



Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 484 Const Calendar Day: 867 Date: 23-Jan-2012 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 0.14" Condition Rain and high winds (AM) to overcast (PM)

Working Day If no, explain:

Diary:

Dispute

Work description.

- The tasks completed today by the Alta Vista surveyors included the following:
 - 1.) Dave, Chris, and Erol attended the weekly SAS Staff meeting at 8:00am.
 - 2.) Dave worked on checking and analyzing the level run data for cable strand no. 1 sag in the West loop. Also to check the ABF numbers against our numbers for the final cable strand no.1 survey.
 - 3.) Chris worked on printing out the raw data for all of the surveys done on the project thus far including the point lists.
 - 4.) Erol assisted Dave and Chris with the tasks assigned to them today.
 - 5.) The consultant surveyors were told to check if the PK nails on the YBITS W-Line bridge were damaged or destroyed since MCM had a grinding machine on the deck last week. It is unknown if they completed this task. Also since SDI is in the process of post-tensioning the W-Line bridge the surveying consultants were told to prepare for surveying the 24 points set on the top deck from the cantilever back to column 4 .
- The following is the hours worked by the Alta Vista consultants today:
 - Dave Garrett (survey party chief) = 8hrs
 - Chris Ferrucci (instrumentman) = 8hrs
 - Erol Schaller (rodman) = 8hrs
- Prepared the Alta Vista consultants for their tasks for the day.
- Attended the weekly SAS Staff meeting at 8:00am.
- Made it a priority to closely observe the operation to adjust cable strand during the day. The following comments are related to this inspection task:
 - 10:30am = ABF was adjusting cable strand no. 6 at the west loop. ABF personnel present for this operation were Zach Lauria, Karsten Baltzer, Scott Smith, and Levi Gatsos. Independent measurements for the amount to adjust were not taken for cable strand no. 6 at this location.
 - 11:30am = The ironworkers began to disassemble the cable strand adjuster jacking assembly on cable strand no. 6 and placed the adjuster grips on cable strand no. 5 for rough adjustment at the west loop. Prior to adjusting cable strand no. 5 at the west loop I took measurements at the west deviation saddles referencing the divider plate



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 484

Date: 23-Jan-2012

Monday

100mm near the strand and a mark on the strand. The initial measurements were on the south end and 50mm on the north end.

1:10pm = Took initial measurements on the west side of the tower saddle trough at the divider plates near cable strands nos. 3, 4, and 5 for the sidespan rough adjustments. The baseline measurements are as follows 3S = 90mm, 4S = 297mm, 5S = 297mm, 3N = 47mm (east edge of only red mark on strand), 16mm (east edge of only green mark on strand), 122mm (east edge of only red mark on strand)

1:50pm = Met with Alex Schmitt to discuss when final adjustment would take place on cable strands no 3, 4, and 5 at the sidespans. He had a meeting to attend regarding adjustment, however he needed me to measure the ambient and steel temperatures at the midspan of the north/south sidespans. The following are the temperatures measured with two temperature gauges and the infrared temperature gun probe:

	North Sidespan Cable Stand No.			
	1	2	3	4
Temp. Ambient (F)	54	53	52	55
Temp. Steel (F)	54	54	57	61

were Note: Cable strand no. 4 was exposed to the sun while the other strands were partially shaded by the angle of the sun and cable strand no. 4.

	South Sidespan Cable Stand No.			
	1	2	3	4
Temp. Ambient (F)	52	52	53	53
Temp. Steel (F)	55	56	57	56

to Note: The clouds blocked the sun, therefore the strands were not exposed to sunlight. The north sidespan was measured first and the last measurement was complete on cable strand 4 at 2:10pm.

2:30pm = ABF engineer Zach Lauria was adjusting cable strand no. 4 at the west end of the tower saddle to rough adjust the cable strand at the south sidespan.

2:45pm = Rough adjusting was completed on cable strand no. 4 at the west end of the tower saddle for the south sidespan. I took a measurement on cable strand no.4 after adjustment and recorded a value of 326mm. The amount of adjustment was East 29mm in the horizontal direction. John Lyons confirmed this measurement as he took his from the east end of the tower saddle.

Observed the operation to form/place cable strand No. 7 at the west loop particularly at the W2E west deviation saddle. I took pictures of cable strand no. 7 at the south end prior to placing into the saddle trough. This was done to document the condition of the preformed cable strand prior to placing into the saddle. See photos below for additional details and comments. The preformed section for the upper 1/3 of the saddle was unacceptable prior to placing into the saddle trough. The following are my observations for the remainder of the operation at this location:

3:50pm = Cable strand no. 7 was installed into the jacking saddle.

4:00pm = Measured the depth of the trough prior to placing into the W2E west deviation saddle trough with Abbas Iranmanesh with the following measurements at the

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 484

Date: 23-Jan-2012

Monday

247mm guide posts referencing the adjacent divider plate: 10 = 245mm, 9 = 245mm, 8 = 247mm, 7 = 252mm, 6 = 246mm, 5 = 247mm, 4 = 248mm, 3 = 246mm, 2 = 247mm

near There are a total of 11 guide posts with post 11 near the west loop and post 1

to the floating arm. This is being done to try and determine if wires are crossing due to the loss of shape.

4:10pm = ABF ironworkers began to install cable strand no. 7 into the W2E west deviation saddle. ABF engineer Levi Gatsos was present for the installation into the saddle trough.

being 4:35pm = ABF ironworkers began to set up the cable strand adjuster for cable strand no. 7 at the west deviation saddle. ABF plans to begin adjusting the cable strand as it is installed into trough due to issues with not being able to adjust the cable strand to the proper sag with the all of the cable strand in the west loop troughs.

The ABF ironworkers installed approximately 10 to 15 feet of cable strand into the trough before the end of shift. At this time Brian Maroney, Marwan Nader, George Baker, James Duxbury, Kevin Smith, et. al. were onsite to observe the issues related to the placement of cable strand in general at the W2E west deviation saddle. See Warren Collins and Roman Granados diaries for additional details regarding the discussions and decisions. I gave my opinions and observations to Warren and Roman to convey the message to the designers regarding cable strand placement at this location. I think the tape is a "band-aid" for poor workmanship by the foreman Jerry Kubala at this location. The cable strand placement has improved at this saddle due to the tape being left on the strand. However the same bad habits while installing strand are still present and the proper techniques of not being meticulous are not being emphasized by ABF management. The preformed shape is still not acceptable even with the tape as the cable strand is rounded in some locations and the 11 outer faced wires are not in tact prior to installing into the saddle trough. This bad practice was executed on cable strands nos. 5 and 6 where the tape was allowed to be left on the strands. For the time I was present listing to the designers they more or less agreed to these observations and conveyed their concerns to Kevin Smith.

- See Victor Altamirano, Lorraine Woo, and Abbas Iranmanesh's diaries for additional details on the operation, labor, and equipment at the west loop saddles.
- See Alex Schmitt and John Lyons diaries for additional details on the operation for adjusting cable strand during the day at miscellaneous locations on the project.

Attachment



Daily Diary Report by Bid Item

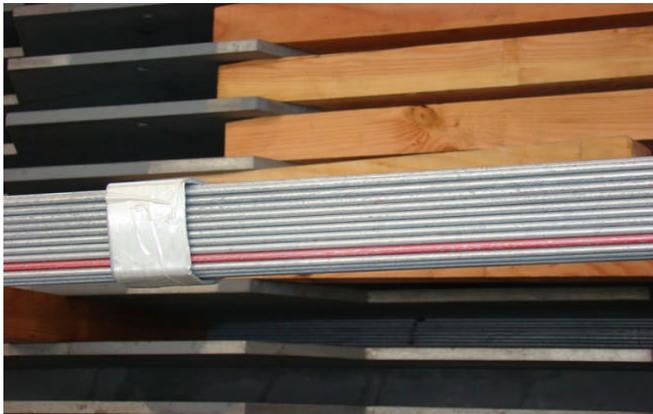
Job Name: 04-0120F4 Inspector Name Bruce, Matt

Diary #: 484 Date: 23-Jan-2012 Monday

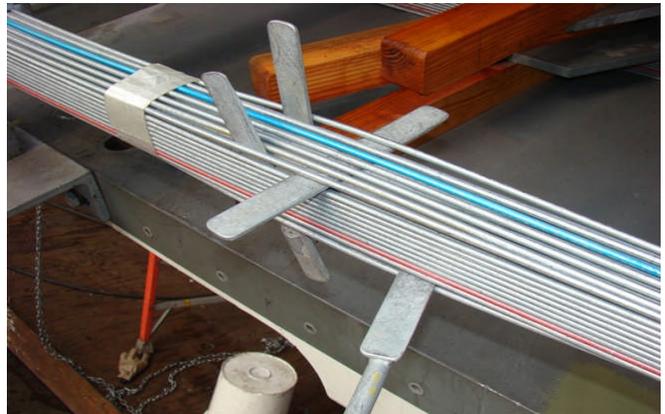
View of the backside of cable strand no.7 just prior to the section being installed into W2E west deviation saddle trough.



Cable strand adjuster jacking assembly prepared to rough adjust cable strand no.4 at the tower saddle for the south sidespan.



Unacceptable preforming of the rectangular shape for cable strand no. 7 prior to placing into the W2E west deviation saddle.



ABF ironworkers are now using 4 knife plates on cable strand no.7 just prior to the section being installed into W2E west deviation saddle trough.



ABF ironworkers connecting the PWS adjuster grip to cable strand no. 6 and the sheave block/comealong at the north end of the W2 cap beam.



Poorly preformed section of cable strand no.7 inside the W2E west deviation saddle restraint system and birdcaging outside the restraint clamps.

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 484

Date: 23-Jan-2012

Monday



Schwager Davis Inc. post-tensioning the W-Line of the YBITS bridge with the protective shields placed by MCM for wedge/strand failure.



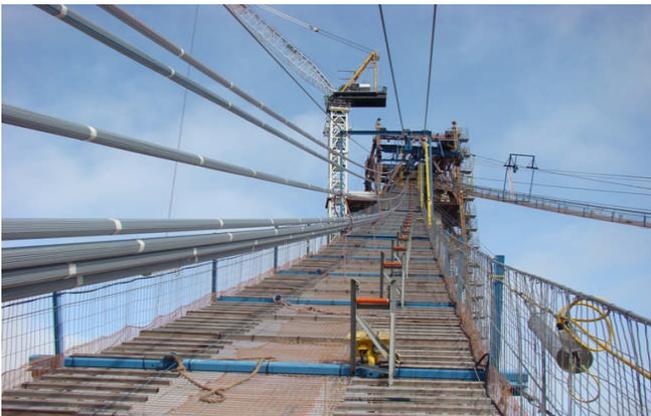
Cable strand adjuster jacking assembly pulling on cable strand no.6 for adjustment at the north section of the west loop.



Steel temperature of cable strand no. 4 at the north sidespan taken under mostly cloudy skies w/the infrared temperature gun probe.



Unacceptable preforming of the rectangular shape for cable strand no. 7 prior to placing into the W2E west deviation saddle.



Cable strand configuration on the north sidespan today under mostly overcast skies for the ambient/steel temperature measurements.