Illinois Department of Transportation
Division of Highways
Reynolds Drilling Corp.

SOIL BORING LOG

Date 4/1509

ROUTE County Road 700 North DESCRIPTION Bridge Replacement Boring LOGGED BY MER

SECTION 06-00265-00-BR LOCATION Big Spring Twp, SEC. 11, TWP. 10N, RNG. 6E, 3rd PM

COUNTY Shelby DRILLING METHOD Hollow Stem Auger HAMMER TYPE Hydraulic

STRUCT. NO. 087-3014
Station

BORING NO. B-3
Station 192+84
Offset 30.00ft Lt
Ground Surface Elev. 592.75 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion 584.8 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (#6")	UCS Qu (tsf)	MOIST (%)	
LOAM, brown, little to some sand, A-4	1			
	2 3 B	0.3	20.4	
	3			
	2 2 P	0.5	20.5	
586.25				
SAND, medium to coarse, trace gravel, A-1-a 559.25	6			
▽ Borehole continued with rock coring.	47 50	4.5 P	11.7	

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Reynolds Drilling Corp.

ROCK CORE LOG

Date 4/1509

ROUTE County Road 700 North DESCRIPTION Bridge Replacement Boring LOGGED BY MER

SECTION 06-00265-00-BR LOCATION Big Spring Twp, SEC. 11, TWP. 10N, RNG. 6E, 3rd PM

COUNTY Shelby CORING METHOD conventional

STRUCT. NO. 087-3014
Station

CORING BARREL TYPE & SIZE NX

BORING NO. B-3
Station 192+84
Offset 30.00ft Lt
Ground Surface Elev. 592.75 ft

Core Diameter 3 in
Top of Rock Elev. 584.85 ft
Begin Core Elev. 584.85 ft

DEPTH (ft)	CORE	RECOVERY (#)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
SHALE, dark gray to black, clayey, thinly bedded, fissile, moderately hard, dense, fine grain, slightly micaceous, flat bedded, weathered, at top, solid. 583.25	1	58	58	2	26.7
SHALE/CLAYSTONE, gray, massive, soft blocky, solid. 580.45					
Limestone, gray, massive, hard, dense, fine grain, fossiliferous. 579.86					
SHALE/SILTSTONE, light gray, massive, blocky, soft, fine grain, scattered horizontal fractures, slightly weathered at top, contains fine crystaline pyrite. 574.75	2	63	63	2	9.7
End of Boring					

Color pictures of the cores No
Cores will be stored for examination until Yes
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

DESIGNED -	EXAMINED		DATE - 4/19/2012	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOIL BORING LOGS STRUCTURE NO. 087-3555**
CHECKED -		ENGINEER OF BRIDGE DESIGN			SHEET NO. 12 OF 12 SHEETS
DRAWN -	PASSED		REVISED		
CHECKED -		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	06-00265-00-BR	SHELBY	29	29
		CONTRACT NO. 95701		
		ILLINOIS FED. AID PROJECT		