



### SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 11:02 AM

## Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 443 Const Calendar Day: 804 Date: 21-Nov-2011 Monday  
 Inspector Name: Bruce, Matt Title: Transportation Engineer  
 Inspection Type: Intermittent  
 Shift Hours: 07:00 am 04:30 pm Break: 00:30 Over Time: 01:00  
 Federal ID:  
 Location:  
 Reviewer: Mathur, Lalit 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 Overcast to partly overcast

Working Day  If no, explain:

### Diary:

Dispute

#### Work description.

- Assisted the District 4 surveyors/scanners Robert Dolan and Juan Barahona with scanning the backspan of the SAS bridge. The intent was to test the capabilities of the Leica scanner for scans on the tower and cable. The scanning images taken today will be used as part of a compilation to capture the SAS bridge before and after load transfer. The scan began at 9:00am and ended at noon. The ambient temperature range was 50F to 54F during the survey with overcast to partly overcast skies. The steel temperatures were taken on the OBG w/an infrared temperature gun at the following locations:

- Setup #1 @ JA1001 (steel temp. of 44F on OBG1W in the shade while backsighting JA1000)
- Setup #2 @ PP3WS20 (steel temp. of 59F at backsight PP5EN31 in the sun)
- Setup #3 @ PP5EN31 (N/A)
- Setup #4 @ T81W (steel temp. of 73F on OBGs 1E to 5E in the sun)

- Began to review scanning images taken today.
- Prepared for the scanning operation tomorrow and future scans of the SAS bridge.
- It should be noted that the Hinge K pipe beam protective covers were still over the end points to be surveyed. This issue also makes it difficult to scan the pipes. ABF is aware of the issue and is addressing other work at the W2 cap beam related to the cable secondary hauling system. I asked ABF superintendent Scott Smith about the issue again and he will try to do this task as soon as possible after the work on the secondary hauling system is completed.

### Attachment



View from the erection tower of the mainspan where the scanner



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Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 443

Date: 21-Nov-2011

Monday

obtained images.



ABF ironworkers relocating/moving the counterweights and corresponding frame underneath the W2 cap beam.



The Leica scanner in the process of obtaining images set on the T1 erection tower.



View from control point PP3WS20 used for scanning the backspan of the SAS bridge.