

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 853  
Project Work Day No.: 1063

Date	04/14/2009			
Inspectors	Start	07:30	Stop	10:10
Hours		11:10		12:30
Shift Hours		07:00		17:00

*dkm*

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI and CMC-RS

HOURS - ITEM NO.											REMARKS	
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)	#34 Prestressing Cast-In-Place Concrete (Pier W2)							IDLE OR DOWN		
EQUIPMENT AND/OR LABOR:												
1	1	Field Superintendent	8								Ralph Craig	SDI
2	1	Ironworker Foreman								8	Erin Jones	SDI
3	1	Ironworker Journeyman	8								Darrin Kurz	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-820-B-03	1	820 Ton Ram								8		SDI

**Weather:** Sunny with cool temperature with high winds from the west up to 20mph – Hi 60°F Low 42°F (per weather.com forecast)

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

ABF

- Continued bushing the concrete surface near the bottom end of the east W2W construction joint. Also began to bush the horizontal concrete surface at the W2W vertical PT blackout.
- Continued to reconfigure scaffold that will facilitate SDI post-tensioning transverse tendons CBT-11 to CBT-22 on the north and south ends of the falsework soffit.
- 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 stripping the sloped forms (pour 1 base slab) on the east end of the cap beam.
- Surveyors assisted CMC-RS ironworkers with layout/clearance of closure pour rebar at W2E with the OBG.
- Continued cleaning the ducts of transverse tendons CBT-11 to 15 by using pressurized air applied from the north end (higher in elevation). Water came out of each duct except CBT-12 at the south end under a pressure ~100psi. The worst case amount of water was in CBT-11 and 13 where an estimated 20 to 30 gallons was released for 10-30 seconds. The air pressure on these two ducts was held for 40 minutes after the intial water came out. Similarly the air pressure for CBT-14 and 15 were held for 20 minutes after the intial water came out. In some cases water trickled out after the intial rush of water. Before the air pressure was released the air was felt to ensure that it was dry.
- Continued to clean the bearing plates for the long vertical bars at W2E and chipped the concrete underneath the plates attempting to create a level surface for stressing the bar.
- Began to pry 25mm template off of the Macalloy rods at the W2W South Hinge K assembly.

## SDI

- Checked the diameter of the post-tensioning ducts by "running a rabbit" for the following transverse tendons:

CBT	Comments	CBT	Comments
10	Ran the rabbit through, no water	13	Ran the rabbit through, no water
11	Ran the rabbit through, no water	14	Ran the rabbit through, minimal water
12	Ran the rabbit through, no water	15	Ran the rabbit through, minimal water

Note: The blowdart and rabbit (plastic mandrell) was run from the south end to the north end each time. The worst case amount of water from the blowdart and pressurized air was approximately 3-5 gallons for 10-15 seconds.

- Unloaded following strand packs:

Coil#'s placed on or near Hinge K base slab	
71454-2	71456-1
74100-4	71462-2
74097-5	71460-2
74100-1	

- Placed the Hydraulic Pumping Unit for pushing strand on the falsework soffit in the southeast corner.
- Attended ABF safety orientation in the morning.

## CMC-RS

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

### Office work:

- Wrote yesterdays diary.
- Began to review stressing protocols for W2 transverse tendons CBT-11 to CBT-36.

### Inspector:

Matt Bruce *Matt Bruce* Transportation Engineer (D)