



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:00 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 696 Const Calendar Day: 136 Date: 18-Oct-2012 Thursday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 am 12:00 am Break: 07:00 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 60 - 70 12 PM 70 - 80 4PM 70 - 80

Precipitation 0.00"

Condition Mostly sunny to clear

Working Day If no, explain:

Diary:

Dispute

Work description.

- Attended weekly SAS Safety Tailgate and staff meeting at 8:00am.

- Processed and analyzed the Hinge A pipe beam surveying data done Tuesday night and early Wednesday morning. Reviewed and summarized the survey with Bob Brignano, he sent out the email to inform pertinent TY-Lin and Caltrans personnel associated with this operation the results.

-Used the Caltrans CT-1 Extensometer to measure bolt elongations for the following cable bands which are being done during the day and night to investigate if the thermal expansion of the steel effects the bolt elongation/force:

70S, 72S, 80S, 82S

70N, 72N, 80N, 82N

The measurements were taken by myself, John Lyons, Alex Schmitt and Victor Pereyra. John took the majority of the readings on the digital dial and recorded the number. Alex, Victor, and myself positioned/handled the Extensometer on the cable band bolts. Since thermal effects are being considered I was taking ambient and steel temperatures. The anemometer was used for the ambient temperature and the infrared gun was used for the steel temperature. While using the infrared gun the most reliable location where the steel temperature was taken was on the cable band casting. The readings on the main cable were too unstable and were not considered to be valid.

- Prepared for night work to measure the cable band bolt elongations using the Extensometer. The shift began at 10:00pm and continued into the next morning, see tomorrows diary for more details on this inspection.

Attachment



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 696

Date: 18-Oct-2012

Thursday



Caltrans Extensometer crew taking measurements on South Mainspan cable band bolts.



The W-Line North Hinge A pipe beam was pulled through the SAS sleeves today.



Pulling the suspender ropes together with jacks to enable installation of the suspender collars.



ABF ironworkers installing suspender rope collars on the South Mainspan.