

Job Stamp
04-0120F4
SFOBB SAS

Const. Calendar: 540
Project Work Day No.: 750
Date: 06/05/2008
Inspectors Start 09:30 Stop 11:30
Hours 14:20 15:10
Shift Hours 07:00 15:30

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

Weather: Sunny with mild temperature - Hi 70F Lo 52F (per weather.com forecast)

Description of Operations @ W2 Cap Beam:

ABF

- Continued to build and mobilize on the ground pour number 3 formwork (posts + cap beam frames).
- Continued construction of formwork in the southeast quadrant of the void area.
- Roughened selected areas of the pour 2 construction joint where sandblasting wasn't effective.
- Finished welding south Hinge K assembly near W2W template and anchor plate to support frames.
- Began constructing formwork for the final Hinge K assembly while waiting for the remaining Macalloy rods to be shipped to the jobsite from the Pier 7 warehouse.
- Installed a total of 4 Macalloy rods in the 60mm anchor plate. Macalloy rods were installed in the following locations with the High Strength rods denoted in orange and bold:

Location	Rod Stamp Number	Location	Rod Stamp Number
10	8	12	8
11	8	65	8

Note: 1.) High Strength Macalloy rods in the field were painted yellow on the end of the rod.
2.) Nuts on the back end of the 60mm plate weren't tightened.

Ron Matin and myself went to investigate the deficient Macalloy rods using digital calipers. The yellow mark on the rod denotes where the nut locked on the threads, see photo below. The following table is the measurements taken on the Macalloy rods with the digital calipers:

Rod Length where the nut locked	Bar Diameter before yellow mark	Bar Diameter after yellow mark	Thread Diameter before yellow mark	Thread Diameter after yellow mark
130	70.98	71.42	76.05	76.19
155	71.46	71.42	75.42	75.77
190	71.33	70.94	76.02	75.89
205	71.38	71.39	75.13	75.75

Notes: 1.) There appeared to be no visual damage to the threads of the Macalloy rods.
2.) The lead dimension on the rod was measured to be approximately 8mm.
3.) Since James Duxbury and Alex Sanjines were unavailable; myself and Ron Matin spoke to Tom Ho of TY-Lin about the configuration (Transmittal 05.03.02-000295) of the extra high strength Macalloy rods. At this time 9 extra high strength rods are available with 12 locations remaining. He said it was OK to use the rods with lower tensile strength in locations 4, 24, & either 39 or 73.

RPS

- Continued to remove previously cut #43 vertical rebar from W2E column cages.
- Adjusted the #25 hoops on the north cages at W2E to prepare for T-Head installation on the cut #43 vertical bars in the column cages. Ducts were removed to facilitate this operation.

Office Work:

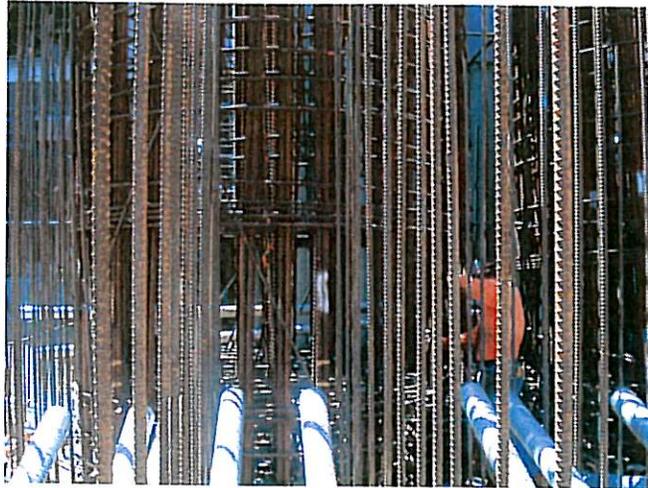
- Analyzed and compiled surveying data for continuity tendons E-33B through E-38B and transverse tendons CBT-25 to CBT-36.
- Wrote today's diary.

Inspector:

Matt Bruce *Matt Bruce* Transportation Engineer (D)

REC'D '08 JUN-28 #005443

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



File Name:	DSC01941		
Date:	06-05-08	By Int:	M Bruce

Description: Adjusted the #25 hoops on the northeast cage at W2E to prepare for T-Head installation on the cut #43 vertical bars in the column cages. Previously installed ducts were removed to facilitate this operation.

File Name:	DSC01944		
Date:	06-05-08	By Int:	M Bruce

Description: The 4 extra high strength Macalloy rods (all have a bar stamp of 3) with deficient threads. The yellow mark on the threads denotes where the nut locks on the rod. ABF foreman Nigel Lohse informed myself, and Ron Matin that they tried a few different techniques to advance the nut on the threads as nothing worked. The techniques used were to hit the nut and use a spud wrench to advance the nut, filing down the threads. Ron suggested to Nigel that the nuts should be tested on the stressing end of the Macalloy rods. Gil informed me that he made a similar suggestion to ABF project manager Jim Davidson.