

Job Stamp

04-0120F4  
SFOBB SAS

Const. Calendar: 987

Project Work Day No.: 1197

Date 08/26/2009

Inspectors	Start	07:00	Stop	12:10
Hours		12:40		15:10
Shift Hours		07:00		15:30

*AKM*

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI and CMC-RS

EQUIPMENT AND/OR LABOR:		HOURS - ITEM NO.										REMARKS				
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)	#34 Prestressing Cast-In-Place Concrete (Pier W2)	#37 Cable Tie -Down	#48 Bar Reinforcing Steel (Bridge)									IDLE OR DOWN	Name	Contractor
1	1	Ironworker Superintendent	2.5	2.5										3	Ralph Craig	SDI
2	1	Ironworker Journeyman	2.5	2.5										3	James Carriker	SDI
3	1	Ironworker Apprentice	2.5	2.5										3	Bounthaby Singharath	SDI
4	1	Ironworker Foreman			8										Gabriel Garcia	CMC-RS
5	1	Ironworker Journeyman			8										Ernesto Rodriguez	CMC-RS
6	1	Ironworker Journeyman			8										Andrew Dennison	CMC-RS
CH600-B-105	1	Hydraulic Ram (Strand)												8		SDI
HPU-D-110-3K-02	1	Hydraulic Pushing Unit												8		SDI
SDI-HPU-D-110-3K	1	Hydraulic Pushing Unit												8		SDI
HPU-E-20-10K-03	1	A Frame												8		SDI
	1	A Frame (600 Ton)												8		SDI
SPH.60.3K.06	1	Strand Pushing Guide												8		SDI
SPH-60-3K-04	1	Strand Pushing Guide												8		SDI
	1	Strand Pack Spool Jig												8		SDI
	1	Winch w/combustible motor												8		SDI
	2	Winch w/out motor												8		SDI
	1	Connex Box												8		SDI

**Weather:** Overcast in the morning to sunny in the afternoon, with mild temperatures all day – Hi 78°F Low 56°F (per weather.com forecast)

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

- ABF
- Continued to grind/sand the bottom surface of the W2 cap beam.
  - Completed removing the formwork in the southwest W2 cap beam void area and began on the southeast quadrant, see David Bradd and Lalit's diaries for details as this is force account work.
  - Began to weld stiffner plates to the south support stringer W36x300 beam with triangular supports.
  - Continued to form the vertical face of the vertical bars and PT blockout near W2E.
  - Redrilling holes at the W2W construction joints to a minimum depth of 230mm per RFI 1798R02.
  - Assisted SDI and built access scaffold near the bottom of the W2E top pier slab.

REC'D H31 OCT-13 #011120

SDI

- Continued to stage/mobilize equipment for the upcoming installation/stressing of the vertical PT tendons and the cable tie-downs on top of the cap beam.
- Installed roller frame to the falsework soffit near the W2E cable tie-downs. This frame will facilitate erection of the HDPE pipe sheathing for the cable tie down strands.
- Cut the duct protruding above the bearing plate for the vertical PT tendons at W2E and W2W, see photos.

CMC-RS

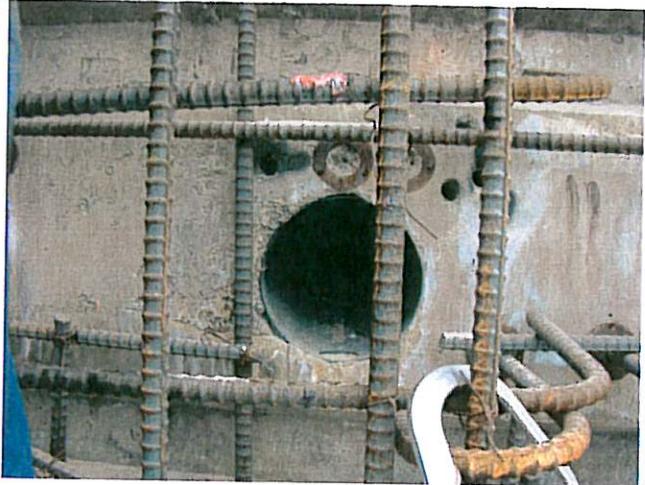
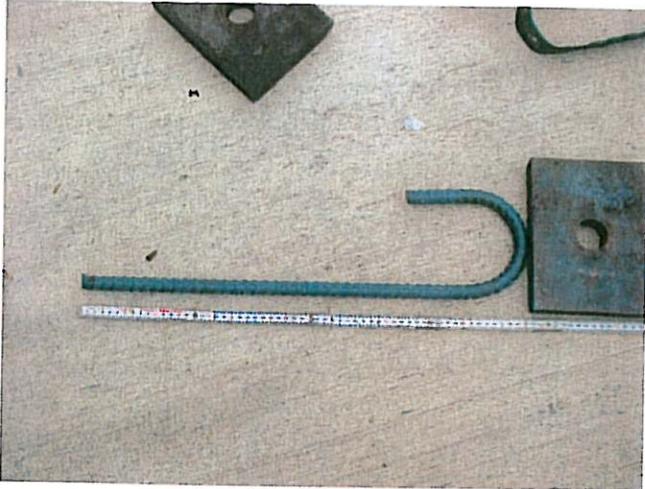
- Epoxied dowels into the holes drilled by ABF at the W2E construction joint and 3 dowels at the W2W construction joint. A complete As-Built has yet to be done as I wanted to observe mixing/placing the epoxy and placement of the dowels. Also I was unable to keep a running count due to the fact I was watching the SDI ironworkers in conjunction to the RS ironworkers. Ernesto operated the gun and Andrew cleaned the holes. The crew began work at 10:00am due to not having the proper brushes specified by Hilti.

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:		Aug-26-2009 W2 Cap 004	
Date:	08-26-09	By Int:	M Bruce
Description: A few holes were measured prior to epoxy and dowel installation to the proper depth. This length seen in the photo is 260mm.			
File Name:		Aug-26-2009 W2 Cap 005	
Date:	08-26-09	By Int:	M Bruce
Description: Roller frame installed to the falsework soffit near W2E.			

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



File Name:	Aug-26-2009 W2 Cap 010
Date:	08-26-09
By Int:	M Bruce

Description: The measured length of the dowels sent to the jobsite today was 585mm. Some bars had to be cut since the theoretical distance from the end of the drilled hole to the end of #19 vertical bar is 570mm. The ironworkers did have the Hilti Hit-RE 500-SD anchorage system tools and materials. The expiration date found on the epoxy cartridge was March 2010.

File Name:	Aug-26-2009 W2 Cap 012
Date:	08-26-09
By Int:	M Bruce

Description: reinforcement in conflict with the continuity tendon path at W2E. Nigel, Terry, Ralph, and the CMC-RS ironworkers have been made aware of this issue. In addition there was a water bottle found in a duct.



File Name:	Aug-26-2009 W2 Cap 015
Date:	08-26-09
By Int:	M Bruce

Description: Cut ducts at W2E for the vertical PT tendons. The duct was cut with a sawzaw then cut down the sides and then splayed. This was done since it was too hard to cut the duct at the beginning of the trumpet. Initially the SDI ironworkers tried to use a torch to cut the duct. I stopped them since this is a safety/quality issue by melting the trumpet and heating the bearing plate.

File Name:	Aug-26-2009 W2 Cap 019
Date:	08-26-09
By Int:	M Bruce

Description: CMC-RS ironworkers followed the procedure specified by Hilti for this operation. However as the ironworkers slowly twisted the bar in place epoxy air bubbles would be created. I was unsure whether or not voids were created between the annular gap and the rebar. I expressed my concern to Gil and had him watch one bar be installed and he didn't have a problem with this issue. Ernesto tried to install the bar as slow as possible trying not force out any epoxy air bubbles. Also epoxy was smeared around the annular edge to seal any void at the face of concrete.