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

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 / 7	4.5 P	11.8
-5	6		
	5 / 2	4.5 P	9.3
	4		
	4 / 6	4.5 P	14.5
-10	2		
	4 / 7	4.0 P	9.5
541.00	12		
Medium Brown Fill Sand w/some Gravel & thin layers and pieces of clay	12		
539.50	12		5.8
Very Stiff Gray & Brown Sandy Clay Loam Till Fill with layers of Brown Sand and Sandy Loam (Fill)	9		
-15	9 / 9	2.5 P	11.0
537.00			
Stiff Black Loam to Silty Loam (Fill)	2		
	3 / 3	1.0 B	24.2
534.50			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Brown Gray Clay Loam to Sandy Loam (continued)	3		
	2 / 4	1.0 P	19.3
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 / 5	6.7 S	13.7
-25	7		
	7 / 9		
▽	7		
	22 / 27	4.0 P	9.7
524.50			
Hard Gray Silty Clay Till with layers (up to 6") of Silt and Fine to Medium Sand Large Rock at 39' down	6		
-30	12 / 16	4.0 S	14.2
	10		
	17 / 21	4.0 P	12.6
-35	11		
	17 / 24	8.2 S	9.0
	8		
	16 / 50	9.4 S	11.1
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

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

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