

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: **5/4/09**
 NIGHTWORK **MONDAY**
Shift Hrs Start 6:30 Stop 10:30
Engineer's Hrs Start 7:30 Stop 18:00

ASSISTANT RESIDENT ENGINEER'S DAILY BRIDGE REPORT

Location: Bent W2	7-day const. cal.: 873	Weather: Sunny & Cold
Remark:	Project work day: 1083	

Description of Operation: Grouting of the Vertical Bars (North of the cap)

		HOURS - ITEM NO.									
ITEM NO. >>		38						IDLE OR DOWN/ ELSEWHERE	Prime	American Bridge / Fluor JV (P)	
										Sub #1	SDI (1)
									Sub #2	(2)	
									Sub #3	(3)	
									Sub #4	(4)	
									Sub #5	(5)	
EQUIPMENT AND/OR LABOR:		Structural Concrete, Bridge							REMARKS		Prime / Sub
EQPT. NO.	NO. MEN		DESCRIPTION (Of Equipment or Labor)	RT							

Today marked the 3rd day of grouting as this operation was focused on the grouting of the Vertical Bars (VB) located on the North side of the cap beam.

Grouting operation began at 7:30 and the grout seemed much more dilute than the mix used on Friday. Once the grout came out of the first VB, it was preceded by water and for a short while one could not detect much grout in the mix. The Efflux Time = 17sec is the evidence of the higher water content in this mix. However, the mix is in adherence with the manufacturer's recommendations and the Standard Specifications. Other parameters determined on the first test on the grout for which cubes were made were as follows:

Tgrout: 90F Tair: 52F Samples taken @: 7:40

The high temperature of grout was a concern that I discussed with Ralph Craig. On the second test we ran at 8:05, the results on the grout were as follows:

Efflux Time: 17sec Tgrout: 94F & 92F (Matt's & Mine) Temp. in the holding tank: 90F & 92F (Matt's & mine)

At this point, I told Ralph that he has to cool off the grout, otherwise the operation has to cease. They realized that there was an operator oversight (Erin Craig) in the opening and closing of a certain mixing blade that cause the grout temperature to rise.

We kept close tabs on the temperature for the first of the operation and the following results were obtained on our frequent measurements:

- @ 8:29: 82F & 82F (Matt's & mine)
- @ 8:43: 84F & 85F (Matt's & mine)
- @ 9:05: 90F & 90F (Matt's & mine)
- @ 9:10: 81F & 81F (matt's & mine)

The operation ended at 9:25.

For other details and the name of the SDI employees, please refer to Matt Bruce's report.

REC'D H31 SEP-17 #010954

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CP-CEM 4601 (Rev. 4/99) (Old HC-10A)

TOLL PROGRAM/DIST. 4 CONSTR.

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ASSISTANT RESIDENT ENGINEER'S DAILY

BRIDGE

REPORT

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Materials:

Insp. Hrs.	
REG: 8.0	INTERMITTENT
OT:	INSPECTION

Saman Soheili
Saman Soheili

ASR/CT
Title