

Job Stamp:
04-SF-80-13.2/13.9 04-0120F4
SFOBB SAS
San Francisco Co. in San Francisco
Fm 0.6 km to 1.3 km East of Yerba Buena
Tunnel East Portal

Report No. **46.B**
Date the Shift Began: **5/16/08**
 NIGHTWORK **FRIDAY**
Shift Hrs Start **6:30** Stop **15:00**
Engineer's Hrs Start **6:30** Stop **15:00**

ASSISTANT RESIDENT ENGINEER'S DAILY BRIDGE REPORT

| | | |
|---|------------------------|----------------|
| Location: W2 Cap Beam | 7-day const. cal.: 520 | Weather: clear |
| Remark: Hinge K assembly, CBT ducts, | Project work day: 730 | Hi 89F/Lo 64F |

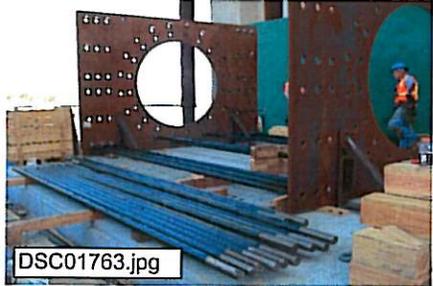
Description of Operation:
 ABF - continue to place rods for 2nd Hinge K assembly/continue removing cooling hoses/dismantle PVC pipes leading to manifolds/remove manifolds from void areas.
 RPS - continue placing CBT ducts through south column area.

| | | HOURS - ITEM NO. | | | | | | | |
|-------------------------|---------|---|-----------------------------|----|----|--|--|--------------|---------------------------------|
| ITEM NO. >> | | 34 | 38 | | | | | IDLE OR DOWN | |
| | | Prestressing Cast-In-Place Concrete (Pier W2) | Structural Concrete, Bridge | | | | | | |
| EQUIPMENT AND/OR LABOR: | | | | | | | | REMARKS | |
| EQPT. NO. | NO. MEN | DESCRIPTION (Of Equipment or Labor) | | RT | RT | | | < RT/OT | Name Classification Prime / Sub |

For equipment and personnel hours, please see LALIT MATHUR'S (CT) diaries.

Monthly Quantity/Estimate calculations - checked for items 38 (structural concrete, bridge) & 133 (surveying).

ABF continued to place HS Macalloy rods in the 2nd Hinge K assembly (DSC01763). By the end of the day, they had three rows of bars complete. They are using the same means/methods used for the 1st assembly.
 The entire cooling system has been removed (cooling hoses, manifolds/PVC pipes leading to manifolds) from the void areas.
 There are noticeable locations bad consolidation of the concrete. In particular, on the south bulkhead of the intermediate transverse diaphragm - towards the top of the pour and at the bottom edge of the styrofoam keyways (DSC01767). This problem may be a result of not enough wetting of the forms prior to the concrete pour. There could be too much surface tension for the concrete to flow and adequately consolidate.
 The blockouts for ducts #23 & 24 turned out okay. With the styrofoam removed, it looks like coupling to this duct will not be a problem (DSC01764), although no one has yet removed the tape to see if concrete has gotten inside.
 With the Hinge K assembly raised in the air and the hot temperatures we received this week, it looks like the denso paste from the Macalloy rods have been melting and dripping on the rebar below (DSC01770). This denso paste application is primarily for debonding of the rods from the concrete pour. In this case, the steel reinforcement will be debonded from the concrete in which it will be encased. A remedy may be required to remove this paste on the reinforcement.
 RPS has continued to place duct in the south column cage area - grades have not been checked.



Materials:

| | | |
|------------|--|-------------------------|
| Insp. Hrs. | | |
| REG: 8.0 | | INTERMITTENT INSPECTION |
| OT: | | |

REC'D JOB MAY 21 10:05 AM '08

DAVID CHUNG

TE/CT
Title