



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 4:09 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 279 Const Calendar Day: 955 Date: 20-Apr-2012 Friday
Inspector Name: Wright, Doug Title: Transportation Engineer
Inspection Type: Continuous
Shift Hours: 06:45 AM 03:30 PM Break: 00:30 Over Time: 00:00
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 [checked] If no, explain:

Diary:

Dispute

Cable Compaction



Overview of work today:

Cable compaction continued today on all spans.

- I was inspecting Gary Anderson's crew on the North main-span. See below for details of the work performed, & a list of labor for this work.
- Sami Daouk was inspecting compaction on the South main-span.
- Saman Soheili was inspecting compaction the North side-span.
- Victor Altimarano was inspecting compaction on the South side-span.

- I arrived at the pier 7 office at 06:45, & was on the bridge at 07:00.

Cable Compaction - North main-span:

- At the beginning of the shift, compaction continued down the span from PP49.9, where they stopped at the end of the day yesterday.
- I periodically checked the jack pressures during compaction, & kept an eye on the wires while the compaction shoes were extending to make sure that they do not pinch any wires.
- The pressures were kept fairly constant during compaction. The normal operation was to bring up the jack pressures to about 8000 psi, & then hammer the Cable to excite the wires. This hammering would typically drop the pressures down to about 7000 psi.
- At 09:40, a wire was pinch by the compaction shoes, & was bent severely. See attached photos. The location is at strap #50-7 (near PP51 & catwalk post #8). This location is about 3.4m uphill from the edge of the nearest Cable band. The crew was planning to straighten it, but I directed them to leave it as-is because it will most likely need to be spliced. I informed Roman Granados & ABF Engineer Andre Markarian of the bent wire.
- At 10:30, I noticed that the spacing between straps had increased to up to 1.35m. I spoke with the foreman to let him know that this was excessive. After this time, the spacing of the straps was OK.
- The production rate throughout the shift was a squeeze about every 20 minutes.

The readings below were diameter measurements taken by me at the strap locations. They are after the load was released, & at a 20 degree rotation.

- Strap 48-9: Height = 776mm - Width = 790mm
Strap 50-1: Height = 773mm - Width = 790mm - Cable band
Strap 50-2: Height = 776mm - Width = 791mm - Cable band
Strap 50-3: Height = 777mm - Width = 791mm - Cable band
Strap 50-4: Height = 779mm - Width = 793mm



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Strap 50-5: Height = 776mm - Width = 795mm
 Strap 50-6: Height = 776mm - Width = 795mm
 Strap 50-7: Height = 776mm - Width = 795mm
 Strap 50-8: Height = 777mm - Width = 790mm
 Strap 50-9: Height = 774mm - Width = 794mm
 Strap 52-1: Height = 775mm - Width = 794mm - Cable band
 Strap 52-2: Height = 777mm - Width = 795mm - Cable band
 Strap 52-3: Height = 777mm - Width = 794mm - Cable band
 Strap 52-4: Height = 778mm - Width = 794mm
 Strap 52-5: Height = 777mm - Width = 791mm
 Strap 52-6: Height = 777mm - Width = 795mm
 Strap 52-7: Height = 774mm - Width = 793mm
 Strap 52-8: Height = 774mm - Width = 793mm

Also, circumference measurements were taken at every Cable band location & sporadically outside of Cable bands. The circumference measurements tracked a little closer to the expected numbers based on diameters than yesterday's measurements, & were generally acceptable.

- I left the bridge at 15:00. Alex Schmitt covered the work for the remainder of the shift. See his diary for details of the work performed after this time.

04-0120F4 Bid Item: 067 C-PWS-SUC.067 Compact Suspension Cables

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	APP	JUN PERALTA	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	Jose ALFARO	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	BARRY ROTHMAN	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	JNM	HAYES BATISTE	8.00	2.00	0.00	10.00		<input type="checkbox"/>
Ironworker	FOR	GARY ANDERSON	8.00	2.00	0.00	10.00		<input type="checkbox"/>

Attachment



A little closer view of bent wire at PP51



View along compacted Cable of North main-span

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Inspector Name Wright, Doug

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Friday



General view of bent wire at PP51