



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:44 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 449 Const Calendar Day: 186 Date: 07-Dec-2012 Friday
Inspector Name: Wright, Doug Title: Transportation Engineer
Inspection Type: Continuous
Shift Hours: 06:50 AM 05:45 PM Break: 00:30 Over Time: 02:00
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

Load Transfer Activities

[checkbox]

Overview of Cable work today:
The following work was ongoing today on the Cable:
- Cable wrapping
- Installation of split collars
- Painting of suspender ropes

Today I was inspecting Tony Costs's crew on installation of split collars & other suspender bracket hardware at PPs 106 & 104. See the diaries of L. Woo, M. Bruce, V. Altamarano, B. Brignano, & S. Soheilifard for additional details of Cable field work.

- I arrived at the pier 7 office at 06:50. I spoke with Roman Granados about several issues, & then was on the bridge at 07:30. For the entire shift, I was inspecting the installation of suspender bracket hardware at PPs 106N & 106S, & the shifting of cable bands (CBs) at PPs 104N. See below for a list of activities & observations on these operations.

At PP 106N:

- The load transfer jacking equipment was removed.
- The suspender bracket top flange plate was match marked in the area of the additional holes in the top closure plates (these holes were needed during swing-out).
- The top closure plates were removed.
- The match-marked locations were drilled through the suspender bracket top flange, & then the drilled holes were painted with MC zinc 100 primer.
- The top closure plates were installed above the top flange. - Note: caulking was added at the angle break of the closure plate per note 2 on the revised contract plan sheet (yellow sheet).
- The M24 bolts attaching the closure plates to the top flange were installed & tensioned by the turn-of-the-nut method (snug plus half turn).
- I witnessed the torque verification of the tensioned bolts in the closure plates & in the bottom bearing plates that were tensioned yesterday.
- The 75mm plug bolts were installed into the bottom of the sockets. Loctite 243 was applied to the threads prior to threading them into the socket.
- The set screws were installed in the sockets.
- I did a final check of the entire suspender bracket looking for any outstanding issues, but found none. All structural steel work is done at this location. Only caulking & painting work is remaining.

At PP 106S:

- The load transfer jacking equipment was removed.



## Daily Diary Report by Bid Item

Job Name: 04-0120F4    Inspector Name Wright, Doug    Diary #: 449    Date: 07-Dec-2012    Friday

- The top closure plates were installed (roughly installed only).
- The suspender bracket top flange plate was match marked in the area of the additional holes in the top closure plates (these holes were needed during swing-out).
- The top closure plates were removed.
- The match-marked locations were drilled through the suspender bracket top flange, & then the drilled holes were painted with MC zinc 100 primer.
- The top closure plates were installed above the top flange. - Note: caulking was added at the angle break of the closure plate per note 2 on the revised contract plan sheet (yellow sheet).
- The bolts were installed in the top closure plates, & then snug tightened. Tensioning was not yet done.

At PP 104 N:

- The CB bolts were de-tensioned.
- The position of the CB was shifted easterly by 43mm per RFI-3096. Also, the CB was rotated slightly so that the stanchion pad is plumb.
- The CB bolts were re-tensioned up to 19,400 psi with the bolt-tight jacking tensioners.
- The load was checked on the load transfer jacks, & it was at 5100 psi, which was below the reduced do-not-exceed load that allows them to remove the reinforcing plates across the top & bottom of the suspender bracket flanges.
- The reinforcing plates across the top & bottom of the suspender bracket flanges were removed.
- They started to move the suspender ropes into position within the suspender brackets.
  
- At 17:10, I left the bridge.
- From 17:20 until 17:45, I wrote my diary for the day & checked email.

**04-0120F4    Bid Item: 067    C-PWS-WCS.067    Wrap Cable System**

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   | RYAN EVANCHIK       | 8.00   | 2.00   | 0.00   | 10.00 |         | <input type="checkbox"/> |
| Ironworker                                     | JNM   | Robert Larue        | 8.00   | 2.00   | 0.00   | 10.00 |         | <input type="checkbox"/> |
| Ironworker                                     | APP   | ZACHARIAH MACDONALD | 8.00   | 2.00   | 0.00   | 10.00 |         | <input type="checkbox"/> |
| Ironworker                                     | APP   | JONATHON BISKNER    | 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   | 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"/> |

