DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	864R1	1204

Caltrans Metric

REGISTERED ENGINEER - CIVIL

12-06-04

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Marwan N. Nader No. C 054426 Exp. 12/31/11 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.

T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

EXPANSION JOINT MOVEMENT DATA

Location	Longitudinal movement demand (includes effect due to rotation @ vertical axis - SEE) (includes effect due to rotation @ trans axis - Live)							Transverse movement demand	Rotation demand (SEE)		
	Closing			Opening					@ vertical axis	@ transverse axis	@ longitudinal axis
	Trise	SEE	Live	CS	Tdrop	SEE	Live				
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(rad)	(rad)	(rad)
Hinge AW, AE	179	1140	62	160	179	1170	16	24	0.009	0.037	0.008

LEGEND:

Trise - Uniform temperature rise and positive temperature gradient

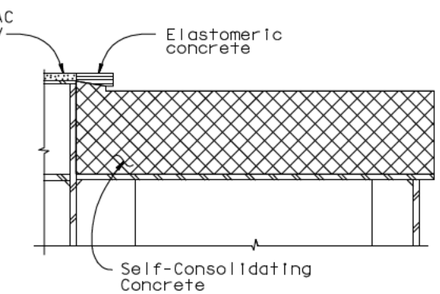
Tdrop - Uniform temperature drop and negative temperature gradient

CS - Creep and shrinkage (includes a factor of 1.5 over calculated theoretical values at the inception of Skyway)

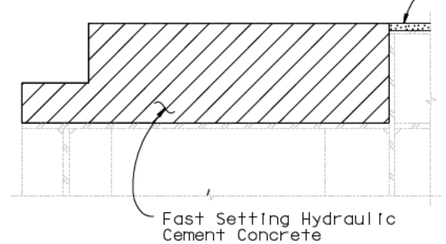
SEE - Safety Evaluation Earthquake

BLOCKOUT DIMENSIONS

Hinge	Blockout Data		Deck overlay thickness (mm)
	"b" (mm)	"c" (mm)	
AW, AE	2465	625	Varies



SAS



SKYWAY

CONCRETE STRENGTH AND TYPE LIMITS

Fast Setting Hydraulic Cement Concrete (FSHCC)
(f_c'i = 14 MPa @ 3 hours
f_c' = 35 MPa @ 56 days)

Self-Consolidating Concrete (SCC) Bridge
(f_c'= 35 MPa @ 56 days)

Epoxy AC Overlay

Elastomeric Concrete

CONTRACT CHANGE ORDER NO. ____
SHEET ____ OF ____

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
Roya Valizadeh / Vong Toan / Y. Liu
SIGN OFF DATE 07/30/10

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	07/30/10	SEISMIC JOINT MODIFICATIONS HINGE A	CR	MN	25

REVISIONS

DESIGN	BY M. Nader	CHECKED N. Vo	
DETAILS	BY J. Krizek	CHECKED N. Vo	
QUANTITIES	BY J. Krizek	CHECKED N. Vo	

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

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

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)

HINGE A EXPANSION JOINT DETAILS NO. 2

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY) 04/09/02 07/01/02 12/13/02 07/18/03

SHEET 447R1 OF

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100 % PS&E

DATE PLOTTED -> 30 JUL 2010 TIME PLOTTED -> 11:35:18

USERNAME -> arivera