



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 2:09 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 199 Const Calendar Day: 841 Date: 28-Dec-2011 Wednesday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 AM 07:30 PM Break: 00:30 Over Time: 04:00

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 12 PM 4PM
Precipitation Condition

Working Day If no, explain:

Diary:

Dispute

Cable Hauling

Floating and installing the first Cable strand was ongoing today.

Tony Costa's crew was working near the Tower saddle for the entire shift.
CJ Biskner's crew was working near the Tower saddle for the entire shift.
Portions of Jerry Kubala's crew came up to work on replacing rollers to get ready for hauling strand #2 tomorrow. See Abbas's diary for a list of labor for these workers.

The following is a summary of the activities near the Tower saddle from today:
- From 07:00 until 08:20, the foremen were performing a safety evaluation as a follow-up to yesterday's incident of the failed winch line. During this time, the other members of the crew were replacing Crosby clamps (and torque verifying after tensioning the bolts) on all of the winch lines. Also, they were working to clear the debris from the South side of the Tower saddle.
- At 08:50, the winch was engaged, and the strand in the South main-span was re-floated.
- From 09:00 until 10:45, I was checking the strand at the Tower saddle for damaged wires along with Roman Granados, Saman Soheili, and Matt Bruce.. A total of 9 wires were found to have some kinks (see attached photos). ABF plans to perform some testing of spare strand to try to recreate the worst case, and have these samples sent to the lab for testing.
- At 09:30, strand forming was started on the South side of the Tower saddle. They needed to take a small amount of twist (about 45 degrees) out of the strand prior to installing. They did this locally with nylon slings. However, the wires wanted to twist back, and would not hold their shape in the trough. So they stopped, and removed the strand from the trough.
- From 10:00 until 11:00, they connected the floating clamps on the South strand just to the East and West of the saddle, and used these clamps to remove the twist across the entire length of the saddle.
- At 11:05, the North strand was floated out of the Tower rollers with chain-falls and nylon slings.
- At 11:40, strand forming was started on the North side of the Tower saddle.
- At 11:50, strand forming and installation was re-started on the South side of the Tower saddle.
- From 13:00 until 13:45, the kinks in the wires in the South trough were straightened. I closely inspected each wire while it was being straightened. See attached photos of the straightening tool that was used. Each kink in the wires that was identified earlier was straightened. Each kink was removed with minimal effort and working of the wire. After the wire was straightened, the area was touched-up with MC-Zinc-100 paint to repair the galvanizing damage (see attached photo).
- At 14:00, the strand in the South trough got out of whack with crossing wires, so they pulled it out to re-start again.
- At 14:20, strand forming and installation was re-started on the South side of the Tower saddle. This time, they were taking extra care when installing the strand into the trough. When needed, they used a porta-power to separate the divider plates where the spacing was not sufficient for the strand to enter the trough



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(see attached photo).

- Conversation: I spoke with both Scott Yeager and Andre Markarian of ABF to inform them of a potential concern regarding strand installation. Once the knife plates were inserted to start strand forming and the square clamp was attached, the knife plates were removed, and they no longer used any knife plates in front of the strand former. They would intermittently use a knife plate along the top for the top 11 wires, but not along the sides or the bottom. This was of particular concern at one point at the South trough when the strand former needed to be removed when the strand was already installed for the first 2m of the trough. The strand former was removed, and the strand in front of the installed portion was collapsed, and did not have a decent hexagonal shape to know where to re-insert knife plates. The crew had to try to trace the wires as they were coming up out of the trough to know where to install the knife plates. This issue was also discussed in the after hours meeting mentioned below.

- From 17:15 until 18:00, we had a meeting to discuss the strand installation at the Tower saddle. Brian Boal, Roman Granados, Saman Soheili, and I met with Kevin Smith, Karsten, Scott Yeager, and Andre Markarian from ABF to discuss some concerns that were had about the strand installation.

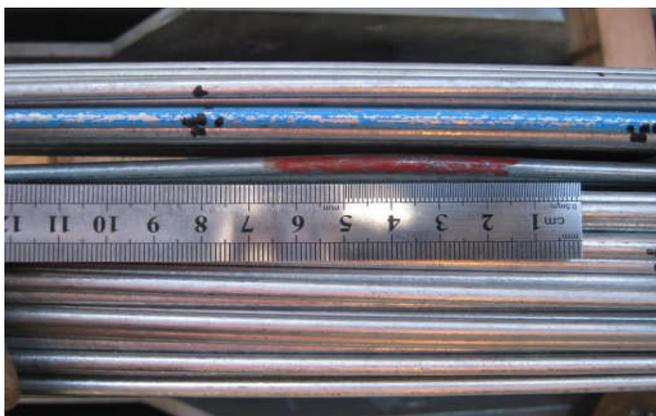
04-0120F4 Bid Item: 067 C-PWS-001.067 Install & Adjust PWS 1-5

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	JNM	RENE MULATO	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	ETHAN KENT	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	STANLEY DALIE	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	MATTHEW COCHRAN	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	CHRISTOPHER BISKNER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Operator	JNM	HOWARD SCHROYER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Operator	OTH	NICOLAUS SHAFER	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	JACOB MECHE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	APP	AUGIE SOLIS	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	CASEY LUX	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	KEVIN RATCLIFF	0.00	0.00	0.00	0.00		<input type="checkbox"/>
Ironworker	JNM	RICHARD CHOUINARD	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	ANTHONY COSTA	8.00	2.00	0.00	10.00		<input type="checkbox"/>

Attachment



Knink in wire at South Tower trough (length typical of all of the kninks)

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that were found)



Use of porta-power to separate divider plates during strand installation



Wire straightening tool in use



Paint repair to damaged galvanizing



Kink in wire at South Tower trough



Tool used to straighten kniked wires