



**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 412 Const Calendar Day: 137 Date: 19-Oct-2012 Friday  
 Inspector Name: Wright, Doug Title: Transportation Engineer  
 Inspection Type: Continuous  
 Shift Hours: 06:40 AM 06:15 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	4 PM
Precipitation			Condition

Working Day  If no, explain:

**Diary:**

Dispute

**Cable Wrapping**

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

Today I was inspecting Kevin Karber's crew on Cable wrapping on the South side-span. See the diaries of L. Woo, S. Daouk, A. Iranmanesh, & F. Carpio for additional details of Cable field work.

- I arrived at the pier 7 office at 06:40, & was on the bridge at 06:50.
- From 06:50 until 07:00, prior to the iron-workers getting to the work site, I inspected the condition of the zinc paste that was applied yesterday, & was covered overnight. The zinc paste was in good condition (no moisture, etc). There were a couple of areas where the plastic sheets pulled away some of the zinc paste (see attached photo). Additional zinc paste was applied in these areas prior to starting the wrapping work.
- From 07:00 until 07:30, the zinc paste was added to the Cable in areas where the plastic sheets pulled the paste off the wires.
- At 07:30, the wrapping machine was moved down close to the cable band (CB) at PP 10S to get ready to start wrapping.
- From 07:30 until 08:30, Kevin's crew was doing final set-up of the wrapping machine.
- At 08:30, wrapping was started about 150mm uphill of the CB at PP 10S.
- From 08:30 until 09:20, they wrapped intermittently (1 or 2 revolutions at a time), while aligning the S-wires. They wrapped about 125mm.
- At 09:00, I had a conversation with ABF Engineer Adam Roebuck & the zinc paste manufacturer's representative T. N. Gridnard. Adam mentioned that ABF would like to apply the zinc paste well uphill of the wrapping so that the laborers applying the paste could keep out of the way of the iron-workers doing the wrapping. Mr Gridnard mentioned that this product would be OK if it was applied up to one week prior to wrapping. I reminded them that the contract requirement is to wrap within 6 hours of the application of zinc paste. Adam mentioned that they would like to start discussions to relax that requirement. I told him that I would start the discussions internally within Caltrans, but that decision would need to be made above my level. I called Roman Granados to inform him of this conversation.
- From 09:20 until 10:00, the Cadwelds were placed on the S-wires near the top of the Cable to secure the S-wires in place. See attached photo.
- From 10:10 until 10:30, the 125mm section of the wrapped S-wire was knocked down to lap below the CB caulking groove. The S-wire slid fairly easily with minimal knocking.
- From 10:30 until 12:00, Kevin's crew was re-aligning the wrapping machine to re-start wrapping.
- From 12:00 until 12:30, I ate lunch.

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- At 12:30, wrapping was re-started. When they re-started, the 125mm section of the previously placed S-wire rotated around the Cable which disrupted the alignment of the machine. - Note: the S-wire section rotated because the diameter of the Cable at the edge of the CB is smaller than the diameter of the Cable just a little bit uphill of the CB due to the CB being tensioned.
- From 12:30 until 13:30, they re-aligned the wrapping machine.
- At 13:30, wrapping was re-started. Again, the previously placed section of S-wire was loose, which created misaligned & crossed wires.
- From 13:30 until 14:00, they tried to align the misaligned S-wires without much success.
- At 14:10, the previously placed section of S-wire was unwrapped & removed from the Cable. I spoke with ABF Engineer Ben Jones, & he mentioned that they plan to try a longer section of wrapping to start with the idea that it will not be as loose after it is knocked to the edge of the CB.
- Note: after the wrapping wire was removed, I inspected the Cable to check for various issues. Near the top of the Cable where they had placed the Cadwelds, there was no evidence of any burn-through or scorching of the zinc paste. Also, the zinc paste appeared to be in good overall condition.
- From 14:10 until 14:30, the S-wire was re-threaded into the wrapping machine.
- At 14:30, wrapping was re-started.
- From 14:30 until 16:00, about 350mm of S-wire was wrapped just uphill of the CB at PP 10S.
- From 16:00 until 16:30, the Cadwelds were placed on the S-wires near the top of the Cable to secure the S-wires in place.
- From 16:30 until the end of the shift, the zinc paste was covered with plastic & duct taped tape around the Cable to protect the zinc paste overnight.
- At 17:05, the crews wrapped up their tools to end the shift.
- At 17:20, I left the bridge.
- From 17:30 until 18:00, I wrote my diary for the day & checked email.
- From 18:00 until 18:15, I spoke with Roman Granados & Warren Collins to give them an update on the start of Cable wrapping.

**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								
Semi-Skilled Laborer	JNM	CHRISTIAN HERNANDEZ	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	BARRY ROTHMAN	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Anthony Volpe	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	MORRIS ROBERSON	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	BRIAN BENSON	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	KEVIN KARBBER	8.00	2.00	0.00	10.00		<input type="checkbox"/>

**Attachment**



## Daily Diary Report by Bid Item

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Friday



Condition of zinc paste when plastic covering removed (paste applied to the minor areas where paste pulled away)



Cadwelds being placed to secure S-wire in place