



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 669 Const Calendar Day: 103 Date: 15-Sep-2012 Saturday
 Inspector Name: Bruce, Matt Title: Transportation Engineer
 Inspection Type: Continuous
 Shift Hours: 06:00 am 04:30 pm Break: 00:30 Over Time: 10:00
 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 60 - 70 4PM 60 - 70
 Precipitation 0.00" Condition Cloudy and fog in the AM to mostly sunny in the PM

Working Day If no, explain:

Diary:

Dispute

Work description.

- Surveyed the tower before the start of shift where the current deflection was 327mm to the west. The theoretical deflection of the tower tie back system at this point of load transfer is supposed to be 357mm to the West. The total distance that the tower has moved/been released since load transfer began is 199mm to the East of the pullback distance from plumb. The survey was done at end of Step 3a (ADJ) on the North cable and with work started yesterday on Step 3a (ADJ) late yesterday afternoon.

The survey was done under uniform ambient conditions where the time of survey (taking shots on the tower) was conducted from 6:40am to 6:50am. The official time of sunrise per weather.com was 6:52am. The ambient temperature during the survey was 53F under cloudy skies. The wind speed was measured from the West at 7mph with a barometric pressure of 30.08"Hg.

- Processed the surveying data for todays measurements taken of the tower tie-back release.
- Measured the axial compression of the OBG deck at the E2 cap beam. The bipod was used with the mini prism tip to define the change in the offset distance. The China 2.0m west offset punchmarks were used as reference on the OBG at the following locations:

B1W, B3W, and B2W

The average delta from the 1.781m West offset mark placed on the E2 concrete cap beam surface was 99mm West. The survey was done at the end of Step 3a (ADJ) on the North cable and Step 3a (ADJ) on the South cable started yesterday. The theoretical distance from the Pier E2 CL at this stage of load transfer is 150mm East. Actual axial compression of the OBG is 142mm to the East at this stage of load transfer.

The survey was done under uniform ambient conditions where the time of survey was conducted from 7:00am to 7:10am. The official time of sunrise per weather.com as mentioned above was 6:52am. The ambient temperature during the measurements was 53F under cloudy skies. Steel temperature was taken approximately around 7:30am on the W-Line SAS at EPPCL12 which was 54F.

- Processed todays measurements taken of the OBG axial compression.
- Studied the calculations and read the emails that Roman and Bob gave to me in regards to the CCO#170 work to install cable band 118 on both sides.
- Relieved Brian Wolcott from inspection duties at 9:00am for cable band bolt tensioning operation. When

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Steel temperature at EPPCL12 after measurements were taken for OBG axial compression at the E2 cap beam.



The changed geometry of the Mainspan cable as load transfer progresses.



Conditions at the end of the tower release survey and while walking down towards the E2 cap beam to take measurements for the OBG axial compression.



ABF ironworkers preparing to install cable band W118 on the North Mainspan cable.



Pronounced "kink" in the South Mainspan cable due to Phase 1 of load transfer.