

Job Stamp 04-0120F4 SFOBB SAS

Const. Calendar:	546		
Project Work Day No.:	756		
Date	06/11/2008		
Inspectors	Start	07:40	Stop 14:30
Hours			
Shift Hours		07:00	15:30

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

Weather: Sunny with mild temperature and slight breezes - Hi 83F Lo 54F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Continued to build and mobilize on the ground pour number 3, 4 and 5 formwork (posts + cap beam frames).
- Continued preparing formwork between pour 2 construction joint and pour 3 soffit(ceiling).
- Began to remove the styrofoam blockout on the west side of the longitudinal diaphragm.
- Erected North Hinge K assembly (four of four assemblies) near W2W see comments below for details:

Time	Operation	Comments
07:40	Began to remove formwork used to support the Macalloy rods in the vertical direction only. Rigged the spreader beam/Hinge K plates. Placed "shoes" on the 60mm plate. Mobilized additional crane mats in the north.	Changed boom angle of the Liebherr crane to pick the load.
08:15	Leibherr crane lifted Hinge K assembly to place on support frames.	The pick appeared to be smooth. Tag lines were used to position the assembly. There was minimal wind while lifting the Hinge K assembly.
08:30	Moving vertical rebar in between Macalloy rods to set the assembly on the support frames. Set shim plates on support frames and used come-alongs to adjust the assembly in the X and Y directions.	
09:20	ABF piledrivers were adjusting the Hinge K assembly with come-alongs and the crane.	Hinge K was set on the support frames. ABF and Towill surveyors were shooting points A, B, C, & D on the 25mm template and the 60mm anchor plate.
10:40	Rigging was unhooked from Hinge K plates, and clamps were placed on the anchor plate shoes/support frame.	Hinge K assembly is close to the theoretical locations.
12:40	Adjusted elevation of Hinge K assembly with shim plates.	

Additional Notes:

- I didn't check the torque of the nuts on the back plates on the ground, partially due to ABF superintendent Steve Marko's request that Caltrans couldn't use the specialized wrench to check the nuts. However while climbing the Hinge K assembly for the surveying work I checked a couple of the nuts on the back plate and they appeared to be tight. I also checked a couple of the Macalloy rod lengths from the forms and measured the minimum length of 1.11m from the face of concrete to the end of the Macalloy rod. Also the Denso tape on a couple of Macalloy rods was either partially or completely torn off.
- There were 12 rows of shear keys placed on the outer edge of the formwork and 15 rows in the circular area of the assembly.
- A carpenter's level was used to check the plates for plumb and the Macalloy rods being level.
- The Hinge K assembly template and anchor plate wasn't welded to the support frames when I left the jobsite.

RPS

- Finished placing 25VTD01(#25 vertical hook bars) in the north transverse diaphragm, see sheets 497S2 and 497S3 for details. The ironworkers continued to place the top of the #25 hooked vertical bars 80mm below the top of concrete instead of 55mm per plan sheet 480R1.
- Began to mushroomhead the vertical #43 bars in the W2E southwest column cages, see Pamela Gagnier and David Chung's diary for details on this operation.

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Surveying Work:

- Assisted Dave Bradd with shooting points A, B, C, and D on the template and anchor plate for the W2W North Hinge K assembly from 11:30am to 2:30pm. The initial field shots appeared to be close to the theoretical values.
- Shot elevations on the W2W North Hinge K external support frame plates with David Chung before the Hinge was lifted and placed on the supports..

Office Work:

- Began writing today's diary.

Inspector:

Matt Bruce *Matt Bruce* Transportation Engineer (D)