

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: **2/20/08**

NIGHTWORK WEDNESDAY

Shift Hrs Start 7:00 Stop 15:30  
Inspector's Hrs Start 8:00 Stop 16:30

**ASSISTANT RESIDENT ENGINEER'S DAILY BRIDGE REPORT**

Location: W2 Cap Beam Remark: 5th day of curing	7-day const. cal.: 434 Project work day: 644	Weather: overcast, light int. rain Hi 56 F/ Lo 46 F
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Description of Operation:

HOURS - ITEM NO.							IDLE OR DOWN	REMARKS		Prime / Sub
ITEM NO. >>								Name	Classification	
								American Bridge / Fluor JV	(P)	
									(1)	
									(2)	
									(3)	
									(4)	
									(5)	
EQUIPMENT AND/OR LABOR:										
EQPT. NO.	NO. MEN	DESCRIPTION (Of Equipment or Labor)				< RT/OT				

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

No field inspection performed today.  
Task involved studying plans and special provisions.

In the standard spec (pg 359/1999 ed.) under 51-1.09 Placing Concrete, 5th paragraph: "After placing, consolidating and initial screeding of concrete for structure footings, more than 750mm in vertical dimension and with a top layer of reinforcement, the concrete shall be reconsolidated by the use of internal vibrators for a depth of 0.3-m from the top of the footing and refinished. Reconsolidation shall be accomplished as late as the concrete will again respond to vibration, but not less than 15 minutes after the initial screed has been completed."

The purpose of the reconsolidation is for any settling of the concrete around the top layer of reinforcement. This would create a small pocket/void under the top later of steel as the aggregates will be blocked by the steel but the cement paste will continue to flow (minimally). Though this last pour (soffit) was not a footing, it was 800 mm thick. Going by the same principle, the top layer should have been vibrated.

In the special provisions, under "MASS CONCRETE" on page 263, "Portions of structure that are mass concrete include Pier W2 cap beam...", and "After the mass concrete pour has been topped out and finished, it shall be revibrated and refinished. Revibration shall extend below the top mat of reinforcement and shall be done as late as the concrete will again respond to vibration."

Materials:

Insp. Hrs.	
REG:	INTERMITTENT
OT:	INSPECTION

*David Chung*  
DAVID CHUNG  
REC'D 408 MAR 22 10:03:05 AM '08  
Title