

Test Location Information:

Exploration: B-34SCPT Date: 10/21/2008
 Surface El.: 7.8 feet Engineer: MLE
 Test Depth: 8.5 feet
 Test El.: -0.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 8.5
 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	17	0	185
1	1	0	11	17	17	0	185
1.5	3	0	33	18	16	0	174
2	3	0	33	19	16	0	174
3	4	0	43	20	16	0	174
4	5	0	54	21	16	0	174
5	6	0	65	22	16	0	174
6	7	0	76	23	15	0	163
7	9	0	98	24	15	0	163
8	11	0	119	25	15	0	163
9	13	0	141	26	15	0	163
10	14	0	152	27	15	0	163
11	15	0	163	28	15	0	163
12	17	0	185	29	15	0	163
13	18	0	195	30		0	0
14	18	0	195	31		0	0
15	17	0	185	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