



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 4:08 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 285 Const Calendar Day: 962 Date: 27-Apr-2012 Friday
Inspector Name: Wright, Doug Title: Transportation Engineer
Inspection Type: Continuous
Shift Hours: 06:50 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 12 PM 4PM
Precipitation Condition

Working Day [checked] If no, explain:

Diary:

Dispute

Cable Compaction

[checkbox]

Overview of work today:

Cable compaction continued today on all spans.

- I was inspecting Jim Benninghove's crew on the North main-span. See below for details of the work performed, & a list of labor for this work.
- Laraine Woo was inspecting compaction on the South main-span.
- Saman Soheili was inspecting compaction the North side-span.
- John Lyons was inspecting compaction on the South side-span.

- I arrived at the pier 7 office at 06:50, & was on the bridge at 07:00.

Cable Compaction - North main-span:

- From 07:00 until 08:10, the crew was chasing slack wires at the bottom of the North main-span. See attached photos.

- At 08:15, compaction started at PP83.5 (strap 82-7), where they stopped at the end of the night shift.
- 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.

Note: at strap 82-7, there was a minor bent wire at the bottom of the Cable.

- From 08:50 until 09:10, compaction was on hold while they checked out the winch.
- At 09:45, I left the North main-span to go to the warehouse to help with measuring of Cable band bolts. See the diary of Roman Granados for compaction activities during this time.
- From 10:00 until 12:00, I was in the warehouse at the Cable band bolts. I met with Tai-Lin Lui, & he gave me an orientation on how they are taking the measurements of the unstressed lengths. All of the inspectors need to use the same procedures so we make sure that the results are as repeatable as possible. I then measured the unstressed lengths of 18 bolts in Cable band 32 North with the Mini-Max.
- At 12:30, I arrived back at the North main-span.
- Compaction continued without incident in the afternoon.
- The production rate throughout the shift was a squeeze about every 20 minutes. This was a little slower than previous days because they were having some issues with straps breaking.

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

Strap 82-5: Height = 783mm - Width = 790mm
Strap 82-6: Height = 782mm - Width = 789mm



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Job Name: 04-0120F4 **Inspector Name** Wright, Doug **Diary #:** 285 **Date:** 27-Apr-2012 **Friday**

Strap 82-7: Height = 782mm - Width = 792mm
 Strap 82-8: Height = 782mm - Width = 794mm
 Strap 82-9: Height = 784mm - Width = 793mm
 Strap 82-10: Height = 783mm - Width = 793mm
 Strap 84-1: Height = 781mm - Width = 793mm - Cable band
 Strap 84-2: Height = 781mm - Width = 793mm - Cable band
 Strap 84-3: Height = 780mm - Width = 791mm - Cable band
 Strap 84-4: Height = 779mm - Width = 794mm
 Strap 84-5: Height = 782mm - Width = 793mm
 Strap 84-6: Height = 782mm - Width = 794mm
 Strap 84-7: Height = 779mm - Width = 799mm
 Strap 84-8: Height = 777mm - Width = 797mm
 Strap 84-9: Height = 777mm - Width = 797mm

Also, circumference measurements were taken at every strap. These measurements were recorded on the compaction inspection checklist.

- At the end of the shift, I met with ABF Engineer Ankur Singh to review the diameter & circumference measurements on the portion of the Cable that was compacted today. I agreed that the dimensions were acceptable, & signed the buy-off sheet.
- At 15:20, I left the bridge, & arrived back at the pier 7 office at 15:30.
- From 15:30 until 16:30, I went back to the warehouse to help Tai-Lin Lui measure unstressed lengths of Cable band bolts. I measured the unstressed lengths of 28 bolts, 14 bolts each in Cable bands 50 North & 52 North.
- From 16:30 until 17:00, I met with Tai-Lin to discuss the Cable band bolt issues (measurements, file naming system, etc).
- From 17:00 until 17:30, I wrote my diary for the day, & filled out the inspection checklist.

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	JNM	MICHAEL DRAPER	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	MICHAEL PORTILLO	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	Tony Miranda	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	RYAN EVANCHIK	8.00	0.00	0.00	8.00		<input type="checkbox"/>
Ironworker	FOR	JAMES BENNINGHOVE	8.00	0.00	0.00	8.00		<input type="checkbox"/>

Attachment



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 285

Date: 27-Apr-2012

Friday



Slack wires at the bottom of main-span - before being chased out



Strands at bottom of main-span - after slack wires chased out