



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 925 Const Calendar Day: 465 Date: 12-Sep-2013 Thursday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:30 pm Break: 00:30 Over Time:

Federal ID:

Location:

Reviewer: Wilcox, Jason Approved Date: 16-Nov-13 Status: Approved

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

Weather

Temperature 7 AM 60 - 70 12 PM 60 - 70 4PM 70 - 80
 Precipitation 0.00" Condition Partly cloudy

Working Day If no, explain:

Diary:

Dispute

Work description.

- Attended weekly SAS Safety Tailgate meeting at 8:00am.
- Began to preplan surveying the SFOBB LIDAR Scan (Erskine Project) control points on piers T1, E2 and E3, see photo below for more details.
- // E2 Cap Beam Shear Key Retrofit //
- ABF crews continued to work on the saddle retrofit erection beams attached to the bottom of the OBG, cut the temporary truss, etc. See Brian Wolcott's diary for ABF labor and equipment and Pamela Gagnier's diary for Concos labor and equipment.
- Prepared for the S1 Shear Key retrofit wedge plate grouting operation today.

- Monitored the S1 Shear Key retrofit wedge plate grouting operation today. Conco laborers began mixing grout cement with water at 12:50pm. ABF engineer Levi Gatsos was in charge of this grouting operation with Smith Emery technician Sal Moreno performing the QC tests on the fluid grout. The ambient temperature at the time of the first batch of grout done in the shade was 66F. As a result the grout temperature of the first batch was 71F. The first efflux time after Conco laborers mixed one bag of grout cement and water (1 gallon + 1 pint) was 54 seconds. After cautioning Levi about the effects of a high efflux time the Conco laborers added another pint of water. After the additional water was mixed in the first batch, Levi and the laborer reverted back to the previous quantities of grout and water claiming the forms couldn't hold the fluid grout. Once again I cautioned them of the adverse effects of a high efflux time as the manufacturer recommends a time of 25-30 seconds for BASF Masterflow 928. The second batch made had an efflux time of 56 seconds as Smith Emery made 12 grout cubes for compressive strength tests and Caltrans made 3 total.

The grout was placed from the low side to the high side and was tamped as well. Approximately 6 bags of Masterflow 928 were used for one side under the two wedge plates. It should be noted that the grout placed on the west side of S1 began to harden during the placement of the east side. Placement of grout for the S1 Shear Key retrofit wedge plates was completed at 1:45pm. After the operation was complete curing blankets were placed over the exposed grout surfaces.

Attachment

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Bruce, Matt

Diary #: 925

Date: 12-Sep-2013

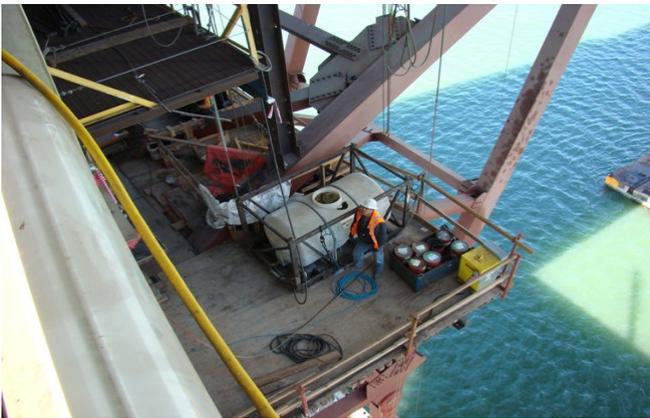
Thursday



Curing blankets placed over the fluid grout pad of the S1 Shear Key retrofit wedge plates.



Manufactured date of January 28th, 2013 on the Masterflow bag found prior to using cementitious material.



Water buffalo used to supply the grouting operation today.



Completed placement of the grout underneath the S1 Shear Key retrofit wedge plates.



Conco laborers placing the fluid or plastic grout into the forms on the east face of the S1 Shear Key.



SFOBB LIDAR Scan control point 315 located on the North side of the T1 tower foundation.

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Bruce, Matt

Diary #: 925

Date: 12-Sep-2013

Thursday



ABF welder seen attaching a padeye for the S1 Shear Key retrofit saddle erection.