STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

Form HC-10A (Rev. 6/80)

Job Stamp
04-0120F4
SFOBB SAS

Report No. 490
Project Work Day No. 700
Date **16-APR-2008**
Shift Hours Start 7:30 Stop 16:00

ASSISTANT RESIDENT ENGINEER'S **CONTRACTOR – ABFJV**

Weather: Clear, 62°-68°

HOURS - ITEM NO.

EQUIPMENT AND/OR LABOR:

Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)	#8 FURNISH TEMPORARY TOWERS									IDLE OR DOWN	REMARKS Name	Contractor
		SEE ABDIKARIM ALI'S DIARY FOR OTHER CONTRACTOR'S EQUIPMENT AND LABOR DESCRIPTIONS												

Description of Operation:

- Checked calculations for B-1 Spoils Platform, TRN 919
- Field Visit, Arrived at Foundations A and B at 9:30am
  - Foundation B2
    - Drill Tech performed proof test on vertical micropiles 2, 3, 8, 4, &1. See Abdikarim Ali's diary for M.P. 2, 3, & 8. For results of M.P. 4 and 1 reference the attached testing sheets.
- Reviewed S654 – Towers A & B Erection Procedure

Inspector:

Gina Rizzardo Gina Rizzardo Transportation Engineer/Assistant Structure Rep.

REC'D '08 JUN-28 #005251

M.P. NO. 1
4/16/08
11:25

DRILL TECH DRILLING & SHORING INC.
2200 Wymore Way, Antioch, CA. 94509
P:(925)978-2060/F:(925)-978-2063/CSL#746354

PILE CAP B2 - VERTICAL

Max. Tension Load: 1800 kN
Design Test Load (T): 1353.4 kN

Date Drilled:
Date Grouted:
Date Tested:

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

PROOF TEST

Load Level	Load(KN)	Load(Kips)	Gauge (psi)	Hold Time	Elong. (in.)		RESIDUAL	
AL=0.10T	135.3	30.4	249	Until Stable	0	0	0.156	0.193
0.25T	338.3	76.1	623	Until Stable	0.068	0.071	0.252	0.290
0.50T	676.7	152.1	1246	Until Stable	0.172	0.189	0.369	0.410
0.75T	1015.0	228.2	1869	Until Stable	0.277	0.290	0.451	0.493
1.00T	1353.4	304.3	2492	Until Stable	0.370	0.388	0.519	0.563
1.20T	1624.1	365.1	2990	Until Stable	0.459	0.482	0.561	0.603
1.33T(Creep)	1800.0	404.7	3314	See Below	0.542	0.547	-	-

10 Min. Creep Test (1.33T)

11:31

Time	Movement	
1 Min.	0.549	0.584
2 Min.	0.558	0.593
3 Min.	0.560	0.600
4 Min.	0.560	0.601
5 Min.	0.561	0.602
7 Min.	0.562	0.604
10 Min.	0.567	0.608
Difference	0.018	0.024

1 Hr. Creep Test (if required)*

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

* 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: INSPECTOR: [illegible]

TESTING BEGAN WITH LEVEL 1/4 OF BUBBLE OFF LEVEL @ 0.5T BUBBLE WAS COMPLETELY OFF RE-ZEROED SO BUBBLE WAS CENTERED & AT 1.00T BUBBLE MOVED 1/4 OUT OF LEVEL.

M.P. NO 4
4/16/08
10:45 AM

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

PILE CAP B2 - VERTICAL

Max. Tension Load: 1800 kN
Design Test Load (T): 1353.4 kN

Date Drilled:
Date Grouted:
Date Tested:

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

PROOF TEST

Load Level	Load(KN)	Load(Kips)	Gauge (psi)	Hold Time	Elong. (in.)		RESIDUAL	
AL=0.10T	135.3	30.4	249	Until Stable	0	0	0.169	0.139
0.25T	338.3	76.1	623	Until Stable	0.035	0.040	0.233	0.210
0.50T	676.7	152.1	1246	Until Stable	0.114	0.122	0.317	0.288
0.75T	1015.0	228.2	1869	Until Stable	0.206	0.208	0.378	0.346
1.00T	1353.4	304.3	2492	Until Stable	0.301	0.293	0.427	0.398
1.20T	1624.1	365.1	2990	Until Stable	0.387	0.369	0.449	0.418
1.33T(Creep)	1800.0	404.7	3314	See Below	0.444	0.428	—	—

10 Min. Creep Test (1.33T)

10:49

Time	Movement	
1 Min.	0.447	0.427
2 Min.	0.448	0.425
3 Min.	0.449	0.424
4 Min.	0.450	0.424
5 Min.	0.450	0.425
7 Min.	0.452	0.425
10 Min.	0.453	0.426
Difference	0.006	0.001

1 Hr. Creep Test (if required)*

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

* 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: INSPECTOR A. Ryzardo

- NO NOTICEABLE CRACKING IN SLAB
- FINISHED TEST SUCCESSFULLY