Daily Diary Report by Bid Item

Contract No.: **04-0120F4**

Diary #: **819** **Const Calendar Day:** 306 **Date:** **06-Apr-2013** **Saturday**
Inspector Name: **Bruce, Matt** **Title:** **Transportation Engineer**
Inspection Type: Continuous
Shift Hours: 07:00 am 03:30 pm **Break:** 00:30 **Over Time:** 08:00
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** 50 - 60 **12 PM** 50 - 60 **4PM** 50 - 60
Precipitation 0.01" **Condition** Light rain the AM to overcast and partly cloudy

Working Day ☐ If no, explain:

Diary: Dispute ☐

Work description.

- Inspected the stressing operation to verify the Pjack load in tower foundation anchor rods with Sami Daouk, see his diary for the ABF ironworker names. Today Boltight pump number 59836-0577000106 with gauge number 29901041/18 was used for verifying the loads in all rods mentioned below. Similarly Boltight jacks RN7194, RN7197 and RN 7208 was used for this stressing operation. Sami took the majority of measurements on the anchor rods stressed today from the top surface of the bearing plate to the end of the anchor rod before and after load verification of the anchor rods.

Stressing operations began today in the West diaphragm at 8:40am and was completed at 12:50pm. As in previous days all 3" anchor rods were stressed to 105% of Pjack. The majority of the nuts were found to be loose today and three stressing cycles were run to Pjack at 13.2ksi. The practice to verify the load in the anchor rods by checking the anchor rod nut at 5.0ksi, 10.0ksi, and then to 13.2ksi before conducting 2 more cycles straight up to 13.2ksi or 105% Pjack was done for all rods today.

It was known that anchor rods b1(W)05,06,11,&12 were never stressed due to access for electroslag welding. ABF ironworkers cleaned,filed down, sprayed WD40, used a thread chaser and dye to prepare the threads of these four rods. The pressure cycles observed while stressing anchor rods b1(W)05 and 06 for the first time were 5.9ksi, 11.0ksi, and 13.2ksi. Elongations for anchor rod 5 was 235-251 = 16mm, and for rod 6 the change in length was from 235-252 = 17mm. Similarly pressure cycles for anchor rods b1(W)11 and 12 stressed for the first time were 4.7ksi, 8.6ksi, and 13.2ksi. Elongations for anchor rod 11 was 231-242 = 11mm, and for rod 12 the change in length was from 232-246 = 14mm. Overall there was no significant issues when verifying the load in the anchor rods at this location today.

At the end of the day an attempt was made to detension anchor rods W73 and W75 with no success breaking the nut.

It also should be noted that ABF engineer Andre Markarian was not present for the stressing operation today.

Attachment

Daily Diary Report by Bid Item

Job Name: 04-0120F4 **Inspector Name** Bruce, Matt **Diary #:** 819 **Date:** 06-Apr-2013 Saturday

Temporary truss removal along the E-line seen from the west side of the T1 foundation stairways.

Anchor rods b1(W)05 and 06 stressed for the first time today.