



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 4:06 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 303 Const Calendar Day: 982 Date: 17-May-2012 Thursday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 AM 08:00 AM 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 12 PM 4PM
Precipitation Condition

Working Day [checked] If no, explain:

Diary:

Dispute

Cable Band

[checkbox]

Overview of work today:

Cable band (CB) installation was ongoing on the South main-span & South side-span. Also, they were tensioning CB bolts on the North side-span. Also, they were un-installing CBs in the North main-span.

I was inspecting Tony Costa's crew on CB installation at the South side-span. See below for a list of labor for this crew. Occasionally, I was inspecting James Sturgeon's crew on CB bolt tensioning on various spans. Others (L. Woo, S. Daouk, J. Lyons) were inspecting the CB installation at other spans. See their diaries for additional details.

- I arrived at the pier 7 office at 07:00, & was on the bridge at 07:20.

Work on CB installation & tensioning:

- From 07:20 until 08:30, the crew was installing the CB at PP 34S. The installed CB was generally acceptable.
- From 08:30 until 12:00, the crew mobilized their tools to the North main-span, & was offloading material from a barge.
- From 08:30 until 09:30, I was inspecting the CB bolt tensioning at PP40N. All of the bolts were simultaneously brought up to 17,400 psi with bolt tight jacking equipment. They were then re-cycled up to 17,400 psi 3 additional times to try to make sure all of the bolts had equalized tension. After tensioning, there were some bunching wires in the bottom gap between CB halves. Also, there was one pinched wire noticed in the bottom gap between CB halves (see attached photo). Also, there was a slight vertical misalignment between the CB halves (see attached photo). I mentioned these things to Roman Granados & Warren Collins.
- Note on CB tensioning: At no point in during the bolt tensioning did the jack pressures exceed 17,400 psi.
- From 09:30 until 11:30, I was taking measurements & photographs of installed & tensioned CBs to collect information for the CB update report that is being compiled by Saman.
- From 11:30 until 12:15, I went back to the pier 7 office to give the CB update measurement data & photographs to Saman so he could include it in the update report.
- From 12:30 until 14:00, the CB at PP36N was being un-tensioned because the gaps & vertical alignment were not acceptable.
- From 14:00 until 15:00, Tony's crew attempted to correct the misalignment on the CB at PP36N. They spread the 2 halves apart, & then brought them back together 3 different times. First bringing the top halves together prior to the bottom halves, then bringing the bottom halves together prior to the top halves, & then bringing both halves together at the same time. None of these corrected the vertical misalignment, which remained at about 5-6mm. I spoke with Roman & Warren about the attempted



Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name** Wright, Doug **Diary #:** 303 **Date:** 17-May-2012 **Thursday**

- correction.
- From 15:00 until the end of the shift, Tony's crew was offloading suspender brackets from a barge.
 - From 15:15 until 17:00, I continued taking measurements & photographs of installed & tensioned CBs to collect information for the CB update report that is being compiled by Saman.
 - At 17:00, I left the bridge.
 - From 17:10 until 18:30, we had a Cable meeting to discuss the current issues with CB installation & tensioning. We discussed mitigation work ABF will be doing (removing the CBs on the North main-span, machining CBs, etc), tolerances, sign-off sheets, & other misc items.
 - From 18:30 until 19:00, I sorted the photographs that I had taken this afternoon, & gave them to Saman for inclusion in the CB update report he is compiling.
 - From 19:00 until 19:30, I updated the CB installation inspection checklist based on some comments by Warren Collins, & emailed it out to the group.
 - From 19:30 until 19:45, I filled out the inspection checklists for the CB installation that I inspected today.
 - From 19:45 until 20:00, I wrote my diary for the day.

04-0120F4 Bid Item: 067 C-PWS-CBD.067 Install Cable Bands

AMERICAN BRIDGE/FLUOR, A JV

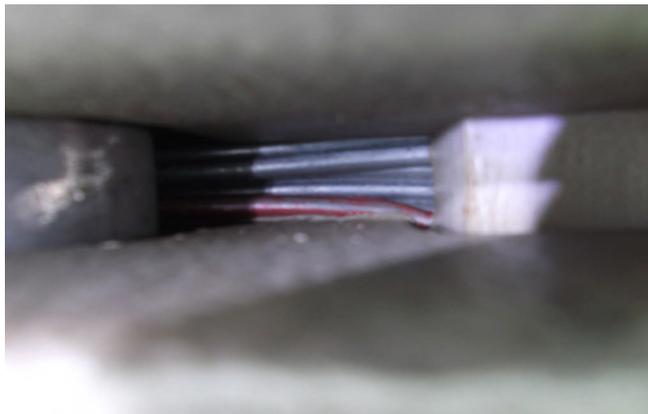
Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	APP	JACOB MECHE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	AUGIE SOLIS	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	KEVIN RATCLIFF	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	CASEY LUX	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	ANTHONY COSTA	8.00	2.00	0.00	10.00		<input type="checkbox"/>

Attachment



Vertical offset between CB halves of about 4-5mm at PP-40N



Pinched wire in bottom gap between CB halves at PP-40N