



SOIL BORING LOG

Page 1 of 1

Date 8/6/09

ROUTE FAI 70 (I-70) DESCRIPTION Pedestrian Trail - Bridge LOGGED BY E. Sandschafer

SECTION (25-3)-6 LOCATION SE 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-6010	D E L C U M	Surface Water Elev. N/A ft
Station N/A	P O S I O	Stream Bed Elev. N/A ft
BORING NO. 2 Pier	T W S Qu T	Groundwater Elev.:
Station 2156+38.35	H S Qu T	First Encounter 555.4 ft
Offset 0.50ft Rt		Upon Completion Dry ft
Ground Surface Elev. 567.43 ft	(ft) (/6") (tsf) (%)	After 24 Hrs. 563.0 ft

Topsoil.	567.15					
Brown, CLAY.						
	565.43	13				
Hard, very moist, brown to gray, CLAY LOAM TILL.		27	+4.5	7		
		37	PP			
		20				
		33	+4.5	7		
		42	PP			
		13				
Brown, SILTY CLAY SHALE.	559.43	14	10.2	8		
		15	DNF			
	557.93	27				
Very dense, moist, gray, SANDY CLAY SHALE. Sample broken, unable to test.		50/4		12		
		50/0				
	555.43	50				
Brown, SANDSTONE.		50/3		11		
Very dense, moist, gray, SANDY CLAY SHALE. Sample broken, unable to test.	555.03	50/1				
	554.63	50/1				
Extent of exploration.						
		-15				
		-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 8/6/09

ROUTE FAI 70 (I-70) DESCRIPTION Pedestrian Trail - Bridge LOGGED BY E. Sandschafer

SECTION (25-3)-6 LOCATION SE 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-6010	D E L C U M	Surface Water Elev. N/A ft
Station N/A	P O S I O	Stream Bed Elev. N/A ft
BORING NO. 3 E Abut	T W S Qu T	Groundwater Elev.:
Station 2156+39.85	H S Qu T	First Encounter 554.6 ft
Offset 86.09ft Rt		Upon Completion 557.6 ft
Ground Surface Elev. 571.61 ft	(ft) (/6") (tsf) (%)	After 24 Hrs. 561.0 ft

Aggregate shoulder.	571.11					
Brown, CLAY.						
	569.61	3				
Very stiff, damp, brown, CLAY LOAM TILL.		4	2.6	11		
		4	B			
	567.11	1				
Stiff, damp, gray, SANDY LOAM TILL.		4	1.2	16		
		9	S			
	564.61	9				
Hard, damp, brown, CLAY LOAM TILL.		12	+4.5	9		
		16	PP			
	562.11	8				
Very stiff, damp, brown, SILTY CLAY SHALE.		14	3.3	13		
		18	S			
		7				
		14	5.1	13		
		15	S			
	557.11	11				
Very dense, moist, brown to gray, SANDY CLAY SHALE. Sample broken, unable to test.		50/1		13		
		50/5				
	554.01	50/2		16		
Extent of exploration.		50/1				
		-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 3

Date 8/3/09

ROUTE FAI 70 (I-70) DESCRIPTION Pedestrian Trail - Retaining Wall LOGGED BY E. Sandschafer

SECTION (25-3)-6 LOCATION SE 1/4, SEC. 19, TWP. 8 N, RNG. 6 E, 3 PM

COUNTY Effingham DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. N/A	D E L C U M	Surface Water Elev. N/A ft
Station N/A	P O S I O	Stream Bed Elev. N/A ft
BORING NO. RW1	T W S Qu T	Groundwater Elev.:
Station 2154+96	H S Qu T	First Encounter Dry ft
Offset 173.00ft Rt		Upon Completion 571.6 ft
Ground Surface Elev. 587.03 ft	(ft) (/6") (tsf) (%)	After 96 Hrs. 573.0 ft

Topsoil.	588.83					
Hard, damp, brown, SILTY CLAY.						
		31	9.2	8		
		49	B			
		5				
		32				
		7	+4.5	12		
		50/3		+4.5	5	
		9	PP			
		50/2		PP		
		20				
		6				
		24				
		8	+4.5	11		
		39	PP			
		50	PP			
		26				
Hard, damp, red/gray/brown, CLAY LOAM TILL. Very hard drilling.	580.03	11	6.0	12		
		13	S			
		50/5				
		50/2				
		23				
		16	+4.5	6		
		30				
		50/3				
		50/3				
Samples broken, unable to test.						
		17				
		36	+4.5	7		
		50	PP			
		29				
		50/4				
		18				
		46	9.7	8		
		41	B			
		17				
	547.53					
		40				
	567.03					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)