

Test Location Information:

Exploration: B-34SCPT Date: 10/22/2008
 Surface El.: 7.8 feet Engineer: RCB
 Test Depth: 51.5 feet
 Test El.: -43.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 51.5
 Torque Arm Length: 12 inches Depth of Vane Tip Below Bottom of Hole: 18 in.
 Torque Rate - Undisturbed: 0.1 deg/sec
 Torque Rate - Remolded: 0.1 deg/sec

Undisturbed Condition				Undisturbed Condition			
Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)	Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S _u (psf)
0.5	0	0	0	16	26	0	282
1	3	0	33	17	23	0	250
1.5	3	0	33	18	22	0	239
2	5	0	54	19	21	0	228
3	11	0	119	20	20	0	217
4	11	0	119	21	20	0	217
5	12	0	130	22	19	0	206
6	13	0	141	23	19	0	206
7	14	0	152	24	19	0	206
8	17	0	185	25	19	0	206
9	18	0	195	26	18	0	195
10	19	0	206	27	18	0	195
11	21	0	228	28	18	0	195
12	23	0	250	29	18	0	195
13	24	0	261	30	18	0	195
14	25	0	272	31		0	0
15	26	0	282	32		0	0
		0	0	33		0	0



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FIELD VANE SHEAR TEST REPORT | 2 of 3

Project No.: 1131-08-554
 Project Name: Port Access Road
 Location: Charleston, SC
 Client: SCDOT