

**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

Remolded Condition				Remolded Condition			
Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S <sub>u</sub> (psf)	Degrees of Rotation	Dial Reading (lbs)	Friction (lbs)	S <sub>u</sub> (psf)
1	0	0	0	18	1	0	11
2	1	0	11	19	1	0	11
3	1	0	11	20	1	0	11
4	1	0	11	21	1	0	11
5	1	0	11	22	1	0	11
6	1	0	11	23	1	0	11
7	1	0	11	24	1	0	11
8	1	0	11	25	1	0	11
9	1	0	11	26		0	0
10	1	0	11	27		0	0
11	1	0	11	28		0	0
12	1	0	11	29		0	0
13	1	0	11	30		0	0
14	1	0	11	31		0	0
15	1	0	11	32		0	0
16	1	0	11	33		0	0
17	1	0	11	34		0	0
				35		0	0



www.smeinc.com

620 Wando Park Boulevard  
 Mt. Pleasant, South Carolina 29464  
 Tel 843.884.0005  
 Fax 843.881.6149

**FIELD VANE SHEAR TEST REPORT | 3 of 3**

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