STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Form HC-10A (Rev. 6/80)

Job Stamp
04-0120F4
SFOBB SAS

Const. Calendar: 516
Project Work Day No.: 726
Date 05/12/2008

| Inspectors | Start | 07:10 | Stop | 12:00 |
|---|---|---|---|---|
| Hours | | 14:00 | | 15:00 |
| Shift Hours | | 06:40 | | 15:10 |

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

**Weather:** Sunny with mild temperature - Hi 71F Lo 49F (per weather.com forecast)

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

ABF

- Operated the water cooling system for pour number 2, see David, Ron, and Lalit's diaries for details.
- Miscellaneous formwork for pour number 3.
- Placed bearing plates and trumpets over the weekend for continuity tendons 14B through 29B near W2E.
- Erected South Hinge K assembly(one of four assemblies) near W2E see comments below for details:

| Time (military) | Operation | Comments |
|---|---|---|
| 07:10 | Waiting for shackles from Pier 7. | |
| 07:45 | Shackles arrive at jobsite, and rigging the spreader beam/Hinge K plates commences. | |
| 08:10 | Hinge K assembly is partially erected off the ground approximately 2ft to place "shoes" on the 60mm plate. | The initial pick appeared to rack the Hinge K assembly from the abrupt movement of the crane. |
| 08:45 | Took off south shoe to redrill holes at a lower elevation. | Shoes were fabricated prior to any field measurements being done. |
| 09:20 | Began drilling holes in the south shoe with a drill press in the field. | |
| 10:25 | Drilling was completed and the south shoe was fastened to the 60mm plate. | The assembly was suspended 2ft from the ground while drilling the south shoe was being done. |
| 10:35 | The Hinge K assembly was picked and positioned over it's final location near W2E on the south end. | The remaining portion of the pick appeared to be smoother. The assembly didn't appear to rack in midair like the initial pick. |
| 11:20 | Trying to set the Hinge K assembly on the support frames. | As the Hinge K assembly was lowered closer to the support frame plates it was found that the template was set too far out and wouldn't fit. |
| 11:45 | Hinge K assembly is back on the ground and excess denso tape is removed to slide template further back on the Macalloy rod threads. | The template was set too far (+4" to 5") on the Macalloy rods. |
| 14:15 | Hinge K was set on the support frames. Surveyors were shooting points A, B, C, & D on the 25mm template and the 60mm back plate. ABF crews were adjusting the Hinge K assembly with come-alongs and the crane. | |
| 14:40 | Unhooked riging from Hinge K plates and placed clamps on the back plate shoes and support frame. | I asked ABF surveyor Terry how much the Hinge was off and he told me it was within an 1" of being set in the theoretical postion in all directions. |
| 15:00 | ABF crews left the jobsite with the Hinge K assembly placement not complete. | The Hinge K assembly plates were not plumb and the Macalloy rods weren't level when the crew left for the day. ABF General Foreman Terry Cronk was aware of this situation. |

REC'D '08 MAY-31 #004902

RPS

- Prepped support bars for continuity and transverse tendons near W2E while ABF surveyors were assisting with Hinge K assembly erection. ABF surveyors are going to give layout to the ironworkers for the continuity tendons through the column rebar cages. This is being done to give TY-Lin a better idea of which bars might be cut to be determined in a field meeting scheduled for tomorrow.

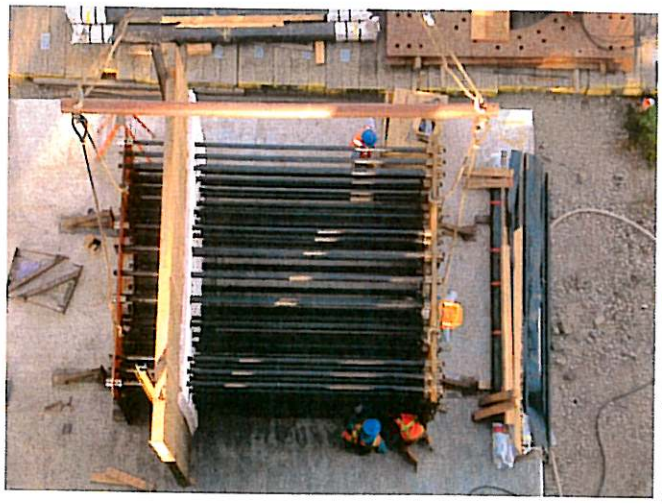
**Office Work:**

- Attended weekly staff meeting (Temp. Towers and Caps) at 1:00pm.
- Wrote todays diary.

**Inspector:**

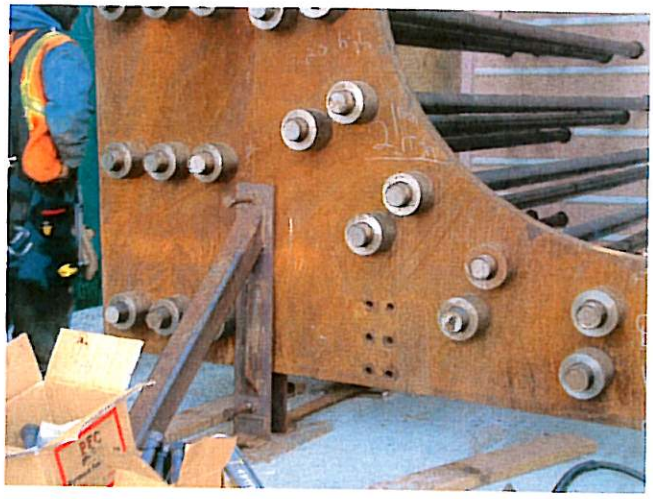
Matt Bruce Matt Bruce Transportation Engineer (D)

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



| | | | |
|---|---|---|---|
| File Name: | DSC01691 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: Rigging the Hinge K assembly on the working slab.



| | | | |
|---|---|---|---|
| File Name: | DSC01697 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: South shoe on the 60mm back plate removed after ABF surveyors verified field measurements didn't match theoretical.

| | | | |
|---|---|---|---|
| File Name: | DSC01706 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: Holes drilled in the southern shoe.

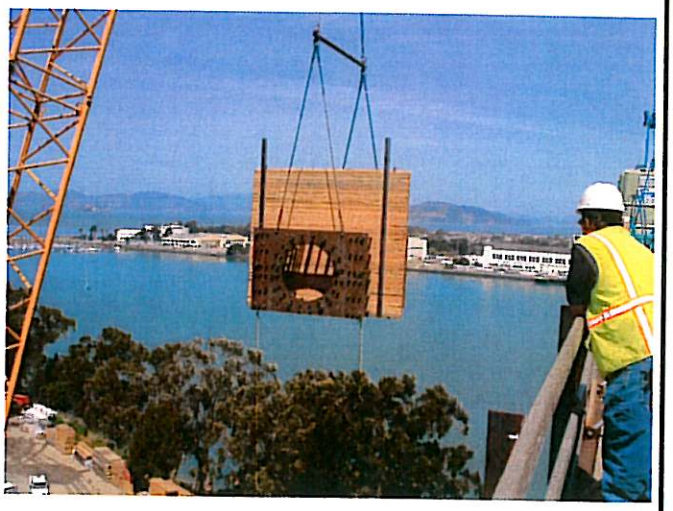
| | | | |
|---|---|---|---|
| File Name: | DSC01712 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: First attempt to place the Hinge K assembly on the support frames.

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

| | | | |
|---|---|---|---|
| File Name: | DSC01725 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: 25mm template didn't fit on the front support frame.



| | | | |
|---|---|---|---|
| File Name: | DSC01728 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: Lowering Hinge K assembly back to the working slab before lunch.

| | | | |
|---|---|---|---|
| File Name: | DSC01732 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: Second attempt to place Hinge K assembly, which resulted in the correct placement of the template on the support frame.

| | | | |
|---|---|---|---|
| File Name: | DSC01737 | | |
| Date: | 05-12-08 | By Int: | M Bruce |

Description: Back plate shown to be out of plumb at the end of the day.