

Job Stamp

04-0120F4
SFOBB SAS

Const. Calendar: 800 and 801

Project Work Day No.: 1010 and 1011

Date 02/20/2009 and 02/21/2009

Inspectors Hours	Start	09:30	Stop	12:00
		21:40		24:00
Shift Hours		00:00		06:00
		07:00		15:30
		21:00		24:00
		00:00		06:00

ASSISTANT RESIDENT ENGINEER'S

CONTRACTOR - ABFJV, Subs CMC-RS, and Conco

HOURS - ITEM NO.

EQUIPMENT AND/OR LABOR:			#38 Str. Concrete, Bridge W2	#38 Str. Concrete, Bridge E2								IDLE OR DOWN	REMARKS	
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)											Name	Contractor
1	1	General Foreman	4	8									Terry Cronk	ABF
2	1	W2 Pile Driver Foreman	12										Nigel Lohse	ABF
3	1	E2 Pile Driver Foreman		8									Leo Vega	ABF
4	1	Pile Driver	12										Tony Creighton	ABF
5	1	Pile Driver	12										George McNeil	ABF
6	1	Laborer	12										Jose Molina	ABF
7	1	Laborer	12										Rigiberto Campos	ABF
8	1	Pile Driver J/M	12										Audre Hudson	ABF
9	1	Pile Driver/Welder	12										Henry Wheat	ABF
10	1	Elevator Operator	12										Howard Schroyer	ABF
11	1	Pile Driver	12										Aaron Gilpatrick	ABF
12	1	Pile Driver	12										Andrew Adams	ABF
13	1	Pile Driver	12										Kurt Chaisson	ABF
14	1	Pile Driver	12										Jesse Johnasen	ABF
15	1	Crane Operator	12										Dale Thomas	ABF
16	1	Operator Apprentice/Oiler	12										Scott Ross	ABF
17	1	Pile Driver	12										Abasi Delley	ABF
18	1	Pile Driver	12										Kenneth Reynolds	ABF
19	1	Laborer	12										Joseph Ruiz	ABF
20	1	Operator Apprentice/Oiler		8									Kevin Alger	ABF
21	1	Operator Apprentice/Oiler		8									Douglas Greene	ABF
22	1	Pile Driver		8									Joseph Showman	ABF
23	1	Pile Driver		8									Allan Briney	ABF
24	1	Pile Driver		8									Karl Mendoza	ABF
25	1	Pile Driver		8									Luke Paulk	ABF
26	1	Pile Driver		8									Harry Wheat	ABF
27	1	Pile Driver		8									Jamal Whitney	ABF
28	1	Pile Driver		8									Richard Yambao	ABF
29	1	Laborer		8									Byron Contreras	ABF
30	1	Crane Operator		8									Jeff Scott	ABF

HOURS - ITEM NO.

EQUIPMENT AND/OR LABOR:			#38 Str. Concrete, Bridge W2	#38 Str. Concrete, Bridge E2									IDLE OR DOWN	REMARKS	
Equip. #	N O - M E N	DESCRIPTION (Of Equipment or Labor)												Name	Contractor
LR1300	1	Crane	4											Liebherr	ABF
	1	Elevator	24												ABF
5573-140	1	Forklift 544D-10												Hertz Rental	ABF
481-93-6013	1	Manlift S-125												Hertz Rental	ABF
768-50-4005	1	Welding Machine	12											Lincoln	ABF
	1	Main Power Generator	24											MQ 220	ABF central
549-20-4044	1	Mobile Power Generator												MQ Whisper Watt 7000	ABF
549-20-4007	1	Mobile Power Generator												MQ Whisper Watt 7000	ABF
	1	Air Compressor												Ingersoll Rand	ABF
185R	1	Air Compressor												Ingersoll Rand	ABF deck
	3	Flood Lights (541-4000N)	12											Genie	ABF
536-40-4843	1	Flood Lights (541-4000N)	12											Genie	ABF
536-40-4839	1	Flood Lights (541-4000N)	12											Genie	ABF
003-7149	1	Portable Gas Tank													ABF
	1	Chiller	24											Aggreko	ABF
	1	Water Tank	24											Baker	ABF
	1	Water Pump	24											Aggreko	ABF
	3	Concrete Washouts	8												ABF
	2	Pickup	12	12										Ford	ABF
	1	Derrick Barge Crane		8										Manitowoc	ABF
	2	Manlift										8		Hertz Rental	ABF
	1	Barge										8			ABF
	1	Compressor		8										Ingersoll Rand	ABF
	1	Generator on SE soffit		8										MQ Power	ABF
	1	Generator on Skyway										8		MQ Power	ABF
	1	Water Tank										8			ABF

Weather: Sunny with mild temperature during the day on Friday and clear with cool temperatures late Friday and early Saturday morning – Hi 64°F Low 42°F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Foreman Nigel Lohse directed Conco during the concrete placement regarding the sequence of placing concrete, vibrating, curing operations, etc.
- Placed PVC pipe stubs for handrail to be installed around the perimeter of the W2 cap beam.
- Wet the formwork prior to concrete placement.
- ABF surveyors shot miscellaneous points on the falsework and forms to monitor deflection and settlement.
- Continued cleanup on the pour 5 construction joint from the debris of pour 6 north work.
- Continued to remove the strongbacks (steel channels), bolts, and steel plates located on the south end of the cap beam. Began to take down the east walkway near the OBG interface with the W2 cap beam.

CMC-RS

- Two ironworkers were available during the concrete placement of pour 6 north. See Pamela's diary for the names of the ironworkers onsite. The ironworkers addressed a few items on her puchlist during the 1st hour or so of the pour. I noticed some #19 formsavers at the east bulkhead that were coming loose during the pour and the ironworkers fixed them. However there might have been some other loose couplers during the pour as ABF and RS was made aware of this issue.

CONCO

- Placed approximately 790m³ of conventional concrete (Mix design number 1412993, old number was 160061) in the pour 6 north area, essentially completing the top of concrete of the cap along the westbound side of the bridge.

Comments:

1. Pamela Gagnier and myself were watching the concrete placement at the forms. My diary is for the concrete placement that I observed. Both of us watched different sections since there was three pumps operating for most of the concrete placement. Art, Gil, and Ric Magentti also watched concrete placement.
2. Overall the placement of concrete went well as the flow looked consistent with no segregation. ABF and Conco foreman were consistently told to vibrate underneath the seismic joint blockout forms, cable tie down forms and barrier blockout forms. Revibration was done approximately 30-40 minutes after the concrete was "topped off" starting from the south end of pour 6 north.
3. ABF and Conco were told several times to be cautious of the ducts/trumpets & water cooling pipes while placing concrete and vibrating.
4. Concrete temperature at the forms was not a concern due to the ambient air temperature and the concrete temperatures taken during testing which was around 65°F.
5. ABF foreman Nigel Lohse and engineer Branden Bedwell were notified at 02:30am that 12 out of the 14 grout tubes for transverse tendons CBT-23 to CBT-36 were found at the cable tie down blockout forms. There was approximately 0.500m of concrete placed underneath the cable tie down blockout when they were informed of this issue. Nothing was done to look for the missing grout tubes.

Description of Operations @ E2 Cap Beam:

ABF

- Continued to construct formwork for the pourbacks at the north/south ends of the cap beam.

CONCO

- Continued to work on the concrete surface of the E2 cap beam.

Surveying:

- Shot the elevations for the top of concrete for pour 6 north and ducts for continuity tendons W-2A to W-28A, and W-32A to W-41A with the assistance of Ron Matin. Most of the points (30 out of 35) for the top of concrete were within ± 10 mm of the theoretical values, the worst case deviation from the theoretical was -24mm. Similarly for the ducts of the continuity tendons the worst case deviation from the theoretical was -29mm with most deviations under 15mm.

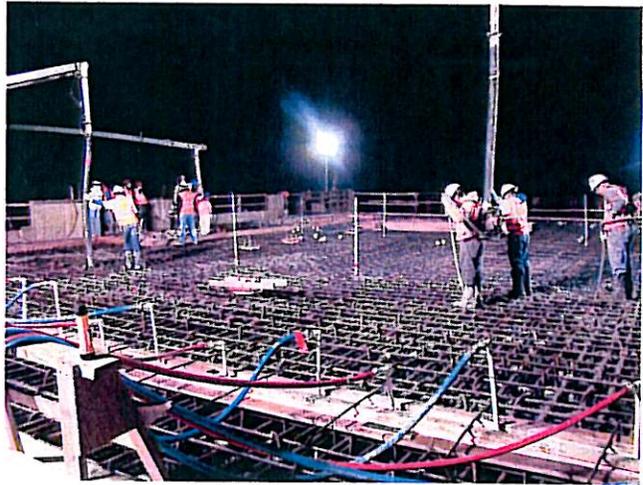
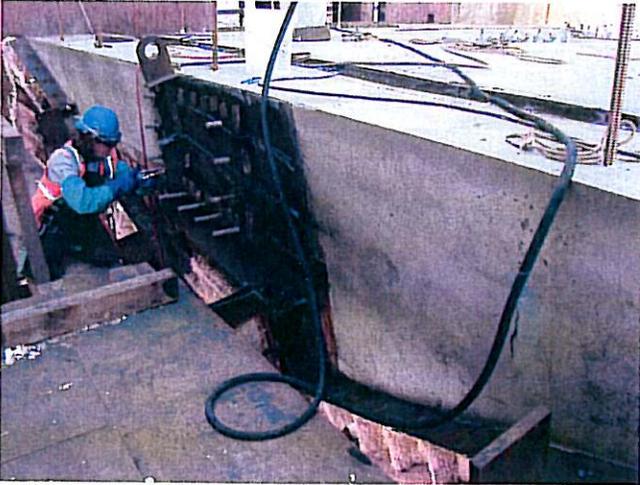
Office work:

- Analyzed surveying data from the field today.

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:	Feb-20 and 21-2009 W2 Cap 002		
Date:	02-20-09	By Int:	M Bruce
Description: Pile driver removing steel forms near the bikepath attachment on the southwest end of the W2 cap beam.			

File Name:	Feb-20 and 21-2009 W2 Cap 006		
Date:	02-21-09	By Int:	M Bruce
Description: Conco placing concrete with three pumps in the pour 6 north area.			



File Name:	Feb-20 and 21-2009 W2 Cap 007		
Date:	02-21-09	By Int:	M Bruce
Description: Ironworkers securing the #19 formsavers at the east bulkhead.			

File Name:	Feb-20 and 21-2009 W2 Cap 010		
Date:	02-21-09	By Int:	M Bruce
Description: Top of concrete for pour 6 north as the water cooling system was not turned on at this point.			