(P)	Illinois of Tran	Department sportation
/ (A)	of Iran	sportation

SOIL BODING LOG

Page <u>1</u> of <u>2</u>

Of I ranspor	tat	IOI	ı		3 C	IL BOKING LOC	•	Date	9/2	/09
Division of Highways Geotechnology, Inc Oswald Bridge over ROUTE Sugar Creek	DES	SCRI	PTION	ı			LOGG	ED BY	MTE	/LAH
SECTION								.,		
COUNTY Madison County DRII						HSA and MR HAMMER TYPE	i	A	uto	
STRUCT. NO.		D	В	U	М	Confess Motor Elay ff	D	В	U	M
Station	-	E	L O	Č S	0	Surface Water Elev. ft Stream Bed Elev. ft	E.	L O	C S	0
BORING NO. B-1 Station 23+01.5	_ ·	T H	w	Qu	S	Groundwater Elev.:	T H	W	Qu	S
Station 23+01.5 Offset						First Encounter 462.0 ft J Upon Completion ft	1	11611	/4×6\	
Ground Surface Elev. 487.0		(ft)	(/6")	(tsf)	(%)	After Hrs. ft Medium stiff, brown, SILTY CLAY 466	(ft)	(/6")	(tsf)	(%)
Asphalt - 4 inches Brownish-gray CLAY (FILL), some	486.7.	·				(continued)	5			,
sand and gravel			3		12	Soft, brownish-gray CLAY, with sand pockets		0	0.5	26
			3 6		12			ŏ	В	
					 			0		
•		 شــ						0	0.3 B	27
			ļ	ļ	├		▼-25	-	Б	
								1		
			1 1	0.6	20			0		27
			2	В				0		
			ł				<u></u>	-		
•			1_		<u> </u>			3		- 04
		-10	1		30		-30	2 5		21
				 	1			1		•
Stiff to medium stiff, gray to brown	476.0		2					-		
CLAY			3	1.3	20	1		1		
			4	В	-			-		
			1			\$ 1	-	1		
,			1 3	0.7	24			0	 	35
•		1	2	В			-3	5 0	ļ	
,			-				-	1		
			0]		
			1 2	0.7 B	24		******	-		1
	469.0		ļ -	1				7		
Medium stiff, brown, SILTY CLAY			-				-	1		
			0	0.6	27			3 4	0.5 B	19
		-2	0	B	1		-4	0 4	l D	

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 2 of 2

Of Iranspol						DIL BORING LOG		I	Date	9/2	2/09
ROUTE Sugar Creek	DES	SCRI	PTION	٠			LO	GGE	D BY	MTE	/LA
SECTION		L	OCAT	ION_	SEC.	, TWP. , RNG.					
COUNTY Madison County DRI	LLING) ME	THOD)		HSA and MR HAMMER TY	PE _		Αι	uto	
STRUCT. NO Station	: : 	P	0	ប្រទ	M O I	Surface Water Elevft Stream Bed Elevft	-	D E P	вго	n C S	M
BORING NO. <u>B-1</u> Station <u>23+01.5</u> Offset Ground Surface Elev. <u>487.0</u>	 	H (ft)	- W S (/6")	Qu (tsf)	S T (%)	Groundwater Elev.: First Encounter	1	H (ft)	W S (/6")	Qu (tsf)	S T (%
Soft, brownish-gray CLAY, with sand pockets (continued)			(-,		(17)	Soft, bluish-gray, highly weathered SHALE (continued)	 				
Stiff to very stiff, bluish-gray	445.0		٠				-	\exists			
CLAY, trace gravel			3			,,-	- 23.0	\exists	50/1"		
		<u>-45</u>	4 7		22	End of Boring	20.0	-65			12
							-				
						ing.	· -				
			6	4.3	20						
	. •	50		S	-		-	-70		,	
							-				
							_	4			
			3 4 5	1.6 B	22		-	-75			
			<u></u>	- .			-				
Soft, bluish-gray, highly weathered	430.0		1					믭			
SHALE	,		50/5'				-	-			

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)

* Piece 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

SOIL BORING LOGS	TWP Road	SECTION	COUNTY	TOTAL		
STRUCTURE NO. 060-3346	305A	06-11114-00-BR	MADISON	25		
31NUCTURE NO. 000-3340			CONTRACT	NO.		
SHEET NO. 11 OF 14 SHEETS	ILL INOIS FED. AID PROJECT					