

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	MADISON	420	311
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 60-10K-1, 60-10HB CONTRACT NO. 76709				

Illinois Department of Transportation
Division of Highways
SHAWY GEOTECHNICAL, INC.

SOIL BORING LOG

Page 1 of 2
Date 4/24/01

ROUTE FAP 586 DESCRIPTION IL 162 over FAI 5570 @ Troy LOGGED BY Mark Denton

SECTION 60R-2, 37R-1 LOCATION SW 1/4, SEC. 5, TWP. 3N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Drill Rig HAMMER TYPE 140#

STRUCT. NO. _____
Station _____

BORING NO. 11 NE Corner Cone
Station 19+06
Offset 94.00R RT
Ground Surface Elev. 565.10 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
0	Surface Water Elev. _____ ft	D E L C O I	
0	Stream Bed Elev. _____ ft	P O S I	
0	Groundwater Elev.: _____ ft	H S Qu T	
0	First Encounter _____ ft		
0	Upon Completion _____ ft		
0	After _____ Hrs. _____ ft		
0	Gray Silty CLAY (continued)		0 0.8 3 S/10 24
2	Gray Clay LOAM		3 1.2 5 S/5 25
3	Gray Silty CLAY		1.5 2.8 S/15 28
4	Gray Clay LOAM		0 0.4 2 S/15 28
5	Dark Brown Robine SILT		2 2.8 5 S/15 28
5	Burn Results: 8.0% Organics		
5	Burn Results: 6.5% Organics		
5	Gray Silty CLAY with some Organics		0 0.7 0 S/10 33
5	Dark Brown Robine SILT		2 1.1 3 S/10 49
5	Burn Results: 7.4% Organics		
5	Gray Silty CLAY		2 1.0 3 S/10 39

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)

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COUNTY Madison DRILLING METHOD Drill Rig HAMMER TYPE 140#

STRUCT. NO. _____
Station _____

BORING NO. 11 NE Corner Cone
Station 19+06
Offset 94.00R RT
Ground Surface Elev. 565.10 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
3	Brown & Gray Clay LOAM (continued)		3 3.1 8 S/15 23
3	(Very Dry) Brown & Gray Clay LOAM (continued)		507.3 3.3 S/15 16
5	Gray Silty CLAY		500.1 10 2.0 17 S/10
5	Some wood found		
5	Gray Silty CLAY		494.6 10 2.0 34 494.1 18 AS/20
5	End of Boring @ 71 ft		2.3 25 S/15
5	Fine to Coarse Limestone Gravel		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG

Page 1 of 2
Date 1/28/05

ROUTE 586 DESCRIPTION East Retaining Wall LOGGED BY MH/PMK

SECTION 60-10-4HB LOCATION SW 1/4, SEC. 5, TWP. 3N, RNG. 7W, 3rd PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. 060-W002
Station _____

BORING NO. SB-19
Station 1351+76
Offset 84.00R Left
Ground Surface Elev. 562.89 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
0	Surface Water Elev. _____ ft	D E L C O I	
0	Stream Bed Elev. _____ ft	P O S I	
0	Groundwater Elev.: _____ ft	H S Qu T	
0	First Encounter _____ ft		
0	Upon Completion _____ ft		
0	After 18 Days _____ ft		
0	Gray-Brown Silty Clay LOAM		2 2.6 20.5 4 S/10
0	Gray-Brown SILT		1 0.7 28.2 3 B/20
0	Dark Gray Silty Clay LOAM		5 1.2 14.1 6 S/16
0	Field shear vane test at 10.0 Feet		6 4.2 15.2 9 S/20
0	Gray below 32.0 Feet		
0	Dark Gray Silty Clay LOAM		5 5.5 17.0 10 S/15
0	Field shear vane test at 15.0 Feet		
0	Gray-Brown CLAY		2 0.5 28.0 2 S/20
0	Dark Gray Silty CLAY		1 0.2 31.1 2 B/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)

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SECTION 60-10-4HB LOCATION SW 1/4, SEC. 5, TWP. 3N, RNG. 7W, 3rd PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. 060-W002
Station _____

BORING NO. SB-19
Station 1351+76
Offset 84.00R Left
Ground Surface Elev. 562.89 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
0	Gray-Brown CLAY (continued)		
0	Trace Gravel below 47.0 Feet		
0	End of Boring		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SOIL BORING LOG

Page 1 of 2
Date 2/1/05

ROUTE 586 DESCRIPTION East Retaining Wall LOGGED BY MH/PMK

SECTION 60-10-4HB LOCATION SW 1/4, SEC. 5, TWP. 3N, RNG. 7W, 3rd PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. 060-W002
Station _____

BORING NO. SB-20
Station 1349+90
Offset 125.00R Left
Ground Surface Elev. 562.58 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
0	Gray-Brown Silty Clay LOAM, Possible FILL		2 1.9 24.0 3 S/15
0	Gray-Brown Silty Clay LOAM		1 0.5 21.5 3 B/15
0	Gray Clay LOAM		2 0.8 22.2 3 B/15
0	Gray-Brown SILT		2 0.8 21.1 3 B/20
0	Very Dark Gray Brown Silty Clay LOAM, trace Organics		2 2.3 18.4 4 S/10
0	Dark Gray-Brown Silty Clay LOAM		3 3.1 12.8 8 S/20
0	Very Dark Gray-Brown Silty Clay LOAM, with Organics		1 0.4 28.5 2 B/20
0	Dark Gray Silty Clay LOAM		1 0.7 27.7 3 B/20
0	Gray Silty Clay LOAM		4 4.8 18.8 9 S/10

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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SECTION 60-10-4HB LOCATION SW 1/4, SEC. 5, TWP. 3N, RNG. 7W, 3rd PM

COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-lb Hydraulic

STRUCT. NO. 060-W002
Station _____

BORING NO. SB-20
Station 1349+90
Offset 125.00R Left
Ground Surface Elev. 562.58 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	TESTS	VALUES
0	Gray Silty Clay LOAM (continued)		
0	Gray-Brown CLAY		3 2.1 23.8 5 S/10
0	End of Boring		

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)

NOTE:
1. Structure Number listed on boring logs as 060-W002 is SN 060-W006.

Sht. R-11 of R-13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 162 OVER I-55/70 IN TROY
F.A.I ROUTE 70 SECTION 60-10K-1, 60-10HB
MADISON COUNTY STA. 17+40 TO STA. 22+50
STRUCTURE NO. 060-W006

BORING LOGS

DATE: 05/2006

DRAWN: BTO
CHECKED: JAN