

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	866R2	1204

REGISTERED CIVIL ENGINEER DATE 09-15-2006

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.

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## INDEX TO PLANS 2

SHEET NO.	TITLE
865R2	CROSS SECTION
866R2	INDEX TO PLANS
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868R2	DECK PLATE DETAILS NO. 2
869R1	CHANNEL ASSEMBLY DETAILS NO. 1
870R1	CHANNEL ASSEMBLY DETAILS NO. 2
871R2	SUPPORT PLATE DETAILS
872R2	REINFORCEMENT DETAILS

## GENERAL NOTES LOAD FACTOR DESIGN 1

**DESIGN:**  
Bridge Design Specifications (2000 LFD, AASHTO with Interims and revisions by Caltrans )

**LIVE LOADING:**  
HS20-44, Alternative Military and Permit Design loads impact: 75%

**STRUCTURAL STEEL:**  
ASTM A709/A709M Grade 50 [345] unless noted otherwise.

**BOLTS:**  
ASTM A449 galvanized unless noted otherwise.

**WELDING:**  
All structural steel plate interface connections shall be made with continuous complete joint penetration (CJP) welds unless noted otherwise.

**SEISMIC LOADING:**

**STRUCTURAL CONCRETE:**  
Mild Steel Reinforcement (ASTM A706)  $f_y = 415$  MPa,  $f_u = 738$  MPa

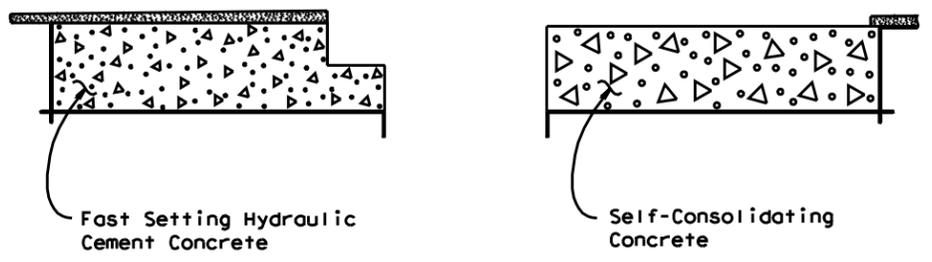
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO #
<span style="border: 1px solid black; padding: 2px;">2</span>	1/7/08	Seismic Joint Modifications Hinge A	TD	AK	25
<span style="border: 1px solid black; padding: 2px;">1</span>	9/15/06	Sheet numbering/Legend	TD	AK	25

REVISIONS

CONTRACT CHANGE ORDER NO. 25  
SHEET \_\_\_ OF \_\_\_

## LEGEND 1

- AC Overlay
- Fast Setting Hydraulic Cement Concrete (FSHCC)  
( $f_{ci} = 14$  MPa @ 3 hours  
 $f_c' = 35$  MPa @ 56 days)
- Self-Consolidating Concrete (SCC) Bridge  
( $f_c' = 35$  MPa @ 56 days)



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



DESIGN	BY E DELIS	CHECKED A KARTOUM
DETAILS	BY A R DUDSAK	CHECKED A KARTOUM
QUANTITIES	BY E DELIS	CHECKED A KARTOUM

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
STRUCTURE DESIGN  
SPECIAL DESIGNS BRANCH

BRIDGE NO.  
34-0006 L/R  
KILOMETER POST  
13.2/13.9

SAN FRANCISCO OAKLAND BAY BRIDGE  
EAST SPAN SEISMIC SAFETY PROJECT  
SELF-ANCHORED SUSPENSION BRIDGE  
(SUPERSTRUCTURE & TOWER)  
SEISMIC JOINT (HINGE A)  
INDEX TO PLANS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN



CU 04  
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES	SHEET	OF
1/2006 8/18/06 10/2006 1/7/08	449R2	

FILE => spec\_des\_br\_proj/04-0120F1/#REQUEST

STRUCTURES DESIGN DETAIL SHEET (METRIC) (REV.03-17-04)

DATE PLOTTED => \$DATE USERNAME => \$USER