



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 4:05 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 306 Const Calendar Day: 986 Date: 21-May-2012 Monday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:50 AM 18:30 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

Cable Band

[checkbox]

Overview of work today:

Cable band (CB) installation was ongoing on the South main-span. Also, they were tensioning CB bolts on the South side-span.

I was inspecting James Sturgeon's crew on CB bolt tensioning & Tony Costa's crew on various duties including off-loading barges. See below for a list of labor for these crews. Others (L. Woo, S. Daouk, V. Altimarano, A. Iranmenesh) were inspecting the CB installation, CB cleaning, & CB grinding. See their diaries for additional details.

- I arrived at the pier 7 office at 06:50, & was on the bridge at 07:10.

Work on CB installation & tensioning:

- From 07:10 until 08:20, James' crew was tensioning the CB bolts at PP34S. This tensioning was started Saturday afternoon.

- From 07:10 until the end of the shift, Tony's crew was off-loading suspender ropes from a barge to the bridge deck.

- From 08:20 until 08:40, James crew was mobilizing the tensioning equipment to PP32S for initial tensioning. During this time, I made the final CB measurements at PP34S of the gaps between CB halves, offsets to the 1.5m reference lines, circumferences, rotation line offset from top groove center, & suspender groove alignment. All of the checks were within tolerance. However, I noticed that it appeared as if the gaps between CB halves were bowed, indicating some possible bending in the CBs similar to what was seen on the CBs on Saturday.

- From 08:40 until 09:45, James' crew was tensioning the CB bolts at PP32S.

- From 09:45 until 10:30, James crew was mobilizing the tensioning equipment to PP30S for initial tensioning. During this time, I made the final CB measurements at PP32S of the gaps between CB halves, offsets to the 1.5m reference lines, circumferences, rotation line offset from top groove center, & suspender groove alignment. All of the checks were within tolerance.

- From 10:30 until 13:30, James' crew was tensioning the CB bolts at PP30S. They spent about 90 minutes trying to equalize the gaps between CB halves.

- From 13:30 until 14:00, James crew was mobilizing the tensioning equipment to PP28S for initial tensioning. During this time, I made the final CB measurements at PP30S of the gaps between CB halves, offsets to the 1.5m reference lines, circumferences, rotation line offset from top groove center, & suspender groove alignment. All of the checks were within tolerance except that the top gaps between CB halves were not parallel within tolerance (the top uphill gap is 21mm, & the top downhill gap is 14mm). However, the crew spent a lot of time trying to get the gaps to equalize, but the gaps always went back to



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Job Name: 04-0120F4 **Inspector Name** Wright, Doug **Diary #:** 306 **Date:** 21-May-2012 **Monday**

about the same 7-8mm difference between uphill & downhill gaps.

- From 14:00 until 15:10, James' crew was tensioning the CB bolts at PP28S.
- From 15:10 until 15:40, James crew was mobilizing the tensioning equipment to PP26S for initial tensioning. During this time, I made the final CB measurements at PP28S of the gaps between CB halves, offsets to the 1.5m reference lines, circumferences, rotation line offset from top groove center, & suspender groove alignment. All of the checks were within tolerance.
- From 15:40 until 16:20, James' crew was having difficulties installing a jack onto one of the bolts at PP26S. On bolt 26S-5, the nut would run down on the bolt, but the threads of the jack would not run down on the bolt. They tried to clean the threads without success. Finally, they decided to skip this CB, & move onto PP24S.
- From 16:20 until the end of the shift, James crew was mobilizing the tensioning equipment to PP24S for initial tensioning.
- At 16:30, I spoke with ABF Engineer Andre Markarian about the bolt at PP26S, & he said that they plan to switch out this bolt with one of the spare CB bolts. I reminded him that they need to make sure that the unstressed length of the spare bolt is measured with the extensometer & the Mini-Max prior to tensioning. Also, I called Tai-Lin Liu, & told him to expect to meet with ABF to witness the extensometer on the unstressed spare bolt & to get unstressed Mini-Max measurements.
- Note on CB tensioning: At no point in during the bolt tensioning did the jack pressures exceed 17,400 psi.
- At 17:10, I left the bridge.
- From 17:20 until 18:00, I spoke with Roman Granados to give him an update of the activities from the field for today.
- From 18:00 until 18:15, I filled out the inspection checklists for the CB installation & tensioning that I inspected today.
- From 18:15 until 18:30, 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	MORRIS ROBERSON	8.00	2.00	0.00	10.00	About 6 hrs on CCO (equalizing CB gaps) & 4 hrs on item work	<input type="checkbox"/>
Ironworker	JNM	JAMES WILKERSON	8.00	2.00	0.00	10.00	About 6 hrs on CCO (equalizing CB gaps) & 4 hrs on item work	<input type="checkbox"/>
Ironworker	APP	ROBERT MARTELL	8.00	2.00	0.00	10.00	About 6 hrs on CCO (equalizing CB gaps) & 4 hrs on item work	<input type="checkbox"/>
Ironworker	APP	JOSHUA JACKS	8.00	2.00	0.00	10.00	About 6 hrs on CCO (equalizing CB gaps) & 4 hrs on item work	<input type="checkbox"/>
Ironworker	FOR	JAMES STURGEON	8.00	2.00	0.00	10.00	About 6 hrs on CCO (equalizing CB gaps) & 4 hrs on item work	<input type="checkbox"/>
Ironworker	APP	JACOB MECHE	8.00	2.00	0.00	10.00	All item work today	<input type="checkbox"/>
Ironworker	APP	AUGIE SOLIS	8.00	2.00	0.00	10.00	All item work today	<input type="checkbox"/>
Ironworker	APP	JONATHON BISKNER	8.00	2.00	0.00	10.00	All item work today	<input type="checkbox"/>
Ironworker	JNM	CASEY LUX	8.00	2.00	0.00	10.00	All item work today	<input type="checkbox"/>
Ironworker	FOR	ANTHONY COSTA	8.00	2.00	0.00	10.00	All item work today	<input type="checkbox"/>

