

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: **3/13/08**  
 NIGHTWORK **THURSDAY**  
 Shift Hrs Start **7:00** Stop **15:30**  
 Engineer's Hrs Start **7:00** Stop **15:30**

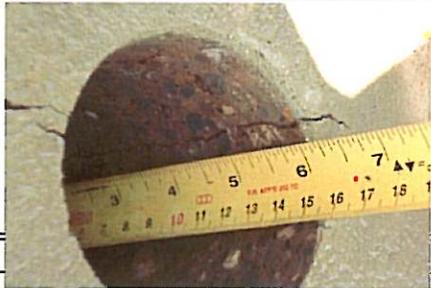
**ASSISTANT RESIDENT ENGINEER'S DAILY BRIDGE REPORT**

Location: **W2 Cap Beam** 7-day const. cal.: **456** Weather: **cloudy AM w/wet grnd**  
 Remark: **Coring concrete for cracks** Project work day: **666** HI **59F/Lo 55F**

Description of Operation:  
 up above:  
 - erecting steel members for diaphragm support  
 - continue to sandblast/clean concrete in northern segment of pour 1  
 down below:  
 - continue fabricating forms for diaphragm walls - pour 2

EQUIPMENT AND/OR LABOR:		HOURS - ITEM NO.					IDLE OR DOWN	REMARKS		Prime / Sub
EQPT. NO.	NO. MEN	DESCRIPTION (Of Equipment or Labor)						Name	Classification	
For equipment and personnel hours, please see LALIT MATHUR'S (CT) diaries.										

CT core drillers were on site today to take samples at the locations specified on 3/5/08. Based on yesterday's observations, more sampling was performed other than the original 4.  
 The results can be seen in the photos. The core drilling stopped as soon as the operators felt they were hitting steel. The longest core was about 6 inches and the widest crack was larger than 2mm. Six samples were taken total and the cracks in each went to the entire length of the core. These samples show that these cracks are not just surface cracks.  
 One of the extra cores was at the location where Terry (ABF) chipped out a groove last week (3/5/08). The findings are that the crack did indeed go deeper than what was chipped out.  
 These cracks *may* be shrinkage cracks, but they are still not to be taken lightly. Though the typical cross section would show a large size rebar, due to the size of the conc pour, the bar may not have been enough to suffice for shrinkage.  
 At this point, since the cracks extended to the bottom of the core, we cannot be sure how far the cracks go beyond the bottom of the holel.  
 Pressure injection of epoxy to seal these cracks would be effective to seal these cracks from future damage to the rebar.



Insp. Hrs.	
REG:	INTERMITTENT
OT:	INSPECTION

*David Chung*  
 DAVID CHUNG

REC'D 08 MAR 22 2008 JF/CT  
 FILE 1