



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:52 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 813 Const Calendar Day: 299 Date: 30-Mar-2013 Saturday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 07:00 am 04:30 pm Break: 00:30 Over Time: 09:00

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 50 - 60 12 PM 60 - 70 4PM 60 - 70

Precipitation 0.00"

Condition Fog in the AM to partly cloudy

Working Day If no, explain:

Diary:

Dispute

Work description.

- Inspected the stressing operation to verify the Pjack load in tower foundation anchor rods with Sami Daouk, see his diary for the ABF ironworker names. Boltight pump number 2222000756 with gauge number 12906134/28 was used for verifying the loads in all rods mentioned below. Similarly Boltight jacks RN7194, RN7197 and RN 7208 was used for this stressing operation. Myself and Sami took measurements of the anchor rods stressed today from the top surface of the bearing plate to the end of the anchor rod before and after load verification of the anchor rods. The following anchor rods on the outside perimeter of the tower shaft and shear plates were verified today:

a1 (N) 01 to a1 (N) 02

c (E) 01 to c (E) 12

c (W) 01 to c (W) 12

N12 to N35

W12 to W35

E20 to E35

A total of 90 anchor rods were verified today in an 8hr shift. It should be noted that all of the anchor rods on Shear Plate c (W) and West tower shaft rods W12 to 14 were verified at 100% of the Pjack load. Per Mohammed Awal all of the other remaining rods were to be stressed at 105% Pjack. Overall while verifying that the anchor rod Pjack load was maintained after tower erection, pullback, and load transfer no significant losses were observed. However it should be noted that anchor rods N20, N21, W13, E23, E29, E30, E31 and E32 were found to have loose nuts after the initial 105% Pjack force was tested. For the three 4" diameter anchor rods stressed in the N21 pattern, 105% Pjack was tested twice with the nut for rod N21 still loose after two iterations. Therefore Sami and myself instructed the ironworkers to increase the Pjack load to 110% and recheck after the third iteration. Three inch diameter rods E23, E31 and E32 were stressed twice to ensure that the nut was fully locked with the proper load in the rod.

Also it should be noted that the stressing operations details were discussed with ABF engineer Andre Makaranian and Mohammed Awal today.

Attachment



ddrRptbyBidItem

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 813

Date: 30-Mar-2013

Saturday



Marking made near the anchor rods confirming that there was minimal loss of the tensile load.



Pjack pressure of 12,600psi at 100% on the 3" diameter anchor rods seen on the Boltight pump gauge.



Initial measurement taken before performing load verification on the outer perimeter tower anchor rods.



ABF ironworkers placing Boltight jacks over the 4" diameter rods on the corner of the North tower shaft.



Damage on the underside of Crossbeam 8 seen from the east side of the T1 foundation due to the temporary truss demo crane accident.