STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 9/21/07

ROUTE FAS 739 DESCRIPTION Eldred-Hillview Road over Cole Creek LOGGED BY E. Stewart

SECTION 401-2BR LOCATION NW 1/4, SEC. 4, TWP. 9N, RNG. 13W, 3 PM

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

STRUCT. NO. 031-0013 (E) / 031-0041 (P)
Station 124+00

BORING NO. SBB-1
Station 124+44
Offset 14.50ft LT
Ground Surface Elev. 452.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 425.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	7			Light Brown Clay LOAM
	5 7	1.30 B/20	14	
	5			
-5	6 7	0.55 S/10	14	
446.5	3			Light Brown SILT A-4(6) See Classification @ 6 ft
	2 0	2.00 P	17	
	1			
-10	2 5	0.77 S/10	19	
	4			
	4 2	0.70 S/5	24	
	1			
-18	1 8	0.40 B/10	21	
436.5	11			LIMESTONE
	18 19	0.37 S/5	11	
434.0	2			Light Gray Silty CLAY
-20	2 2	NC	26	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Light Gray Silty CLAY *(continued)*
	1			
428.5	2			
	2 3	0.67 B/15	24	
-25	3 8	1.14 B/20	25	Light Gray Silty CLAY with Gravel
426.0	3			
	1 1	0.92 B/10	28	Brown and Gray Silty Clay LOAM
424.0	14			
-30	10 9	NC	11	Weathered SHALE and GRAVEL
419.0	2			
-35	1 12	1.56 B/20	25	Light Brown Silty LOAM
414.0	13			
-40	8 9	0.37 S/10	12	Light Gray Weathered SHALE with some Rocks

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)

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Light Gray Weathered SHALE with some Rocks *(continued)*
408.5	15			
	18 21	NC	16	Red and Brown SAND
404.0	7			
-50	7 8	NC	13	Light Brown SAND
398.5	47			
	50 –	NC	9	GRAVEL
393.5	20	2.00	10	
393.0	50/1"	/ P		SHALE
-60		NS		REFUSAL - End of Boring

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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.

SOIL BORING LOGS

SHEET NO. 21	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21 SHEETS	739	401-2BR	GREENE	150	54
		S.N. 031-0041	CONTRACT NO. 76410		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HENRY, MEISENHEIMER & GENDE, INC. CONSULTING ENGINEERS 1075 LAKE ROAD, P.O. BOX 70 CARLYLE, ILLINOIS 62231 (618) 594-3711 WWW.HMGENGINEERS.COM