



**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 019 Const Calendar Day: 518 Date: 08-Feb-2011 Tuesday  
 Inspector Name: Wright, Doug Title: Transportation Engineer  
 Inspection Type: Continuous  
 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: 10-Mar-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:  
 Tensioning continued today at the following locations:  
 - The strut side of A-West-Inner bottom flanges  
 - The strut side of A-West-Outer bottom flanges  
 - Inside the East shaft, on the top and bottom flanges of A-East-Inner & A-East-Outer (snugging only)

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 not good. Quite a few of the tested bolts failed. The bolts that failed had mostly been tensioned using the hydraulic torque wrench in tight locations. The crew spent a large amount of the shift doing trial and error to try to get a workable sequence. ABF field personnel constantly mention that this lot of bolts may be bad. ABF may do some additional testing on this bolt lot. I informed Mark Woods and Bob Brignano about this possibility.

While snug tightening the bolts on the top flange of strut A-East-Outer (adjacent to the East shaft), a conflict was noticed between the top flange half splice plate and the strut weld between the web and the top flange. This conflict prevented the splice plate from coming into firm contact with the flange (see attached photo). The gap created was 5mm. The crew pulled the bolts, and slid the plate back to get access to the weld. The reinforcing fillet weld was larger than the required 10mm minimum. ABF ground on the weld to see if they could get the plate to fit. I monitored this work closely while the grinding was being done, and measured the amount of reinforcement regularly. When the weld was ground down to only 11mm of reinforcement, both ABF Engineer Dan McNichol and myself agreed it was best to stop grinding. They explored the option of removing the splice plate, but there was not sufficient room inside or outside the shaft to remove it without removing the entire strut. Dan said that they would explore other options, such as adding a shim plate so that the chamfer on the edge of the splice plate would clear the weld.

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**Splice #1:**

Installing and snug tightening of bolts continued today at Splice #1, South shaft, Skin plates. Below is a list of locations where RoCap set numbers were installed.

RoCap set # DH4GM270005 (280mm in length) were installed at the following locations:  
 - South, Skin E, Columns E6, E9, E10, E11, & E14 (location of temp bolts which were removed)

RoCap set # DH4GM270013 (270mm in length) were installed at the following locations:

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**Job Name:** 04-0120F4

**Inspector Name:** Wright, Doug

**Diary #:** 019

**Date:** 08-Feb-2011

**Tuesday**

- South, Skin A, Columns A5, A6, A9, A13, & A14 (location of temp bolts which were removed)

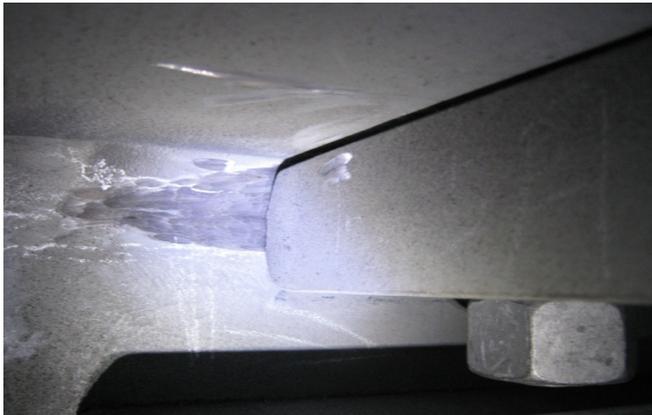
**04-0120F4 Bid Item: 053 T-L02-STW.053 Tower Lift 02 Strut West Erect structural steel (bridge tower)**

AMERICAN BRIDGE/FLUOR, A JV

**Labor**

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
<b>Contractor:</b> AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	APP	Lorenzo Padilla	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	RICHARD CHOUINARD	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	ROGELIO RUIZ	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	CHARLIE GIGUERE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	EDWARD MEYER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	DAVID LUCERO	8.00	2.00	0.00	10.00		<input type="checkbox"/>
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	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**



Conflict between flange splice plate & strut weld on A-East-Outer at East shaft