FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-15VB-1 & 2	MADISON	149	110
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 43
45 SHEETS

Contract #76634

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 53102

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 3
Station 39+141
Offset 16.50m LT CL
Ground Surface Elev. 186.95 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 182.5 m ▼
Upon Completion m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
RR Fill with Large Ballast (plugged end of spoon)			3		
			1		
			3	NR	
	185.8				
Brown and Gray Silty CLAY		-1.5	1		
			3	96	
			5	B	28
			3		
			3	172	
			5	S10	25
		-3.0	2		
			3	163	
			4	S15	23
	183.5				
Gray Clay LOAM			2		
			3	163	
			4	S15	22
	182.5 ▼	-4.5	2	182	18
			3	S5	
Brown Clay LOAM			5	192	21
				S15	
			3		
			5	172	
			6	S10	20
	181.3				
Gray Clay LOAM		-6.0	4		
Gray Clay LOAM (continued)			6	230	
			10	S15	13
			5		
			9	316	
			12	S15	12
		-7.5	9		
			12	354	
			17	S10	10
			10		
			17	508	
	178.4		27	S10	9
Gray Fine to Coarse SAND with some Gravel		-9.0	5		
See Gradation @ 10.5 m (35.5 ft)			13		
			21	NC	14
		-10.5	6		
			13		
			19	NC	12
	175.6				
Gray Clay LOAM		-12.0	9		

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 2

Date 53102

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 3
Station 39+141
Offset 16.50m LT CL
Ground Surface Elev. 186.95 m

Surface Water Elev. m
Stream Bed Elev. m

Groundwater Elev.:
First Encounter 182.5 m ▼
Upon Completion m
After Hrs. m

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray Clay LOAM (continued)			17	575	
			23	B	10
		-13.5	8		
			9	297	
			14	S15	15
		-15.0	6		
	171.8		8	393	19
			11	B	22
Gray Silty CLAY				268	
				S15	
	170.9				
Brown and Gray Clay LOAM		-16.5	6		
			6	278	
			9	S10	22
		-18.0	10		
Brown and Gray Clay LOAM (continued)			16	469	
			16	S10	18
		-19.5	4		
			7	383	
	167.2		9	S10	18
End of Boring		-21.0			
		-22.5			
		-24.0			

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)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

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

$$DATE$$
DATE-TIME
p:\00files\000024\Railroad-Bridge\SN060-0311 Plans\060-0311SoilBorings.dgn
*REF-
*REF-