ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8959	05-00016-03-BR	MADISON	129	77
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 26
30 SHEETS

Contract # 97351

Illinois Department of Transportation
Division of Highways
Shively Geotechnical, Inc.

SOIL BORING LOG

Page 1 of 2
Date 1/25/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Geib
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station
BORING NO. 1
Station 35+35
Offset 0.00ft
Ground Surface Elev. 469.43 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After .21 Days 429.8 ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray-Brown SILTY CLAY, FILL		2		
		2 2	1.7 B	24.8
	465.93			
Gray-Brown CLAY		1		
		2 5	5.8 B	17.0
	-5			
-Brown below 5.5 Feet		3		
		6 11	4.6 B	12.5
-Trace Gravel below 8.0 Feet		3		
		6 11	5.7 B	16.7
	-10			
		3		
		5 11	5.8 B	16.4
		3		
		5 9	3.5 S	19.2
	-15			
-Trace Coal below 15.5 Feet		1		
		5 9	5.1 B	18.8
	451.43			
Dark Gray SILTY CLAY -Thin Sandstone Lens at 18.25 Feet		2		
		6 8	3.4 B	20.0
	-20			
Dark Gray SILTY CLAY (continued)		2		
		4 7	2.8 B	17.1
	446.43			
Dark Gray CLAY		1		
		4 5	2.4 B	22.5
	-25			
-1 Inch Thick Root at 25.0 Feet		1		
		3 4	1.7 B	24.7
	441.43			
Dark Gray SILTY CLAY LOAM		2		
		7 9	4.4 B	20.0
	-30			
	436.93			
Dark Gray SILTY CLAY		2		
		4 7	2.7 B	23.7
	-35			
	431.93			
Interlayered Olive-Gray Sandy SHALE & SILTSTONE		8		
		15 20	2.5 S	16.2
	-40			

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
Shively Geotechnical, Inc.

SOIL BORING LOG

Page 2 of 2
Date 1/25/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Geib
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station
BORING NO. 1
Station 35+35
Offset 0.00ft
Ground Surface Elev. 469.43 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After .21 Days 429.8 ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Interlayered Olive-Gray Sandy SHALE & SILTSTONE (continued)				
	426.93			
Olive-Gray SHALE		13		
		44 50/3"	3.3 P	12.9
	-45			
-Gray below 47.5 Feet				
	420.53	50/5"		
End of Boring				5.9
	-50			
	-55			
	-60			

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
Shively Geotechnical, Inc.

SOIL BORING LOG

Page 1 of 2
Date 1/24/06

ROUTE FAU 8959 DESCRIPTION W. Corbin Street Extension Over IL-255 LOGGED BY May/Geib
SECTION 05-00016-02-RB LOCATION SE 1/4, SEC. 2, TWP. 5N, RNG. 9W
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.
Station
BORING NO. 2
Station 36+25
Offset 0.00ft
Ground Surface Elev. 471.02 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter Dry ft
Upon Completion 421.2 ft
After 1 Days 447.8 ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY LOAM, FILL		2		
		4 4	2.0 B	17.8
	468.02			
Dark Gray-Brown SILTY CLAY LOAM, FILL	467.02	2		
Gray-Brown CLAY LOAM, FILL		4 5	2.3 S	14.3
	-5			
	465.52			
Dark Brown SILTY CLAY LOAM, FILL	464.52	2		
Gray-Brown CLAY LOAM, FILL		3 3	1.7 S	17.8
	463.02			
Brown SILTY CLAY		2		
		6 12	5.8 S	14.0
	-10			
	460.52			
Gray-Brown SILTY CLAY LOAM		3		
		6 10	5.7 S	16.9
-Rocky Drilling 12.0 to 12.5 Feet				
	458.02			
Dark Gray-Brown SILTY CLAY		2		
		6 10	4.9 S	16.4
	-15			
	455.52			
Dark Gray-Brown CLAY LOAM		2		
		5 9	5.3 S	16.8
		2		
		7 9	5.2 S	18.4
	-20			
Dark Gray-Brown CLAY LOAM (continued)	450.52			
Dark Gray-Brown SILTY CLAY LOAM		2		
		5 8	4.5 B	21.7
		2		
		4 10	3.5 B	12.9
	-25			
	445.52			
Dark Gray-Brown SANDY LOAM		10		
	444.35			
Brown SILTY LOAM		20 20	1.0 S	13.0
	443.02			
Dark Gray SILTY CLAY LOAM		2		
		8 9	4.1 B	20.5
	-30			
	438.52			
Dark Olive-Brown SILTY CLAY		2		
		5 8	4.0 B	21.6
	-35			
	433.52			
Interlayered Dark Olive-Gray Sandy SHALE & SILTSTONE		29		
		50/2"		14.9
	-40			

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	T.M.M.
CHECKED	C.M.W.
DRAWN	B.D.M./S.H.K.
CHECKED	C.M.W.

Hoelscher Engineering, P.C.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618)624-8610 FAX: (618)624-8611

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING LOGS SHEET 1
WEST CORBIN STREET OVER F.A.P. 310 (IL-255)
F.A.U. 8959 SECTION 05-00016-03-BR
MADISON COUNTY
STATION 36+23.37
STRUCTURE NO. 060-6851