

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 862

Project Work Day No.: 1072

Date: 04/23/2009

Inspectors	Start	06:30	Stop	14:00
Hours				
Shift Hours		06:30		17:30

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI

HOURS - ITEM NO.											REMARKS		
EQUIPMENT AND/OR LABOR:			#34 Prestressing Cast-In-Place Concrete (Pier W2)								IDLE OR DOWN	Name Contractor	
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)										Name	Contractor
1	1	Field Superintendent	8									Ralph Craig	SDI
2	1	Ironworker Foreman	8									Erin Jones	SDI
3	1	Ironworker Journeyman	8									Darrin Kurz	SDI
4	1	Ironworker Journeyman	8									James Carriker	SDI
5	1	Ironworker Journeyman	8									Randy Hill Jr.	SDI
HPU-E-30-10K-02	1	A-Frame Ram Support	8										SDI
HPU-D-110-3K-02	1	Hydraulic Pumping Unit								8			SDI
SPH.60.3K.06	1	Strand Pushing Unit								8			SDI
CH600-B-110	1	600 Ton Ram	8										SDI
CH820-B-03	1	820 Ton Ram											SDI
B-117	1	110 Ton Ram	8							8			SDI
B-36	1	110 Ton Ram	8										SDI
HPU-E-10K-21	1	Hydraulic Pump	8										SDI

Weather: Overcast with cool to mild temperatures – Hi 70°F Low 48°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Continued bushing the concrete surfaces of the W2W vertical PT blackout.
- Continued to remove vertical/battered strongbacks (double channels and tubing) and timber forms (plywood and 4"x6"s) on the the west end of the cap beam. Also continued chipping polystyrene blackout for the W2W Hinge K assembly grout pads.
- Continued cleaning the bearing plates and hex nuts of the long vertical PT bars at W2W.
- Continued to vacuum and blow out water in the ducts of the long vertical PT bars at W2W.
- Installed handrails around the manholes located near the jacking saddle.

SDI

- Stressed the first stage transverse tendons from number 15(CBT-24) to number 21(CBT-34) in the sequence on the south end of the cap beam. At this point the "A-Frame" was moved to the north end because of the ram conflict with the scaffolds. CBT tendons 1 through 20 in the sequence were then stressed at the second end. This was done to achieve the total elongation so that the strand tails could be cut for CBT-11 to 22 and the scaffolds could be moved to stress the remaining tendons, see Saman's diary for details.

- Stressed the long vertical bars 1 through 63 in the sequence specified at W2E using the B-36 and B-117 rams and corresponding pressure gauges labeled "A".

Notes:

- The sequence of stressing first stage transverse tendons CBT-11 to 36 was specified by the latest revision in Submittal 150 dated July 13th, 2007.
- Assumed anchor set for the strand/wedges is 9mm.
- A strain indicator (serial number 59432) was used to monitor the 100% P_{jack} (1183 kips) load on CBT-33, 32 and 100% P_{jack} (165 kips) load on VB-54E and VB-75E. I spoke to Glen Weldon in the Sacramento Translab to obtain the Numerical Display and the Gauge Factor numbers for the B-36 and B-117 rams since it wasn't posted on OSC's RCC.
- Saman primarily watched the transverse tendon stressing with intermittent help from myself. I witnessed the entire operation for stressing the vertical PT bars at W2E. Both of us monitored the elongation measurements, anchor set, and the load/pressure being applied by the jack. To our knowledge no strand/wire failed or slipped. Also see Saman's diary for safety issues related to the scaffold while stressing.
- Mike Schwager was onsite for the first hour of stressing operations and ABF QC Manager Chuck Kanapicki was onsite intermittently during the day.

Office work:

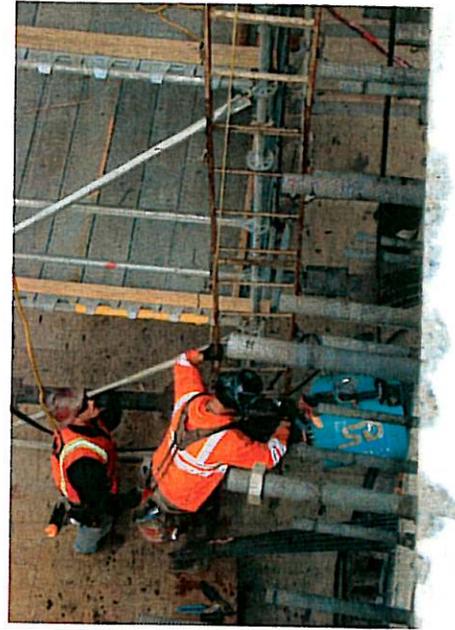
- Continued to review elongations for transverse tendons stressed yesterday and today.
- Began to write today's diary.
- Continued to discuss the elongations with Saman and TY-Lin designer James Duxbury. Saman and myself asked James if the values presented for the total elongation of the first 20 transverse tendons were acceptable. James said that he would let us know prior to stressing operations at 6:30am tomorrow morning.

Inspector:

Matt Bruce *Matt Bruce* Transportation Engineer (D)

EA		04-0120F4	
Co-Rte-KP (PM)		SF-080-13.2/13.9 (8.2/8.7)	
Structure Rep.		Rick Morrow	
			
File Name:	Apr-23-2009 W2 Cap 002		
Date:	04-23-09	By Int:	M Bruce
Description: Elongation measurement of 577mm prior to releasing the jack pressure and the wedges (anchor) setting for CBT-24.			
File Name:	Apr-23-2009 W2 Cap 003		
Date:	04-23-09	By Int:	M Bruce
Description: Stressing the first end of CBT-31 on the south end of the cap beam.			

EA	04-0120F4
Co-Rte-KP (PM)	SF-080-13.2/13.9 (8.2/8.7)
Structure Rep.	Rick Morrow



File Name:	Apr-23-2009 W2 Cap 010
Date:	04-23-09
By Int:	M Bruce
Description: A load of 1157.6 kips was measured with strain indicator 59432 approaching P_{jck} . This was compared to the calibrated pressure for gauge CH600-8-110A of 8,500psi and CH600-8-110B pressure of 8,300psi while stressing CBT-33.	

File Name:	Apr-23-2009 W2 Cap 011
Date:	04-23-09
By Int:	M Bruce
Description: SDI Ironworkers maneuvering the ram around the ladder of this scaffold to stress CBT-28 at the south end. Eventually ABF piledrivers had to remove the ladder fixed to the scaffold.	



File Name:	Apr-23-2009 W2 Cap 013
Date:	04-23-09
By Int:	M Bruce
Description: Elongation of 21mm for the first long vertical bar stressed VB-57E.	

File Name:	Apr-23-2009 W2 Cap 017
Date:	04-23-09
By Int:	M Bruce
Description: P_{jck} load of 164.3 kips measured with strain indicator 59432 compared to the calibrated pressure of 4,600psi for gauge B-36A while stressing VB-54E.	