



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 016 Const Calendar Day: 513 Date: 03-Feb-2011 Thursday
 Inspector Name: Wright, Doug Title: Transportation Engineer
 Inspection Type: Intermittent
 Shift Hours: 07:00 AM 06:00 PM Break: 00:30 Over Time: 02:00

04-0120F4
 04-SF-80-13.2/13.9
 Self-Anchored
 Suspension Bridge

Federal ID:

Location:

Reviewer: Soheilifard, Saman Approved Date: 07-Feb-11 Status: Approved

Weather

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day If no, explain:

Diary:

Dispute

Tower Bolting

Tensioning of A490M bolts at Elevation 65m:
 The following locations were tensioned today:
 - The strut side of A-West-Inner top flange
 - The strut side of A-West-Inner bottom flange
 - The diaphragm side of A-West-Outer bottom flange

Stuck pin in the West shaft, end bolt hole for strut E-North:
 A drift pin, which appeared to be from ZPMC since it was primed coated on the shaft interior, was stuck in a bolt hole in the West shaft end bolt hole for strut E-North. The crews tried to drive it out with hammers and jacks without success. Eventually, they had to drill through the hole to remove it (see attached photo). The angle connection plate was removed prior to drilling. After the pin was removed, I inspected the bolt hole for damage. Only minor scuffing to the bolt hole was noticed.

ABF was performing some informal torque verification on some connections to see if the bolting sequence being used is working well. Generally speaking, the results of the informal verification were good.

Team Tower meeting:
 I attended the weekly Team Tower meeting from 10:00 until 10:30. Attending were R. Morrow, M. Woods, S. Soheilifard, and myself from Caltrans, and M. MacDonald and A. Markarian from ABF. The following topics were discussed.

- Blistered coating of Geomet bolt shipment #10: ABF's plan to repair the coating instead of rejecting the bolts was thought to be preferable, but we wanted to verify with our METS group prior to finalizing a decision.
- RFI-2345, drilling short slotted holes in the corner splice plate at Splice #2, East shaft: The response to the RFI should be sent today. It will be generally approved with some conditions for extra thick washers (or plate washers if the slot is longer than 37mm).
- Possible damage or loosening of corner bolts when welding of the interior corner splice plate: We expressed concern regarding the affects of welding preheat on already tensioned bolts on corner splice plates. This was mainly due to a similar issue on the jacking frame bolts. ABF's Tower group was unaware of this issue on the jacking frame, but mentioned that the post-heat on the jacking frame welds was about 1100 degrees, and the splice corner welds will only be heated to about 300 degrees. We plan to re-verify these bolts after welding is complete.
- Upcoming schedule: Lift 4 Tower erection tentatively scheduled for the week of Feb 28th.

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The bi-weekly Tower staff meeting was held from 13:00-14:00 in the field. We discussed Tower safety issues, and made a site visit to the 53m struts and to Splice #1.

Correction to diary of Jan 28th, 2011:

In my diary on Jan 28th, 2011, I incorrectly stated the location of some installed bolts. That diary states that RoCap set #DH4GM300012 (230mm in length) was installed at Strut E-North top flange on the diaphragm side in the South shaft. The correct location is Strut E-North top flange on the diaphragm side in the WEST shaft.

04-0120F4 Bid Item: 053 T-L02-STW.053 Tower Lift 02 Strut West Erect structural steel (bridge tower)

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	JNM	John Chapman	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Wu	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Tan	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	LORENZO PONCE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	Matthew Greer	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	KEVIN KARBER	8.00	2.00	0.00	10.00		<input type="checkbox"/>

Attachment



Drilling out a stuck drift pin from West shaft end bolt hole