STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 789	54BR-1	MADISON	62	49
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 25
25 SHEETS

Contract #76864

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 8 Materials

Page 1 of 1

Date 12/2/71

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY J. King

SECTION 54BR-1 LOCATION SE 1/4, SEC. 15, TWP. 4N, RNG. 7W, 3 PM

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

STRUCT. NO. 060-0149
Station 281+40

BORING NO. 5 Pier 4
Station 280+56
Offset 20.00ft Right
Ground Surface Elev. 473.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 463.0 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY				
		12	0.97 S	23
468.50	-5			
Tan SILT		16	1.30 S	22
466.00				
Tan and Gray Silty CLAY		8	0.65 B	27
	-10			
		5	0.39 B	27
		7	0.39 B	25
458.50	-15			
Tan and Gray Sandy CLAY		8	0.65 S	22
456.00				
Gray and Brown Fine to Medium SAND		13	NS	
	-20			
Gray and Brown Fine to Medium SAND (continued)				
		11		NS
451.50				
Gray Laminated SHALE		100+		
448.50	-25			
Gray Sandy SHALE with Layers of Sandstone		100+		
446.00				
Gray Laminated SHALE		100+		
443.00	-30			
		100+		
End of Boring	-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 8 Materials

Page 1 of 1

Date 12/2/71

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY J. King

SECTION 54BR-1 LOCATION SE 1/4, SEC. 15, TWP. 4N, RNG. 7W, 3 PM

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

STRUCT. NO. 060-0149
Station 281+40

BORING NO. 6 Pier 3
Station 280+12
Offset 20.00ft Right
Ground Surface Elev. 473.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 462.9 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY				
		10	0.59 S	25
468.90	-5			
Brown Clayey SILT		5	0.69 S	28
466.40				
Tan Silty CLAY		4	0.65 B	26
	-10			
		6	0.65 B	27
461.40				
Brown and Gray Silty CLAY		4	0.39 B	28
	-15			
		4	0.65 B	23
456.40				
Gray Sandy Silty CLAY		4	0.62 S	20
	-20			
Gray Sandy Silty CLAY (continued)				
		4	0.69 S	25
451.40				
Gray Medium SAND		12	NC	
448.90	-25			
Gray Laminated SHALE		100+		
446.40				
Gray Laminated SHALE with Streaks Sandstone		100+		
443.40	-30	100+		
End of Boring	-35			
	-40			

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

Division of Highways
District 8 Materials

Page 1 of 1

Date 12/5/71

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY J. King

SECTION 54BR-1 LOCATION SE 1/4, SEC. 15, TWP. 4N, RNG. 7W, 3 PM

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

STRUCT. NO. 060-0149
Station 281+40

BORING NO. 7 Pier 2
Station 279+89
Offset 20.00ft Right
Ground Surface Elev. 473.6 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 458.6 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY				
		9	0.81 S	28
	-5			
		9	0.65 S	26
466.80				
Brown and Gray Silty CLAY		6	0.52 B	27
	-10			
		5	0.81 B	26
		7	0.65 B	28
456.60	-15			
		5	0.39 B	23
Brown and Gray Sandy Silty CLAY		7	0.44 S	23
454.10				
Gray Medium SAND	-20			
Gray Medium SAND (continued)				
		8	NC	
451.60				
Gray Medium SAND and Gravel		11	NC	
449.10	-25			
Gray Weathered SHALE		100+		
447.60				
Gray SHALE with Gravel and Sandstone Layer		100+		
444.60				
Gray Laminated SHALE		100+		
443.60	-30			
End of Boring	-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 8 Materials

Page 1 of 1

Date 12/5/71

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY J. King

SECTION 54BR-1 LOCATION SE 1/4, SEC. 15, TWP. 4N, RNG. 7W, 3 PM

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

STRUCT. NO. 060-0149
Station 281+40

BORING NO. 8 Pier 1
Station 279+29
Offset 21.00ft Right
Ground Surface Elev. 473.3 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 457.3 ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown Silty CLAY				
		11	0.81 S	25
	-5			
		11	0.65 S	26
466.30				
Brown and Gray Silty CLAY		8	0.81 B	25
	-10			
		6	0.98 B	26
		7	0.65 B	26
456.30	-15			
		7	0.65 B	26
Brown and Gray Sandy Silty CLAY		7	0.72 B	22
453.80				
Gray Medium to Coarse SAND	-20			
Gray Medium to Coarse SAND (continued) with Gravel				
		9		NC
449.30				
Gray Weathered SHALE		11		NC
446.80	-25			
Gray SHALE with Layers of Sandstone		100+		
444.80				
Gray Laminated SHALE		100+		
442.80	-30			
End of Boring	-35	100+		
	-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)

BORING LOGS
F.A.P. RTE. 789 - SEC. 54BR-1
MADISON COUNTY
STATION 280+73
STRUCTURE NO. 060-0340

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