STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Ill. Dept. of Trans. 0-7

SOIL BORING LOG

Page 1 of 2

Date 10/5/05

ROUTE FAU 8324 DESCRIPTION Trimble Road over Un-named Stream LOGGED BY E. Sandschafer

SECTION (21,BY)B-1 LOCATION SE 1/4, SEC. 27, TWP. 7 N, RNG. 12 W, 3 PM

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

STRUCT. NO. 017-0020
Station 602+21

BORING NO. 2
Station 602+30
Offset 14.00ft Lt
Ground Surface Elev. 496.90 ft

Surface Water Elev. 483.71 ft
Stream Bed Elev. 483.29 ft

Groundwater Elev.:
First Encounter 452.4 ft
Upon Completion 484.4 ft
After 24 Hrs. 486.4 * ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Aggregate shoulder.	496.40				
Brown, SANDY CLAY.	494.90				
Medium, damp, brown, SILTY CLAY.			2		
			2	0.6	19
			2	B	
		-5	1		
			1	0.6	26
			1	B	
Medium to very soft, very damp, gray, SANDY LOAM.	489.60		0		
			2	0.6	14
			2	B	
		-10	0		
			2	0.2	19
			1	B	
			0		
			0	0.3	21
			1	B	
Soft to medium, damp, gray, SILTY LOAM.	482.40				
		-15	0		
			0	0.5	33
			1	B	
			0		
			2	0.8	27
			2		
		-20	0		
Soft to medium, damp, gray, SILTY LOAM. *(continued)*			1	0.9	34
			1	B	
			0		
			1	0.6	28
			2	B	
		-25	0		
			2	0.5	24
			3	B	
			1		
			1	0.5	21
			2	B	
Stiff, damp, tan, CLAY w/ trace Sand.	467.10	-30	2		
			4	1.2	17
			6	B	
Hard, damp, gray, CLAY TILL w/ fine Gravel.	462.40	-35	4		
			8	4.4	16
			13	B	
	457.40	-40	0		

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)

Latitude N 39 deg 01.036 min., Longitude W 87 deg 43.522 min. Map Datum WGS 84

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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to stiff, damp, red marbled gray, SANDY LOAM w/ fine Gravel. *(continued)*			5	1.0	22
			6	PP	
	452.40				
Medium, wet, gray, fine grained, SAND. *3% passing #200 sieve.*		-45	0		
			2		20
			9		
** Note: Sand blow in past auger plug, required washing to remove plug and clean out hollow stems to obtain sample. Augers filled with water.*					
	447.40				
Estimated SANDSTONE. *Trace recovery.*	447.10	-50	50/2"		
Extent of exploration.			50/1"		
			50/1"		
Benchmark: BM 112 Chiseled square on top of SW wingwall of existing structure = 497.52'		-55			
		-60			

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Latitude N 39 deg 01.036 min., Longitude W 87 deg 43.522 min. Map Datum WGS 84

SOIL BORINGS
FAU-8324 (TRIMBLE ROAD) OVER
UNNAMED STREAM
SECTION (21, BY) B-1
CRAWFORD COUNTY
STATION 602+21
STRUCTURE NO. 017-2014

DESIGNED -	DCS
CHECKED -	KWB
DRAWN -	REZ
CHECKED -	KWB

URS

SHEET NO. 5	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 SHEETS	8324	(21, BY) B-1	CRAWFORD	-	14
			CONTRACT NO. 74104		
	FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		