



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:59 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 779 Const Calendar Day: 248 Date: 07-Feb-2013 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 40 - 50 12 PM 50 - 60 4PM 50 - 60

Precipitation 0.15"

Condition Rain in the AM to partly cloudy and sunny

Working Day [] If no, explain:

Diary:

Dispute

Work description.

- Prepared grout cubes made yesterday for the required time in the water bath prior to shipping to Sacramento for compressive tests. Also cleaned the grout cube brass molds after removing the grout cube samples.
- Began to process the grouting information obtained in the field today.
- Wrote outstanding stressing and grouting diaries for CBT-1 to 10.

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04-0120F4 Bid Item: 034 X-W2C-GTT.034 E-W Line Cross Over W2 Cap Stress & Grout Transverse Tendons

SCHWAGER DAVIS INC.

Labor

Table with columns: Trade, Class, Name, RT Hrs, OT Hrs, DT Hrs, Total, Remarks, Dispute. Rows include Contractor: SCHWAGER DAVIS INC. and four Ironworker entries with names like Jorge Toricio, Bounthaby Singharath, Todd Blackwell, James Bond.

Diary:

Dispute

Work description. 034 X-W2C-GTT.034

- Grouted transverse tendons CBT-10, 9, 5, 1, and 6 with Sika 300PT in that order from the south end of the W2 cap beam. The SDI ironworkers began to mix grout at 7:30am with an ambient temperature of 49F under rainy conditions. The manufacturer date seen on the grout bags was 12-13-12 which all have a shelf life under 9 months. The first batch of grout was tested and had the following properties:

Efflux time = 14 seconds

Specific Gravity = 2.07 ---> 129pcf

Since the required Specific Gravity of 2.12 from previous experience wasn't achieved, the ironworkers were directed to decrease the amount of water in the grout mix. The second batch of grout was tested and had the following properties:

Efflux time = 23 seconds

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Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 779

Date: 07-Feb-2013

Thursday

Specific Gravity = 2.16 ---> 135pcf

Grout Temperature = 68F (taken in the grout pump hopper)

Six total grout cubes were made for compressive strength testing at 28(3 cubes) and 56 days (3 cubes). The grout used for the compressive strength cubes was placed into the duct for CBT-10. Smith Emery was not present for a second day of testing the grout, however SDI and ABF engineer Levi Gatsos made the same amount of grout cube samples as I did.

While grouting CBT-9 it was observed that residual water from the water jetting operation was pushed out of the grout cap and grout tube. The SDI ironworker waited until a good stream of grout was flowing out of the cap and tube before sealing the connection to pressure the tendon full of grout. Finally the only other event out of the ordinary was that CBT-5 had to be grouted twice due to SDI not filling up the dead end pipe sleeve on the north end of the W2 cap beam prior to closing the grout tube valve.

Before the end of the shift a bucket of grout was mixed to fill up the short vertical PT grout tubes that hadn't been topped off. It appeared that the grout poured into the tubes indicated that no residual water was in the blockout of these short vertical PT bars.

The crew of ironworkers spent the rest of the day demobilizing and cleaning up grouting equipment. The total time of grouting transverse tendons CBT-1 to 10 for both days was approximately 1.5hrs.

Attachment



Different grout pump onsite today mobilized in the same location as the one yesterday.



Residual water from the water jetting operation being pushed out of the grout cap on the north end of CBT-9.