



**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:10 PM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 631 Const Calendar Day: 53 Date: 27-Jul-2012 Friday  
Inspector Name: Bruce, Matt Title: Transportation Engineer  
Inspection Type: Intermittent  
Shift Hours: 08:00 am 04:30 pm Break: 00:30 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 50 - 60 12 PM 60 - 70 4PM 60 - 70  
Precipitation 0.00" Condition Overcast in the early AM to sunny

Working Day  If no, explain:

**Diary:**

Dispute

**Work description.**

- Picked up the Nikon NPL821 total station at California Surveying and Drafting Supply (CSDS) in Dublin at 8:00am today. I sent an email to Todd Harris confirming that the pickup was made.
- Met with TY-Lin designers George Baker and Paul Chou at 9:30am regarding the progress of the east end surveys specifically related to the Hinge A pipe beams.
- Met with Alta Vista Solutions consultants Bahjat Dagher and Dave Garrett to discuss the SAS OBG wire frame done in China. Basically it is X, Y, and Z coordinates of the OBG at the centerline associated with the Hinge A pipe beam sleeves. The localized wire frame coordinates provided were calculated from a survey which was based off of the Hinge A pipe beam sleeves to the Shear Key and Bearing local axis. It should be noted the that the project grid factor of 0.999932 was omitted in the China surveys. Once the information was submitted to me in an email I forwarded the electronic file to Paul and copied pertinent people associated with the east end survey.
- Verified the numbers for the supplementary Caice plots of scan control points 802, 803, 902, and 903 prior to sending out an email to all pertinent personnel associated with the scanning survey at the east end.
- Checked the progress of the point cloud data processing done by the District 4 scanners for the east end of the SAS bridge. Also left them a copy of the SAS Load Transfer animation, so they could understand the process and why we are scanning the SAS bridge before and after the loading.
- Went to the field to prepare for upcoming surveys related to the tower release during load transfer and the OBG centerline position prior to load transfer. Initially it appears that the tower survey wont occur until the saddle cover plates and tower head are installed. This is due to the fact that setting a few points and prisms up in this area are critical to structural analysis and the conditions need to be final before this can be done. Regarding the OBG centerline survey before load transfer, the removal of cradles for OBG lifts 13E/W needs to be done prior to this survey.

