



**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 389 Const Calendar Day: 729 Date: 07-Sep-2011 Wednesday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 05:30 pm Break: 00:30 Over Time: 02:00

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 60 - 70 12 PM 70 - 80 4PM 70 - 80  
 Precipitation 0.00" Condition Sunny

Working Day  If no, explain:

**Diary:**

Dispute

**Work description.**

- Continued to process the surveying data from Friday September 2nd of the GPS and total station measurements on the tower, tower saddle, and grillage.
- Continued to prepare the GPS equipment for future surveys of the tower saddle. Created a plot in the data collector for the theoretical deflection of the tower in the final position of the pullback per Submittal 1224R1.
- Continued to prepare for surveying the tower, tower saddle and grillage during pullback operations with District 4 surveyors. As of today ABF plans to remove the slack in the cables and tension to a specified load under the prescribed amount tomorrow. Real time/intermediate surveys will be done to check the position of the tower as this operation commences. Coordinated with Saman Soheilifard on the measurements to be taken during the pullback operation. Also walked with Saman through areas of the tower and erection tower to check the conditions after the erection tower was pushed to the east and before the permanent tower is pulled back towards the west.
- Agreed with Lalit Mathur and David Bradd that they would watch the operation of temporarily connecting Crossbeam 18 to Shear Keys S3 and S4. Also I informed them of the surface conditions of the Shear Keys and Crossbeam 18 need to be inspected by Caltrop paint inspector Fenton prior to fit-up. I am busy with the tower pullback survey and this operation is going to have to be watched by these three inspectors.



**Attachment**



Timber shims used to hold the erection tower in the initial out of plumb condition towards the east.



View from the west corner at platform 4 of the permanent tower looking down.

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Notch cut into an erection tower beam at platform 4 on the west of the permanent tower after the erection tower was pushed out of plumb to the east.



South corner of the tower grillage where the survey point is offset 50mm x 50mm from the edge.



Longitudinal bearing pad on the east shaft at elevation 99m where the movement of the erection tower is seen by the skid marks on the shaft.



Jacking stools used to push the erection tower out of plumb towards the east.