

Job Stamp

04-0120F4  
SFOBB SAS

Const. Calendar: 855

Project Work Day No.: 1065

Date: 04/16/2009

Inspectors	Start	07:30	Stop	14:00
Hours				
Shift Hours		07:00		16:30

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI and CMC-RS

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

**Weather:** Sunny with cool temperature with moderate winds from the west – Hi 67°F Low 46°F (per weather.com forecast)

**Description of Operations @ W2 Cap Beam:**

**ABF**

- Began bushing the barrier construction joint surface.
- Chipped honeycombed concrete near the CBT-9 to 15 bearing plates on the south end to patch with concrete, see photos below.
- 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 removed the exterior support frame for the 25mm W2E North Hinge K assembly template.
- Began to install ledger beam track to be used for the "A-Frame" on the north end of the cap beam.
- Surveyors assisted CMC-RS ironworkers with cover/clearance layout for the rebar at the W2E construction joint with the OBG.

**SDI**

- Pushed 0.6" 270ksi low relaxation strand in the following transverse tendon ducts:

CBT	Strand Pack/Coil # (# Strands)	CBT	Strand Pack/Coil # (# Strands)
30	74100-4 (6)	28	71460-2 (9) and 74100-1 (18)
23	74100-4 (27)	27	74100-1 (18) and 71454-2 (9)
29	74100-4 (1) and 71460-2 (26)	26	71454-2 (27)

Note: I witnessed this entire operation to track strand placement and address any issues, see comments in the photos below. Hoses on the hydraulic pump failed in the morning and had to be replaced.

CMC-RS

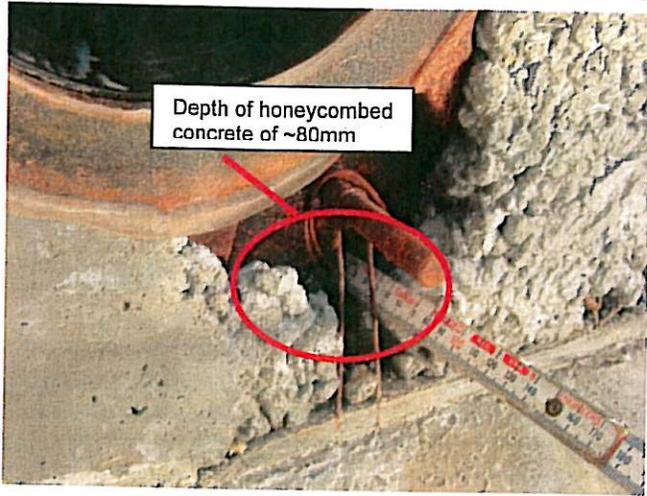
- Continued to place #19 horizontal and vertical reinforcement at the W2E construction joint with the OBG, see Lalit's diary for additional details and labor.

**Office work:**

- Wrote yesterdays diary.
- Continued to review stressing protocols for W2 transverse tendons CBT-11 to CBT-36. Sent Mike Schwager a sample double ended stressing protocol used on the Skyway via email. Gave Jim Davidison a sample hard copy of the same double ended stressing protocol used on the Skyway sent to Mike.
- Began to organize orange tags and pertinent paperwork related to the strand packs.

**Inspector:**

Matt Bruce *Matt Bruce* Transportation Engineer (D)



File Name: Apr-16-2009 W2 Cap 003

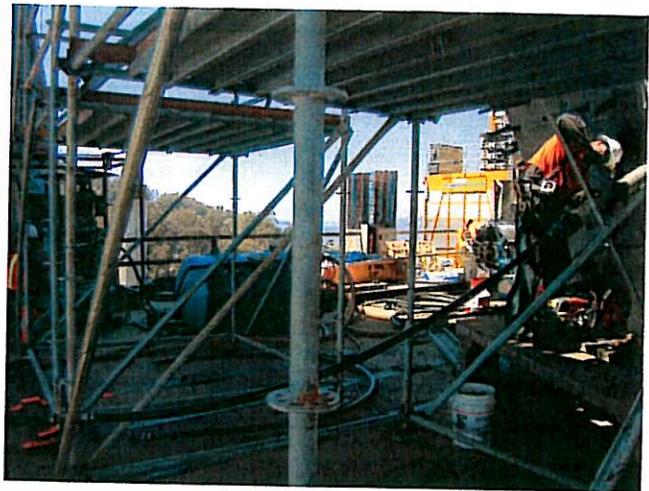
Date: 04-16-09 By Int: M Bruce

Description: Unsound concrete found near the bearing plates of transverse tendons CBT-9 to 22. This photo was taken on the southwest end of the cap beam where the most of the bearing plates looked similar.

File Name: Apr-16-2009 W2 Cap 004

Date: 04-16-09 By Int: M Bruce

Description: Overall view of the concrete around the bearing plates of CBT-9 to 15. Representatives of SDI informed ABF that they wouldn't stress until the unsound concrete was removed and patched.



File Name: Apr-16-2009 W2 Cap 005

Date: 04-16-09 By Int: M Bruce

Description: Rebar at the W2E construction joint with the OBG. Currently there are some horizontal bars that are conflicting with continuity tendon paths.

File Name: Apr-16-2009 W2 Cap 007

Date: 04-16-09 By Int: M Bruce

Description: SDI ironworkers pushing strand from the south end of the cap beam.