STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 2/16/00

ROUTE FAI 80 DESCRIPTION FAI 80 OVER COLLINS RUN LOGGED BY K.W.

SECTION (32,47-4)R,BR,BR-1,2,3 LOCATION NW 1/4 SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 032-0013 Ex / 032-0104 Prop
Station 186+778.105

BORING NO. 3 WEST ABUT. EBL
Station 186+753.12
Offset 50.80ft RT CL
Ground Surface Elev. 546.99 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 530.0 ft ▼
Upon Completion 532.5 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
BITUMINOUS SHOULDER, GRAVEL BASE Over Gray SILTY CLAY TILL (FILL)					
	544.49				
Mix of Gray SILTY CLAY TILL & Gray CLAY (FILL)			4		
			3	1.0	19
			3	P	
	542.49				
Mix of Very Stiff Black SILTY CLAY & Gay CLAY (FILL)		-5			
			2		
			2	2.2	27
			4	P	
	539.99				
Mix of Stiff Gray CLAY & Gray-Brown SILTY CLAY TILL (FILL)			3		
			4	1.1	25
			4	B	
		-10			
			2		
			2	1.2	26
			2	P	
	535.49				
Stiff Black SILTY CLAY					
			2		
			3	2.0	28
			5	P	
▽					
	531.89	-15			
Soft Black & Gray SILTY CLAY with Gravel Included			1		
			2	0.2	18
			3	P	
	529.99 ▼				
Medium to Dense Brown to Gray Subangular to Angular Coarse GRAVEL			2		
			10		17
			19		
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	526.49		16		
Hard Gray Rocky SILTY LOAM TILL	526.29		23		8
AUGER REFUSAL On LIMESTONE	525.99		100/1.5"		
End of Boring					
		-25			
		-30			
		-35			
		-40			

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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SECTION (32,47-4)R,BR,BR-1,2,3 LOCATION NW 1/4 SW 1/4, SEC. 18, TWP. 34N, RNG. 8E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 032-0013 Ex / 032-0104 Prop
Station 186+778.105

BORING NO. 4 EAST ABUT. EBL
Station 186+799.13
Offset 51.50ft RT CL
Ground Surface Elev. 546.92 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 529.9 ft ▼
Upon Completion 535.5 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
BITUMINOUS SHOULDER, GRAVEL BASE Over Brown-Gray SILTY CLAY TILL (FILL)					
	544.42				
Medium Brown SILTY CLAY TILL (FILL)			4		
			3	0.7	5
			5	P	
		-5			
			4		
	540.92		4	2.0	13
Loose Black LOAM GRAVEL & Black SILTY CLAY with Pebbles (FILL)	539.92		5	P	
Mix of Very Stiff Black SILTY CLAY, Brown-Gray SILTY CLAY TILL & Gray CLAY (FILL)			3		
			3	2.0	14
			6	P	
	537.42				
Very Stiff Black CLAY		-10			
			3		
			4	2.2	29
▽			5	P	
	533.92		3		
Stiff Black CLAY LOAM			3	1.5	26
			4	P	
	532.42				
Medium Dark Gray CLAY LOAM TILL		-15			
	531.42		2		
Medium Brown-Gray CLAY TILL	530.92		2	0.5	32
Loose (Very Soft) Gray Calcareous LOAMY GRAVEL			1	P	
	529.92 ▼				
Medium to Dense Gray SAND & Coarse GRAVEL			3		
			7		14
			9	-	
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to Dense Gray SAND & Coarse GRAVEL *(continued)*			10		
	525.92		12	1.5	10
Dense Gray LOAMY GRAVEL & Very coarse GRAVEL with Large Pieces of Gray SHALE & LIMESTONE			16	P	
			55		
			66		8
			38	-	
	522.42				
Dense (Hard) Gray Calcareous SHALE with LIMESTONE Stringers		-25			
			16		
			35	4.2	12
			100/2.5"	S	
	519.92				
End of Boring			200/1.5"		
		-30			
		-35			
		-40			

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 LOGS I
STRUCTURE NO. 032-0117

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

SHEET NO. 18 OF 19 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	(32,47-4) HBK-4 & G(N)	GRUNDY	351	331
			CONTRACT NO. 66408		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* FAI 80 & FAS 297 / FAU 392

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