F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	*	MADISON	420	310
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
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 4/10/03

ROUTE FAP 586 DESCRIPTION IL 162 and I-55/70 Interchange Ramp Retaining Walls in Troy LOGGED BY Mark Schreader

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

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

STRUCT. NO. _____
Station _____

BORING NO. SB #1 NE Ramp
Station 1352+55 (I-55/70)
Offset 27.00ft LT Ed. Pav. (I-55/70)
Ground Surface Elev. 561.0 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 540.0 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty LOAM		2, 3, 3	NC	14
557.0				
Gray Silty LOAM	-5	4, 4, 4	1.5, S/15	26
		2, 1, 2	0.6, S/20	32
	-10	0, 2, 1	0.6, S/20	31
549.0				
Brown Silty Clay LOAM		2, 2, 2	1.1, S/20	34
	-15	2, 3, 3	1.3, S/20	30
		2, 1, 23	0.8, S/20	30
	-20	0		
Brown Silty Clay LOAM (continued)		3, 3	1.4, S/20	21
538.5				
Gray Loamy SAND See Gradation @ 25.5 ft		0, 3	NC	23
	-25	0, 2, 1	NC	24
534.0				
Gray Silty Clay LOAM		5, 7, 11	2.3, S/20	17
	-30	6, 11, 15	4.1, S/15	13
	-35	6, 16, 33	2.6, S/10	17
	-40	5		

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 4/10/03

ROUTE FAP 586 DESCRIPTION IL 162 and I-55/70 Interchange Ramp Retaining Walls in Troy LOGGED BY Mark Schreader

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

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

STRUCT. NO. _____
Station _____

BORING NO. SB #1 NE Ramp
Station 1352+55 (I-55/70)
Offset 27.00ft LT Ed. Pav. (I-55/70)
Ground Surface Elev. 561.0 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 540.0 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty Clay LOAM (continued)		8, 10	2.2, S/20	22
	-45	5, 10, 14	2.9, S/15	20
	-50	6, 14, 19	3.1, S/15	16
	-55	7, 13, 18	3.1, S/15	16
	-60	4		
Gray Silty Clay LOAM (continued)		8, 11	3.4, S/15	19
500.0				
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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 6/9/03

ROUTE FAP 586 DESCRIPTION IL 162 and I-55/70 Interchange Ramp Retaining Walls in Troy LOGGED BY Mark Schreader

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

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

STRUCT. NO. _____
Station _____

BORING NO. SB #4 SE Ramp
Station 1353+45 (I-55/70)
Offset 68.00ft LT Ed. Pav. (I-55/70)
Ground Surface Elev. 580.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 549.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY		3, 4, 4	1.9, S/5	25
	-5	2, 3, 5	2.2, S/20	26
		2, 2, 3	0.9, S/20	27
	-10	2, 3, 3	0.9, S/20	29
		2, 3, 4	2.0, S/20	25
	-15	0, 3, 3	1.2, S/20	26
		3, 3, 4	1.3, S/20	25
541.0				
Brown Sandy LOAM	-20	3		
Brown Sandy LOAM (continued)		4, 5	2.2, S/20	24
538.5				
Brown Loamy SAND		3, 2, 3	NC	23
	-25	0, 2, 2	NC	26
533.5				
Brown Silty CLAY		8, 10, 13	2.6, S/20	14
	-30	5, 8, 13	4.8, S/5	14
	-35	3, 5, 4	2.3, S/20	22
	-40	5		

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 6/9/03

ROUTE FAP 586 DESCRIPTION IL 162 and I-55/70 Interchange Ramp Retaining Walls in Troy LOGGED BY Mark Schreader

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

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

STRUCT. NO. _____
Station _____

BORING NO. SB #4 SE Ramp
Station 1353+45 (I-55/70)
Offset 68.00ft LT Ed. Pav. (I-55/70)
Ground Surface Elev. 580.5 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 549.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY (continued)		7, 9	2.9, S/20	20
	-45	5, 9, 13	3.4, S/20	19
	-50	7, 12, 17	4.1, S/15	17
509.5				
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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2
Date 4/17/01

ROUTE FAP 586 DESCRIPTION IL 162 over FAI 55/70 @ 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 Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 060-0139
Station _____

BORING NO. 6 E Abutment
Station 18+80
Offset 31.50ft RT
Ground Surface Elev. 582.06 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 560.6 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Shoulder Rock & Sand				
580.6				
Brown & Gray Silty CLAY (fill)		2, 2, 4	0.7, S/15	28
	-5	2, 3, 4	0.6, S/10	29
		3, 5, 6	2.4, S/15	25
573.1				
Gray Silty Clay LOAM	-10	4, 6, 6	1.7, S/15	24
		4, 5, 6	1.6, S/10	23
568.1				
Gray Silty CLAY	-15	4, 5, 5	1.6, S/10	30
565.6				
Dark Gray Silt LOAM with some grass & fine roots		7, 9, 6	2.2, S/15	21
563.1				
Brown & Gray Silty CLAY	-20			
Brown & Gray Silty CLAY (continued)		4, 5, 6	1.9, S/15	28
560.6				
Gray Silty LOAM		1, 2, 3	0.9, S/15	32
	-25	2, 4, 7	1.5, S/15	27
554.1		2, 4, 5	1.5, B	32
Brown Robine SILT			1.8, B	40
	-30	2, 3, 5	1.1, B	29
551.1				
Gray Silty Clay LOAM	-35	2, 3, 3	0.9, B	28
545.1				
Gray Clay LOAM	-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
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2
Date 4/17/01

ROUTE FAP 586 DESCRIPTION IL 162 over I-AI 55/70 @ 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 Hollow Stem Auger HAMMER TYPE 140#

STRUCT. NO. 060-0139
Station _____

BORING NO. 6 E Abutment
Station 18+80
Offset 31.50ft RT
Ground Surface Elev. 582.06 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 560.6 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Clay LOAM (continued)		0, 4, 5	1.5, S/15	22
	-45	0, 7, 15	2.0, S/10	14
	-50	7, 15, 23	4.9, B	11
530.1				
Gray Silt	-55	30, 50, 50/.4	4.2, S/10	15
525.1				
Brown & Gray Clay LOAM	-60			
Brown & Gray Clay LOAM (continued)		6, 11, 12	4.1, B	20
	-65	7, 12, 17	3.8, S/15	18
511.1				
End of Boring @ 71 ft	-70	14, 17, 23	3.5, S/15	16

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-10 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