FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
70	60-10 (K-1,HB)	MADISON	420	177
STA.	TO STA.			
CONTRACT NO.: 76709				

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 91305

ROUTE FAI 70 DESCRIPTION Sign Truss on I-55/70 Northbound, Exit to IL 162 LOGGED BY M. Amaro

SECTION 60-10K-1, 60-10HB LOCATION NW 14, SEC. 8, TWP. 3N, RNG. 7W, 3 PM

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

STRUCT. NO.
Station

BORING NO. 1L
Station 1368+72
Offset 32.00ft Right
Ground Surface Elev. 566.08 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 78.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray and Brown Silty Clay LOAM		4		
		6	2.9	26
		7	S-20	
	-5	2		
		3	1.4	28
		3	S-20	
91.0				
Gray and Brown Silty LOAM		1		
		2	1.5	28
		4	S-20	
	-10	2		
		3	2.4	28
		3	S-15	
88.0				
Gray Silty CLAY		1		
		3	2.3	31
		4	S-20	
	-15	0		
		2	0.65	35
		2	S-20	
		0		
		1	0.7	26
		2	S-15	
	▼-20	0		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY (continued)		3	0.98	27
		4	S-20	
77.0				
End of Boring				
Assummed Elev. at CL = 100.0 ft				
Offset and Elevation: Use the CL of the NB I-55/70 Roadway				
	-25			
	-30			
	-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 1 of 1

Date 91305

ROUTE FAI 70 DESCRIPTION Sign Truss on I-55/70 Southbound, Exit to IL 162 LOGGED BY M. Amaro

SECTION 60-10K-1, 60-10HB LOCATION SE 14, SEC. 6, TWP. 3N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. 2L
Station 1337+90
Offset 40.00ft Left
Ground Surface Elev. 556.49 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 93.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty LOAM			2.5	18
			1.5	30
			1.5	29
93.0 ▼				
Silty Clay LOAM			1.0	31
	-5		0.75	35
			1.0	34
			1.25	34
			1.0	31
88.0				
Silty CLAY			1.25	30
			1.5	28
	-10		1.25	33
			1.5	41
84.0				
Refusal - End of Hand Auger				
Pocket Penetrometer used for Qu				
Assummed Elev. at CL = 100.0 ft	-15			
Offset and Elevation: Use the CL of the SB I-55/70 Roadway				
	-20			

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 1

Date 91305

ROUTE FAI 70 DESCRIPTION Sign Truss on I-55/70 Northbound, Exit to IL 162 LOGGED BY M. Amaro

SECTION 60-10K-1, 60-10HB LOCATION NW 14, SEC. 8, TWP. 3N, RNG. 7W, 3 PM

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

STRUCT. NO.
Station

BORING NO. 1R
Station 1368+72
Offset 35.00ft Left
Ground Surface Elev. 565.13 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 81.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty LOAM		4		
		6	2.3	18
		7	S-20	
	-5	2		
		2	1.5	31
		2	S-10	
91.0				
Gray and Brown Silty CLAY		1		
		1	0.5	35
		2	S-10	
	-10	2		
		2	0.7	31
		3	S-10	
86.0				
Brown Silty LOAM		1		
		3	2.17	29
		3	S-20	
	-15	1		
		1	1.6	32
		2	S-20	
81.0 ▼				
Gray Silty CLAY		1		
		2	1.9	28
		3	S-20	
	-20	0		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY (continued)		0	0.2	30
		3	S-10	
77.0				
End of Boring				
Assummed Elev. at CL = 100.0 ft				
Offset and Elevation: Use the CL of the NB I-55/70 Roadway				
	-25			
	-30			
	-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 1 of 1

Date 91305

ROUTE FAI 70 DESCRIPTION Sign Truss on I-55/70 Southbound, Exit to IL 162 LOGGED BY M. Amaro

SECTION 60-10K-1, 60-10HB LOCATION SE 14, SEC. 6, TWP. 3N, RNG. 7W, 3 PM

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

STRUCT. NO.
Station

BORING NO. 2R
Station 1337+90
Offset 43.00ft Right
Ground Surface Elev. 568.35 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 76.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty LOAM		3		
		3	3.3	27
		5	S-20	
	-5	2		
		3	1.4	28
With Gravel		3	S-20	
		1		
		2	1.6	29
		3	S-20	
	-10	2		
		2	1.8	27
		4	S-20	
		2		
		3	0.19	44
		5	S-10	
81.5				
Gray Silty LOAM	-15	0		
		0	0.8	31
		2	S-20	
		0		
		1	2.3	33
		1	S-20	
	▼-20	3		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty LOAM (continued)		2	1.2	38
		3	S-20	
75.0				
End of Boring				
Assummed Elev. at CL = 100.0 ft				
Offset and Elevation: Use the CL of the SB I-55/70 Roadway				
	-25			
	-30			
	-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

SOIL BORING LOGS

FAI ROUTE 70
SECTION 60-10K-1, 60-10HB
MADISON COUNTY

PLOT DATE: *DATE-TIME*

**DATE*
DATE-TIME
DGN-SPEC
*REF-
*REF-