STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
Form HC-10A (Rev. 6/80)

Job Stamp
04-0120F4
SFOBB SAS

Report No. 573
Project Work Day No. 783
Date 08-JULY-2008
INSPECTOR'S
Shift Hours Start 7:00 Stop 15:30

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

Weather: Wind, 64°-72°

			HOURS - ITEM NO.											
EQUIPMENT AND/OR LABOR:			#8 FURNISH TEMPORARY TOWERS									IDLE OR DOWN	REMARKS	
Equip. #	NO. MEN	DESCRIPTION (Of Equipment or Labor)											Name	Contractor
		SEE THANH LE'S DIARY FOR CONTRACTOR'S OTHER EQUIPMENT AND LABOR DESCRIPTIONS												

Description of Operation:

- Field Visit, Arrived at DB-5 Barge at 8:00am
  - Traylor Dutra used the Mench Hydraulic Hammer to drive 6 piles on the South Driving Frame – all four non-PDA piles and two PDA piles: D105, D107, D104, D102, D106, D108. See attached log pile sheets for complete data.

Inspector:

Gina Rizzardo Gina Rizzardo Transportation Engineer/Assistant Structure Rep.

REC'D 08 SEP-06 #006487

TTD - NORTH

JOB STAMP
04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73)

THANH LE 08-JULY-2008

Bridge No ______ Abut or Bent No. ______ Ftg ______ Pile No D102 Sheet No 2

Hammer Make ______ Model APE 600 / MENCK MHU500T E = 550 KNm Ft-Lbs

Reference Point-Description TOP OF ANNULUS Elev 0.5m

	PENET (m)	TIP ELEV (m)	BLOWS / 250mm
7/2 STAB	23.50		
7/7 VIBRO	26.50	20	
7/8 MENCK 1245	26.75		12
	27.00		14
	25		13
	50		17
	75		19
	28.00		22
	25		22
	50		27
	75		39
	29.00		27
	25		22
	50		23
	75		26
	30.00		30
	25		36
	50		36
	75		46
	31.00		43
	25		46
	50		46
	75		49
	32.00		55
	25		55
	50		58
1309	75		86 (17, 151/25 mm)
	33.00		
	25		

PENET	TIP ELEV (m)	BLOWS / 250mm
33.50		
75		
34.00		
25		
50		
75		
35.00		
25		
50		
75		
36.00		
25		
50		
75		
37.00		

PENET	TIP ELEV	BLOWS / FT

JOB STAMP

04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73) G. RIZZARDO 08-JULY-2008

Bridge No _____ Abut or Bent No. _____ Ftg _____ Pile No D10A Sheet No 4

Hammer Make _____ Model APE 600/MENCH MHU500T E = 550 KN-m ~~Ft-Lbs~~

Reference Point-Description TOP OF ANNULUS Elev 6.5 m

7/2 STAB
7/7 APE 600 VIBRO
7/8 MENCH 11:16 AM

PENET	TIP ELEV	BLOWS / FT
23.25		
28.00	21.50	
.25		9
.5		32
.75		59
29		70
.25		63
.5		43
.75		43
30		36
.25		44
.5		42
.75		63
31		58
.25		69
.5		96
11:36 AM .75	25.25	133
31.95	25.35	REFUSAL: (blows/25 mm) 21,21 > 8 ✓

PENET	TIP ELEV	BLOWS / FT

PENET	TIP ELEV	BLOWS / FT

JOB STAMP

04-0120F4
SAS
SFOBB-ESSSP

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73)

G. RIZZARDO 08-JULY-2008

TEMP TOWER D

Bridge No _____ Abut or Bent No. _____ Ftg _____ Pile No D105 Sheet No 5

Hammer Make APE/MENCH Model 600/MHU500T E = 550 KN-m ~~Ft-Lbs~~

Reference Point-Description TOP OF ANNULUS Elev 6.5m

	PENET	TIP ELEV	BLOWS/FT
7/2/08 STAB	-24.50		
7/3/08 APE 600 VIB.	-28.75	-22.25	
9:09 AM	-29.00		9
	-29.25		9
	-29.50		15
	-29.75		26
	-30.00		38
	-30.25		47
	-30.50		34
	-30.75		37
	-31.00		28
	-31.25		29
	-31.50		29
	-31.75		36
	-32.00		31
	-32.25		33
	-32.50		34
	-32.75		39
	-33.00		41
	-33.25		45
	-33.50		58
	-33.75		64
	-34.00		53
	-34.25		65
	-34.50		82
	-34.75		95
	-35.00		103
9:37 AM	-35.12	-28.62	REFUSAL: (blows/25 mm)
			13,10 > 8 ✓

PENET	TIP ELEV	BLOWS/FT

PENET	TIP ELEV	BLOWS/FT

TTD - NORTH

PDA TESTING

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73)

JOB STAMP

04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

07/08/08 THANH LE

Bridge No ________ Abut or Bent No. ______ Ftg ________ Pile No D106 Sheet No 6

Hammer Make ________ Model APE 600/MENCH MHU500T E = 550 KNm ~~Ft-Lbs~~

Reference Point-Description TOP OF ANNULUS Elev 6.5 m

7/2 STAB
7/3 VIBRO
7/08 MENCK
1310 → 150 Ⓡ

PENET	M TIP ELEV	BLOWS / FT
24.75		
30.00	23.50	
.25		15
50		21
75		30
31.00		44
25		39
50		24
75		24
32.00		22
25		26
50		27
75		27
33.00		38
.25		43
50		40
75		40
34.00		50
25		50
50		58
75		34 + 60 = 104
35.00		90
.25		14 +
50		
75		
36.00		
25		
50		
75		

21 MN

PENET	TIP ELEV	BLOWS / FT
37.00		
25		
50		
75		
38.00		
25		
50		
75		
39.00		

RESIDUAL
10, 10, 10, 10

PENET	TIP ELEV	BLOWS / FT
PDA		
23.3 MN. FMAX		
405 KJ EMAX.		
2?1		CSX (MPa)
276		CSI (MPa)
(39-55) min		

345 MPa yield strain

JOB STAMP

04-0120F4
~~04-0120E4~~
04-SF-80-13~~4~~, 13~~8~~
SAS ~~T1 & E2 Foundations~~
SFOBB-ESSSP

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73)

G. RIZZARDO 08 JULY-08

Bridge No _____ Abut or Bent No. _____ Ftg _____ Pile No D107 Sheet No 7

Hammer Make APE/MENCH Model 600/MHU500T E = 550 kN-m Ft-Lbs

Reference Point-Description TOP OF ANNULUS Elev 6.6m

7/2 STAB
7/3 APE 600 VIBRO
7/8 MENCH 9:50

PENET	TIP ELEV	BLOWS / FT
-29.75		
-29.25	22.75	
.5		17
.75		23
-30.00		43
.25		62
.5		51
.75		51
-31.00		43
.25		55
.50		43
.75		39
-32.00		37
.25		39
.5		41
.75		37
-33.00		35
.25		40
.5		33
.75		33
-34.00		30
.25		33
.5		31
.75		27
-35.00		30
.25		28
.5		39
.75		40
-36.00		62

10:28

PENET	TIP ELEV	BLOWS / FT
.25		63
.50		79
.75		85
-37.00		84
37.35	30.85	REFUSAL (blows/25mm)
		10,11,11 > 8

PENET	TIP ELEV	BLOWS / FT

TTD – NORTH

PDA TESTING

DEPARTMENT OF TRANSPORTATION

LOG PILE SHEET

DH-OS C79 (REV. 11 73)

JOB STAMP

04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

THANH LE 07/08/08

Bridge No _____ Abut or Bent No. _____ Ftg _____ Pile No D10 8 Sheet No 8

Hammer Make _____ Model APE 600/MENCK MHU500T E = 550 ~~Ft Lbs~~ kNm.

Reference Point-Description TOP OF ANNULUS Elev 6.5m

7/2 ~~STAB~~
7/3 VIBRO
7/08 MENCK
1531

PENET	TIP ELEV	BLOWS / FT
25.00		
29.50	23.00	
30.00		
25		20
50		27
75		39
31.00		32
25		30
50		30
75		32
32.00		32
25		32
50		33
75		39
33.00		36
25		39
50		25
75		20
34.00		31
25		28
50		26
75		23
35.00		28
35.25		27
50		29
75		26
36.00		29
25		50
50		46

PENET	TIP ELEV	BLOWS / FT
36.75		60
37.00		47.1
25		
50		
75		
38.00		

PENET	TIP ELEV	BLOWS / FT
RESIDUAL		
11, 12, 14		
	1534	
PDA		
PILE CAPACITY	32.0	MN
PILE ENERGY	353	KJ
STRESS CSX/CSI	234/260	