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

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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

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			
	1		
Gray and Brown Silty LOAM	2	1.5	28
	4	S/20	
-10	2		
	3	2.4	28
	3	S/15	
86.0			
	1		
Gray Silty CLAY	3	2.3	31
	4	S/20	
-15	0		
	2	0.85	35
	2	S/20	
	0		
	1	0.7	26
	2	S/15	
▼20	0		
Gray Silty CLAY (continued)			
77.0			
End of Boring			
Assumed Elev. at CL = 100.0 ft			
Offset and Elevation: Use the CL of the NB I-55/70 Roadway			
-25			
-30			
-35			
-40			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY (continued)			
	3	0.98	27
	4	S/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 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. 566.49 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

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

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown and Gray Silty LOAM		2.5	16
		1.5	30
93.0 ▼		1.5	29
Silty Clay LOAM		1.0	31
		0.75	35
-5		1.0	34
		1.25	34
88.0		1.0	31
Silty CLAY		1.25	30
-10		1.5	28
		1.25	33
84.0		1.5	41
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)
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Illinois Department of Transportation
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SOIL BORING LOG

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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

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			
	1		
Gray and Brown Silty CLAY	1	0.5	35
	2	S/10	
-10	2		
	2	0.7	31
	3	S/10	
86.0			
	1		
Brown Silty LOAM	3	2.17	29
	3	S/20	
-15	1		
	1	1.6	32
	2	S/20	
81.0 ▼			
	1		
Gray Silty CLAY	2	1.9	26
	3	S/20	
-20	0		
Gray Silty CLAY (continued)			
77.0			
End of Boring			
Assumed Elev. at CL = 100.0 ft			
Offset and Elevation: Use the CL of the NB I-55/70 Roadway			
-25			
-30			
-35			
-40			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY (continued)			
	0	0.2	30
	3	S/10	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation
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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. 568.36 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

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

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			
-15	0		
Gray Silty LOAM	0	0.8	31
	2	S/20	
	0		
	1	2.3	33
	1	S/20	
▼20	3		
Gray Silty LOAM (continued)			
75.0			
End of Boring			
Assumed Elev. at CL = 100.0 ft			
Offset and Elevation: Use the CL of the SB I-55/70 Roadway			
-25			
-30			
-35			
-40			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray Silty LOAM (continued)			
	2	1.2	38
	3	S/20	

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