Daily Diary Report by Bid Item

Contract No.: 04-0120F4
Diary #: 1311 **Const Calendar Day:** 884 **Date:** 05-Nov-2014 **Wednesday**
Inspector Name: Brignano, Bob **Title:** Transportation Engineer
Inspection Type:
Shift Hours: **Break:** **Over Time:**
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** **12 PM** **4PM**
Precipitation **Condition** clear

Working Day ☑ If no, explain:

Diary: Dispute ☐

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:

There is no work in the field on this operation today by ABF. The Townsend Test (Test IV) is complete. Crews at the Pier 7 warehouse are working a 10-hour shift 0600 through 1630, moving to an earlier time starting today because of the Day Light Saving Time change last weekend. ABF is working in the field today on other operations.

ITEM 53, TOWER FOUNDATION ANCHOR RODS GROUT MOCKUP:

There is work in the field on this operation today by ABF. Crews at the Pier 7 warehouse are working a 10-hour shift 0600 through 1630, moving to an earlier time starting today because of the Day Light Saving Time change last weekend and working a longer shift today to get the tower foundation anchor rods grout mockup completed earlier. The tower foundation anchor rods grout mockup operation is inspected by Sami Daouk.

Last week, on 10/30/2014, ABF took a steel plate from the CCO 314 work to use as a base for the first tower foundation anchor rods grout mockup. Today, with CT permission, they took a second plate to use for the second tower foundation anchor rods grout mockup. The plate taken by ABF today is 60”x96”x3” – it is one of the test rig traffic plates. ABF sets this plate on the ground with timber to level it to act as a base for the mockup and marks out locations for 6 mockup rods/sleeves on the plate.

Meanwhile, the 6 galvanized rods for this second mockup are jointly inspected and documented by CT (Sami Daouk) and ABF (Bret Clark) for galvanizing damage. After the inspection and documentation of existing galvanizing damage is complete, ABF applies the Denso system. The 3-layer system is applied – Denso Paste (petrolatum tape primer), Densyl Tape (petrolatum tape), and Denso Utility Tape (PVC outerwrap tape with a minimum thickness of 20 mils). Note that the 3rd layer of the 3-layer Denso system is not the 6 mil thick Denso PVC Tape (Colored) proposed in ABF-SUB-003093R00 and is instead the 20 mil thick Denso Utility Tape that KFM used in the T1 footing construction.

ABF is also doing setup for the water jetting operation. Two (2) Baker Tanks are delivered and set on top of containment booms. A nearby fire hydrant is checked to verify that they can get water from it and hoses are connected to run from the fire hydrant to the mockup site. One Baker Tank will be used for the supply of water for the water jetting operation and the other Baker Tank will be used for the waste water pumped from the containment on the ground. Hertz Rental equipment is delivered and unloaded. The pipes for the mockup are cut to length – so pipes are only as long as the per plan grout height and are

shorter than the rods. ABF purchases insulation for the pipes for this second mockup – because of cold nighttime temperatures, CT requests insulation to assist in getting higher early compressive strength. We tell ABF that they can individually wrap each pipe or wrap all 6 pipes in one bundle with air voids between pipes included in the insulated zone – they plan on the second option.

After completing the Denso system application, the rods and pipes are erected. A pipe is erected over a rod while on sawhorses, the pair is erected vertically with the bottom of the pipe up several feet from the bottom of the rod, the rod is tack welded to the steel plate base, the pipe is lowered to the steel plate, and the pipe is seal welded to the steel plate. By the end of the shift, all 6 rods and pipes are welded in place.

Note that 4 of the 6 rods are centered on the pipes, but 2 rods are required to be offset from the pipes (not concentric). This is not shown in ABF-SUB-003093R00 but was required by the response letter 05.03.01-012680. The response letter only called for rod offsets such that one is 1/2" from the wall and the other is 1/4" from the wall. It was verbally requested, and ABF built, those 2 mockups with the rods centered at the bottom and offset at the top.

INSPECTOR OT REMARK:

Office 2 hours: ABF is working a shift at the Pier 7 warehouse area between 0600 and 1630, but I am in the field for only a portion of this time. I am in the office for various work related to A354 Grade BD bolts and rods, including researching details from the E2-T1 contract that are relevant for a request from TBPOC to remove one more tower foundation anchor rod. My shift is 0700 to 1730 and my OT is 1530 to 1730.