CONTRACT NO. 66407

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-3HBR-1	GRUNDY	88	66
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. C4 OF 5 SHEETS

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 6/22/05

ROUTE FAI 80 (Ashley Road) DESCRIPTION Ashley Road Box Culvert LOGGED BY LM

SECTION 32-3HBR-1 LOCATION NE 1/4, SEC. 27, TWP. 34N, RNG. 7E, 3rd PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. none
Station 114+17.59

BORING NO. 1
Station 114+32
Offset 7.00ft Rt
Ground Surface Elev. 554.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 526.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous & Brown Sand & Gravel Fill (Subbase)					
	551.50				
Hand Gray Sandy Clay Loam & Silty Clay Loam Till Fill			5		
			5	4.5	11.8
			7	P	
		-5			
			6		
			5	4.5	9.3
			2	P	
			4		
			4	4.5	14.5
			6	P	
		-10			
			2		
			4	4.0	9.5
			7	P	
	541.00				
Medium Brown Fill Sand w/some Gravel & thin layers and pieces of clay			12		
			12		
			12		5.8
	539.50				
Very Stiff Gray & Brown Sandy Clay Loam Till Fill with layers of Brown Sand and Sandy Loam (Fill)		-15			
			9		
			9	2.5	11.0
			9	P	
	537.00				
Stiff Black Loam to Silty Loam (Fill)					
			2		
			3	1.0	24.2
			3	B	
	534.50	-20			
Stiff Brown Gray Clay Loam to Sandy Loam (continued)			3		
			2	1.0	19.3
			4	P	
	532.00				
Hard Brown/Gray Sandy Clay Loam Till with layers of Silty Clay and Clay (<6") Large Limestone Rock at 28' down.			5		
			6	6.7	13.7
			5	S	
		-25			
			7		
			7		
			9		
			7		
			22	4.0	9.7
			27	P	
	524.50				
Hard Gray Silty Clay Till with layers (up to 6") of Silt and Fine to Medium Sand Large Rock at 39' down		-30			
			6		
			12	4.0	14.2
			16	S	
			10		
			17	4.0	12.6
			21	P	
		-35			
			11		
			17	8.2	9.0
			24	S	
			8		
			16	9.4	11.1
			50	S	
	515.00	-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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 6/22/05

ROUTE FAI 80 (Ashley Road) DESCRIPTION Ashley Road Box Culvert LOGGED BY LM

SECTION 32-3HBR-1 LOCATION NE 1/4, SEC. 27, TWP. 34N, RNG. 7E, 3rd PM

COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. none
Station 114+17.59

BORING NO. 1
Station 114+32
Offset 7.00ft Rt
Ground Surface Elev. 554.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 526.0 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff to Hard weathered and Reworked micaceous Shale and Silt (continued)			12		
			50	2.2	12.4
			100	S	
			/2"		
			50		
			78	4.5	11.0
			100	P	
			/3"		
		-45			
	508.50		75		
Hard Micaceous Shale			100		7.3
			/1"		
		-50			
			100		6.1
			/2"		
	502.50				
End of Boring					
		-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)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

CULVERT ℄ STATION 114+17.59
F.A.I. 80 (I-80)
SECTION 32-3HBR-1
GRUNDY COUNTY

DESIGNED BY: JML DRAWN BY: DJM
DATE: 09/09/05 CHECKED BY: MSW