

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	99	40.5/40.8	64	76

REGISTERED CIVIL ENGINEER
 JOHN J. LANE
 No. C55042
 Exp. 06-30-16
 CIVIL
 STATE OF CALIFORNIA
 09-08-14 DATE
 10-13-14 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.

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
 AASHTO LRFD Bridge Design Specifications, 4th edition with the California Amendments

SEISMIC DESIGN:
 Caltrans Seismic Design Criteria (SDC), Version 1.7 dated April 2013

DEAD LOAD:
 Includes 35 psf for future wearing surface.

LIVE LOADING:
 HL93 and permit design load.

SEISMIC LOADING:
 $V_s = 890$ ft/sec
 $PGA = 0.25$
 $M_{max} = 6.7$

See "Site Specific ARS Curve"

CONCRETE:

$f_y = 60$ ksi
 $f'_c = 4$ ksi
 $n = 8$

STRUCTURAL STEEL

$f_y =$ ASTM A706 Grade 60

QUANTITIES

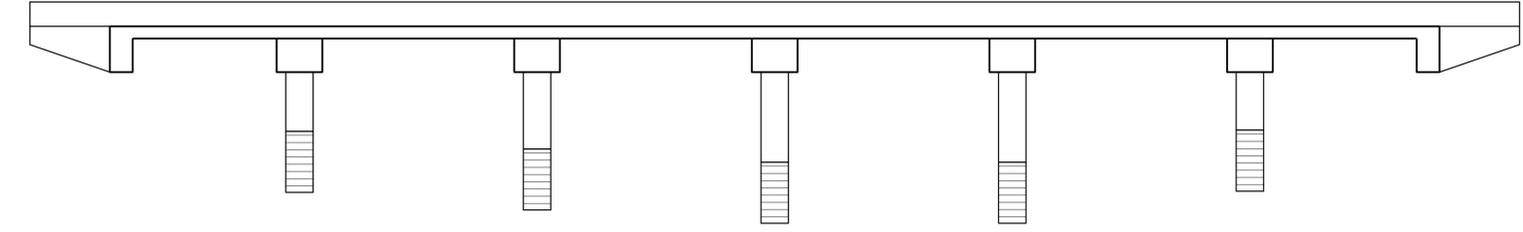
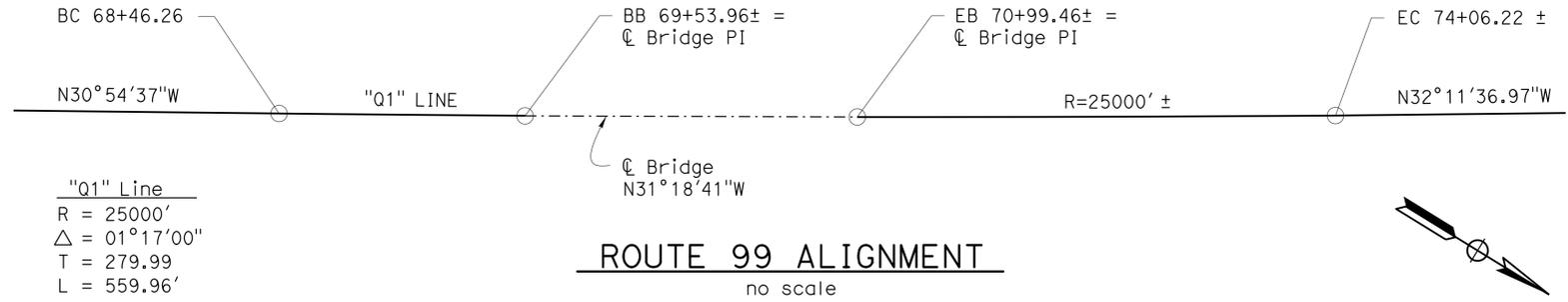
PLUG EXISTING DECK DRAIN	3	EA
REMOVE ASPHALT CONCRETE SURFACING	4,074	SQFT
PREPARE CONCRETE BRIDGE DECK SURFACE	5,820	SQFT
FURNISH POLYESTER CONCRETE OVERLAY	580	CF
PLACE POLYESTER CONCRETE OVERLAY	5,820	SQFT
BRIDGE REMOVAL (PORTION)	LUMP	SUM
STRUCTURE EXCAVATION (BRIDGE)	113	CY
STRUCTURE BACKFILL (BRIDGE)	6	CY
FURNISH STEEL PILING (HP 10 X 57)	477	LF
DRIVE STEEL PILE (HP 10 X 57)	8	EA
36" CAST-IN-DRILLED-HOLE CONCRETE PILING	786	LF
STRUCTURAL CONCRETE, BRIDGE	268	CY
AGGREGATE BASE (APPROACH SLAB)	71	CY
STRUCTURAL CONCRETE, APPROACH SLAB	32	CY
PAVING NOTCH EXTENSION	81	CF
DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	582	EA
JOINT SEAL (MR 1")	86	LF
BAR REINFORCING STEEL (BRIDGE)	147,892	LB
DRILL AND BOND RESIN CAPSULE ANCHOR	1,160	EA
MISCELLANEOUS METAL (BRIDGE)	2,929	LB
TUBULAR BICYCLE RAILING	335	LF
CONCRETE BARRIER (TYPE 732 MODIFIED)	335	LF

STANDARD PLANS 2010

A10A	ABBREVIATIONS (SHEET 1 OF 2)
RSP A10B	ABBREVIATIONS (SHEET 2 OF 2)
A10C	LINES AND SYMBOLS (SHEET 1 OF 3)
A10D	LINES AND SYMBOLS (SHEET 2 OF 3)
A10E	LINES AND SYMBOLS (SHEET 3 OF 3)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
B0-1	BRIDGE DETAILS
B0-3	BRIDGE DETAILS
B0-5	BRIDGE DETAILS
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B7-1	BOX GIRDER DETAILS
RSP B11-55	CONCRETE BARRIER TYPE 732

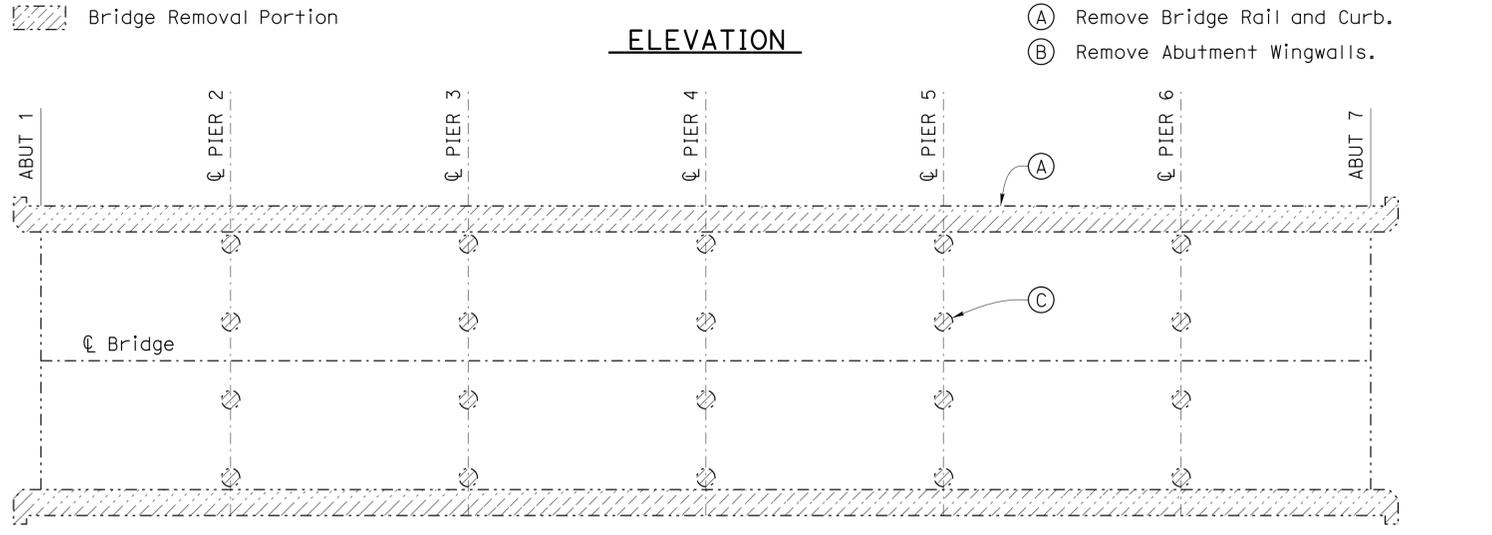
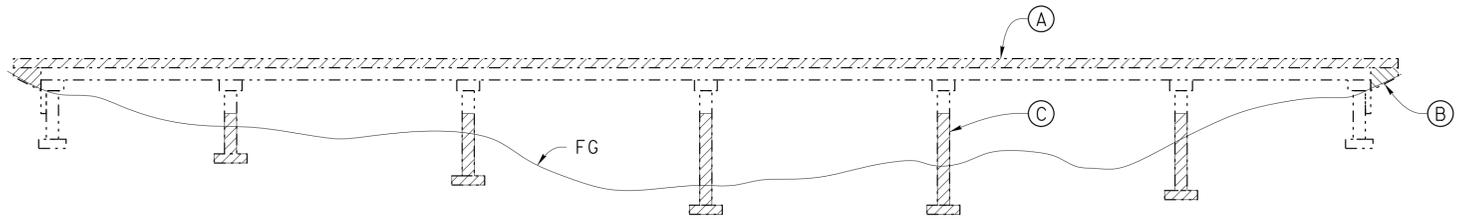
INDEX TO PLANS

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4.	ABUTMENT LAYOUT
5.	ABUTMENT DETAILS
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9.	DECK REINFORCEMENT DETAILS
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11.	STRUCTURE APPROACH
12.	STRUCTURE APPROACH DRAINAGE DETAILS
13.	LOG OF TEST BORINGS 1 OF 2
14.	LOG OF TEST BORINGS 2 OF 2



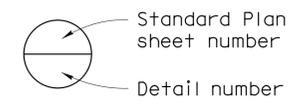
Structural Concrete Bridge (4,000 psi @ 28 days)
 CIDH Concrete Pile (4,000 psi @ 28 days)

CONCRETE STRENGTH AND TYPE LIMITS



PARTIAL STRUCTURE REMOVAL

(A) Remove Bridge Rail and Curb.
 (B) Remove Abutment Wingwalls.
 (C) Remove Pier Columns and Footings after new Pier Cap has been placed and 28 day strength achieved, patch Cap smooth to match and backfill to OG.



4 REPLACED PER ADDENDUM No. 4 DATED FEBRUARY 6, 2015

DESIGN BY J. Lane CHECKED D. Dunrud DETAILS BY T. Mason CHECKED D. Dunrud QUANTITIES BY J. Lane CHECKED T. Mason	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 14	BRIDGE NO. 12-0027	ROCK CREEK BRIDGE (WIDEN) INDEX TO PLANS
			POST MILE 40.65	
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)			UNIT: 3576 PROJECT NUMBER & PHASE: 03000011191	CONTRACT NO.: 03-1F4204
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES: 2/02/2014, 8-15-2014 SHEET 64 OF 76