



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 #: 397 Const Calendar Day: 117 Date: 29-Sep-2012 Saturday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:40 AM 04:15 PM Break: 00:30 Over Time: 09:00

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 for additional rotation of the cable was completed
- Phase-2 LT continued
- Re-tensioning of cable band (CB) bolts
- Installation of suspender anchor rods
- Prep work for phase-3 LT

Today I was inspecting Obra Paulk's crew on the installation of suspender anchor rods on the South cable, measuring minimum thread engagement on the suspender anchor rods, watching the jacking pressures while loading the phase- LT suspenders, & other misc inspection. See the diaries of S. Daouk & P. Jalali for additional details of the work on the South cable 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 06:40, & was on the bridge at 07:00.
- From 07:00 until 08:00, I inspected the ABF crews as they jacked on the suspenders at PPs 14S & 10S. This was a continuation of phase-1 LT to correct cable rotation & transfer the load from the temporary jacking rods to the permanent anchor rods. The maximum jacking pressure noticed during this LT suspender jacking was 8600 psi, which was within the DNE of 9069 psi.
- From 08:00 until 09:45, I was inspecting the minimum thread engagement on suspender anchor rods on the South cable. As the crew completed the rods at a given PP, I checked the rods to make sure that the minimum thread engagement was achieved. We had previously marked a reference line at the required minimum thread engagement plus 50mm from the end of the rod, & the check is make sure that the 50mm reference line is less than 50mm from the bottom of the socket. See attached photo.
- From 09:45 until 10:00, I checked the suspender center marks at PP46S after it had been loaded to make sure that it did not slip.
- From 10:00 until 10:45, I checked the CB rotation on all CBs in the South side-span. I used a digital level placed along the stanchion pads. The theoretical angle on this pad should be 90 degrees (plumb). The measured angles of all of the loaded phase-1 CBs were within + or - 1 degree of plumb. The measured angles of a couple of the unloaded phase-3 CBs were off by up to 3 degrees.
- From 10:45 until 12:00, I was inspecting the minimum thread engagement on recently installed suspender anchor rods on the South cable.
- From 12:00 until 12:30, I ate lunch.
- From 12:30 until 14:30, I was inspecting the minimum thread engagement on recently installed suspender anchor rods on the South cable.
- From 14:30 until 14:45, I checked the suspender center marks at PP44S after it had been loaded to



## Daily Diary Report by Bid Item

**Job Name:** 04-0120F4    **Inspector Name** Wright, Doug    **Diary #:** 397    **Date:** 29-Sep-2012    **Saturday**

make sure that it did not slip.  
 - From 14:45 until 15:00, I filled out the inspection checklist for the suspender jacking & anchor rod work that was completed during the day.  
 - At 15:05, the crews wrapped up their tools to end their shift.  
 - At 15:20, I left the bridge.  
 - From 15:30 until 16:15, I wrote my diary for the day, checked email, updated the vehicle mileage log, & sent my timesheet for the week.

**04-0120F4    Bid Item: 067    C-SUS-BGS.067    Attach BG Lifts to Suspenders**

AMERICAN BRIDGE/FLUOR, A JV

**Labor**

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	JNM	ROGELIO RUIZ	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	MARIO MARQUEZ	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	RIGOVERTO GARCIA	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	CARLOS BUSTAMANTE	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	FOR	OBRA PAULK	0.00	8.00	0.00	8.00		<input type="checkbox"/>

**Attachment**



Minimum thread engagement reference mark 47mm from socket (less than 50mm is needed to ensure required thread engagement)