



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:53 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 383 Const Calendar Day: 100 Date: 12-Sep-2012 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:30 AM 06:00 PM Break: 00:30 Over Time: 03:00

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 12 PM 4PM
Precipitation Condition

Working Day [checked] If no, explain:

Diary:

Dispute

Phase 1 Load Transfer

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Phase-1 load transfer (LT) step 2c-Add was completed
- Phase-1 load transfer (LT) step 2d-Add was completed
- Phase-1 load transfer (LT) step 2e-Add was completed
- Phase-1 load transfer (LT) step 2a-Adj was completed
- Phase-1 load transfer (LT) step 2b-Adj was started
- Re-tensioning of cable band (CB) bolts
- Jacking of the jacking saddle

Today I was inspecting the LT suspender jacking operation on the South cable. They had 2 crews jacking on the South cable today. See the diary of Sami Daouk & Laraine Woo for additional details for the South cable suspender jacking. See the diary of others for information on the North cable suspender jacking, jacking saddle jacking, & cable band bolt tensioning.

- I arrived at the pier 7 office at 06:30, & was on the bridge at 06:50.
- Throughout the entire shift, Gary Anderson's crew was jacking on the suspenders on the South cable. For most of the shift, I was measuring remaining jacking lengths (RJLs) while others were watching the jacking pressures. Occasionally, I would also watch the jacking pressures when someone needed a break.
- At 07:30, I noticed that they had started jacking at PP26S
- From 07:00 until 08:30, Gary's crew was jacking on the step 2c-Add suspenders on the South cable.
- At 07:30, during the jacking in step 2c-Add, I noticed that they had started jacking at PP26S (which is not supposed to be jacked during this step). I mentioned this to ABF Engineer Ben Jones, & he stopped the jacking. The maximum pressure during this jacking was 3000 psi, & then released the jacks to the point where the remaining jacking length should be for this sub-step. So they got back into sequence according to the LT Plan submittal.
- From 08:30 until 09:45, Gary's crew was jacking on the step 2d-Add suspenders on the South cable.
- From 09:45 until 11:30, Gary's crew was jacking on the step 2e-Add suspenders on the South cable.
- From 11:30 until 15:45, Gary's crew was jacking on the step 2a-Adj suspenders on the South cable.
- At 14:30, they paused the jacking on the suspenders at PP86S because they reached the intermediate do-not-exceed (DNE) pressure of 5100 psi. This is not the final suspender DNE pressure, but is an intermediate hold point for ABF to re-tension the friction clamp bolts. The friction clamp bolts were re-tensioned prior to completing the jacking at this suspender.
- From 15:45 until the end of the shift, Gary's crew was jacking on the step 2b-Adj suspenders on the South cable. They did not complete this step, & only
- Note: Each time Gary's crew was jacking on any suspenders, we observed the pressure gauge to ensure



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that they stayed within the do-not-exceed (DNE) pressure. The maximum suspender jacking pressure observed today was 6200 psi (at PP986S), which was well within the DNE of 9069 psi.

- Note: After the suspender jacking at each panel point, we measured the remaining jacking length (RJL) to make sure they were in accordance with the LT plan submittal. Each of the RJL measurements matched the theoretical numbers in the LT plan submittal.

- At 17:10, Gary's crew wrapped up their tools to end the shift.

- From 17:10 until 17:20, I met with Laraine Woo to give her the jack pressure & RJL data that I collected throughout the shift. She was compiling the data for the day to send back to the office.

- At 17:30, I left the bridge.

- From 17:45 until 18:00, I wrote my diary for the day & checked email.
