



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:07 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 654 Const Calendar Day: 82 Date: 25-Aug-2012 Saturday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 12:00 am 05:00 pm Break: 11:00 Over Time: 06:00

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 60 - 70

Precipitation 0.00"

Condition Fair in the early AM to mostly sunny in the PM

Working Day If no, explain:

Diary:

Dispute

Work description.

- Continued to survey the additional points with the total station requested by TY-Lin designers Paul Chou and Hyat Tazir for the laser scan point cloud at the east end of the bridge. The intent of this survey is to provide points which will help define prominent features of the Hinge A interface. The following are the areas which need to be surveyed for the laser scan post processing:

- 1.) Seismic joint corners of both the Skyway and SAS
- 2.) North, South, and Centerline punchmarks on the SAS need to be reshoot since the release of the cradles under OBG lifts 13 and 14 has altered the geometry of the laser scan.
- 3.) OBG lift 14E/W top deck plate chamfer tangents at the OBG and Crossbeam 19 interface

The survey began at 11:20pm on Friday August 24th, and was completed today at 1:20am. The official time of sunset yesterday was at 7:50pm per weather.com. The ambient temperature during the survey was 53F under fair skies. The corresponding steel temperature was 52F measured on the E-Line Skyway tub section. Wind speed during the survey was from the West Northwest direction at 7mph and the barometric pressure was 29.88"Hg.

- Checked the backsight set over control point AJ631 during the day on pier E6 of the existing SFOBB east span. The same backsight is going to be used early Monday morning for additional surveying of the requested points and the sunlight can alter plumb of the target.

- Prepared for surveying the remaining points with the total station early on Monday morning August 27th since it is a challenge to work in the dark.

- Wrote today's and other outstanding diaries for the week.

