FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-15VB-1 & 2	MADISON	149	109
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 42
45 SHEETS

Contract #76634

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3

Date 5/01

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0311
Station

BORING NO. RR-SB 1
Station 39+123
Offset 19.50m LT CL
Ground Surface Elev. 185.85 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 183.1 m ▼
Upon Completion m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray and Brown SILTY CLAY			2		
			3	153	
			3	B	29
	184.6				
Gray SILTY CLAY LOAM		-1.5	2		
			2	134	
			4	S/15	28
	183.7				
Gray LOAM			3		
			5	268	
			7	S/10	21
	183.1 ▼				
Gray CLAY LOAM		-3.0	3		
			4	134	
			5	S/10	21
			2		
			2	115	
			3	S/5	25
		-4.5	2		
			3	105	
			2	S/15	18
			5		
			13	230	
			14	S/10	14
		-6.0			
Gray CLAY LOAM (continued)			10	230	
			10	S/15	13
			12		
			7		
			10	374	
			13	B	11
		-7.5	8		
			10	335	
			16	S/15	10
			8		
			13	402	
			15	S/15	10
		-9.0	7		
			17	249	
			25	S/10	10
		-10.5	6		
			7	383	
			13	S/10	16
		-12.0			

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 3

Date 5/01

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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Station

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Station 39+123
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Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 183.1 m ▼
Upon Completion m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray CLAY LOAM (continued)			4	345	
			5	B	21
	173.5		14		
Gray SILTY CLAY					
		-13.5	7		
			10	469	
			17	S/20	20
		-15.0	4		
			6	192	
			10	S/10	25
	170.2				
Gray CLAY LOAM					
		-16.5	4		
			6	364	
			11	S/15	21
		-18.0			
Gray CLAY LOAM (continued)			6	211	
			11	S/10	20
			13		
		-19.5	8		
			10	316	
			14	B	21
	165.7				
Gray SILTY CLAY					
		-21.0	0		
			0	67	
			5	S/15	28
		-22.5	5		
			8	211	
			10	S/10	24
		-24.0			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation
Division of Highways
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SOIL BORING LOG

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Date 5/01

ROUTE FAP 310 DESCRIPTION IL 255 over Railroad Tracks LOGGED BY Larry Ford

SECTION 60-15VB-1,2 LOCATION SEC. 23, TWP. 6N, RNG. 10W, 3 PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 060-0311
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BORING NO. RR-SB 1
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Stream Bed Elev. m

Groundwater Elev.:
First Encounter 183.1 m ▼
Upon Completion m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray SILTY CLAY (continued)			4	249	
			7	S/15	24
			9		
		-25.5	10		
			14	412	
			19	S/15	21
		-27.0	13		
	158.7		26	316	
			48	S/10	16
Brown and Gray Very Weathered SHALE	158.2				
Brown and Gray SHALE					
		-28.5	50/4"		
				NC	9
	155.8-30.0				
End of Boring			50/2"		8
				NC	

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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

FAP ROUTE 310
SECTION 60-15VB-1 & 2
MADISON COUNTY

$$DATE$$
DATE-TIME
p:\DOTfiles$(n)$(d)(y)(h)(m)(s)(j)(w)(c)(u)(p)(x)(f)(e)(a)(o)(t)(i)(b)(r)(g)(v)(l)(k)(z)(q)(s)(m