADO ACOPA  
 No. 52003  
 Exp. 12-31-12  
 CIVIL  
 STATE OF CALIFORNIA

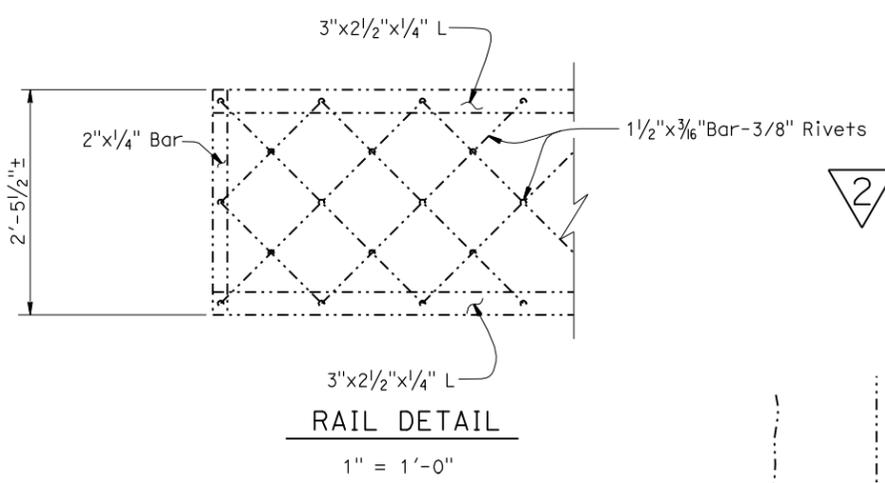
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



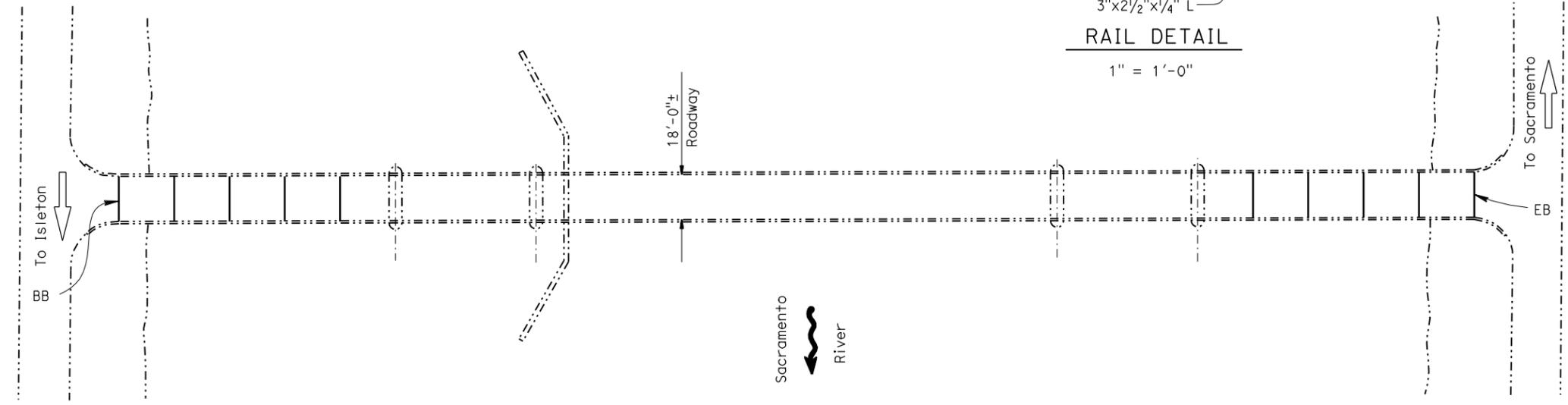
② ELEVATION

QUANTITIES

SACRAMENTO RIVER (PAINTERSVILLE)	BR NO 24-0053
SECURE BASCULE SPAN	2 EA
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
WORK AREA MONITORING	LUMP SUM
RECONSTRUCT STEEL BRIDGE RAILING	120 LF
RECONSTRUCT STEEL BRIDGE RAILING	270 LF



- NOTES: (APPLY TO THIS SHEET ONLY)
- ① Limits of Clean and Paint Structural Steel (Existing Bridge).
  - ② Approximate limits of reconstruct existing steel bridge railing as directed by the Engineer. For details, see "RAIL DETAIL".
  - ④ Limits of bridge tower portion.
  - ⑤ Limits of bridge bascule portion.



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

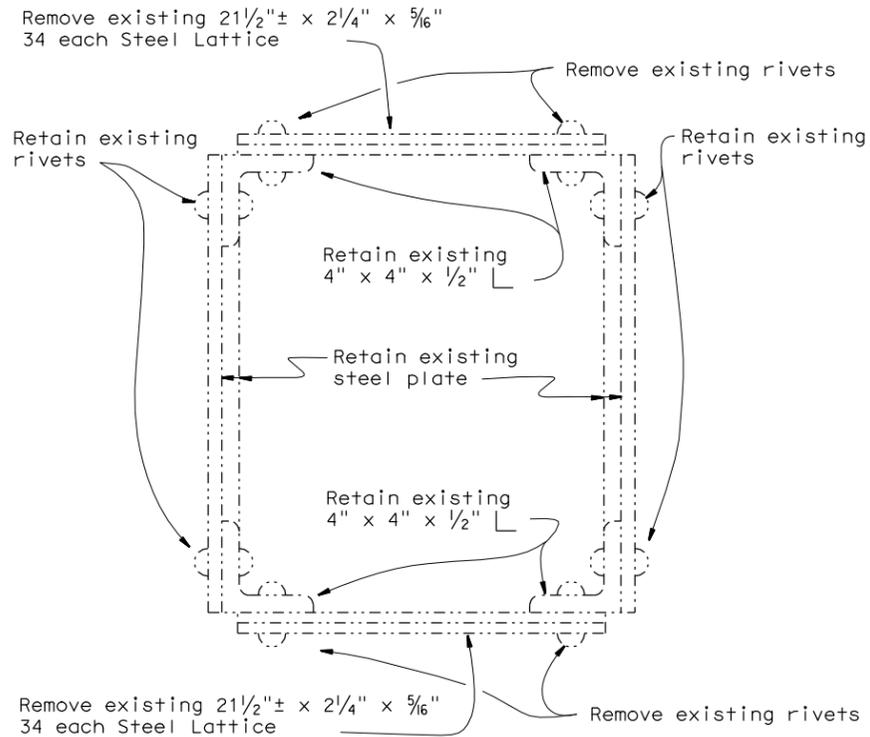
SACRAMENTO RIVER (PAINTERSVILLE)

Br. No. 24-0053, ROUTE 160, PM 20.87  
 1" = 30'

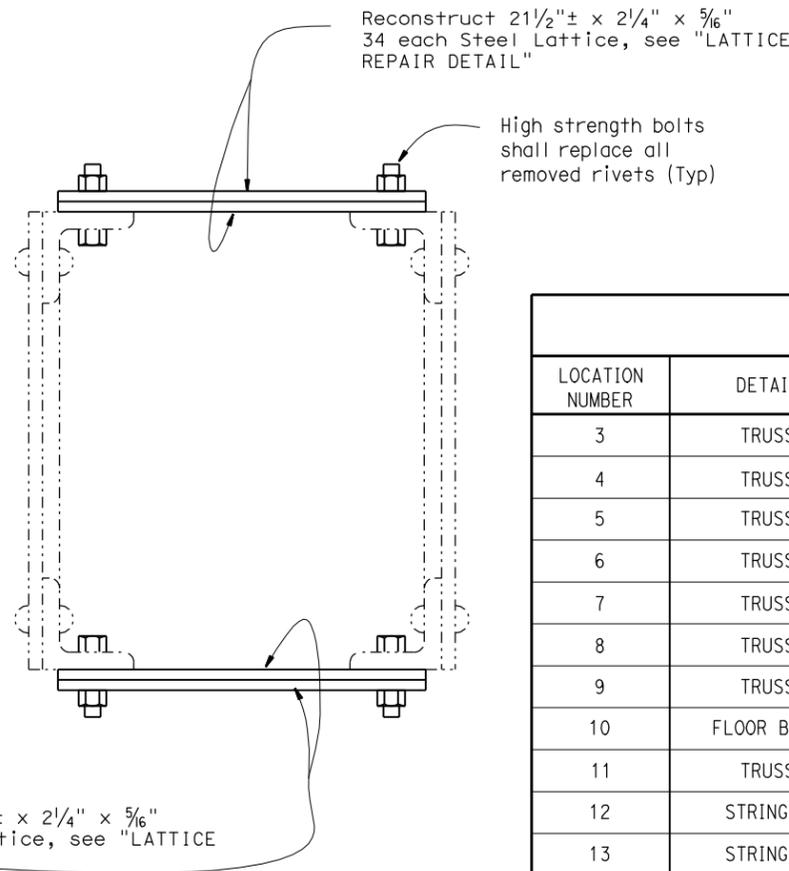
② REVISED PER ADDENDUM NO. 2 DATED MAY 13, 2011

 DESIGN ENGINEER 1-11-11	DESIGN	BY Don Acoba	CHECKED J. Rogers	LAYOUT	BY David Kish	CHECKED J. Rogers	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 160 BRIDGES GENERAL PLAN NO. 3	
	DETAILS	BY David Kish	CHECKED J. Rogers	SPECIFICATIONS	BY Xiahong Li	PLANS AND SPECS COMPARED Xiahong Li			VARIOUS		
	QUANTITIES	BY Don Acoba	CHECKED J. Rogers					VARIES			
STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)							ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03601 EA 3M7101	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 3 OF 3

FILE => 03-3m7101-03gp.dgn  
 USERNAME => Nks11ey DATE PLOTTED => 12-MAY-2011 TIME PLOTTED => 15:50



**EXISTING MEMBER**



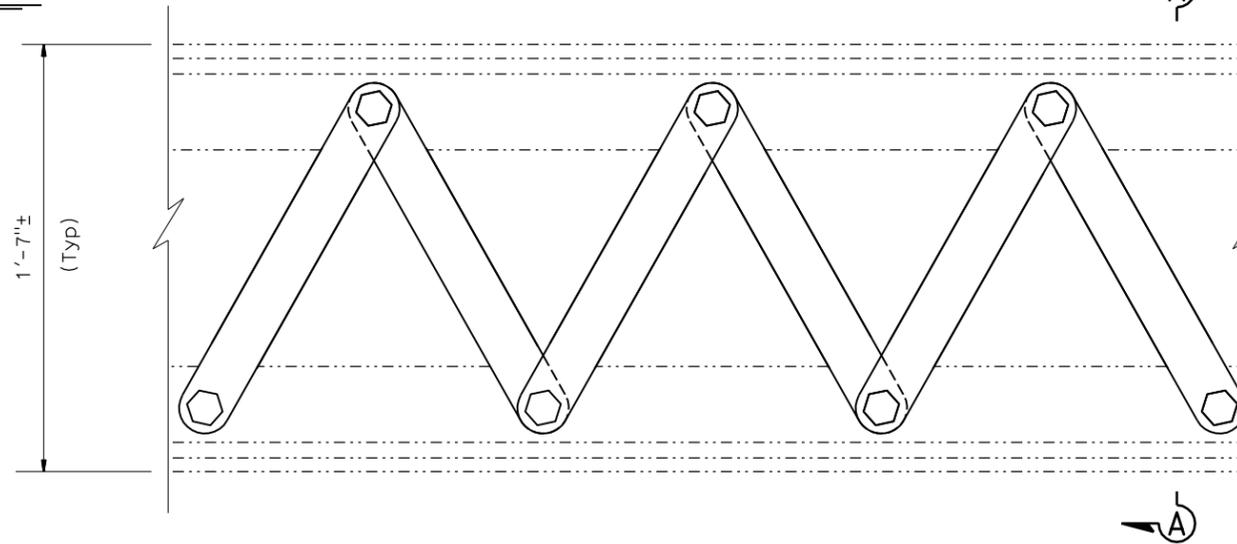
**STRENGTHENED MEMBER**

**RIVET REPLACEMENT CHART**

LOCATION NUMBER	DETAIL	APPROXIMATE LOCATION AND DESCRIPTION OF REPAIR	SPAN NUMBER RIVET REPLACEMENT
3	TRUSS	RECONSTRUCT LEFT STEEL LATTICE	SPAN 7 - (70 RIVETS) SPAN 7 - (68 RIVETS)
4	TRUSS	PIER 5, LEFT TRUSS SOUTH SIDE	SPAN 5 - (2 RIVETS)
5	TRUSS	PIER 5, LEFT TRUSS NORTH SIDE	SPAN 5 - (4 RIVETS)
6	TRUSS	PIER 5, RIGHT TRUSS SOUTH SIDE	SPAN 5 - (4 RIVETS)
7	TRUSS	RIGHT TRUSS NORTH SIDE	SPAN 5 - (1 RIVET)
8	TRUSS	PIER 8, LEFT TRUSS	SPAN 7 - (4 RIVETS)
9	TRUSS	PIER 5, RIGHT TRUSS	SPAN 5 - (3 RIVETS)
10	FLOOR BEAM	FLOOR BEAM TO BOTTOM CHORD GUSSET CONNECTION	SPAN 5 - (1 RIVET)
11	TRUSS	SPAN 7, LEFT TRUSS	SPAN 6 - (1 RIVET)
12	STRINGER	SPAN 7, FLOOR TO BEAM 3 CONNECTION, STRINGER NO. 2 LEFT SIDE	SPAN 7 - (1 RIVET)
13	STRINGER	SPAN 7, FLOOR TO BEAM 3 CONNECTION, STRINGER NO. 2 RIGHT SIDE	SPAN 7 - (1 RIVET)
14	SHED STRINGER	BELOW MECHANICAL SHED, EASTERN COUNTERWEIGHT	SPAN 5 - (13 RIVETS)
15	TRUSS	UPPER STAIRCASE, WESTERN COUNTER WEIGHT, GUSSET PLATE	SPAN 7 - (1 RIVET)

**SECTION A-A**

Br. No. 24-0051  
 3" = 1'-0"



**LATTICE REPAIR DETAIL**

Br. No. 24-0051  
 3" = 1'-0"

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

REVISOR: [Signature] DATE: 12-MAY-2011  
 REVISED PER ADDENDUM NO. 2 DATED MAY 13, 2011

DESIGN	BY Don Acoba	CHECKED J. Rogers
DETAILS	BY David Kish	CHECKED J. Rogers
QUANTITIES	BY Don Acoba	CHECKED J. Rogers

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

**DIVISION OF MAINTENANCE**  
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	VARIOUS
POST MILE	VARIES

**ROUTE 160 BRIDGES**  
**LATTICE REPAIR DETAILS**