

Job Stamp 04-0120F4 SFOBB SAS
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Const. Calendar:	538			
Project Work Day No.:	748			
Date	06/03/2008			
Inspectors	Start	08:30	Stop	12:00
Hours		12:30		15:40
Shift Hours		07:00		16:00

**ASSISTANT RESIDENT ENGINEER'S CONTRACTOR – ABFJV, Sub RPS**

**Weather:** Partly overcast in the morning with cool temperature to sunny in the afternoon with mild temperature and winds up to 30mph - Hi 70F Lo 52F (per weather.com forecast)

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

**ABF**

- Continued to build and mobilize pour number 3 formwork (posts + cap beam frames).
- Installed trumpets in the bearing plates for continuity tendons W-15B to W-18B and W-23B to W-29B and on the bulkhead (east side) for E-1B to E-14B.
- Continued to clean Sandblasting debris for pour 2 construction joint.
- Resumed construction of formwork in the southeast quadrant of the void area.
- Erected South Hinge K assembly (three of four assemblies) near W2W see comments below for details:

Time	Operation	Comments
08:30	Began to remove formwork used to support the Macalloy rods in the vertical direction only. Also tightening nuts on the 60mm anchor plate.	As I was checking the nuts on the back plate to see if the proper torque was achieved, ABF foreman Nigel Lohse informed me I couldn't use the specialized wrench to check the nuts. He said that ABF superintendent Steve Marko said Caltrans has to get own tools. I mentioned to Nigel that the nuts need to be tightened prior to concrete placement.
09:20	Continued to remove temporary support forms and grease Macalloy rods with Denso paste.	Survey marks on the template and anchor plate were off by a few millimeters. The Macalloy rod length on average was 1.125m. This length is greater than the minimum length of 1.11m from the face of concrete to the end of the Macalloy rod.
10:00	Rigging the spreader beam/Hinge K plates commences. Hinge K assembly is partially erected off the ground approximately 2ft to place "shoes" on the 60mm plate.	The initial pick appeared to be smooth.
10:20	Mobilized additional crane mats in the north.	Changed boom angle of the Liebherr crane to pick the load.
10:50	Lifted Hinge K assembly to place on support frames.	While hoovering over the support frames the assembly was being blown around by the wind. Tag lines were used to position the assembly.
11:00	Moving vertical rebar in between Macalloy rods to set the assembly on the support frames.	
11:20	Set shim plates on support frames and used come-alongs to adjust the assembly in the X and Y directions.	
12:30	Hinge K was set on the support frames. Surveyors were shooting points A, B, C, & D on the 25mm template, 60mm back plate, and Macalloy rods. ABF crews were adjusting the Hinge K assembly with come-alongs and the crane.	Surveyor couldn't get accurate shots on the both plates due to the high winds speeds. Also the wind prevented the rodmen for ABF and Towill from climbing to the top of the ladder.
15:00	Angles were used to provide additional bracing between the support frames due to high wind speeds and frame stability.	The carpenters level (attached to anchor plate) bubble was moving from left to right.
15:40	Welding was substantially completed, rigging was unhooked from Hinge K plates, and clamps were placed on the anchor plate shoes/support frame. The shoe supports on the back frame wasn't welded when I left the jobsite.	I mentioned to Branden Bedwell and Terry Cronk that Dayton braces need to be installed per Submittal 618R1 sheet DE318E. Both knew nothing about that detail.

RPS

- Continued to remove #43 vertical bars at W2W column cages.
- Prepped previously cut #43 vertical bars at both W2E and W2W column cages for T-Head installation, see photos below.

Surveying Work:

- Assisted/guided David Bradd with shooting continuity tendons E-33B to E-38B on both the west and east sides of the column rebar cages.

Office Work:

- Continued to analyze and compile surveying data for continuity tendons W-20B through W-38B & Hinge K.

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:	DSC01890	File Name:	DSC01892
Date:	06-03-08	Date:	06-03-08
By Int:	M Bruce	By Int:	M Bruce
<p>Description: Removing formwork used to support the Macalloy rods in the vertical direction. Also tightening nuts on the 60mm anchor plate. 14 trapezoidal shear keys were placed on the grout pad blockout with <math>w_1 = 20\text{mm}</math>, <math>w_2 = 55\text{mm}</math>, and <math>h = 20\text{mm}</math>.</p>		<p>Description: Damaged Denso tape on the Macalloy rods found near the bottom of the template.</p>	

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



File Name:	DSC01896		
Date:	06-03-08	By Int:	M Bruce
Description: Prepping previously cut #43 vertical bars at W2W NE column cage for T-Head installation.			



File Name:	DSC01927		
Date:	06-03-08	By Int:	M Bruce
Description: Trumpets installed for continuity tendons E-1B through E-14B.			



File Name:	DSC01933		
Date:	06-03-08	By Int:	M Bruce
Description: Welding the temporary angles braces (which were spliced in two locations) to the support frames.			



File Name:	DSC01935		
Date:	06-03-08	By Int:	M Bruce
Description: Photo taken of temporary angle braces from inside W2 cap beam.			