



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 134 Const Calendar Day: 680 Date: 20-Jul-2011 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 AM 05:30 PM Break: 00:30 Over Time: 02:00

Federal ID:

Location:

Reviewer: Soheilifard, Saman Approved Date: 23-Jul-11 Status: Approved

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

Tower Activities

Electroslag welding (ESW):

The 17th ESW weld was done today. It was on the skewed T joint that connects shear plate a1N to the North shaft. The following is a list of activities for this operation:

The consumable guide and insulators were installed yesterday. To ensure that they were free of rust and condensation, the following was checked prior to the start of welding:

- I checked the wire barrels (they were covered with tarps overnight) to make sure that the wire is still dry and clean.
- I visually inspected both sides of the weld joint to make sure there was no rust or condensation on the guide or insulators.
- The initial charge of flux that was in the starting sump was removed.
- All of the flux in the flux feeder was discarded, and new flux was taken out of the drying oven.
- At the bottom 150mm of both sides of the joint, they used a torch to dry out the area to remove any possible condensation. - Note: the areas above the sump will be dried out from the rising heat of the weld pool during welding.

After the above was done, they were ready to start welding.

- At 08:00, the weld was started.
- It took about 2 minutes, 40 seconds for the weld parameters to stabilize.
- At 08:28, the chiller stopped working, and there was no water circulation. The water was not circulating for 15 minutes until they switched to the back-up chiller. During this time, the temperature of the water and shoes was being monitored closely. The shoes became a little hotter than normal to handle, but not too hot to handle with normal gloves. The shoes were visually inspected every time they were jumped, and there was no melting of the shoes.
- At 08:43, the back-up chiller was brought online, and water was again re-circulating.
- At 09:13, the back-up chiller started running intermittently. Water would circulate for about 1 or 2 minutes, and then stop for about 2 to 4 minutes. This intermittent circulation lasted until 09:45. Again, then temperature was monitored closely, and the temperature of the return water was always within 20 degrees F of the outgoing water.
- At 09:45, the chiller was running normally again, and ran normally until the end of the weld.
- At 12:05, the weld was ended in the run-off tab.

A preliminary UT was done today on the butt joint that connects shear plate cW to the South shaft. No UT rejects were found.

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Tower head:

The only additional pieces erected today were the bent plates above the origami plates, and the angles between the G plate and the saddle housing cover plates. The overall fit of these pieces was not bad, but the holes did not align. Some slotting of holes may be needed.

A meeting is planned for tomorrow to discuss possible solutions to all of the conflict areas.

04-0120F4 Bid Item: 053 T-L01-SPD.053 Tower Lift 01 Shear Plates and Diaphragms

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	JEFFERY STONE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	Alex Blanco	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	DEVAN MURPHY	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	JEREMY DOLMAN	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	JEFFERY SOUZA	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	RORY HOGAN	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	RICHARD GARCIA	8.00	2.00	0.00	10.00		<input type="checkbox"/>

