



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 10:57 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 710 Const Calendar Day: 155 Date: 06-Nov-2012 Tuesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 06:00 am 04:30 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 50 - 60 12 PM 60 - 70 4PM 70 - 80
Precipitation 0.00" Condition Mostly sunny

Working Day [] If no, explain:

Diary:

Dispute

Work description.

- Checked the two targets (prisms) on points which were scribed on existing blue chalkline denoting the center line of pier E2. Also while at the E2 cap beam two mini prisms with magnets were placed on the underside of the OBG to monitor the movement of both structural components during the day. This task was done from 6:00am to 6:30am. From 6:30am to 7:00am the prism for the backsight on E3 was set up. During this time the total station was also set-up occupying control point WP10000 on the E3W foundation of the Skyway. This task was done near the time of sunrise due to the schedule of the ABF crewboats.

- Shot two points to find out the location of the E2 cap beam centerline. The two centerline points were scribe marks located on existing blue chalkline denoting the center line of pier E2. This chalkline was set by ABF surveyors in August of 2011 with a clear line of sight before Shear Key, Bearing, Crossbeam 18, and OBG lift 13 erection. The centerline was checked by Caltrans and found to be within acceptable survey tolerances.

Three rounds of shots were taken on the two centerline points and OBG points mentioned above during different times during the day. The following table is a summary of the conditions and initial results observed in the field:

Table with columns: (mm) // Time(s) Total, Ambient, Steel/Location Taken, Wind (mph), Pressure ("Hg), // Distance E2CL. Rows include data for 6:20am, 7:00-7:15am Baseline, 8:35am, 9:50am, and 10:40-10:50am.

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 710

Date: 06-Nov-2012 Tuesday

East

2:00-2:10pm	70	N/A	E @ 1 mph	30.03	27 East	32
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3:10pm	73	88 W-Line Skyway	N/A	N/A	N/A	
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The official time of sunrise today was at 6:41am and the conditions during the three rounds of shots was done under sunny skies. It should be noted that since the survey was done from the new pier E3W of the Skyway the steel temperature had to be taken before and after the time of the survey given the access to the top deck and foundation.

- Checked the targets at the end survey then retrieved the equipment from the piers in the water and at the E2 cap beam.
- Planned for transporting the Extensometer back to the conex box on the bridge and measuring questionable cable band gaps with Tai-Lin Liu tomorrow.

Attachment



Conditions during the first set of shots from 7:00am to 7:15am, the time of sunrise was at 6:41am.



Steel temperature of 75F measured at 9:50am near the centerline (close to the polyester) of the W-Line Skyway steel tub section.



The final and highest temperatures observed today near the centerline (close to the polyester) of the W-Line Skyway steel tub section of 88F and 73F.



Steel temperature of 51F measured at 8:35am near EPP122CL as the ambient temperature was 53F indicating that the steel hasn't elongated.