

LOGGED BY S. McLandrich	BEGIN DATE 1-23-08	COMPLETION DATE 1-23-08	BOREHOLE LOCATION (Lat/Long or North/East and Datum) N2120711.703 / E5997096.796 (NAD83)	HOLE ID RW10-A1A
DRILLING CONTRACTOR Gregg Drilling and Testing, Inc.		BOREHOLE LOCATION (Offset, Station, Line) Offset 79ft L Sta 54+48 SB Alignment		SURFACE ELEVATION 14.867 ft (NAVD88)
DRILLING METHOD Mud Rotary		DRILL RIG Failing 1500		BOREHOLE DIAMETER 5 in.
SAMPLER TYPE(S) AND SIZE(S) (ID) MC (2.4"), SPT (1.4"), Shelby (2.87"), Shelby (2.4")		SPT HAMMER TYPE Automatic, 140 lbs., 30-inch drop		HAMMER EFFICIENCY, ERI 72.8%
BOREHOLE BACKFILL AND COMPLETION Neat Cement Grout backfill		GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS 3		TOTAL DEPTH OF BORING 40.5 ft

ELEVATION (ft)	DEPTH (ft)	Material Graphics	Description	Sample Location	Sample Number	Blows per 6 In	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
0	0		CLAYEY GRAVEL (GC), poorly compacted, dark greenish gray, dry, with pieces of brick. [FILL] Grades moist.												
12.87	2				S1	3	1	56							
	3					1									
	4		Lean CLAY with SAND (CL), very soft, greenish gray, moist, trace of gravel.		S2	0	0	100							
10.87	5		5.0', horseshoe.			0									
8.87	6														
	7														
6.87	8		CLAYEY SAND (SC), very loose, dark brown, wet, fine, trace of fine GRAVEL.		S3	0	0	56							
	9					0									
	10		Lean CLAY with SAND (CL), soft, greenish gray, moist.		S4	1	3	78							
4.87	11		Pieces of treated wood at about 11' to 12' in cuttings.			2									
	12		13.0', 1" chert rock fragment.			1									
2.87	13		Poorly graded SAND (SP), medium dense, dark grayish brown, moist, fine to medium, with decayed vegetation. [MARINE SAND]		S5	10	22	100							
	14					9									
	15					13									
0.87	16				S6	5	14	100							
	17					8									
	18		Poorly graded SAND (SP), dense, reddish brown, wet, medium grained, with trace fines. [COLMA SAND]		S7	15	66	100							
-1.13	19					27									
	20		21', cutting show silt/clay lenses.		S8	7	20	100							
-5.13	21					10									
	22		Lean CLAY with SAND (CL), medium stiff, yellowish brown, moist, SAND is fine, with iron-oxide mottling. [COLMA FORMATION]			10									
-7.13	23				S9	4	37	100							
	24		CLAYEY SAND (SC), medium dense, yellowish brown, moist, fine, with iron-oxide mottling. [COLMA SAND]			15									
-9.13	25		SILT (ML), hard, yellowish brown, moist, with iron-oxide mottling. [COLMA FORMATION]		S10	22	51	100							

(continued)

CALTRANS FORMAT DOYLEDRIVE ARUPLOGS 11-2-08.GPJ ARUP LIBRARY CALTRANS FORMAT GLB 11/3/08



Department of Transportation
Division of Engineering Services
Geotechnical Services

REPORT TITLE BORING RECORD				HOLE ID RW10-A1A	
DIST. 4	COUNTY S.F.	ROUTE 101	POSTMILE 8.3/9.4	EA 163701	
PROJECT OR BRIDGE NAME Doyle Drive Replacement Project					
BRIDGE NUMBER N/A		PREPARED BY T. Carroll		DATE 11-3-08	SHEET 1 of 2

Figure

ELEVATION (ft)	DEPTH (ft)	Material Graphics	Description	Sample Location	Sample Number	Blows per 6 in	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	Drilling Method	Casing Depth	Remarks
-11.13	25		CLAYEY SAND (SC), medium dense, yellowish brown, moist, fine to medium, with iron-oxide staining. [COLMA SAND]	X		7									
	14														
	26		Poorly graded SAND (SP), very dense, olive brown, moist, fine, trace fines.			37									
-13.13	28		Poorly graded SAND with CLAY (SP-SC), very dense, yellowish brown, wet, fine.	X	S11	36	40/6"	83							
	29					40/6"	48	100							
-15.13	30		29.5' - 30.0', grades weakly cemented, with less fines.	X	S12	10									
	31					20									
	32					28									
-17.13	32		Poorly graded SAND (SP), very dense, dark yellowish brown, wet, fine to medium, trace fines.	X	S13	26	50/5"	100							
	33					50/5"									
-19.13	34			X	S14	16	79	100							
	35					35									
	36					44									
-21.13	36														
	37														
-23.13	38			X	S15	21	87	100							
	39					37									
	40			X	S16	13	60	100							
	41					27									
	42					33									
-27.13	42	Borehole terminated at a depth of 40.5 feet on 1/23/2008.													
	43	See Boring Record Legend for soil classification chart and key to test data and sampler type.													
	44														
-29.13	44														
	45														
-31.13	46														
	47														
-33.13	48														
	49														
-35.13	50														
	51														
-37.13	52														
	53														
-39.13	54														
	55														



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Figure