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

SOIL BORING LOG

Date 06/30/2009

ROUTE _____ DESCRIPTION SKS No. 911640 Bridge Borings - South Shores Dr. over Sand Creek LOGGED BY T. Mathias / A.L. / E.K.

SECTION _____ LOCATION Macon County, Illinois SEC. 25 TWP. 16N RNG. 2E PM

COUNTY Macon DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety Hammer

STRUCT. NO. 058-6003
Station _____

BORING NO. B-1
Station 90+17
Offset 9.0' LT
Ground Surface Elev. 621.4 ft

Surface Water Elev. 621.5 ft
Stream Bed Elev. 599.6 ft

Groundwater Elev.:
First Encounter 591.4 ft
Upon Completion Washed ft
After 24 Hrs 615.9 ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Oil & Chip				
SILTY CLAY LOAM - Dk Gray, moist, low-med. plasticity, tr sand, tr gravel A-6	2.0			
SILTY CLAY LOAM - Dk moist, firm, low plasticity, tr sand, tr gravel A-6		3 2 2		15
	-5	1 3 3		16
	10.0 -10	3 3 5	.9	22
SILTY CLAY LOAM - Dk Gray, moist, firm-stiff, low plasticity, tr sand, tr gravel A-6		2 2 1		27
Depth N = Blows 36.0 ft. 60N = 4" 37.5 ft. 60N = 5.5" 40.0 ft. 60N = 5"	-15	2 2 2	.4	22
		1 2 2		29
	19.5 -20	1		
SANDY CLAY LOAM- Dk Gray moist, very soft-soft, low plasticity, tr sand, tr gravel A-6		1 1		18
		2 1 3	.7	22
	24.5 -25	2 2 3		24
SILTY CLAY LOAM - Gray, moist, firm, low plasticity, tr sand, tr gravel, organics A-6		2 2 2		26
	-30	1 2 4		9
	32.0	4 7 9		7
SAND - Gray, moist, medium dense, fine-med., tr gravel A-1-b	34.5 -35		8.1	4
SILTY CLAY LOAM - Gray, moist, hard, low plasticity, tr gravel A-6	37.0	60+		
SANDY CLAY LOAM - Gray, moist, hard, low plasticity, tr gravel A-6	39.5 -40	60+		7
SILTY CLAY LOAM - Gray,		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 137 (3/01)

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Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM - Gray, moist, hard, low plasticity, tr sand, tr gravel A-6				5
		60+		6
		60+		7
		60+		5
		60+	5.5	4
END OF BORING @ 51.0 FT. BORING BACKFILLED WITH SPOIL & CAPPED WITH CONCRETE CYLINDER UPON COMPLETION				

Depth N = Blows
42.5 ft. 60N = 5"
45.0 ft. 60N = 6"
47.5 ft. 60N = 6"
51.0 ft. 60N = 3"

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The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)

URS
345 EAST ASH AVENUE, SUITE B
DECATUR, ILLINOIS 62526
PH. 217-875-4800

FILE NAME =	USER NAME = Brian K. Nicholson	DESIGNED - MJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG – BORING B-1 STRUCTURE NO. 058-6026	F.A.U. RTE. 7398	SECTION 09-00905-00-BR	COUNTY MACON / TOTAL SHEETS 63 / SHEET NO. 50
		CHECKED - KWB	REVISED -					
	PLOT SCALE =	DRAWN - BKN	REVISED -		SHEET NO. 20 OF 22 SHEETS		CONTRACT NO. 95687	
	PLOT DATE =	CHECKED - KWB	REVISED -				ILLINOIS FED. AID PROJECT	