Daily Diary Report by Bid Item

Contract No.: 04-0120F4
Diary #: 097 **Const Calendar Day:** 625 **Date:** 26-May-2011 **Thursday**
Inspector Name: Wright, Doug **Title:** Transportation Engineer
Inspection Type: Continuous
Shift Hours: 07:00 AM 11:00 PM **Break:** 01:00 **Over Time:** 04:00
Federal ID:
Location:
Reviewer: Soheilifard, Saman **Approved Date:** 26-Jun-11 **Status:** Approved

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

Weather

Temperature **7 AM** **12 PM** **4PM**

Precipitation **Condition**

Working Day ☑ If no, explain:

Diary: Dispute ☐

Tower Activities

ESW welding:
The first production electroslag (ESW) weld was performed today on shear plate b2W adjacent to the South shaft. The following is a breakdown of activities for the operation:
- Crew started at 07:00
- Blocks were installed in the starting sump (see attached photo).
- The joint was wire wheeled to clean away rust.
- At 11:30, the equipment was successfully tested by running on a practice piece joint.
- At 13:00, the consumable guide was installed.
- At 17:17, an attempt to start was done, but there was a small arc at the bottom of one of the wires that fused and would not allow that wire to continue feeding. This area of the consumable guide was ground away with a die grinder. I checked the starting sump to check to see that the ESW was started or not. It had not started.
- At 17:52, the weld was started. Dan Iraxie was the welding operator.
- Flux was added and the amps were stabilized within 2 minutes.
- At 18:25, a gurgling sound was heard coming from the weld. It was low on flux because the flux feeder stopped working. They started to add flux manually while they changed the flux feeder motor. However, this feeder also did not work. They continued feeding in the flux by hand for the remainder of the welding. An ironworker gradually pushed in the flux while the welding operator instructed him to increase or decrease the rate of flux addition.
- At 22:22, the weld was well into the run-off tab, and the welding was stopped.

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Other work:
I used a torque wrench to check the bolts at Tower Splice #1 that are near the welding preheat to see if the preheat caused any stripping or other problems with the bolts. I checked 100% of the bolts in the columns directly adjacent to the field welds. Also, I checked 50% of the bolts in the 2nd columns from the field welds. All of the bolts appeared to be OK.
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04-0120F4 **Bid Item: 053** **T-L01-SPD.053** **Tower Lift 01 Shear Plates and Diaphrams**
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	APP	DEVAN MURPHY	8.00	2.00	6.00	16.00		☐
Ironworker	JNM	MICHAEL JIMENEZ	8.00	2.00	0.00	10.00		☐

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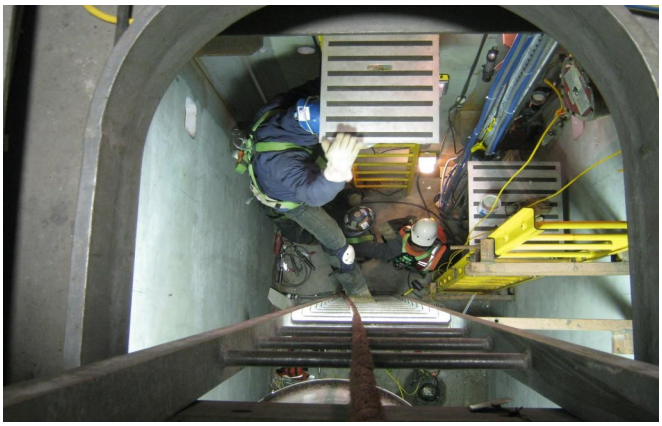
Job Name: 04-0120F4 **Inspector Name:** Wright, Doug **Diary #:** 097 **Date:** 26-May-2011 Thursday

Ironworker	APP	KENNETH CHAPPELL	8.00	2.00	6.00	16.00	☐
Ironworker	APP	JEREMY DOLMAN	8.00	2.00	6.00	16.00	☐
Ironworker	APP	JEFFERY SOUZA	8.00	2.00	6.00	16.00	☐
Ironworker	FOR	RORY HOGAN	8.00	2.00	6.00	16.00	☐
Ironworker	JNM	RICHARD GARCIA	0.00	0.00	0.00	0.00	☐
Ironworker	FOR	EARL CLAYBORN	8.00	2.00	0.00	10.00	☐
Ironworker	FOR	HUA QIANG HUANG	8.00	0.00	0.00	8.00	☐
Ironworker	FOR	JAMES ZHEN	8.00	0.00	0.00	8.00	☐
Ironworker	JNM	WAI KIT LAI	8.00	0.00	0.00	8.00	☐
Ironworker	JNM	XIAO JIAN WAN	8.00	0.00	0.00	8.00	☐
Ironworker	APP	TODD JACKSON	8.00	2.00	0.00	10.00	☐
Ironworker	JNM	ERIC SPARKS	8.00	2.00	0.00	10.00	☐
Ironworker	JNM	SALVADOR SANDOVAL	8.00	2.00	0.00	10.00	☐

Attachment



Looking down at the ESW welding in progress

ESW starting sump prior to consumable guide installation