



**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 10:02 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 076 Const Calendar Day: 288 Date: 23-Jun-2010 Wednesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge

**Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day  If no, explain:

**Diary:**

Dispute

**General Comments**

ITEM 52 FURNISH STRUCTURAL STEEL (BRIDGE)(TOWER);  
ITEM 55 FURNISH STRUCTURAL STEEL (BRIDGE)(BOX GIRDER);  
HIGH STRENGTH FASTENER ASSEMBLY PRE-INSTALLATION TESTING:

For ABF, engineer Sabrina Levine is present for sampling and engineer Chris Bausone is present for testing. For CT, Mohammad Awal and Bob Brignano are present for the sampling and testing. Today's testing is for rotational capacity, minimum tension verification, and inspection torque. Work happens at Bolt Testing Conex ABF ID 002079 with Skidmore Model HT 4000 ABF ID 000612 in the warehouse. Sampling and testing rocap lots are between 0900 and 1230 (work through lunch). Ten (10) rocap lots (M22) are tested.

When the length to diameter ratio changes from under 8.0 to over 8.0, the installation turn amount is supposed to increase from 180 degrees (1/2 turn) to 240 degrees (2/3 turn) and the rocap turn amount is supposed to increase from 360 degrees (1 turn) to 420 degrees (1-1/6 turns). However, for the first rocap lot where this change is supposed to happen, the computer "net" that controls the automated Skidmore machine is not properly updated. The test performed with the incorrect turn amounts are discarded, new assemblies are sampled, and testing resumes with the new assemblies. The full required number of tests with the proper turn amounts are performed without issue.

See the attached Bolt Test Form for details of the testing.

