



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 289 Const Calendar Day: 967 Date: 02-May-2012 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 08:00 AM 12:00 AM Break: 06:00 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	12 PM	4 PM
Precipitation			Condition

Working Day If no, explain:

Diary:

Dispute

cable erection

Overview of work today:

- We started the survey for Cable Band (CB) layout in the North side-span.

Shift hours:

- I worked a split shift today since we are starting a night shift during mid -week. I worked from 08:00 until 14:00, & then from 20:00 until 24:00. The night shift continued until 06:30 on Thursday.

- I arrived at the pier 7 office at 08:00.
- From 08:00 until 09:00, I reviewed the survey plan for the CB layout work that is starting tonight.
- From 09:00 until 12:00, I went to the field to check if the work will be ready for CB layout tonight. They were in the process of removing the compactor from the North side-span, so it should be fully removed by tonight, & layout should be able to begin. Also, I assembled some of the equipment that we will need to do the layout survey (ladders, straps to secure the ladders to the Cable, other safety equipment, etc).
- From 12:00 until 14:00, I got the paperwork together for documenting the work tonight. Also, I did other misc office work (started my daily diary, updated the vehicle mileage log, checked email, etc).
- From 14:00 until 14:45, I spoke with Roman Granados & Warren Collins regarding tolerances for the survey of CB layout.
- At 14:45, I left work.

- At 20:00, I returned to the pier 7 office, & was on the bridge by 20:15.
- From 20:15 until 21:30, we prepared to do the CB layout of the North side-span.
- Note: The Caltrans layout crew included: Matt Bruce, Damon Brown, Victor Altamarano, & I. See their diaries for additional details of the work. For ABF, the layout crew included: Zack Lauria, Dave Adams, & the 4 on-site ABF surveyors (Terry, James, Mike, & Ken).
- Note: Steel & air temperature was measured constantly to monitor when the thermal conditions were appropriate to start the work.
- At 21:40, the appropriate thermal conditions were reached, & ABF started their survey. I observed their procedures during the start of their survey, & they appeared to be using acceptable practices. Once they moved along the Cable, we were able to start our survey behind them.
- From 22:00 until 24:00, we measured along the top of the North side-span Cable from the Deviation saddle to the Tower saddle. The total measured length between the saddles was 200.945m (versus 200.931m theoretical).
- From 23:30 until 04:00, ABF was laying out the locations of the CB centerlines. They marked out the locations twice (once measuring up from the Deviation saddle & once measuring down from the Tower

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saddle). They were also marking the top center of the Cable & marking out the 1.5m offsets to the CB centerlines. The maximum difference between ABF's 2 CB center mark (uphill measured & downhill measured) was 6mm. The difference between most of ABF's uphill & downhill measured center marks were within 1 or 2mm. Also, they were laying out the top center of the Cable & the 1.5m offset marks during this time.

- From 24:00 until 01:00, we observed ABF's procedures for laying out the CB. We again needed to wait to let them get a head start so we would not be in each other's way.
 - From 01:00 until 04:30, we measured down from the Tower saddle checking the location marks that were just laid out by ABF's surveyors. The maximum difference between our measurements & ABF's CB center locations was 7mm. Most of our CB location measurements checked within 2mm of ABF's layout location.
 - From 04:30 until 04:45, we spot checked a few of the top center of Cable marks & 1.5m offset marks laid out by ABF at PPs 9 & 10. They all checked out OK within about 1mm.
 - At 05:00, I left the bridge.
 - From 05:15 until 06:00, I reviewed the data that we collected, & then wrote my diary for the day.
 - From 06:00 until 06:30, I spoke with Roman Granados to give him an update that the CB layout went quite well.
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