

Test Location Information:

Exploration: B-34SCPT Date: 10/22/2008
 Surface El.: 7.8 feet Engineer: RCB
 Test Depth: 35.5 feet
 Test El.: -27.7 feet

Vane and Test Data:

Vane Diameter: 3 5/8 inches Vane Type: Standard Vane
 Vane Constant, k: 0.905 Depth of Vane Tip: 35.5
 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	15	0	163
1	3	0	33	17	14	0	152
1.5	7	0	76	18	13	0	141
2	7	0	76	19	13	0	141
3	8	0	87	20	12	0	130
4	8	0	87	21	12	0	130
5	9	0	98	22	12	0	130
6	10	0	109	23	12	0	130
7	11	0	119	24	12	0	130
8	13	0	141	25	11	0	119
9	15	0	163	26	11	0	119
10	16	0	174	27	11	0	119
11	17	0	185	28	11	0	119
12	18	0	195	29	11	0	119
13	18	0	195	30	11	0	119
14	17	0	185	31	11	0	119
15	15	0	163	32	10	0	109
		0	0	33	10	0	109



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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