ENGINEERS, INC.
CONSULTING ENGINEERS
2900 N. MARTIN LUTHER KING JR. DRIVE
DECATUR, ILLINOIS 62526

SOIL BORING LOG

Date 07/13/2004

ROUTE _____ DESCRIPTION Bridge Boring LOGGED BY D. Baldwin/T. Mathias

SECTION 03-06130-00-BR LOCATION Sangamon Road Dist. SEC. 10 TWP. 19N RNG. 6E PM

COUNTY Piatt County, IL DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. 074-3101
Station _____
BORING NO. B-1
Station 3+09
Offset CL
Ground Surface Elev. 101.1 ft

Surface Water Elev. 87.5 ft
Stream Bed Elev. 85.5 ft
Groundwater Elev.:
First Encounter 14.5 ft
Upon Completion 5.0 ft
After 0 Hrs 0 ft

DEPTH (ft)		BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	4" Oil & Chip			
	SILTY CLAY LOAM - Dark Brown, moist, stiff, medium plasticity, trace sand, trace gravel, organics - firm	A-6		
		4		
		4		22
		7		
-5		3		
		3		24
		4		
9.5				
-10	SILTY CLAY LOAM - Dark Gray, moist, firm, low-medium plasticity, little sand	A-6		
		2		
10.5		2	.25	20
	SILT LOAM - Dark Gray, very moist, firm, low-medium plasticity, trace sand, trace gravel	A-4		
12.0		2		
	SITLY CLAY LOAM - Brown-Dark Gray, moist, very soft, low-medium plasticity, little sand, trace gravel, organics	A-6		
		1-		
		0	.6	27
		2		
14.5	* free water @ 14.5 ft.			
-15	CLAYEY SAND - Dark Gray, wet-saturated, firm, low plasticity, trace gravel	A-2-6		
		1		
		2	.65	29
		2		
17.0	- creek bed @ 16.0 ft.			
	- wash water added @ 17.0 ft	A-1-A		
	SAND - Brown, saturated, loose, fine-coarse, trace gravel	A-1-A		
		2		
		3		16
		5		
19.5				
-20	SAND - Brown, saturated,	A-1-A		
		4		
	medium dense, fine-coarse, trace gravel			
		10		14
		7		
		8		
		12		21
		14		
-25		6		
		8		19
		11		
		5		
28.0		9		13
	SAND - Gray, saturated, medium dense, fine-coarse, trace gravel	A-1-A		
-30		12		
	- dense	15		14
		17		
	- medium dense			
		17		
		19		11
		17		
-35		8		
		9	6.2	11
		16		
37.0				
	SILTY CLAY LOAM - Gray, moist, hard, low plasticity, trace sand, trace gravel	A-6		
		9		
		19		9
		23		
-40	- sand lenses	16		

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 137 (3/01)

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DEPTH (ft)		BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	(cont.) SILTY CLAY LOAM - Gray, moist hard, low plasticity trace sand, trace gravel	A-6		
		60+		8
		19		
		60+		14
	- 4" sand seam			
45		8		
		13	3.5	9
		17		
		30		
		60+		12
		50		
51.0		60+		9
	END OF BORING @ 51.0 FT. Boring backfilled with spoil and capped with concrete cylinder upon completion			

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BBS 137 (3/01)

DESIGNED	M.D.C.
CHECKED	S.M.S.
DRAWN	D.A.B.
CHECKED	M.G.B.

BORING 1

BORINGS
STRUCTURE NO. 074-3296

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 12-75-0001-i DATE: 12/22/08

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
154	03-06130-00-BR	PIATT	57	33
SANGAMON ROAD DISTRICT		CONTRACT NO. 91385		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		