

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 789	54BR-1	MADISON	62	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 24
25 SHEETS

Contract #76864

Illinois Department of Transportation
Division of Highways
District 6 Materials

SOIL BORING LOG

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Date 12/21/70

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY C. Hoffman

SECTION 54BR-1 LOCATION SE 14, 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. 1 W Abut
Station 279+54.9
Offset 11.90ft Left
Ground Surface Elev. 479.1 ft

DEPTH (ft)	SOIL DESCRIPTION	U (blows)	B (blows)	S (blows)	M (blows)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
0	Brown CLAY		6	0.48	23							
11	Brown and Gray Silty Sandy CLAY		7	0.39	28							
3	Gray Silty CLAY		4	0.56	36							
28	Gray CLAY		5	0.43	38							
8	Gray Clay TILL		8	0.36	20							
10	Gray CLAY		43	4.07	18							
8	Gray CLAY		100+	4.07	10							
6	Light Gray Fine Calcareous SANDSTONE											
6	Gray Slightly Sandy CLAY											

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 T208)

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SOIL BORING LOG

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Date 12/22/70

ROUTE FAP 789 DESCRIPTION IL 143 over Silver Creek LOGGED BY C. Hoffman

SECTION 54BR-1 LOCATION SE 14, 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. 2 E Abut
Station 282+39.5
Offset 11.00ft Left
Ground Surface Elev. 479.16 ft

DEPTH (ft)	SOIL DESCRIPTION	U (blows)	B (blows)	S (blows)	M (blows)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
10	Gray and Brown TILL (continued)		6	0.46	23							
10	Brown and Gray CLAY		14	1.56	25							
11	Gray Silty CLAY		6	0.36	32							
5	Brown and Gray CLAY		5	0.62	29							
7	Gray and Brown TILL		5	0.56	24							

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

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

SECTION 54BR-1 LOCATION SE 14, 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. 3 Pier 7
Station 281+34
Offset 21.00ft Right
Ground Surface Elev. 473.5 ft

DEPTH (ft)	SOIL DESCRIPTION	U (blows)	B (blows)	S (blows)	M (blows)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
10	Gray Green and Brown SHALE (continued)		10	0.65	24							
4	Gray Laminated SHALE		4	0.58	29							
3	Brown and Gray Silty CLAY		3	0.26	30							
5	Gray Green and Brown SHALE		5	0.65	21							

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

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

SECTION 54BR-1 LOCATION SE 14, 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. 4 Pier 5
Station 280+59.5
Offset 20.00ft Right
Ground Surface Elev. 473.6 ft

DEPTH (ft)	SOIL DESCRIPTION	U (blows)	B (blows)	S (blows)	M (blows)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
5	Gray Medium SAND with Gravel		5	0.49	26							
5	Gray Highly Weathered SHALE		5	0.49	30							
2	Gray Silty CLAY		2	0.45	36							
2	Gray SHALE with Streaks Sandstone		2	0.52	32							
2	Gray Laminated SHALE		2	0.39	40							
3	Gray Laminated SHALE		3	0.46	30							
1	Gray Silty CLAY		1	0.52	27							

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 T208)

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