



**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 297 Const Calendar Day: 976 Date: 11-May-2012 Friday  
 Inspector Name: Wright, Doug Title: Transportation Engineer  
 Inspection Type: Continuous  
 Shift Hours: 06:45 AM 05:30 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	4 PM
Precipitation			Condition

Working Day  If no, explain:

**Diary:**

Dispute

**Cable Band**

Overview of work today:

- I continued the survey for Cable Band (CB) layout checks in the South side-span.
- At 06:45, I arrived at the pier 7 office, & was on the bridge by 07:10.
- Note: Matt Bruce, Victor Altamarano, & David Cheung were doing checks last night on the South side-span. At the beginning of the day shift today, I was told by Matt Bruce that the top-center of Cable was laid out by ABF, & checked by Caltrans. It was OK.
- From 07:10 until 09:00, I was waiting on the ABF surveyors to get started laying out the arc lengths & 1.5m offset lines on the South side-span. During this time, I helped Saman inspect the Cable band installation on the North side-span. It was generally going well.
- From 09:00 until 13:00, I checked the CB rotation arc lengths & the 1.5m offset lines from CB center along the South side-span between PPs 10 & 40. All of them were OK. See compiled data below. The maximum difference between my measured arc length & theoretical was 2mm. The maximum difference between my measurement & the 1.5m reference lines from CB center was 3mm.
- From 13:00 until 13:30, I ate lunch.
- From 13:45 until 15:15, I checked the rotation line layout in the South side-span between PPs 10 & 40. All of them were OK.
- At 15:15, I met with ABF Engineer Zack Lauria to sign the buy-off sheet for the CB locations in the South side-span.
- At 15:30, I left the bridge.
- From 15:45 until 16:15, I filled out the inspection checklist form for the CB layout on the South side-span, & did other misc office work (sent an email to the Cable group informing them the South side-span layout is acceptable, read incoming email, etc).
- At 16:00, I received a phone call from Matt Bruce, & he mentioned that ABF plans to start the CB layout of the South main-span on Sunday night.
- From 16:15 until 17:15, I compiled the theoretical numbers (span length, spacing between CBs, CB rotation arc lengths) from submittal 2505R02 that we may need for the CB layout surveys of the South main-span on Sunday night.
- From 17:15 until 17:30, I wrote my diary for the day.

Below is a list of the arc length measurements that I took today from top-center of Cable marks to the CB rotation marks laid out by ABF surveyors:

PP # - Uphill measurement - Downhill measurement - Theoretical arc length

10S - 132mm - 133mm - 132mm

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Inspector Name Wright, Doug

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12S	-	127mm	-	128mm	-	127mm
14S	-	118mm	-	118mm	-	118mm
16S	-	112mm	-	113mm	-	112mm
18S	-	106mm	-	107mm	-	107mm
20S	-	102mm	-	103mm	-	103mm
22S	-	101mm	-	101mm	-	101mm
24S	-	102mm	-	101mm	-	101mm
26S	-	104mm	-	103mm	-	103mm
28S	-	105mm	-	105mm	-	106mm
30S	-	110mm	-	110mm	-	110mm
32S	-	116mm	-	117mm	-	116mm
34S	-	127mm	-	126mm	-	125mm
36S	-	134mm	-	134mm	-	134mm
38S	-	144mm	-	145mm	-	145mm
40S	-	154mm	-	155mm	-	154mm