FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-15VB-1 & 2	MADISON	149	67
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 36

36 SHEETS

Contract #76634

060–0310

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3

Date 1/1/02

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. 060-0310
Station

BORING NO. RR-SB 8
Station 39+195.83
Offset 20.13m RT CL
Ground Surface Elev. 184.75 m

Surface Water Elev. m
Stream Bed Elev. m

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

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray SILTY CLAY			2		
			3	67	
			4	S/15	26
	183.5				
Gray SILTY CLAY LOAM		-1.5	2		
			3	125	
			4	S/10	22
	182.8				
Gray SILTY CLAY			3		
			4	125	
			5	S/15	24
	181.9				
Brown and Gray CLAY LOAM		-3.0	2		
			4	153	
			4	S/10	23
			3		
			4	172	
			5	S/10	21
		-4.5	3		
			3	125	
			5	S/10	20
			3		
			3	38	
			4	S/10	16
		-6.0			
Brown and Gray CLAY LOAM (continued)			6	346	
			11	S/20	10
			13		
			8		
			14	402	
			19	S/10	10
		-7.5	7		
			6	402	
			5	S/10	11
	176.8				
Gray SAND See Gradation @ 8.0m			17		
			23		
			24	NC	12
	176.0				
Gray LOAMY SAND		-9.0	19		
			22	182	
			25	S/5	10
	175.1				
Gray LOAM			12		
		-10.6	15	575	
			19	S/20	11
	173.6				
Gray CLAY					
		-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 1/1/02

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. 060-0310
Station

BORING NO. RR-SB 8
Station 39+195.83
Offset 20.13m RT CL
Ground Surface Elev. 184.75 m

Surface Water Elev. m
Stream Bed Elev. m

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

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray CLAY (continued)			5	316	
			9	B	20
			14		
	172.1				
Gray CLAY LOAM					
		-13.5	5		
			7	230	
			9	S/10	24
		-15.0	9		
			15	527	
			39	B	19
		-16.5	5		
			9	335	
			12	S/15	21
		-18.0			
Gray CLAY LOAM (continued)			3	192	
	166.4		5	S/10	24
			9		
Gray CLAY					
		-19.5	5		
			7	278	
			9	S/10	22
		-21.0	7		
			9	316	
			12	S/10	24
		-22.5	10		
			12	498	
			18	S/15	19
		-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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 3 of 3

Date 1/1/02

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. 060-0310
Station

BORING NO. RR-SB 8
Station 39+195.83
Offset 20.13m RT CL
Ground Surface Elev. 184.75 m

Surface Water Elev. m
Stream Bed Elev. m

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

Description	Elev.	DEPTH (m)	BLOWS (/150 mm)	UCS Qu (kPa)	MOIST (%)
Gray CLAY (continued)			10	450	
			15	S/15	19
			24		
		-25.5	10		
			14	249	
			27	S/10	18
	158.0				
Brown and Gray SHALE		-27.0	45		
	157.6		50/1"	441	11
				S/10	
End of Boring					
		-28.5			
		-30.0			

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 60-15HB
MADISON COUNTY

$$DATE$$
DATE-TIME
p:\000files\000024\Railroad-Bridge\SN060-0310 Plans\060-0310SoilBorings.dgn
*REF-
*REF-