Illinois Dep of Transpor	ways	mer ion	ıt	sc	DIL BORING LOG				of <u>2</u> 06/12
ROUTE FAP 312 DE	SCR	IPTION	I	aterloc	Bypass - Shared Use Culvert Boring Lu	ogg	ED BY	SCI	(TT)
SECTION68-WRS-1	1			NW 1/	4 of the NE 1/4, SEC. 36, TWP. 2S, RNG.	10W			
COUNTY Monroe DRILLIN	G ME	THOD		CI	ME 750 w/HSA HAMMER TYPE		Auto	omatic	
STRUCT. NO. 067-2427 Station 2019+30 BORING NO. B-201 Station 2019+17 Offset 25 ft LT Ground Surface Elev. 625.1	D E P T H	O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. N/A ft Stream Bed Elev. N/A ft Groundwater Elev.: First Encounter First Encounter Not Obs. ft Upon Completion 580.4 ft After Hrs. Not Obs. ft	D E P T H	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
TOPSOIL - 2 inches			• •		CLAY: Gray, with iron stains, trace sand and gravel				
FILL: Brown, clay, with cinders and crushed rock [A-7]		2 1 3	0.8 P	21	[A-7-6] (<i>continued</i>) Trace lignite nodules		2 4 5	1.5 B	25
FILL: Brown, silty clay, with cinders and crushed rock, trace gravel [A-6]		2 3 4	1.8 P	23	Becomes brown, sandstone fragments observed		6 9 12	3.1 S/20	20
SILT: Gray, with iron stains A-4] CLAY: Gray, with iron stains, race sand and gravel A-7-6]		WOH 2 1	0.2 B	28	SILTY CLAY: Greenish gray, with sand, trace gravel [A-6]		3 5 10	4.7 S/20	18
Silty clay layer observed		WOH 2 2	0.7 B	24	Trace coal		2 4 5	2.2 B	17
Trace iron nodules		1 3 5	2.7 B	22	CLAY: Gray, trace sand and gravel [A-7]		-		
		-	2.1 S/4.7	20			1 3 4	1.4 B	19
		3 5 7	3.3 B	21			-		
	-20	3 4 6	3.0 B	20			1 3 4	1.6 B	19

Illinois Department of Transportation Page <u>2</u> of <u>2</u> SOIL BORING LOG Division of Highways SCI Engineering Date 04/06/12 ROUTE FAP 312 DESCRIPTION Waterloo Bypass - Shared Use Culvert Boring LOGGED BY SCI (TT) SECTION 68-WRS-1 LOCATION NW 1/4 of the NE 1/4, SEC. 36, TWP. 2S, RNG. 10W CME 750 w/HSA HAMMER TYPE Automatic COUNTY ____ Monroe DRILLING METHOD BU LC OS D STRUCT. NO. 067-2427 Е 2019+30 Station P Т W BORING NO. B-201 н S Qu
 Station
 2019+17

 Offset
 25 ft LT

 Ground Surface Elev.
 625.1
ft (ft) (/6") (tsf) CLAY: Gray, trace sand and gravel [A-7] (continued) With sand 2 1.6 B ____ 4 <u>∑</u>_-45 5 Auger refusal at 46 ft. SANDSTONE: Gray 50/1"/ Sampler refusal at 46.1 ft. Boring grouted to 46.1 ft. -50 -55 _ -60

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

HORNER & SHIFRIN, INC.	ad\S_Plans\0672427-76817.dgn USER NAME = elagemann PLOT SCALE =	DESIGNED CHECKED DRAWN - E.M. Lagemann	REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOG Structure NO. 06
ENGINEERS	PLOT DATE = 1/25/2013	CHECKED - K.L. Hayes	REVISED		SHEET NO. 15 OF 20 S

м	0 C	51/A	
0	Surface Water Elev. Stream Bed Elev.	<u>Ν/Α</u> π Ν/Α π	
1			
S T	Groundwater Elev.:		
	First Encounter Upon Completion	<u>Not Obs.</u> ft 580.4_ft ∑	
(%)	After Hrs.	Not Obs. ft	
19			
5 /			

DGS	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
067–2427	312	68-WRS-1	MONROE	760	428		
007-2427	CONTRACT NO. 76817						
20 SHEETS	ILLINOIS FED. AID PROJECT						