



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:02 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 680 Const Calendar Day: 116 Date: 28-Sep-2012 Friday
Inspector Name: Bruce, Matt Title: Transportation Engineer
Inspection Type: Continuous
Shift Hours: 07:00 am 07:30 pm Break: 00:30 Over Time: 04:00
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 50 - 60 12 PM 50 - 60 4PM 50 - 60
Precipitation 0.00" Condition Dense fog to partly sunny to dense fog

Working Day If no, explain:

Diary:

Dispute

Work description.

- Measured the bolt elongations with the Caltrans CT-1 Extensometer for the following cable bands:

16S, 18S, 34S, 36S, 38S, 40S, 46S, 70S, 72S, 80S, 82S

16N, 18N, 36N, 38N, 46N, 70N, 72N, 80N, 82N

The measurements were taken by myself, John Lyons, Alex Schmitt and Victor Pereyra. John took the majority of the readings on the digital dial and recorded the number. Alex, Victor, and myself positioned/handled the Extensometer on most of the cable band bolts.

The only cable bands bolts that were measured today before and after stressing were 40S, 80S and 82S. It should be noted that the cable bands 46S and 46N were stressed but will have to be detensioned due to the minimal gap measurements taken between the cable band halves. Cable bands at panel point 46 are to be connected and loaded in Phase 2 of load transfer which is currently underway. It is imperative to resolve this issue prior to loading the suspenders with the OBG dead load. ABF ironworker crews did not take care in ensuring the proper distribution of stress while closing the band halves. See Brian Wolcott, Saman Soheilifard, and Alex Schmitt's diaries for more details on this issue and work.

Taking measurements with the Extensometer of the cable band bolt elongations is physically and mentally challenging work and took the majority of the day to complete. The cable bands presented above are the benchmark for measuring every day during Phases 2 and 3 of load transfer. If any of these bands are stressed during the day measurements will be done again. This requires following the cable band bolt tensioning crews during the 12hr shift.

