



**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 19-Nov-14

Time 4:59 PM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 046 Const Calendar Day: 175 Date: 02-Mar-2010 Tuesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: 10-Oct-13 Status: Approved

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

**Weather**

Temperature 7 AM 12 PM 4PM

Precipitation Condition

Working Day  If no, explain:

**Diary:**

Dispute

**General Comments**

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



At Pier 7 Warehouse, pull samples and test rotational capacity, minimum tension verification, and inspection torque for high strength bolts. These bolts are for OBG field bolting. Caltrans witnessing of bolt sampling and testing is by Bob Brignano.

Fourteen (14) lots are sampled today. They are M24x60, M24x65, M24x75, M24x80, M24x85, and M24x110 A325M mechanically galvanized. The LeJeune Lot numbers are DHGM240030, DHGM240031, DHGM240032, DHGM240043, DHGM240044, DHGM240107, DHGM240039, DHGM240072, DHGM240041, DHGM240048, DHGM240049, DHGM240057, DHGM240103, and DHGM240104. For each lot, five (5) assemblies are sampled.

One (1) lot is tested today. The LeJeune Lot number DHGM240043 M24x65 assemblies are tested today. For this lot, five (5) assemblies are tested. Midway through the testing of this first lot, the gearbox of the Skidmore Model HT 4000 starts making an unusual noise. We check past data and determine that the test results are consistent with previous tests. After completing 5 tests on the LeJeune Lot number DHGM240043 M24x65 assemblies, the first assembly from LeJeune Lot number DHGM240044 M24x65 assemblies is tested. The noise from the Skidmore Model HT 4000 was getting worse as the testing progressed through the bolts, so we decide to stop testing for the day. ABF will check with their mechanics as well as Skidmore to determine how to examine and possibly fix the equipment. Testing will resume at a later date when the equipment has been fixed.

Equipment = Bolt Testing Conex ABF ID 002079 (1.5 hrs) and Skidmore Model HT 4000 ABF ID 000612 (1.0 hrs).

For ABF, engineer Sabrina Levine is present for sampling and engineer Chris Bausone is present for testing.

Sampling is from 1130 to 1200 in the morning for 0.5 hours and testing is in the afternoon from 1430 to 1530 for 1 hour.

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