


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

0130040-76410-20-P1E.DGN AUG. 25, 2009

Page 1 of 3



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/7/08

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Stream, 4.1 miles North of IL 108 LOGGED BY E. Stewart


SECTION 1BR, 1-2BR LOCATION SE 1/4, SEC. 33, TWP. 10N, RNG. 13W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D E L T A			Surface Water Elev.	Stream Bed Elev.	D E L T A		
				(ft)	(in)	(%)			(ft)	(in)	(%)
031-0011 (E) / 031-0040 (P) 216+50	S. Abut 216+20	30.00ft Left	442.5	2	0.66	25			6	7	21
Light Red Medium to Fine SAND (continued) See Gradations @ 20, 25, & 27.5 ft											
			449.0	2	0.62	27			3		
Light Brown/Red Speckled Clay LOAM											
			438.0	3					7	8	NS
Hard Dark Brown CLAY											
			435.5	4	1.29	31			6	7	22
Light Brown CLAY with Red Speckles											
			433.0	3					5	8	20
Hard Dark Brown CLAY											
			430.5	4	1.37	32			13	13	NC
Light Brown Hard CLAY, Mottled with Red											
			425.5	2	1.24	27			11	17	NC
Light Red Fine Loamy SAND See Gradation @ 17.5 ft											
			423.0	4	1.63	24			3	10	NS
Light Red Medium to Fine SAND											

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)

Page 2 of 3



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/7/08

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Stream, 4.1 miles North of IL 108 LOGGED BY E. Stewart


SECTION 1BR, 1-2BR LOCATION SE 1/4, SEC. 33, TWP. 10N, RNG. 13W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D E L T A			Surface Water Elev.	Stream Bed Elev.	D E L T A		
				(ft)	(in)	(%)			(ft)	(in)	(%)
031-0011 (E) / 031-0040 (P) 216+50	S. Abut 216+20	30.00ft Left	442.5	2	0.66	25			6	7	21
Light Gray Fine SAND See Gradation @ 32.5 ft (continued)											
			379.5	7					11	15	NC
Light Gray Loamy Fine to Medium SAND See Gradations @ 55 & 60 ft (continued)											
			368.0	6					7	9	NC
Light Gray Fine SAND See Gradations @ 65 & 70 ft											
			369.0	8					3	7	20
Light Gray CLAY, Speckled with Sand See Gradation @ 50 ft											
			368.5	10	1.24	30			14	14	NC
Light Gray Loamy Fine to Medium SAND See Gradations @ 55 & 60 ft											
			366.0	10					2	6	14
Coarse to Fine SAND See Gradations @ 75 & 80 ft											
			360	17					8	8	NC
			360	18					1		

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)

Page 3 of 3



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/7/08

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Stream, 4.1 miles North of IL 108 LOGGED BY E. Stewart

SECTION 1BR, 1-2BR LOCATION SE 1/4, SEC. 33, TWP. 10N, RNG. 13W, 3 PM

COUNTY Greene DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D E L T A			Surface Water Elev.	Stream Bed Elev.	D E L T A		
				(ft)	(in)	(%)			(ft)	(in)	(%)
031-0011 (E) / 031-0040 (P) 216+50	S. Abut 216+20	30.00ft Left	442.5	2	0.66	25			6	7	21
Coarse to Fine SAND See Gradations @ 75 & 80 ft (continued)											
			358.0	8					17	17	NC
TILL											
			357.0	5					9	9	NC
COAL											
			356.5								
END OF BORING											

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)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SHEET NO. 21	F.A.S. RTE. 739	SECTION 1-2BR	COUNTY GREENE	TOTAL SHEETS 150	SHEET NO. 103
	S.N. 031-0040		CONTRACT NO. 76410		
21 SHEETS		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

H.M. & G. NO. 6020.161