



**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:55 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 803 Const Calendar Day: 287 Date: 18-Mar-2013 Monday  
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 0.00" Condition Partly cloudy to mostly cloudy

Working Day  If no, explain:

**Diary:**

Dispute

**Work description.**

- Completed the survey request from Karen Wang and John Mountin of HNTB for the IERBYS topographic survey. Today the Trimble S8 total station was used to survey the two 36"-diameter manholes located in between two conex boxes where using GPS was not possible.

The information presented to the design consultants will be used for pavement quantities and drainage flow at this location. It is understood that this survey is not to determine property lines at this location. Emailed the results of the survey to Karen, John, and other pertinent personnel associated with this part of the project.

- Performed another reciprocal trig level from control point TWL270 up to working point T1SX located on the south tower head shaft top plate. Project coordinates were used this time to further validate the elevation of the working point T1SX. Control point E3 on the existing SFOBB east span foundation was used as a backsight for control point TWL270. It should be noted that for this survey given the locations (tower head top plate, existing E1 pier and E3 foundation) setting up foresights and backsights took a considerable amount of time. The ambient temperature while performing the reciprocal trig-level was 62F yielding a barometric pressure of 30.11"Hg under partly to mostly cloudy skies. Steel temperature was measured at 71F on a portion of steel exposed to the sun of the south tower head shaft parapet. The elevation obtained the other day of 159.989m for the south tower head top plate was similar to todays survey.

- Began to process the surveying data obtained and further analyzed the surveys done previously to determine elevations of critical components at the T1 tower top.

