12/10/2007 12:12:18 PM

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.P. 310	*	MADISON	239	169
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 47
48 SHEETS

* 60-15HB-1 CONTRACT NO. 76635

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 5-4-01

ROUTE FAP 310 DESCRIPTION IL 255 over Humbert Road LOGGED BY Larry Ford

SECTION 60-15HB-1 LOCATION NE 1/4, SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0309
Station
BORING NO. HR-SB 3
Station 38+857.5
Offset 12.50m LT CL
Ground Surface Elev. 188.12 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m
Groundwater Elev.:
First Encounter ____ m
Upon Completion ____ m
After ____ Hrs. ____ m

DEPTH (m)	BLOWS (150 mm)	UCS Qu (kPa)	MOIST (%)
Gray and Brown Silty CLAY A-7-6(17) See Soil Test Data Sheet			
	3		
	4	153	
	4	S-5	29
-1.5	2		
	5	153	
186.3	7	S-10	27
Brown and Gray Silty Clay LOAM A-6(10) See Soil Test Data Sheet	4		
	5	249	
	6	S-20	22
-3.0	3		
	3	125	
184.7	5	S-15	24
Gray Clay LOAM A-4(8) See Soil Test Data Sheet	3		
	4	163	
	5	S-15	20
-4.5	3		
	5	211	
	5	S-10	20
	4		
	4	153	
-6.0	4	S-10	21
Gray Clay LOAM A-4(8) See Soil Test Data Sheet (continued)	4		
	4	144	
	7	S-15	15
-7.5	5		
	7	268	
180.3	9	S-15	12
Gray Fine SAND with some Gravel See Gradation @ 8.1 m (26.5 ft) 179.9	5		18
	10	NC	
Gray Clay LOAM	13	163	12
179.4		S-10	
Gray Sandy Clay LOAM	4		
	5	192	
	7	S-10	12
178.5			
Gray Gravelly SAND See Gradation @ 10.2 m (33.5 ft)			
177.6 -10.5	30		6
	18	NC	
Gray Clay LOAM	20	316	12
177.0		B	
Gray Silty CLAY			
-12.0	10		

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 5-4-01

ROUTE FAP 310 DESCRIPTION IL 255 over Humbert Road LOGGED BY Larry Ford

SECTION 60-15HB-1 LOCATION NE 1/4, SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0309
Station
BORING NO. HR-SB 3
Station 38+857.5
Offset 12.50m LT CL
Ground Surface Elev. 188.12 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m
Groundwater Elev.:
First Encounter ____ m
Upon Completion ____ m
After ____ Hrs. ____ m

DEPTH (m)	BLOWS (150 mm)	UCS Qu (kPa)	MOIST (%)
Gray Silty CLAY (continued)	12	651	
	18	S-15	20
-13.5	7		
	10	422	
174.0	14	S-10	21
Gray and Brown Clay LOAM			
-15.0	8		
	11	441	
	15	S-10	20
-16.5	8		
	8	498	
	26	S-15	17
-18.0	10		
Gray and Brown Clay LOAM (continued)			
169.8	18	489	
	22	B	17
End of Boring			
-19.5			
-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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 5-3-01

ROUTE FAP 310 DESCRIPTION IL 255 over Humbert Road LOGGED BY Larry Ford

SECTION 60-15HB-1 LOCATION NE 1/4, SEC. 23, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0308
Station
BORING NO. HR-SB 4
Station 38+856.5
Offset 10.00m RT CL
Ground Surface Elev. 188.09 m

Surface Water Elev. ____ m
Stream Bed Elev. ____ m
Groundwater Elev.:
First Encounter 183.0 m ▼
Upon Completion ____ m
After ____ Hrs. ____ m

DEPTH (m)	BLOWS (150 mm)	UCS Qu (kPa)	MOIST (%)
Gray and Brown Silty CLAY			
	2		
	3	153	
	4	S-10	30
-1.5	3		
	4	153	
	4	B	27
	4		
	4	144	
	5	S-15	23
-3.0	3		
	4	125	
184.6	4	S-15	23
Gray Sandy CLAY	2		
	3	125	
183.9	3	S-15	21
Brown Clay LOAM	3		
-4.5	5	230	
	5	S-10	22
▼	2		
	2	77	
	3	S-15	22
-6.0	2		
Brown Clay LOAM (continued)	4	96	
	6	S-10	15
181.5			
Brown SAND	3		
181.3	9	NC	
Brown and Gray Clay LOAM	10	383	12
		S-10	
-7.5	6		
	9	316	
	12	S-15	11
	7		
	12	402	
	16	B	11
179.4			
Gray SILT	11	220	14
179.1 -9.0	23	S-5	
Gray SAND 178.9	12		17
Gray Sandy SILT		NC	
178.5		144	
Gray Clay LOAM		S-5	
-10.5	4		
	7	316	
	10	S-15	13
177.0			
Gray Silty CLAY			
-12.0	6		

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)

DESIGNED	ADL
CHECKED	
DRAWN	ADL/DGM
CHECKED	

SOIL BORING LOGS
FAP RTE. 310 (IL RTE. 255) OVER
CH ROUTE 4 (HUMBERT ROAD)
SECTION 60-15HB-1
MADISON COUNTY
STATION 38+829.909
SN 060-0308 (NB) & 060-0309 (SB)

Klingner & Assoc., P.C.

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