(P)	Illinois of Tran	Departme sportatio	ent
/ (A)	of Tran	sportatio	n

SOIL BORING LOG

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Division of Highways Geotechnology, Inc	atiOi							Date	8/3	1/09
Oswald Bridge over ROUTE Sugar Creek	DESCRI	PTIO	1	. ,		L	ogg	ED BY	<u>M</u> -	ΤE
SECTION				SEC.	, TWP. , RNG.					
COUNTY Madison County DRILL	ING ME	THOD			HSA and MR HAMME	R TYPE		. <u>A</u>	uto	
STRUCT, NO	D E P	B L O W	U C S	M O 1 S	Surface Water Elev. Stream Bed Elev.	ft	D E P T	B L O W	U C S	M O I S
BORING NO. B-4	H	S	Qu (tsf)	T (%)	Groundwater Elev.: First Encounter 467.: Upon Completion After Hrs.	π	H (ft)	S (/6")	Qu (tsf)	T (%)
Asphalt - 2 inches	8:3	3			Soft to medium stiff, gray, CLAY, trace gravel	466.0		0		
		5 6		17				0	0.3 B	22
		1 4	1.0	18				0	0.7	28
Medium stiff, brown, SILTY CLAY, trace sand	1.5 -5	5	S			٠.	-25	2	·B	
			<u> </u>					0	0.3 B	31
				ļ —				0		
	-10	1 1	0.6 B	24			-30	0	0.4 B	31
	·	0								
		1	0.4 B	23						
		1 3	1.4	21				0	0.6	39
	<u>-1</u>	4	В				-35	2	В	-
		0	1.0	23	Madium affif to colf provi CAND	449.6				
,		1	В	-	Medium stiff to soft, gray, SAND CLAY, trace gravel	ī		6		

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)

- * Rimac attempted, not measured due to sample disturbance
 ** Not measured due to drilling methods used



SOIL BORING LOG

Page <u>2</u> of <u>2</u>

	_ DE	SCRI	PTIO	٨			L	.OGG	ED BY	M	TE_
SECTION	•	_ L	OCA1	ION_	SEC.	, TWP. , RNG.		4 .			
COUNTY Madison County DRI	LLIN	G ME	THOD)		HSA and MR	HAMMER TYPE		A	uto	
STRUCT. NO		D E P T H	BLOWs	บ c g	M O I S T	Surface Water Elev. Stream Bed Elev. Groundwater Elev.: First Encounter	ft	D E P T H	BLOWS	၁၀၈ ဦ	M O I S
Station 24+40.5 Offset Ground Surface Elev. 486.5	 ft	(ft)	_	(tsf)	(%)	Upon Completion After Hrs	467.5 π.Ψ. ft	1	(/6")	(tsf)	(%
Medium stiff to soft, gray, SANDY		10.4	(,,,	(10.7	(,,,	Stiff to hard, bluish-gray trace sand (continued)	CLAY,	1.7		, , ,	
CLAY, trace gravel (continued)						trace sand (conumbed)	•				
	-						•				

			4			bluish-green, shaley			50/6"		25
		-45	0					-65			_
							•				
	439.5					Coll CUALE	419.	5			
Stiff to hard, bluish-gray CLAY, trace sand						Soft, gray, SHALE					
•			4				417.	5	50/4"		
•		-50	6 7	4.5 B	21	End of Boring		-70	,		
							•				
							*				
			4						}		
			5	1.8 B	21			75			
		-55	-	-					1		
			27				:				

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)

* Pince attempted, not measured due to sample disturbance
BBS, from 137 (Rev. 8-99)

- * Rimac attempted, not measured due to sample disturbance
 ** Not measured due to drilling methods used

USER NAME =	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN -	REVISED -	
PLOT DATE =	CHECKED -	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

S0	IL	В	OR	IN	G	LOGS		
STRUC	CTI	JR	E	NO). Q	6033	46	
SHEET	N	0.	14	OF	14	SHEETS		

COUNTY TOTAL SHEETS NO.

MADISON 25 21 TWP Road 305A 06-11114-00-BR CONTRACT NO.