STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 12/9/70

ROUTE FAP 793 DESCRIPTION IL 143 over Sugar Creek LOGGED BY C. Hoffman

SECTION 40BR-1 LOCATION W 1/2, SEC. 24, TWP. 4N, RNG. 5W, 3 PM

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

STRUCT. NO. 060-0128 (E) / 060-0341 (P)
Station 56+45

BORING NO. 1 W. Abut
Station 56+04.5
Offset 10.50ft RT
Ground Surface Elev. 505.1 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 490.7 ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY		-5	6	0.81 E	21
			8	0.88 B	25
	497.2				
Dark Gray-Black CLAY	495.7	-10	7	0.62 B	29
Gray Silty CLAY	493.2		12	1.35 S	24
Brown and Gray Silty Slighty Sandy CLAY		-15	7	1.17 B	22
			6	1.11 B	21
		-20	4	0.52 B	21
Brown and Gray Silty Slighty Sandy CLAY *(continued)*	480.7	-25	8	1.17 B	26
			15	NS	--
Brown and Gray Clay TILL	478.2	-30	30	1.66 S	25
Brown and Gray Highly Weathered SHALE			96	3.46 S	20
		-35	56	2.60 S	20
			100+	4.50 S	18
			100+	4.47 S	19
	466.2	-40	100+	--	16
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)

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NOTE: Value is "N" Column is the TOTAL Blow Count for the Sample

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-45			
-50			
-55			
-60			

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.

SOIL BORING LOGS

SHEET NO. 19	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
20 SHEETS	793	40BR-1	MADISON	72	51
	S.N. 060-0341		CONTRACT NO. 76A36		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

0600341_76A36_19_BORG.DGN SEPT. 29, 2008
H.M. & G. NO. 6020.101