Daily Diary Report by Bid Item

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

Diary #: **588** **Const Calendar Day:** 996 **Date:** **31-May-2012** **Thursday**
Inspector Name: **Bruce, Matt** **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: **Schmitt, Alex** **Approved Date:** **Status:** Submit

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

Weather

Temperature **7 AM** 60 - 70 **12 PM** 70 - 80 **4PM** 70 - 80
Precipitation 0.00" **Condition** Sunny

Working Day ☐ If no, explain:

Diary:

Dispute ☐

Work description.

- Performed QA verification on the measurements taken by the 3 Smith Emery technicians using ABF#2 Extensometer for the bolts in cable bands E28 to E40. The Smith Emery technicians performing the measurements were Allen Miranda, Jason Chuong, and Brien Connolly. Jason took all of the readings today from the dial as I confirmed each and every measurement. Allen ensured that the fixed pin went into the cable band bolt dimple for an accurate measurement. Brien was predominately responsible for handling the Extensometer especially on the top row of cable band bolts and operating the spring pinned end of the Extensometer for all the measurements. For the cable band bolt measurements that I witnessed the standard bar readings were the following at the given times below on ABF standard bar #5:

1.) 0.35" + 0.0062" = 0.3562" @ 7:30am
2.) 0.35" + 0.0047" = 0.3547" @ 1:00pm

The tolerance is 0.10mm (0.0039") between calibration measurements with the standard bar. The delta for this mornings calibration check was 0.0015", which is acceptable. It should be noted that the Smith Emery technicians left the standard bar with the Extensometer outside their conex box for a few minutes prior to checking calibration. Since I raised the issue a few days back the Smith Emery technicians have been exercising the correct procedure with the standard bar.

Alex Schmitt was responsible for watching the Smith Emery technicians taking elongation measurements with the Extensometer from 12:00pm to 3:30pm. See his diary for more details regarding this operation.

- Began to review Submittal 2677R00 - "Pier E2 Bearing and Shear Key Survey Plan".

- Talked to Ben Scoles (salesman) with California Survey & Drafting Supply (CSDS) in Dublin regarding the delivery of the Trimble S8 total station to the Burma Road office tomorrow.

- Discussed the Extensometer elongation measurement spreadsheet summary with Michelle Chui at 2:30pm. I showed her the breakdown of the dial readings on the Extensometer and the calculation for elongation.

Attachment

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Job Name: 04-0120F4 **Inspector Name** Bruce, Matt **Diary #:** 588 **Date:** 31-May-2012 Thursday

ABF ironworkers installing a suspender rope over a cable band on the North Sidespan.

Close-up of ABF ironworkers installing a suspender rope on the North Sidespan.

ABF ironworkers installing a suspender rope over a cable band on the North Sidespan.

Workspace on the catwalk while a suspender rope is being installed on a cable band.