



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 6:58 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 1131 Const Calendar Day: 704 Date: 09-May-2014 Friday
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 partly cloudy

Working Day [checked] If no, explain:

Diary:

Dispute

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:



Note that there were some rain showers last night in the Bay Area, but there is no accumulation of water on the ground at the test rig area. The drain (DI) in the middle of the test rig site is intentionally plugged as part of the SWPPP and that results in a "lake" in the test rig area if there is any significant rain, but there was not enough rain last night for a "lake" to form in the test rig area. No work is necessary today to address issues from last night's rain showers.

ABF Engineer Kelvin Chen is working part time in the field and office on CCO 314.

Crews at the Pier 7 warehouse area are working an 8-hour shift 0700 through 1530 today. There is work in the field on setup of TR's 14-17. Laborer Carlos (Pedro) Garcia works all day on CCO 314. Ironworker Jared Garrett (Kyle Crowley working elsewhere on the bridge) works part time (all but two hours spread out at different times throughout the day) today on CCO 314, with the remainder of his day on non-CCO 314 operations elsewhere at the Pier 7 warehouse area that are not covered by this diary. Ironworker Rogelio (Roger) Ruiz works in the afternoon (~3 hours) on CCO 314, with the remainder of his day on non-CCO 314 operations elsewhere at the Pier 7 warehouse area that are not covered by this diary.

Approximately 0800 today, I meet with Kelvin Chen (ABF), Juan Martinez (CCC QC), and Charlie Stewart (CT-METS QA) to discuss the areas to be painted with epoxy paint at TR's 1-4 (future TR's 14-17). ABF also provides CCC with the 4 spherical washers with machined notches (for NaCl Solution flow) to be blasted and painted with zinc paint for use with the galvanized test rods in TR's 14 and 15.

Laborer Carlos (Pedro) Garcia works all day cleaning around the test rigs, including removing damaged sandbags and intact sandbags to the south of TR's 1 and 2 (future TR's 14 & 15). He also vacuums from inside the test rigs to remove debris. This is in advance of the CCC painting work scheduled to happen soon, so this subcontractor does not need to spend extra time removing debris from welding, grinding, and drilling from the areas that need to be cleaned and painted. Note that cleaning and vacuuming had happened previously in these same areas, but then there was additional welding, grinding, and drilling in these same areas that created more debris.

Ironworker Jared Garrett continues work today to drill 5/16" holes in the test rig diaphragms for the 1/4" hardware to attach the bellows/flashing flange. Previously, work was completed at TR's 3 and 4 (convert to TR's 16 and 17). Yesterday, he worked at TR's 1 and 2 (convert to TR's 14 and 15), but because he had no assistance and because of the difficult access, he only completed drilling of the bottom holes and skipped the top holes. Today, he drilled the top holes in these 2 test rigs, completing all work on drilling

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holes for the bellows/flashing at all 4 TR's by noon today. Then, later in the afternoon, where ABF had drilled 5/16" holes in the test rig diaphragms for the 1/4" hardware to attach the bellows/flashing flange, the ironworkers (Jared and Roger) grind to remove burrs from all of the holes.

In the afternoon, the Ironworkers stack the 6 each 2" thick wedged steel plates that will be placed between the k-rail to the north and south of the test rigs. Previously, these 6 plates were pulled from TR's 12 & 13 when work there was complete and left in an unsafe pile in the area between TR's 1 and 2, so today they are neatly and safely stacked with timber dunnage.

The ironworkers also get 4 each 300-ton jacks from the warehouse. A total of 8 jacks plus 2 spare jacks are needed at TR's 14-17. Some of the jacks were already at the test rig site, and others had been moved to the warehouse at some time. The jacks are specific numbered jacks that have been calibrated with the dial gauges and VGO pressure transducers.

Some k-rail is also moved in the test rig area. ABF moves 3 each of the CT-Owned 10' k-rail from a storage spot to locations at TR's 2, 3, and 4 (future TR's 15, 16, and 17) where they will be used to support the poly tanks for the NaCl Solution. These 10' k-rail are placed next to 20' k-rail that had previously been placed and the pair of k-rail will provide a stable base to support the tanks at an adequate elevation to gravity feed NaCl Solution to the wet chambers in the test rigs.

Also today, one (1) of the 20' k-rail rented from Jensen that had not been available at the test rig site because it had been taken elsewhere by ABF some time ago was located today by ABF between one of ABF's trailers and the yard to the west. That k-rail is moved back to the test rig site today so it can be used again in the test rig CCO work.

A 7kW generator – Whisperwatt 7000 – ABF ID 002343 is used at the test rig work area most of the day by the laborer and ironworkers. A 40kW generator – MQ Power 40 – ABF ID 002051 is on idle/standby at the test rig work area. A Hydraulic Pump for running the jacks is on idle/standby at the test rig work area. An oxyacetylene torch is on idle/standby at the test rig work area. A compressor – IR P185 ABF ID 000002 is on idle/standby at the test rig work area. A Kubota Cart is used all day by the ironworkers and laborer. An extendable forklift is used for portions of the day.

Note that there is k-rail at this work area. Some of the k-rail is rented and addressed by the rental agreement. Some of the k-rail is ABF's k-rail used on site and paid as rented from ABF on a daily basis. To elevate the k-rail, crane mats and timber blocking (12x12's) are in use. The k-rail quantities are as follows:

10' bought k-rail = 20 pieces

10' ABF k-rail = 4 pieces

20' rented k-rail = 10 pieces

20' ABF k-rail = 9 pieces (plus 1 in accounting change with return of a misplaced rented 20' k-rail)

The tabulation of the 20' ABF k-rail is as follows:

Two (2) 20' ABF k-rail at the north end of TR 17.

Two (2) 20' ABF k-rail at the north end of TR 16.

One (1) 20' ABF k-rail at TR 15 (longitudinal running) not counted previously because it compensated for one of the rented 20' k-rail (included in tabulation above) that ABF had taken elsewhere and was not available at the test rig site until today when it is located and brought back to the test rig site.

Three (3) 20' ABF k-rail between the CCO 314 work area and FW Spencer's yard (in place prior to the CCO work and not related to CCO 314).

One (1) 20' ABF k-rail between the CCO 314 work area and FW Spencer's yard along the fence line near the BayView Trailer.

The agreed extra work with ABF is as follows:

Laborer Carlos (Pedro) Garcia - 8 hrs

Ironworker Rogelio (Roger) Ruiz - 3 hrs

Ironworker Jared Garrett - 6 hrs



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Radios (3 radios) - 17 hrs
Kubota Cart - 8 hrs
7kW Generator - 8 hrs
Power Drill - 4 hrs
Vacuum - 2 hrs
Extendable Forklift - 5 hrs
k-rail: 6 pcs @20' and 4 pcs @10'
Crane Mats (12x12 - 5'x16') - 2 pcs
Crane Mats (12x12 - 5'x7') - 8 pcs
See the attached Extra Work Order - Signed with ABF for CCO 314 work

INSPECTOR OT REMARK:

Field and Office 2 hours: For parts of the morning and afternoon, I am in the field. In the morning between 0930 and 1100 and in the afternoon between 1300 and 1630, I am present at the Senate Peer Review Panel Meeting, as requested by management to address any bolt issues that could come up in the meeting. Included in that time is a visit by the Senate Peer Review Panel to the Townsend Test rig site at about 1600. After 1630, I am present in the office to address several CCO 314 issues, including issues for the upcoming work on TR's 14-17. ABF's shift is 0700 to 1530. My shift is 0700 to 1730 and my OT hours are 1530 to 1730.