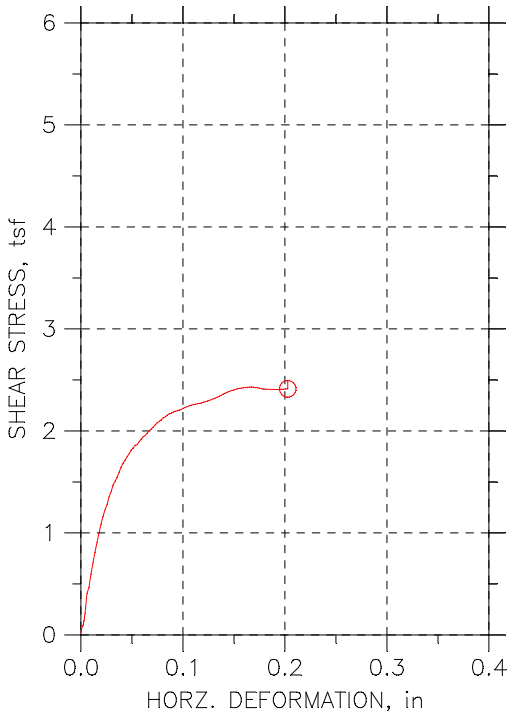
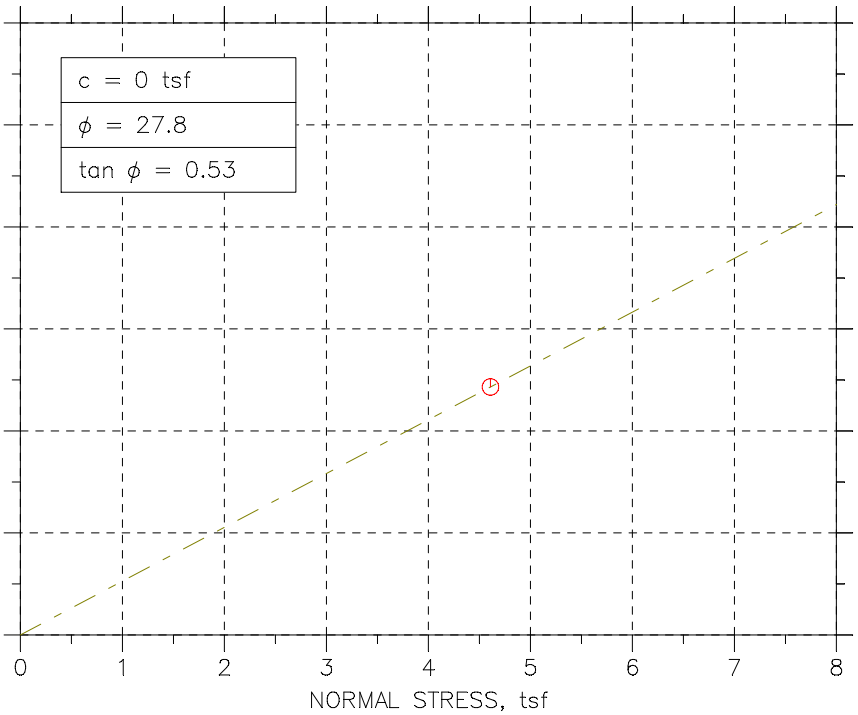
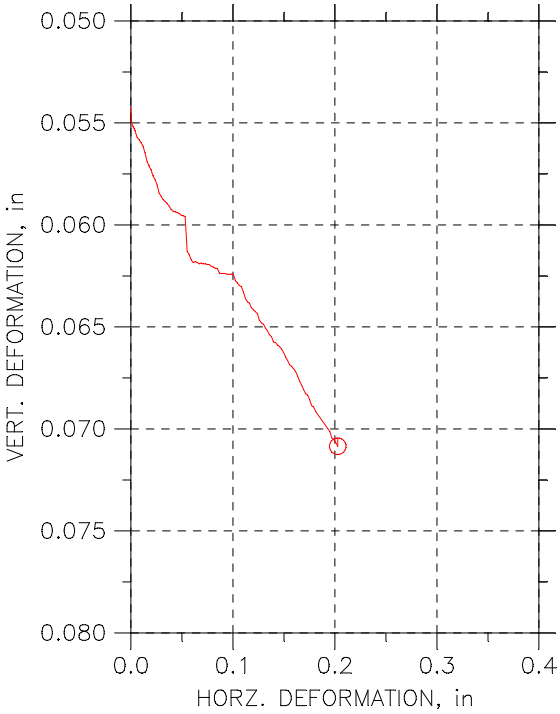
DIRECT SHEAR TEST REPORT







Symbol		⏲			
Test No.		102BOST2A			
Sample No.		OST-2			
Shape		Circular			
Initial	Dimension, in	2.5			
	Area, in^2	4.9087			
	Height, in	1.1811			
	Water Content, %	78.69			
	Dry Density, pcf	53.027			
	Saturation, %	105.18			
	Void Ratio	1.7431			
Consol. Height, in		1.1323			
Consol. Void Ratio		1.6298			
Final	Water Content, %	67.74			
	Dry Density, pcf	56.41			
	Saturation, %	99.99			
	Void Ratio	1.5785			
Normal Stress, tsf		4.6083			
Max. Shear Stress, tsf		2.4309			
Ult. Shear Stress, tsf		2.4127			
Time to Failure, min		944.75			
Disp. Rate, in/min		1.77			
Measured Specific Gravity		2.33			
Liquid Limit		NP			
Plastic Limit		NP			
Plasticity Index		NP			

Project: KINGSTON COAL
Location: TN
Project No.: 60095742
Boring No.: 200 64 psi
Sample Type: REMOLDED

Description: FLYASH - GRAY - RECONSTITUTED FLY ASH FROM 200 SOIL BORINGS

Remarks: TEST PERFORMED AS PER ASTM D 3080

Fri, 05-JUN-2009 16:21:11

DIRECT SHEAR TEST DATA

Project: KINGSTON COAL
Boring No.: 200 64 psi
Sample No.: OST-2
Test No.: 102BOST2A

Location: TN
Tested By: BCM
Test Date: 02/09/09
Sample Type: REMOLDED

Project No.: 60095742
Checked By: WPQ
Depth: NA
Elevation: NA

Soil Description: FLYASH - GRAY - RECONSTITUTED FLY ASH FROM 200 SOIL BORINGS
Remarks: TEST PERFORMED AS PER ASTM D 3080

	Elapsed Time min	Vertical Stress tsf	Vertical Displacement in	Horizontal Stress tsf	Horizontal Displacement in
1	0.00	4.607	0.05421	0	0
2	2.62	4.608	0.05486	0.03937	0.0004318
3	4.20	4.609	0.05495	0.0567	0.0008156
4	7.62	4.608	0.05512	0.08426	0.001199
5	9.10	4.609	0.05512	0.08819	0.001583
6	10.86	4.608	0.05518	0.09449	0.002015
7	12.49	4.609	0.05521	0.1024	0.002399
8	16.67	4.608	0.05524	0.1299	0.002783
9	18.27	4.609	0.05528	0.1433	0.003166
10	22.12	4.609	0.05534	0.1811	0.00355
11	25.17	4.609	0.05537	0.2118	0.003982
12	44.71	4.609	0.05569	0.404	0.005949
13	51.51	4.608	0.05582	0.4701	0.007916
14	64.40	4.608	0.05595	0.5969	0.009883
15	76.38	4.608	0.05615	0.7087	0.01185
16	88.18	4.609	0.05647	0.8111	0.01382
17	99.97	4.609	0.05689	0.9071	0.01578
18	111.77	4.609	0.05711	0.9961	0.01775
19	124.51	4.609	0.0573	1.087	0.01972
20	135.50	4.609	0.05759	1.161	0.02169
21	145.98	4.609	0.05779	1.226	0.02365
22	154.91	4.609	0.05804	1.278	0.02562
23	168.85	4.608	0.05843	1.353	0.02759
24	178.96	4.609	0.05859	1.404	0.02955
25	192.67	4.609	0.05875	1.469	0.03152
26	201.01	4.609	0.05885	1.506	0.03349
27	210.53	4.609	0.05894	1.547	0.03545
28	221.95	4.609	0.05907	1.593	0.03742
29	235.90	4.609	0.05923	1.646	0.03939
30	247.51	4.609	0.05933	1.685	0.04136
31	256.37	4.608	0.05936	1.713	0.04332
32	267.79	4.608	0.05939	1.747	0.04529
33	278.57	4.609	0.05943	1.776	0.04726
34	293.39	4.608	0.05952	1.813	0.04922
35	301.84	4.609	0.05956	1.834	0.05119
36	313.22	4.609	0.05959	1.861	0.05316
37	322.59	4.609	0.06129	1.865	0.05512
38	334.22	4.609	0.06145	1.895	0.05709
39	346.25	4.609	0.06171	1.92	0.05906
40	357.46	4.609	0.06184	1.941	0.06103
41	364.69	4.609	0.06181	1.954	0.06299
42	378.31	4.609	0.06184	1.98	0.06501
43	390.55	4.609	0.0619	2.002	0.06697
44	400.32	4.609	0.06187	2.019	0.06894
45	410.81	4.609	0.0619	2.037	0.07091
46	423.64	4.609	0.0619	2.06	0.07288
47	434.98	4.609	0.06194	2.079	0.07484
48	444.99	4.609	0.06194	2.093	0.07681
49	455.15	4.608	0.06203	2.108	0.07878
50	468.45	4.608	0.06207	2.128	0.08074
51	475.93	4.608	0.06213	2.138	0.08271
52	489.95	4.608	0.06213	2.155	0.08468
53	501.11	4.609	0.06235	2.167	0.08665
54	508.32	4.609	0.06239	2.175	0.08861
55	523.74	4.609	0.06239	2.186	0.09058
56	533.12	4.608	0.06239	2.193	0.09255
57	541.97	4.609	0.06242	2.198	0.09451
58	553.29	4.609	0.06242	2.205	0.09648
59	561.74	4.609	0.06242	2.211	0.09845
60	576.03	4.609	0.06242	2.222	0.1004
61	585.40	4.611	0.06274	2.232	0.1025
62	596.35	4.609	0.06284	2.239	0.1043
63	606.78	4.609	0.06297	2.246	0.1063
64	617.51	4.609	0.06303	2.253	0.1083
65	631.00	4.609	0.06329	2.258	0.1102
66	640.92	4.609	0.06361	2.262	0.1122
67	653.36	4.609	0.06377	2.265	0.1142
68	661.94	4.608	0.06383	2.269	0.1162
69	672.83	4.609	0.06406	2.274	0.1181
70	683.15	4.608	0.06416	2.281	0.1201
71	694.91	4.609	0.06425	2.287	0.1221
72	703.55	4.609	0.06435	2.292	0.124
73	716.18	4.609	0.06467	2.299	0.126
74	728.56	4.608	0.0648	2.306	0.128
75	737.89	4.609	0.06486	2.315	0.13
76	748.01	4.609	0.06506	2.321	0.1319
77	757.60	4.609	0.06519	2.33	0.1339
78	771.29	4.609	0.06538	2.342	0.1359
79	777.88	4.609	0.06548	2.349	0.1378
80	793.69	4.609	0.06573	2.362	0.1398
81	803.39	4.609	0.06577	2.372	0.1418
82	815.07	4.608	0.06589	2.381	0.1437
83	824.60	4.609	0.06596	2.389	0.1457
84	834.60	4.609	0.06609	2.395	0.1477
85	848.18	4.609	0.06625	2.401	0.1496
86	857.87	4.609	0.06647	2.407	0.1516

87	870.01	4.609	0.06663	2.412	0.1536
88	880.86	4.609	0.06686	2.417	0.1555
89	889.87	4.608	0.06692	2.42	0.1575
90	902.18	4.609	0.06705	2.424	0.1595
91	911.41	4.609	0.06718	2.425	0.1614
92	923.06	4.608	0.06741	2.428	0.1634
93	935.54	4.609	0.06766	2.429	0.1654
94	944.75	4.608	0.06786	2.431	0.1673
95	957.37	4.609	0.06808	2.428	0.1693
96	969.58	4.608	0.06828	2.425	0.1713
97	980.87	4.609	0.06834	2.423	0.1732
98	989.15	4.609	0.06856	2.418	0.1752
99	1004.67	4.608	0.06885	2.414	0.1772
100	1010.77	4.609	0.06892	2.41	0.1791
101	1021.03	4.608	0.06914	2.409	0.1811
102	1086.44	4.609	0.06998	2.406	0.193
103	1094.62	4.609	0.07011	2.406	0.1949
104	1111.81	4.608	0.07043	2.41	0.1969
105	1118.64	4.609	0.07053	2.41	0.1989
106	1131.34	4.609	0.07069	2.412	0.2008
107	1143.08	4.608	0.07085	2.413	0.2028