



SAS Superstructure

Location: 04-SF-80-13.2/13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:09 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 640 Const Calendar Day: 65 Date: 08-Aug-2012 Wednesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 05:00 am 02:30 pm Break: 00:30 Over Time: 01:00

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 Sunny

Working Day If no, explain:

Diary:

Dispute

Work description.

- Surveyed the perceived centerline points on the Skyway for the OBG deck survey and to determine the position of each Skyway cantilever. The points selected for the resection point were from the existing SFOBB east span piers for bringing control onto the Skyway structures are E2 (302), E3 (300), and AJ631 (631). The survey began at 5:20am and was completed at 6:15am with the official time of sunrise per weather.com at 6:19am. The ambient temperature during the survey was 53F under partly cloudy skies. The steel temperature measured at the end of the survey on the E-Line Skyway steel top deck was 55F. The wind speed measured from the West at 5mph and the barometric pressure was 30.00"Hg.

- Retrieved the backsight set on over control point AJ631 on pier E6 of the existing SFOBB east span.

- Began to analyze the surveying data gathered today in preparation for the upcoming OBG deck centerline survey. It was found that the points surveyed earlier this morning at the tip of the cantilever were not the true centerline point. However the points surveyed at the east end of the steel section near the polyester concrete appeared to be the centerline points. The points at the west tip of the Skyway cantilevers were likely done by ABF in response to State Letter 05.03.01-004968 "CCO 106 Skyway OBG Lowering - Surveying" and Bob Brignano's email to Jim Davidson and Dave Adams on August 19th, 2009 at 1:20pm.

- Attended a meeting in the TY-Lin office at 10:00am regarding east end surveys to date. Attendees included Bill Casey, Paul Jefferson, Hyat Tazir, Paul Chou, Norm Quach, Mazen Wahbeh, and Bahjat Dagher. TY-Lin presented a preliminary diagram of the bridge locations based on survey data compiled over the years. The result of the meeting was that this east end diagram was to be shared with ABF at the CAT meeting this afternoon. Also more clarification will need to be given to TY-Lin after they complete processing the point cloud data regarding the constraints of the scanned points at the SAS and Skyway interface.

- Measured the actual distances of the Skyway steel cantilevers using a steel tape with the assistance of John Lyons. See comments above and photos below for more details on the centerline punchmarks.

Attachment



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Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 640

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Punchmark and the measured center of the Westbound Skyway located at the west end cantilever tip near the seismic joint ledge.



Conditions at the end of this morning's survey.



Punchmarks and the measured center of the Eastbound Skyway located at the west end cantilever tip near the seismic joint ledge.