

TOLL PROGRAM/DIST. 4 CONSTR.

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: **3/10/08**

NIGHTWORK **MONDAY**

Shift Hrs Start **7:00** Stop **15:30**  
Engineer's Hrs Start **7:00** Stop **15:30**

**ASSISTANT RESIDENT ENGINEER'S DAILY**

**BRIDGE**

**REPORT**

Location: <b>W2 Cap Beam</b>	7-day const. cal.: <b>453</b>	Weather: <b>Clear</b>
Remark: <b>Pour 2 formwork</b>	Project work day: <b>663</b>	<b>Hi 63F/Lo 48F</b>

**Description of Operation:**

up above:

- continue formwork for pour 2 diaphragms.
- continue to sandblast/clean concrete (north segment of pour 1)

down below:

- resume formwork for Hinge K assembly (different panel than the one previously started)

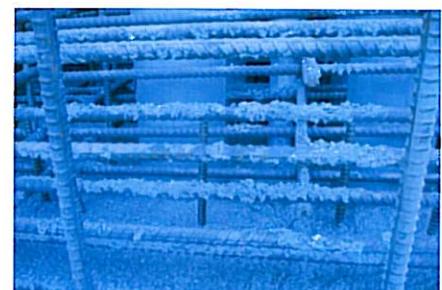
		HOURS - ITEM NO.					IDLE OR DOWN	REMARKS		Prime / Sub
ITEM NO. >>								Name	Classification	
								<b>American Bridge / Fluor JV</b>	(P)	
									(1)	
									(2)	
									(3)	
									(4)	
									(5)	

**EQUIPMENT AND/OR LABOR:**

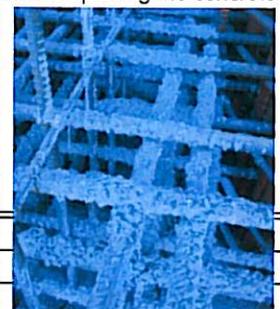
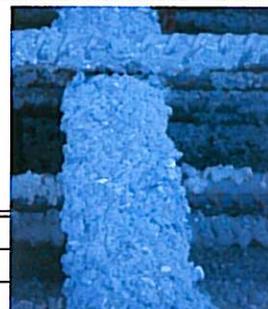
EQPT. NO.	NO. MEN	DESCRIPTION (Of Equipment or Labor)								

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

An internal meeting in the field to observe the cracks, accept/reject the construction joint, and discuss concrete debris on un-embedded steel reinforcement revealed that the steel reinforcement for pour 2 is rejected due to uncleanliness. During concrete placement of pour 1, concrete debris was left over on the steel reinforcement. Gordy (ABF) claims that they tried to clean it off but was unsuccessful. To date, the only method that I have witnessed of cleaning is sandblasting the construction joint and steel reinforcement. The aggregate has been exposed on some of the reinforcement, but on other bars it does not look as if any attempt has been made to clean off the concrete debris. Attached pictures show some effort (left) and no effort (center) into sandblasting debris. Gordy claims that the bars are inaccessible and therefore cleaning by means of hitting it would be extremely difficult. The picture on the right shows bars on the east side of the column area which are easily accessible.



Furthermore, Marco (ABF) claims that a laborer attempted to remove the concrete by hitting it for three days, with no success. However, Matt (CT) and I took a few swings at the concrete and it chipped off. Also, Matt and I showed Gordy that a wedging action between two horizontal bars could break some of the bonds (above left). Ron (CT) and Pam (CT) states that Marco did agree that the bars were not clean but refused to provide any more effort at cleaning them. The pictures below are examples of the extent of the concrete debris and absence of care when placing the concrete during pour 1.



REG:  **INTERMITTENT**  
OT:  **INSPECTION**

*David Chung*  
**DAVID CHUNG**

REPORTED BY: **DAVID CHUNG**  
Title