

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	111	1.5	57	82

Jonathan Szabo
 REGISTERED CIVIL ENGINEER
 DATE: 2-15-13
 PLANS APPROVAL DATE: 6-17-13
 No. C78563
 Exp. 9-30-13
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER

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INDEX TO PLANS

QUANTITIES

STANDARD PLANS DATED 2010

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26	LOG OF TEST BORINGS 1 OF 2
27	LOG OF TEST BORINGS 2 OF 2

LUMP	SUM
220	CY
43	CY
605	CY
130	CY
460	CY
960	LF
360	LF
612	CY
155	CY
89	CY
2	CY
12	EA
6	EA
18	EA
87	LF
327,700	LB
18,100	LB
377	SQFT
34,200	LB
329	LF
446	LF

PLAN NO.	TITLE
A10A	ABBREVIATIONS (SHEET 1 OF 2)
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)
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE
BO-1	BRIDGE DETAILS
BO-3	BRIDGE DETAILS
BO-5	BRIDGE DETAILS
BO-13	BRIDGE DETAILS
B2-3	16" AND 24" CAST-IN-DRILLED-HOLE CONCRETE PILE
RSP B3-3A	RETAINING WALL TYPE 1A (CASE 1)
RSP B3-5	RETAINING WALL DETAILS NO. 1
B3-6	RETAINING WALL DETAILS NO. 2
B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
B11-55	CONCRETE BARRIER TYPE 732
B11-68	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 1 OF 3)
B11-69	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 2 OF 3)
B11-70	CALIFORNIA ST-10 BRIDGE RAIL (SHEET 3 OF 3)
T3A	TEMPORARY RAILING (TYPE K)
T3B	TEMPORARY RAILING (TYPE K)

**GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN**

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th Edition with California Amendments, preface dated November 2011

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC) Version 1.6, November 2010

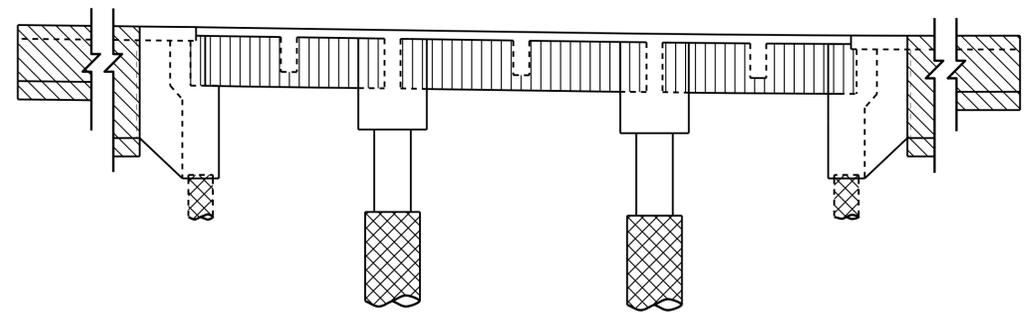
DEAD LOADING: The deck load between girders has been increased by a factor of 10% to allow for the use of steel deck forms. Includes 35 psf for future wearing surfaces.

LIVE LOADING: HL93 and permit design load

SEISMIC LOADING: Soil Profile: Vs30 = 886 ft/s, Moment Magnitude: Mmax = 6.5 Peak Ground Acceleration: 0.9 g

REINFORCED CONCRETE: $f_y = 60$ ksi
 $f'_c = 4,000$ psi @ 28 Days
 $n = 9$

PRESTRESSED CONCRETE: See "PRESTRESSING NOTES" on "PRECAST PRESTRESSED I GIRDER" sheet

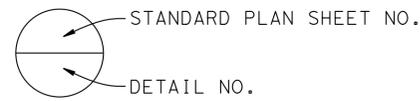


- Structural Concrete, Bridge
- Structure Concrete, Retaining Wall (3,600 psi @ 28 days)
- Precast Prestressed I Girder Concrete, see "PRECAST PRESTRESSED I GIRDER" sheet
- CIDH Concrete

CONCRETE STRENGTH AND TYPE LIMITS

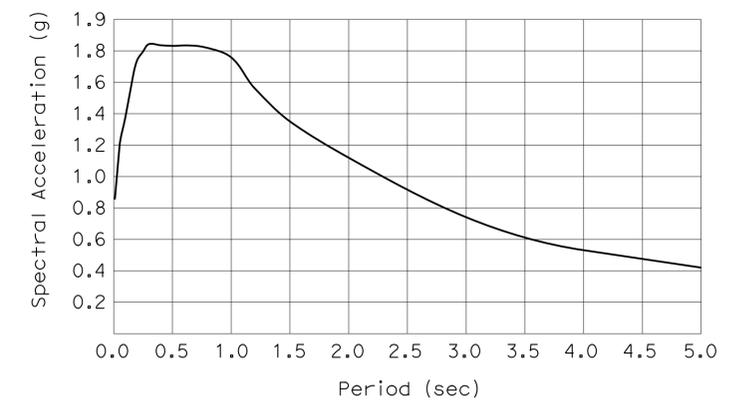
No Scale

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



Location	Pile Type	Nominal Resistance (kips)		Design Tip Elevation (feet)	Specified Tip Elevation (feet)
		Compression	Tension		
Abutment 1	24" CIDH Concrete Pile	300	0	217.25	217.25
Bent 2	72" CIDH Concrete Pile	1360	0	174.90	174.90
Bent 3	72" CIDH Concrete Pile	1360	0	174.60	174.60
Abutment 4	24" CIDH Concrete Pile	300	0	217.25	217.25

Note: Design tip elevations are controlled by (a) Compression, (b) Tension



ACCELERATION RESPONSE SPECTRUM

1 REPLACED PER ADDENDUM No. 1 DATED OCTOBER 1, 2013

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 09-01-10)	DESIGN	BY J. Szabo	CHECKED L. Wu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH 10	BRIDGE NO.	SALT CREEK BRIDGE (REPLACE) INDEX TO PLANS		
	DETAILS	BY D. Wooten/J. Szabo	CHECKED J. Szabo			56-0854			
	QUANTITIES	BY J. Szabo	CHECKED A. McPhee/M. Vo			POST MILE		1.51	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					UNIT: 3589	PROJECT NUMBER & PHASE: 0800000714	CONTRACT NO.: 08-449101	REVISION DATES	SHEET 2 OF 27

01-OCT-2013 11:22
 DATE PLOTTED =>
 TIME PLOTTED =>
 USERNAME => s121614