Division of Highways Geotechnology, Inc Oswald Bridge over Sugar Creek	DES	CR	PTION	4.		· · · · · · · · · · · · · · · · · · ·	LC	OGG	Date ED BY		
						, TWP. , RNG.					
					HSA and MR HAMMER TY						
STRUCT. NO Station 3ORING NO Station23+41	-	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev Stream Bed Elev. Groundwater Elev.: First Encounter467.5 Upon Completion	ft ft ft ▼	D E P T H	· · · · · · · · · · · · · · · · · · ·	∵U C S Qu	M O I S T
Offset Ground Surface Elev	ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)
Crushed limestone GRAVEL	86.5		2		19	Medium stiff, brownish-gray, CLAY LOAM (continued)			1	0.6	24
	-		- 5		19				1	S.U	2.7
	-		2			Soft, brownish-gray CLAY, with sand seams	464.0		0		
	-	_	2		19				1		26
	~	5 						<u>25</u> 	0		
· · · /	480.0								0		26
Stiff, brownish-gray, SILTY CLAY									0		
wood fragments		-10	0 1 2		28			-30	0 1 0		21
	-	 	2								
clay seam	•		2 4	1.1 S	20						
	-		2						0		
	-	-15	2 3 4		22			-35	0	0.4 S	24
Stiff, brownish-gray CLAY	<u>471.5</u> .		0	1.9	25				-		
	•	•••••	3	В	ļ]		
Medium stiff, brownish-gray,	469.0		1								

P **Illinois Department** of Transportation Division of Highways Geotechnology, Inc Oswald Bridge over Sugar Creek ____ DESCRIPTION ROUTE SECTION _ LOCATION _ SEC. COUNTY Madison County DRILLING METHOD D в U M STRUCT. NO. С 0 Station 0 S W S BORING NO. B-2 H S Qu т Station 23+41 Offset (ft) (/6") (tsf) (%) Ground Surface Elev. 487.0 ft Soft, brownish-gray CLAY, with sand seams (continued) 445.0 Very stiff to stiff, bluish-gray CLAY 3 20 5 7 4 7 3.3 19 -50 7 S 3 5 1.5 23 -55 9 S 430.0 Soft, bluish-gray, highly weathered SHALE -----16 22 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)

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

DESIGNED -REVISED -USER NAME = LUNCE Eastport Business Center 1 100 Lanter Court, Suite 1 Cotingvile, 8, 62224 Inf 618,345,2200 /ax 618,345,7233 MISSOLIFI Lacledie Gass Building 720 Oikve, Suito 1860 St. Louis, MO 83101 tef 314.588.8381 fax 314.588.9505 CHECKED REVISED -PLOT SCALE = DRAWN REVISED BATES ASSOCIATES CHECKED -REVISED -PLOT DATE =

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

COUNTY TOTAL SHEET SHEETS NO. MADISON 25 19 TWP Road 305A SECTION SOIL BORING LOGS 06-11114-00-BR STRUCTURE NO. 060-3346 CONTRACT NO. SHEET NO. 12 OF 14 SHEETS ILLINOIS FED. AND PROJECT

BBS, from 137 (Rev. 8-99)

SOIL BORING LOG

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

					Date	9/3	8/09	
			LC	GGG	ED BY	<u> </u>	₩	
	, TWP., RNG.		÷.,					
1	HSA and MR H	AMMER	IYPE		<u>A</u>	uto		
	Surface Water Elev		ft	D	в	U	M	
	Stream Bed Elev.		ft	E P	L O	C S	0	
	Groundwater Elev.:			T H	W S	Qu	S T	
	First Encounter	467.5	ft.⊻. ft					
	After Hrs.		ft	(ft)	(/6")	(tsf)	(%)	
	Soft, bluish-gray, highly w SHALE (continued)	eathered		_				
	End of Boring		423.0		50/4"		10	
				-65				
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				-80				

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