



**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 10:57 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 460 Const Calendar Day: 832 Date: 19-Dec-2011 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

Working Day  If no, explain:

**Diary:**

Dispute

**Work description.**

- Attended weekly SAS staff meeting at 8:00am.
- Prepared the Alta Vista surveyors for becoming acclimated with control on Treasure and Yerba Buena Islands.
- Assisted the Alta Vista surveyors with the survey task for today which was to use their total station to check control. The total station occupied control point MB007 on the Navy Pier and the control points checked were TIN3 and 6056. The surveyors had to be shown the exact location of control point 6056, and reminded to use the project grid-factor of 0.999932. Once they were situated with using project control, myself and Chris tried to use the robotic feature (remote control) of the Trimble total station to test the accuracy. Both myself and Chris went to the top of the tower saddle. Shots were attempted on points K, L, M, N, Y, and Z of the tower saddle. As this was being done it was discovered that the total station was out of plumb. When checking the backsight set on TIN3, this observation was confirmed as it was out ~70mm. While shooting these points the Alta Vista numbers were being compared to the numbers that I previously measured on the tower December 8th and 9th. Since this happened while using the robotic feature (remote control) it was determined that Chris stay adjacent to the total station while taking shots.
- The following is the hours worked by the Alta Vista consultants today:
  - Dave Garrett (survey party chief) = off
  - Chris Ferrucci (instrumentman) = 8hrs
  - Erol Schaller (rodman) = 8hrs
- Sent an email to Robert Dolan (District 4 scanner) to arrange a time to meet about the scans done on the Hinge K pipe beams as it relates to the design of the rebar.
- Assessed the survey that needs to be done on the Hinge K tie-down blockouts with Chris and Erol, see photos below for details.
- Continued to prepare for surveying the first cable strand and worked on other cable related surveying issues.



**Attachment**



## Daily Diary Report by Bid Item

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North cable strand hauling frame seen going down the backspan during the testing of the system.



ABF ironworkers and engineers working on the north cable strand hauling frame connections.



The YBITS W-Line bridge concrete and formwork progress seen near the W2 cap beam.



Square blockouts seen below in the bottom slab of the last bay on the YBITS W-Line bridge.



South cable strand hauling frame seen going up the backspan during testing of the system.



Profile of the bikepath railing seen from the W2 cap beam looking east.

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## Daily Diary Report by Bid Item

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First two cable strand spools placed on the swifts located near the north end of OBG lift 13W.