Illinois Department of Transportation
Division of Highways
Reynolds Drilling Corp.

SOIL BORING LOG

Page 1 of 1

Date 5/11/09

ROUTE County Road 1000 N DESCRIPTION Bridge Replacement Boring LOGGED BY MER

SECTION 09-23113-00-BR LOCATION SE 1/4, SEC. 28, TWP. 11N, RNG. 2E, 3rd PM

COUNTY Shelby DRILLING METHOD Hollow Stem Auger HAMMER TYPE Hydraulic

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station 9+41
Offset 5.00ft Rt.
Ground Surface Elev. 615.38 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 600.4 ft
Upon Completion 601.4 ft
After .5 Hrs. 601.4 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY LOAM, mixed fill, A-2.			
	5		
	32		12.5
	36		
611.88			
SANDY CLAY LOAM, gray / brown moist silty clay, little sand, A-2.			
	4		
-5	4	1.5	12.4
	3	P	
609.38			
SANDY LOAM, brown / gray moist sandy clay, A-3.			
	3		
	6		19.0
	9		
606.88			
SILTY CLAY LOAM, gray, moist, silty clay, trace sand, trace fine gravel, A-6.			
	6		
-10	5		24.3
	27		
	2		
	3	0.2	20.9
	3	B	
	0		
-15	1		23.0
	1		
	5		
	100	4.4	14.5
		B	
	77	4.8	13.6
595.38 -20		B	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY, gray, moist, hard, trace sand, trace gravel, A-6			
	27		
	100	11.6	13.3
		B	
	67	9.2	13.1
-25		B	
	76	7.8	16.6
		B	
586.88			
SHALE, gray 586.38			
	100	4.5	14.4
End of Boring		P	
-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)

BORING 1

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 1

Date 5/12/09

ROUTE County Road 1000 N DESCRIPTION Bridge Replacement Boring LOGGED BY MER

SECTION 09-23113-00-BR LOCATION SE 1/4, SEC. 28, TWP. 11N, RNG. 2E, 3rd PM

COUNTY Shelby DRILLING METHOD Hollow Stem Auger HAMMER TYPE Hydraulic

STRUCT. NO. _____
Station _____

BORING NO. B-2
Station 10+55
Offset 4.00ft Lt.
Ground Surface Elev. 615.51 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter DRY ft
Upon Completion DRY ft
After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SANDY CLAY LOAM, Fill, dark brown, moist, silty clay, little sand, trace gravel, A-2			
	10		
	14	2.5	13.8
	18	P	
611.51			
SILTY CLAY, gray, moist, silty clay with sand, A-6	2		
-5	3	0.5	19.8
	4	B	
609.51			
SANDY CLAY, brown sandy clay, little to some sand, trace gravel, A-2			
	11		
	70	6.3	11.5
		B	
	48		
-10	100	4.5	12.8
		P	
	100	11.6	10.3
		B	
602.51			
SILTY CLAY, gray, moist, hard silty clay, trace sand, trace gravel, (till), A-6			
	100	13.1	11.6
-15		B	
	92.5	4.5	10.3
		P	
	99	16.0	11.0
-20		B	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY, gray, moist, hard silty clay, trace sand, trace gravel, (till), A-6 *(continued)*			
	100		13.2
592.01			
SHALE, gray			
	100		8.6
-25			
588.51	100		8.8
End of Boring			
-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)

BORING 2

DESIGNED	A.S.L.
CHECKED	S.W.M.
DRAWN	D.T.M.
CHECKED	S.W.M.

BORINGS
STRUCTURE NO. 087-3570

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000956
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 09.0135.130 DATE: 02/08/10

SHEET NO. 9
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
231	09-23113-00-BR	SHELBY	20	20
TOWER HILL ROAD DISTRICT		CONTRACT NO. 95631		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-173(171)		