F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-10K-1,60-10HB	MADISON	420	283
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76709

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. 560.5 ft

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

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

Description	Elev.	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
		-60	7 12 17	4.1 S/15	17
End of Boring	509.5				

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 1 of 2
Date 6/16/03

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 #5 SW Ramp
Station 1354+08 (I-55/70)
Offset 61.00ft RT. Ed. Pav. (I-55/70)
Ground Surface Elev. 560.0 ft

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

Groundwater Elev.:
First Encounter 542.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty LOAM			2 2 2	1.4 S/20	28
		-5	2 2 2	1.3 S/20	32
			2 3 3	1.6 S/20	30
		-10	2 2 2	1.4 S/20	30
			0 0 4	1.3 S/20	27
	546.0				
Gray Silty LOAM Sample ST #1 Recovery = 2.5 ft Qu = 0.5 tsf		-15			
	543.5				
Gray Silty LOAM ▼ Sample ST #2 Recovery = 2.5 ft Qu = 1.0 tsf					
	541.0				
Gray Silty LOAM		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty LOAM *(continued)* Sample ST #3 Recovery = 2.5 ft Qu = 1.0 tsf					
	538.5				
Gray Sandy LOAM Sample ST #4 Recovery = 2.0 ft Qu = 1.5 tsf					
	536.0				
Brown Silty CLAY (Till)		-25	6 8 12	2.3 S/20	14
			7 14 20	5.8 S/20	13
		-30	6 12 14	4.0 S/20	13
		-35	7 9 17	3.5 S/15	17
		-40	7		

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 6/16/03

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 #5 SW Ramp
Station 1354+08 (I-55/70)
Offset 61.00ft RT. Ed. Pav. (I-55/70)
Ground Surface Elev. 560.0 ft

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

Groundwater Elev.:
First Encounter 542.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY (Till) *(continued)*			14 18	4.2 S/15	17
		-45	6 13 16	2.8 S/15	17
		-50	7 12 16	4.2 S/15	17
End of Boring	509.0				

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 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	Elev.	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 5	1.8 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 8	2.2 S/15	21
	563.1				
Brown & Gray Silty CLAY		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
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
			2 4 5	1.5 S/15	32
Brown Robins SILT			5 B 1.8 B		40
		-30	2 3 5	1.1 B	29
	551.1				
Gray Silty Clay LOAM			2 3 3	0.9 B	26
	546.1				
Gray Clay LOAM		-35			
		-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 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	Elev.	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
	526.1				
Brown & Gray Clay LOAM		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown & Gray Clay LOAM *(continued)*			8 11 12	4.1 B	20
		-65	7 12 17	3.8 S/15	18
		-70	14 17 23	3.5 S/15	16
End of Boring @ 71 ft	511.1				
		-75			
		-80			

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 4/18/01

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. 7 W Abutment
Station 21+22
Offset 31.00ft LT
Ground Surface Elev. 581.00 ft

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

Groundwater Elev.:
First Encounter 559.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt Shoulder Fill Sand & Rock	579.0				
Gray Silty CLAY (fill) Bridge Core			3 4 5	2.8 S/10	24
		-5	4 6 7	3.1 S/15	23
			4 7 9	2.0 S/10	28
		-10	4 8 10	3.1 S/15	22
			5 6 7	1.9 S/15	20
		-15	5 6 7	2.1 S/15	23
			5 7 8	3.5 S/10	25
	562.5				
Dark Gray Silty Clay LOAM	561.5				
Gray Silty CLAY		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY *(continued)*			4 6 8	1.8 S/10	28
	559.5 ▼				
Gray Silty Clay LOAM			1 2 3	0.8 S/10	30
	557.0				
Gray Silt LOAM		-25	3 6 7	1.4 S/15	27
			2 3 5	1.8 S/20	29
	551.0	-30	1 2 3	0.9 S/20	31
Gray & Brown Silty Clay LOAM					
		-35	2 3 8	1.5 B	27
	544.0				
Dark Gray Silty CLAY		-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 4/18/01

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. 7 W Abutment
Station 21+22
Offset 31.00ft LT
Ground Surface Elev. 581.00 ft

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

Groundwater Elev.:
First Encounter 559.5 ft ▼
Upon Completion _____ ft
After ___ Hrs. _____ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Gray Silty CLAY *(continued)*			4 5 6	1.9 S/5	23
		-45	3 5 5	1.5 S/10	22
Gray & Brown Clay LOAM	535.0				
		-50	8 13 17	4.5 B	13
		-55	4 6 9	2.9 S/15	22
	505.0				
End of Boring @ 76 ft		-60			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray & Brown Clay LOAM *(continued)*			5 7 11	2.4 S/10	22
		-65	11 17 23	4.7 B	16
		-70	7 11 25	5.7 B	16
		-75	4 8 17	2.4 S/10	18
		-80			

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)

SHT. S-65 OF S-68

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 STATION 499+48.35
STRUCTURE NO. 060-0338

BORING LOGS

DATE: 03/06 DESIGNED: BTO CHECKED: JAN DRAWN: BTO CHECKED: JAN