

Job Stamp

04-0120F4

SFOBB SAS

Const. Calendar: 17

Project Work Day No.: 1227

Date: 09/25/2009

Inspectors	Start	07:30	Stop	08:50
Hours		10:40		14:00
Shift Hours		07:00		15:30

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR – ABFJV, Subs SDI and CMC-RS

HOURS - ITEM NO.

EQUIPMENT AND/OR LABOR:

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	REMARKS	
													Name	Contractor
1	1	Ironworker Superintendent		8									Ralph Craig	SDI
2	1	Ironworker Foreman		8									Erin Jones	SDI
3	1	Ironworker Journeyman		8									Randy Hill Jr.	SDI
4	1	Ironworker Apprentice		8									Bounthaby Singharath	SDI
5	1	Ironworker Apprentice	1	7									Will Hobbs	SDI
6	1	Ironworker Foreman			8								Bob Bogneas	CMC-RS
7	1	Ironworker Journeyman			8								David Garcia	CMC-RS
	1	Whisperwatt Power Generator										8		SDI
	1	Colloidal grout mixer & pump										8		SDI
412-10-7088	1	Forklift		8										SDI, Hertz
CH600-8-105	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												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, shipped offsite today
SPH-60-3K-04	1	Strand Pushing Guide		8										SDI
	1	Strand Pack Spool Jig		8										SDI
	1	Winch w/combustible motor										8		SDI
	1	Winch w/out motor										8		SDI
	1	Winch w/out motor										8		SDI
	1	Connex Box										8		SDI

RECT H31 OCT-16 #011257

Weather: Overcast in the morning, sunny in the afternoon with mild temperatures – Hi 85°F Low 59°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

- ABF
- Rebrushed the concrete surfaces of the W2W and W2E vertical PT blockout.
 - Began to form the north end blockout for CBT-16 to 22 transverse tendons.

- Removed the plywood forms and grout tubes used at the dead ends of the vertical PT tendons at W2E and W2W. Also sanded the dead end grout surfaces at the bottom of the cap beam. I informed ABF foreman Nigel Lohse that the dead end drain tubes for VT-4E and VT-7W didn't have any grout in them. I told him to inject epoxy into these voids to protect the anchorhead/wedges for these tendons from corrosion.

SDI

- Removed the grout caps and cut the grout tubes at the top of the W2W and W2E vertical PT tendons.
- Pushed a total of 8 sheathed strands from strand pack #73792-2 in the far southeast W2E cable tie down tendon in the pattern. The orange tag was collected for the strand pack in addition to the steel tag.
- Continued to install split shim plates for four tendons in the south W2E caisson. A total of 13 sets of split shim plates have been installed with the exception of the far northwest tendon in the pattern.

CMC-RS

- Placed the rebar for the W2W vertical PT blockout as specified on plan sheet 509R2, see photo below for comments and details.
- Placed rebar for the CBT-16 to 22 blockout per plan sheet 503R1 on the south end and fixed the rebar on the north end of the W2 cap beam. The ironworkers had to place an additional #16 horizontal bar (4 out of 5 were placed) and bend up 4 out of 5 vertical dowels. The one dowel that wasn't bent up was embedded into the concrete, drill and bond wasn't done.

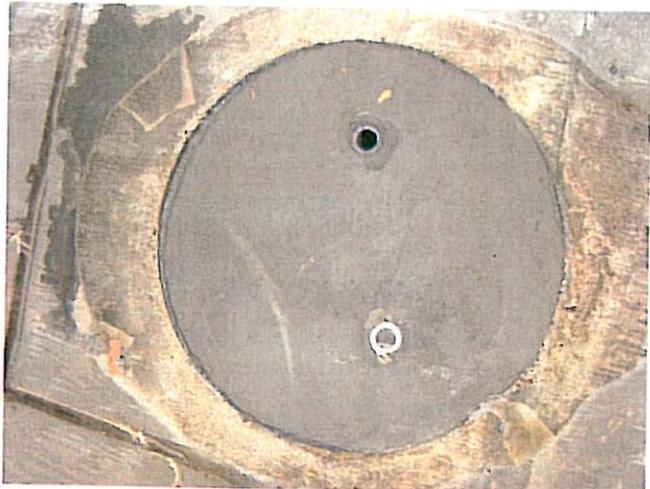
Office and miscellaneous work:

- Began to write today's diary.
- Retrieved the brass molds used to fabricate the grout cubes for vertical PT tendons VT-13W and VT-1E. The six grout cubes were placed in plastic concrete cylinder mold ($\phi = 6"$, height = 12") with tap water stored near my desk. The temperature of the water before I left the office was 24°C. Smith Emery has yet to move their samples (2 sets taken for the same tendons as us) to the laboratory. It should be noted that Smith Emery's and our brass molds were moved from the initial location of fabrication and curing.
- Reviewed test methods regarding the compressive strength for the grout cubes.
- Filled out confined space paperwork.

Inspector:

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: Sept-25-2009 W2 Cap 005
 Date: 09-25-09 By Int: M Bruce
 Description: The forms for the dead end sleeve of the vertical PT tendons were removed today. It was discovered that two tendons (VT-4E and VT-7W) didn't have grout in the drain tube. In this photo the dead end for VT-7W is shown with the drain grout tube seen at the top. I informed ABF foreman Nigel Lohse to inject epoxy into the void.

File Name: Sept-25-2009 W2 Cap 006
 Date: 09-25-09 By Int: M Bruce
 Description: Rebar placement of the #16 bars for the CBT-16 to 22 blackout on the south end of the cap beam. ABF foreman Nigel Lohse was informed to remove the black foam residue off of the concrete. This black foam was used for the dowels.



File Name: Sept-25-2009 W2 Cap 009
 Date: 09-25-09 By Int: M Bruce
 Description: Strand placement continued for the southeast tendon of the W2E cable tie downs. The SDI ironworkers are having a difficult time pushing the strand thus far. This is due to adjusting their equipment (strand pusher and spool jig) and the physical constraints of installing the strand. Since the tendon is vertical and over 160ft the strand is getting bound in many areas of the tendon.

File Name: Sept-25-2009 W2 Cap 013
 Date: 09-25-09 By Int: M Bruce
 Description: Rebar placement for the W2W vertical PT blackout done today.

CONFINED SPACE ENTRY CHECKLIST

PM-S-0040B (REV. 5/1998)

NOTE: THE ENTRY SUPERVISOR INITIALS ITEMS 1-3 AND 5-7. ENTER SPACE ONLY AFTER THE PROCEDURES LISTED BELOW HAVE BEEN COMPLETED.

- 1. Review *Code of Safe Practices* for entry and work in confined spaces. INITIAL
AKM
- 2. Review emergency/rescue procedures. Ensure emergency rescue equipment/personnel are available for removing disabled worker from space. AKM
- 3. Assure that confined space has adequate ventilation. AKM

4. Atmospheric testing	ENTRANCE		INSIDE	
	METER READING	INITIAL	METER READING	INITIAL
% Oxygen	20.9	MB	20.9	MB
Combustibles (%Lower Explosive Limit - LEL)	0	MB	0	MB
Carbon Monoxide	0	MB	0	MB
Hydrogen Sulfide	0	MB	0	MB

NOTE: If the atmosphere tests hazardous - **STOP - DO NOT ENTER**; contact entry supervisor. Hazardous is defined as oxygen level below 19.5%, or a combustible gas content greater than 1% LEL, or carbon monoxide greater than 25 ppm, or hydrogen sulfide greater than 10 ppm.

- 5. Suitable lighting provided in work area. INITIAL
AKM
- 6. Effective means of providing continuous communication between standby person and worker(s) in confined space. AKM
- 7. Assure that atmosphere will be tested during work within confined space. AKM
NOTE: If atmosphere becomes hazardous, all workers shall **STOP WORK** and **LEAVE CONFINED SPACE IMMEDIATELY - DO NOT RE-ENTER**; contact entry supervisor.

I have determined to my satisfaction that the above procedures have been completed and it is safe to enter and work in this confined space.

ENTRY SUPERVISOR'S SIGNATURE AKM

LOOKOUT PERSON/ATTENDANT'S SIGNATURE AKM

INITIALS OF OTHER WORKERS/ENTRANTS ENTERING CONFINED SPACE

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CONFINED SPACE ENTRY CHECKLIST

PM-S-0040A (REV. 5/1998)

FORM AUTHORIZED FOR ONE SHIFT ONLY
NEW FORM MUST BE COMPLETED FOR EACH SUBSEQUENT SHIFT

This form must be readily available at the confined space during the time work is in progress. After work is completed, give to your supervisor for retention.

DESCRIBE WORK TO BE DONE Inspection at the W2 footing casing

DATE AUTHORIZED 9/24/09 TIME AUTHORIZED FROM 7am TO 3pm

LOCATION OF CONFINED SPACE W2 Bent Bottom of footing within ret. walls

LOCATION OF WORK WITHIN CONFINED SPACE (DRAW SKETCH BELOW, ESTIMATE AND SHOW DISTANCE AND DIRECTION FROM WORK ACCESS)



PRE-WORK APPROVAL	CREW SUPERVISOR'S SIGNATURE <u>Gill Keenan</u>	DATE (Must be signed on date of issue) <u>09/24/09</u>
CONFINED SPACE ENTRY APPROVAL	ENTRY SUPERVISOR'S SIGNATURE	DATE (Must be signed on date of issue)

EMPLOYEES AUTHORIZED TO ENTER CONFINED SPACE

ENTRY SUPERVISOR	<u>Lalit Mathur</u>	
LOOKOUT PERSON/ATTENDANT	<u>Lalit Mathur</u>	
ENTRANTS	<u>Matt Buel</u>	

CHECKLIST ON OTHER SIDE MUST BE COMPLETED BEFORE ENTRY

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