

LOGGED BY S. McLandrich	BEGIN DATE 1-4-08	COMPLETION DATE 1-4-08	BOREHOLE LOCATION (Lat/Long or North/East and Datum) N2120594.285 / E5997697.444 (NAD83)	HOLE ID RW19-A1-PZ-D
DRILLING CONTRACTOR Gregg Drilling and Testing, Inc.			BOREHOLE LOCATION (Offset, Station, Line) Offset 261ft L Sta 48+48 SB Alignment	SURFACE ELEVATION 15.379 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")			SPT HAMMER TYPE Automatic, 140 lbs., 30-inch drop	HAMMER EFFICIENCY, ERI 72.8%
BOREHOLE BACKFILL AND COMPLETION 2" dia. Standpipe Piezo Screened 20.0 to 30.0 ft			GROUNDWATER DURING DRILLING AFTER DRILLING (DATE) READINGS	TOTAL DEPTH OF BORING 40 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 SAND (SC), fine to coarse, dark brown, dry, with fine to coarse GRAVEL and pieces of brick and wood. [FILL] 1.0', grades to moist.												Collect bulk samples of top 5' for R-value and corrosion
13.38	2			S1	13 18 15	33	100								
11.38	4		Grades without GRAVEL, bricks, or wood.	S2	4 7 9	16	78								
9.38	6														
7.38	8			S3	7 5 6	11	0								
5.38	10		Dark greenish gray Poorly graded SAND with SILT (SP-SM), very loose, dark greenish gray, wet. [MARINE SAND]	S4	1 2 1	3	100								
3.38	12														
1.38	13		Fat CLAY (CH), medium stiff, very dark gray, moist, with abundant decayed vegetation. [BAY MUD]	S5	0 0 4	4	100					TV = 0.37			
	14		Poorly graded SAND with SILT (SP-SM), very loose, gray, moist, with decayed vegetation. [MARINE SAND]	S6	0 0 0	0	22								
	15		Fat CLAY (CH), soft, very dark brown, moist, with organic CLAY pockets. [BAY MUD]												
	16		Grades trace of fine SAND.	U7			100 psi	100							
	17														
	18		Poorly graded SAND with CLAY (SP-SC), bluish gray, wet, fine to medium. [MARINE SAND]				200 psi								
	19														
	20														
	21														
	22		Fat CLAY (CH), very soft to soft, olive gray, wet, with shells and pockets of CLAYEY SAND. [BAY MUD]												
	23			S8	0 0 0	0	100					TV = 0.15			
	24		CLAYEY SAND (SC), bluish gray. [MARINE SAND]	S9		13	67								
	25														

(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 RW19-A1-PZ-D
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
-10.62	25		Poorly graded SAND with CLAY (CH), medium dense, olive brown, wet, fine to medium, with iron-oxide staining. [COLMA SAND]			4 6 7									
-12.62	28		Poorly graded SAND (SP-SC), medium dense to dense, yellowish brown, wet, fine to medium, trace fines, with iron-oxide staining.		S10	14 23 30	53	100							
-14.62	30		Grades dense.		S11	10 18 28	46	100							
-16.62	32														
-18.62	33				S12	12 50/6"	50/6"	100							
-18.62	34				S13	12 18 23	41	100							
-20.62	36														
-22.62	38		SAND grades very fine to fine, dark yellowish brown.		S14	38 50/ 5.5"	50/5.5"	100							
-22.62	39				S15	18 28 26	54	100							
-24.62	40		Borehole terminated at a depth of 40 feet on 1/4/2008.												
-26.62	41		See Boring Record Legend for soil classification chart and key to test data and sampler type.												
-26.62	42														
-28.62	44														
-30.62	46														
-32.62	48														
-34.62	50														
-36.62	52														
-38.62	54														
	55														



Department of Transportation  
 Division of Engineering Services  
 Geotechnical Services

REPORT TITLE BORING RECORD				HOLE ID RW19-A1-PZ-D	
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 2 of 2

Figure