



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:52 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 393 Const Calendar Day: 113 Date: 25-Sep-2012 Tuesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:30 AM 08:30 PM Break: 00:30 Over Time: 05:00

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 11a-Adj was completed (started yesterday)
- Phase-1 LT step 12a-Adj was completed
- Phase-1 LT step 13a-Adj was completed
- Phase-1 LT step 14a-Adj was completed
- Phase-1 LT step 15a-Adj was completed
- Phase-1 LT step 16a-Adj was completed
- Phase-1 LT step 17a-Adj was completed
- Phase-1 LT step 17b-Adj was started
- Re-tensioning of cable band (CB) bolts
- Installation of suspender anchor rods

Today I was inspecting the LT suspender jacking operation on the South cable. See the diaries of Laraine Woo, Sami Daouk, P. Jalali, & F. Carpio for additional details for the South cable suspender jacking as they were also inspecting this work. See the diary of others for information on the North cable suspender jacking & CB bolt tensioning.

- I arrived at the pier 7 office at 06:30, & was on the bridge at 06:50.
- Throughout most of the shift, I inspected the suspender jacking on the South cable, including monitoring jack pressures & measuring RJLs. 3 crews were jacking on the suspenders on the South cable. For portions of the shift, I was inspecting the anchor rod installation.
- From 07:00 until 07:45, jacking on the LT step 11a-Adj suspenders on the South cable was ongoing.
- From 07:45 until 09:00, jacking on the LT step 12a-Adj suspenders on the South cable was ongoing.
- At 09:00, jacking on the LT step 13a-Adj suspenders on the South cable was started.
- From 10:30 until 15:20, I left the inspection of the suspender jacking to help Roman Granados with inspecting thread engagement on the suspender anchor rods. We measured several rods that have already been installed. Also, we started to mark an additional reference line (offset 50mm from the minimum required engagement) on the suspender anchor rods that have not yet been installed.
- At 15:20, I went back to inspecting the suspender jacking on the South cable. At this time, jacking on the LT step 17a-Adj suspenders on the South cable was ongoing.
- At 16:10, jacking on the LT step 17a-Adj suspenders on the South cable was completed.
- From 16:10 until 16:25, jacking on the LT step 17b-Adj suspenders on the South cable was ongoing.
- At 16:25, ABF stopped the work of suspender jacking. This was because they did not want to continue to bring the sockets closer to the bottom flanges to give the crews working room to be able to more easily install the anchor rods.



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Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 393

Date: 25-Sep-2012 Tuesday

- Note: Each time the crews were jacking on any suspenders, we observed the pressure gauge to ensure that they stayed within the do-not-exceed (DNE) pressure. The maximum suspender jacking pressure observed today was 8500 psi (at PP98S), which was within the DNE of 9069 psi.
- Note: After the suspender jacking, we measured all of the remaining jacking lengths (RJLs) to make sure they were in accordance with the LT plan submittal. Each of the RJL measurements was close to the theoretical numbers in the LT plan submittal.
- From 16:25 until the end of the shift, the crews switched from suspender jacking to installing anchor rods.
- From 16:25 until the end of the shift, I measured the distances from the sockets to the bottom flanges on the phase-1 suspenders. Roman asked for this to be done because of a potential issue. The 2 sockets on a given suspender rope should be approximately equidistant from the bottom flange. However, some are not by as much as 200mm.
- At 19:00, I left the bridge.
- From 19:00 until 19:15, I compiled the jacking pressure data & the RJL measurement data that was collected today on the South cable. This data left in the drop box to be input into the master spreadsheet by office personnel.
- From 19:15 until 19:45, I spoke with Roman Granados & Warren Collins regarding the differing distances from the suspender sockets to the bottom flange.
- From 19:45 until 20:15, I created a simple spreadsheet to input the measurement data that was collected today on the distances between the suspender sockets & the suspender bracket bottom flanges. I then emailed this spreadsheet to Roman & Warren.
- From 20:15 until 20:30, I wrote my diary for the day & checked email.

04-0120F4 Bid Item: 067 C-SUS-BGS.067 Attach BG Lifts to Suspenders
AMERICAN BRIDGE/FLUOR, A JV

