

Job Stamp 04-0120F4 SFOBB SAS

Construction Calendar no.	488		
Project working days no.	698		
Date	04/14/2008		
Inspectors Hours	Start	7:00	Stop 15:30
Shift Hours	Start	6:30	Stop 15:00

Assistant Structure Rep.'s Daily Report

Location & Description of Operation	SAS-Temporary towers, Tower A & B foundation
Weather	HI: 61 F Low: 50 F Windy

Equip no.	# personnel	Equipment and/or labor Description (of equipment or labor)	Hours - ITEM no.							Remarks
			Regular	OT	DT	Rental			IDLE	
D12-261	C	Manitowoc - 4100 W	8							T.D.
7-154	C	CAT - IT28B loader								T.D.
30-196	C	Lincoln Electric 300D generator	8							T.D.
549-20-6031	R	DCA25USI MQ power generator	8							For trailer (T.D.)
7R24999	C	F-150 pick-up	8							T.D.
L-270	C	D185Q Sullivan Palatek compressor								T.D.
246-01-6015	R	John Deere 9000lb Excavator								T.D.
	1	Ron Lindsey	8							Foreman (T.D.)
	1	Duck Brewer								Pile driver (T.D.)
	1	Randle	8							Pile driver (T.D.)
	1	Bill White	8							O.E. (T.D.)
	1	Ken White	8							O.E. (T.D.)
	1	Chris Brewer								Laborer (T.D.)
	1	Richi Hiebert								Laborer (T.D.)
AC-40	C	VHP 750 Ingersoll Rand compressor								Drill Tech
8M70628	C	2500 Dodge Ram	8							Drill Tech
UG63505	C	Ford F-800	8							Drill Tech
	C	Compact drill-rig								Drill Tech
	C	Batter drill platform								Drill Tech
	1	Brad Middleton	8							Foreman (Drill Tech)
	1	Gerado Trujillo								Drill Tech
	1	Sistos Aguirre								Drill Tech
	1	Ulises Aguilar	8							Drill Tech
	1	Luiz Martinez								Drill Tech
	1	Ishmail Leon	8							Drill Tech
	1	Nicolas Leon								Drill Tech

Description of Operation:

- Daily activity of contractors
 - T.D. poured concrete for the A1 base slab (see Fig 1).
 - Drill tech tested battered piles of B2 footing, i.e. #9 and #10 (see Fig 2). See attachments #1 and 2 for the testing results.
 - See Art Pannu, Damon Brown, Gina Rizzardo, Thanh Le and Abdikarim Ali's diaries for additional contractors' activities and comments.

REC'D *08 JUN-28 #005243

➤ Note

- Concrete pours started around 10:30. Collected tag and certificate of compliance (see attachment #3 and 4). 5 gallons water are added upon request by T.D. on site.
- Two concrete samples are made.
- Test of micropile #10 was stopped due to excessive cracks. After reaching 960KN, it is maintained 10 minutes to determine creep elongation (see attachment #2).
- Manuel, a geotech engineer from KCB, is on site from 9:00 to 14:00.
- 2 hours O.T. due to field work and review of the plan and submittals.



Fig 1. Concrete is poured at A1 base slab.



Fig 2. Battered pile testing set-up by Drill Tech.



Figs 3 and 4. Cracks due to micropile #10 testing.

Inspector:
SongHyeok Song

Trans Engineer (Civil) / Asst. Struct. Rep

Attachment 1

DRILL TECH DRILLING & SHORING INC.

2200 Wymore Way, Antioch, CA. 94509
 P:(925)978-2060/F:(925)-978-2063/CSL#745354

PILE CAP B2 - BATTER

Project: Oakland Bay Bridge
 Location: East Span
 Pile Number:
 Foreman:
 Job No: 749
 Contract No:
 Ram Number: DT-600-12-1
 Gauge Number: B / DT-600-12-1
 Calibration: 8.19

Max. Tension Load: 1500 kN
 Design Test Load (T): 1427.8 kN
 1273.2

Date Drilled:
 Date Grouted:
 Date Tested:

PROOF TEST

Load Level	Load(KN)	Load(Kips)	Gauge (psi)	Hold Time	Elong. (in.)
AL=0.10T	127.8	28.7	235 208	Until Stable	0
0.25T	269.5	71.8	533 519	Until Stable	0.02
0.50T	539.1	143.7	1176 1038	Until Stable	0.127
0.75T	808.6	215.5	1704 1557	Until Stable	0.22
1.00T	1278.2	287.4	2354 2077	Until Stable	0.36
1.20T	1533.8	344.3	2824 2492	Until Stable	0.54
1.33T(Creep)	1500.0	332.2	3130 2762	See Below	0.607

10 Min. Creep Test (1.33T)

Time	Movement
1 Min.	0.614
2 Min.	0.617
3 Min.	0.622
4 Min.	0.627
5 Min.	0.630
7 Min.	0.635
10 Min.	0.638
Difference	0.022

0.603
 0.617
 0.611
 0.615
 0.618
 0.620
 0.618
 0.015

1 Hr. Creep Test (if required)*

Time	Movement
15 Min.	
20 Min.	
25 Min.	
30 Min.	
45 Min.	
60 Min.	
Difference	

0.004

Permanent Deformation
 0.250 0.275

* If load of 1.33T cannot be maintained for 10 minutes with 0.04 inches or less movement, the 1.33T load shall be maintained for an additional 50 minutes (1.0 hour creep test)

Soil Type:
 Drill Hole Dia.:
 Depth of Ground Water:
 Drill Hole Depth:
 Bonded Length:
 Unbonded Length:
 Comments:

By George...
 5

April 14, 2008 10.00 AM

Attachment 2

12:50 p.m. S.H. 4006

DRILL TECH DRILLING & SHORING INC.
 2200 Wymore Way, Antioch, CA. 94509
 P: (925) 978-2060/F: (925)-978-2063/CSL#745354

PILE CAP B2 - BATTER

Max. Tension Load:
 Design Test Load (T):

1700
 1500 kN
 1127.8 kN
 1223.2

Project: Oakland Bay Bridge
 Location: East Span
 Pile Number:
 Foreman:
 Job No: 749
 Contract No:
 Ram Number: DT-600-12-1
 Gauge Number: B / DT-600-12-1
 Calibration: 8.19

Date Drilled:
 Date Grouted:
 Date Tested:

PROOF TEST

Load Level	Load(KN)	Load(Kips)	Gauge (psi)	Hold Time	Elong. (in.)
AL=0.10T	127.8	28.7 25.4	235 208	Until Stable	0.0 0.0
0.25T	319.5	71.8 63.4	558 519	Until Stable	0.044 0.032
0.50T	639.0	143.7 126.8	1175 1038	Until Stable	0.144 0.094
0.75T	958.5	215.5 190.2	1704 1557	Until Stable	0.155 0.155
1.00T	1278.0	287.4 253.5	2354 2077	Until Stable	
1.20T	1533.6	344.8 304.3	2824 2492	Until Stable	
1.33T(Creep)	1700.0	382.2 337.2	3130 2762	See Below	

10 Min. Creep Test (1.33T)

Time	Movement
1 Min.	0.165
2 Min.	0.160
3 Min.	0.162
4 Min.	0.165
5 Min.	0.165
7 Min.	0.160
10 Min.	0.160
Difference	

0.158
 0.159
 0.160
 0.160
 0.150
 0.146
 0.145

1 Hr. Creep Test (if required)*

Time	Movement
15 Min.	
20 Min.	
25 Min.	
30 Min.	
45 Min.	
60 Min.	
Difference	

Residual

0.02 0.02

* If load of 1.33T cannot be maintained for 10 minutes with 0.04 inches or less movement, the 1.33T load shall be maintained for an additional 50 minutes (1.0 hour creep test)

They do creep test after reaching 1765 psi, which is roughly 50% of maximum load

Soil Type:
 Drill Hole Dia.:
 Depth of Ground Water:
 Drill Hole Depth:
 Bonded Length:
 Unbonded Length:
 Comments:



San Francisco Plant # 628
 500 Armador Street
 San Francisco CA 94124
 1-866-476-2764

DATE
 1/14/2008

TICKET NO.
 82633716

P.O. #

PROJECT NO.
 31230941

BILL TO					SHIP TO				
30093628 CASH SALES AREA PENDING SAN FRANCISCO					34475879 SAN FRANCISCO, NORTH GATE RD SAN FRANCISCO, NORTH GATE RD				
LOAD	LEAVE PLANT	ARRIVE JOB SITE	START DISCHARGE	FINISH DISCH.	LEAVE JOB SITE	ARRIVE PLANT	STAND-BY TIME		
09:33:07	0440	1005	1014						
SLUMP		PLANT NO.	TRUCK NO.		DRIVER		MAP ZONE		
5.0 In. 3-5"		828	3664		CORTEZ, VICTOR A		030 0648-F2		
ORDER	PRODUCT CODE			REFERENCE		USAGE			
90015080 / 1	A-300-8-V-08-35-1-X-2DA			157780		SLAB			
LOAD QTY	CUMULATIVE QUANTITY	ORDERED QUANTITY	U/M	PRODUCT CODE	PRODUCT DESCRIPTION	PRICING			
						UNIT	EXTENSION		
1.50	4.50 / 4.50		YD3	64208	3000 PSI 1" VA PP F 3-5" #3008VC8351X2DA	113.39	510.26		
1.00			EA		FUEL SURCHARGE RM	28.00	28.00		
1.50			Y3		MINIMUM LOAD BY Y3	40.00	60.00		
<i>5 gallon water added</i>									
1st Service Sent		- Truck							
2nd Service Sent		- Truck							
DRUM REVOLUTIONS		134							
SPECIAL INSTRUCTIONS						SALES TAX	20.36		
- YERBA BUENA ISLAND - NORTH GATE RD, MACALLA RD - TAKE MACALLA RD GO UP						TICKET TOTAL	596.25		
2 STOP SIGN THEN GO LT @ DEAD END TO N. GATE MAP PG 848 P/2 AUTH.# 055200						SUB-TOTAL	649.10		
						STAND-BY TIME			
						TOTAL	649.10		

All terms and conditions contained in the Material Quote and Credit Application and Agreement are hereby incorporated into this document and made a part hereof. This document is subject to the terms and conditions appearing on the reverse side hereof.
 NOTICE: THE STRENGTH OF CONCRETE DESCRIBED IS BASED UPON A SLUMP OF 3 TO 5 INCHES, OR AS SPECIFIED BY THE APPROVED MIX DESIGN WHEN TESTED IN ACCORDANCE WITH ASTM C-94. THE CUSTOMER IS RESPONSIBLE FOR REQUIREMENTS OF ACI 305A AND 306.

THE UNDERSIGNED AUTHORIZED ADDITION OF _____ GALLONS OF WATER.

SLUMP TAKEN: YES NO TEST CYL TAKEN: YES NO

WEIGHMASTER CERTIFICATE

THIS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

JAY G WREN

By Deputy X
 700DT002CA Weigh Master

REASON FOR STANDBY: _____
 CUSTOMER ASSUMES RESPONSIBILITY AND /OR LIABILITY FOR ANY PERSONAL OR PROPERTY DAMAGE WITHIN THE CURB AND PROPERTY LINE. ALL CLAIMS MUST BE MADE AT TIME OF DELIVERY.

RECEIVED AND ACCEPTED BY: _____

CUSTOMER 1 COPY

1585687

Attachment #4

No. 515136

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
VENDOR'S CERTIFICATE OF COMPLIANCE
MR-0543 (REV. 5/93) #CT-7541-6020-2

PRECAST CONCRETE PRODUCTS OR Ready Mix

TO: Cash sale

STATE HIGHWAY ENGINEER

We certify that the portland cement, chemical and mineral admixtures contained in the material described below are brands stated and comply with specifications for:

CONTRACT NUMBER: 90015080

CEMENT BRAND <u>CEMEX</u>	MILL LOCATION <u>DAVENPORT</u>
TYPE <u>II mod I</u>	

CHEMICAL ADMIXTURE

1. BRAND <u>WRDA-64</u>	MANUFACTURER <u>GRACE</u>
TYPE <u>Water Reducer</u>	
2. BRAND	MANUFACTURER
TYPE	

CHECK BOX IF A CHEMICAL ADMIXTURE WAS NOT USED

MINERAL ADMIXTURE

MANUFACTURER <u>ISG</u>	CLASS <u>F</u>
----------------------------	-------------------

CHECK BOX IF A MINERAL ADMIXTURE WAS NOT USED

DELIVERY DATE (Ready-Mix) 4-14-08 DATES OF FABRICATION (Precast)

LIST PRODUCTS TO WHICH CERTIFICATE APPLIES. (Show size and lin. ft. of pipe, etc., delivery slip numbers for ready-mix.)

67833715

MANUFACTURER OF CONCRETE PRODUCTS CEMEX

By: AUTHORIZED REPRESENTATIVE SIGNATURE [Signature]