

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 863
Project Work Day No.: 1073

Date	04/24/2009			
Inspectors	Start	06:30	Stop	14:00
Hours				
Shift Hours		06:30		16:30

dkm

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. #	N O . M E N	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
CH-600-8-110	1	600 Ton Ram	8											SDI
CH-820-8-03	1	820 Ton Ram									8			SDI
B-117	1	110 Ton Ram	8											SDI
B-36	1	110 Ton Ram	8											SDI
HPU-E-10K-21	1	Hydraulic Pump	8											SDI
CH150-5-4	1	150 Ton Ram									8			SDI
	1	150 Ton Ram									8			SDI

Weather: Overcast with cool to mild temperatures and high winds up to 30mph – Hi 62°F Low 45°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Continued bushing the concrete surfaces of the W2W continuity tendon blockouts.
- 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.
- Continued to vacuum and blow out water in the ducts of the long vertical PT bars at W2E.
- Began to insert bolts and brackets into the west face concrete for horizontal support of the soffit stairs.
- Moved scaffolds to enable SDI ironworkers positioning the ram for stressing transverse tendons.

SDI

- Cut the strand tails and installed grout caps over the anchor heads on both ends of the cap beam for transverse tendons CBT-11 to 22.

- Stressed transverse tendon CBT-34 from the second end on the north side of the cap beam. Completed stressing the first stage transverse tendons number 22(CBT-35) to number 26 (CBT-25) in the sequence. The first end for the remaining tendons was stressed on the north end and the second end was on the south. The ironworkers stressed CBT-36 prior to CBT-27 which is out of sequence. Since the majority of the tendons were already stressed, it was determined that going out of order at this point wouldn't eccentrically load the cap beam.
- Stressed the remaining long vertical bars at W2E and 1 to 49 in the sequence at W2W. The B-36 and B-117 rams and corresponding pressure gauges labeled "A" were used depending on the bar length. See Lalit and Gil's diary for stressing the bars at W2W. VB-3E or number 85 in the sequence couldn't be stressed due to the fact that there was unsound concrete underneath the bearing plate. ABF piledrivers chipped down to sound concrete and then applied a rapid setting concrete under the plate.

Notes:

- 1) 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.
- 2) Assumed anchor set for the strand/wedges is 9mm.
- 3) A strain indicator (serial number 59432) was used to monitor the 100% P_{jack} (1183 kips) load on CBT-35, 26, and 25 on the first end (north). Also 100% P_{jack} (165 kips) load was verified on VB-108E and VB-18E.
- 4) I watched the entire transverse tendon stressing and the bar stressing at W2E. I monitored the elongation measurements, anchor set, and the load/pressure being applied by the jack. To my knowledge no strand/wire failed or slipped.
- 5) ABF QC Manager Chuck Kanapicki was onsite intermittently during the day to observe stressing operations.

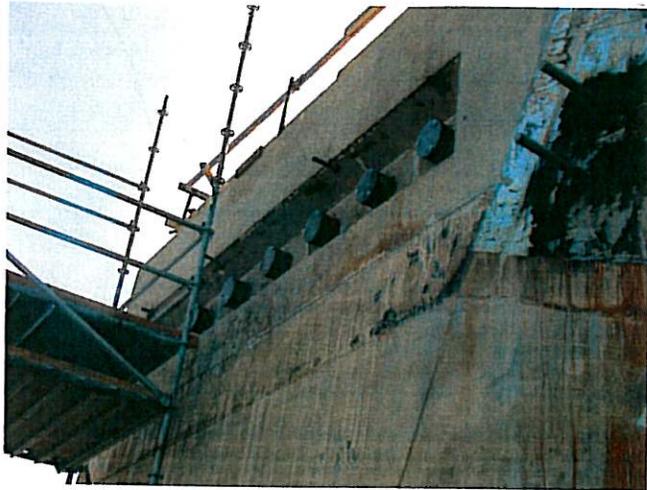
Office work:

- Continued to review elongations for transverse tendons stressed today and began to compile a summary spreadsheet of the data.
- Began to review the elongations for the long vertical bars.
- Began to write today's diary.
- Called TY-Lin designer James Duxbury prior to the days stressing operations and he informed me that it was acceptable to cut the tails of all of the (20 total in the sequence) transverse tendons stressed to this point.

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

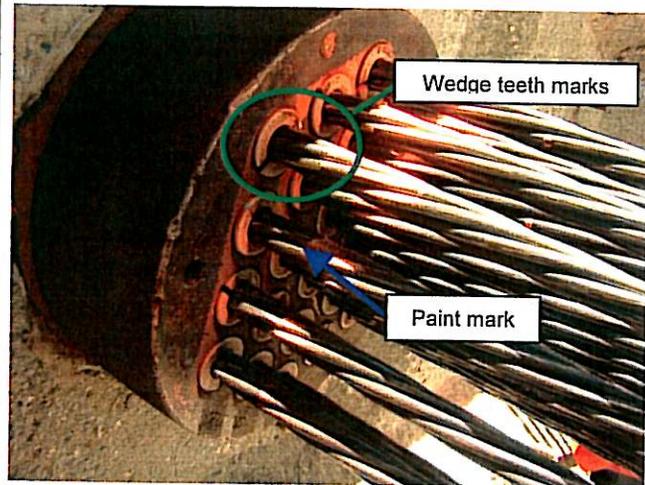
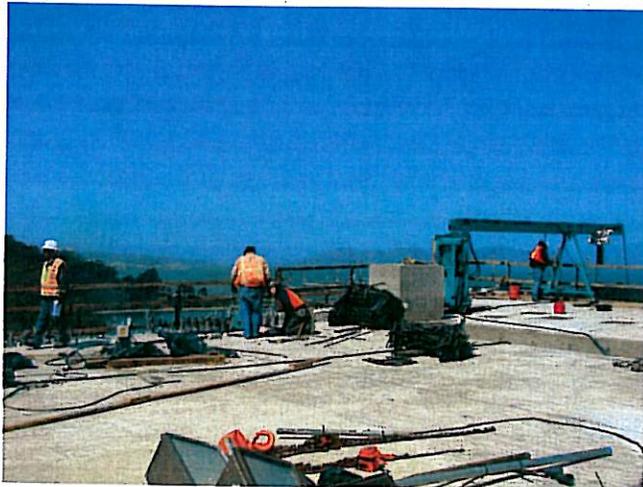


File Name:	Apr-24-2009 W2 Cap 002
Date:	04-24-09
By Int:	M Bruce

Description: Grout caps placed today on CBT-16 to 22 on the north end of the cap beam.

File Name:	Apr-24-2009 W2 Cap 003
Date:	04-24-09
By Int:	M Bruce

Description: ABF piledrivers attempting to extract water from the ducts of the long vertical bars. The air pressure was held for 5 minutes for each bar as there was minimal water coming out of the duct into the vacuum.



File Name:	Apr-24-2009 W2 Cap 005
Date:	04-24-09
By Int:	M Bruce

Description: SDI ironworkers stressing the long vertical bars at W2W.

File Name:	Apr-24-2009 W2 Cap 007
Date:	04-24-09
By Int:	M Bruce

Description: Close up view of the anchorhead and wedges of CBT-34 on the second end (south). The elongation for the second end of CBT-34 was 42mm. The wedges are 44mm long and the re-grip portion after this pull on the strand clears the previous wedge teeth marks.