

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 310	60-15B	MADISON	474	250
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract No. 76323

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Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 11/30/00

ROUTE FAP 310 DESCRIPTION Rock Creek Box Culvert LOGGED BY Larry Ford
SECTION 60-15B LOCATION NW 14, SEC. 30, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic 140#

STRUCT. NO. 060-2043 Station 35+293
BORING NO. RC-BC #1 Station 35+294.5
Offset 0.00m CL
Ground Surface Elev. 146.49 m (m)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	UCS (kPa)	Failure Mode	SPT (blows)	UCS (kPa)	Failure Mode	SPT (blows)
0	0	Gray Weathered SHALE (continued)	40	B	393	50	S5	14
1	3		18			40	402	9
2	6		50	S5	17	50	S15	9
3	9		18			7.5	18	
2	6		30	S5	15	504*	S15	9
144.5	144.5	LIMESTONE (Drilled)	138.2					
1	3	Gray SAND	1	NC	22			
1	3	Gray SHALE						
1	3	End of Boring	137.5			504*	NC	5
143.0	143.0							
0	0	Gray Silty Clay LOAM	0			57	S10	20
5	16							
0	0					29	S15	37
0	0							
141.5	141.5	Gray Silty CLAY	3			192	S10	32
8	26							
9	29							
140.8	140.8							
6.0	19	Gray Weathered SHALE						

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)

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SOIL BORING LOG

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Date 8/8/01

ROUTE FAP 310 DESCRIPTION Rock Creek Box Culvert LOGGED BY L. Ford B. Schultz
SECTION 60-15B LOCATION NW 14, SEC. 30, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madison DRILLING METHOD Hollow Stem Auger/TriCone Roller HAMMER TYPE Automatic 140#

STRUCT. NO. 060-2043 Station 35+293
BORING NO. RC-BC #2 Station 35+295
Offset 45.00m LT CL
Ground Surface Elev. 147.75 m (m)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	UCS (kPa)	Failure Mode	SPT (blows)	UCS (kPa)	Failure Mode	SPT (blows)
0	0	Gray LOAM						
3	9	Gray SAND (continued)	1	NC	24			
4	13	Silty Clay LOAM Lenses						
4	13		67					
5	16		5	S5	32			
146.7	146.7	3" Silty CLAY Lens						
140.5	140.5							
145.5	145.5	Brown and Gray loamy SAND						
1	3	Gray Loamy Gravelly SAND						
4	13	See Gradation @ 8.0 m (26 ft)	4	S5	11			
145.5	145.5							
1	3	Gray LOAM	139.5			1		
1	3	Gray SANDY GRAVEL	139.3			7	57	53
2	6		139.2			21	B	13
144.4	144.4	Gray and Brown SAND						
1	3	See Gradation @ 3.2 m (10.5 ft)						
1	3	Gray Gravelly SHALE Matrix						
1	3							
144.4	144.4							
2	6	Gray Sandy GRAVEL						
3	9							
143.5	143.5	Borehole continued with rock coring.						
4.5	14.8	Gray Silty CLAY						
2	6					57	S5	30
2	6							
142.8	142.8							
0	0	Gray SAND						
0	0	See Gradation @ 7.0 m (23 ft)						
0	0							
0	0							
6.0	19							

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)

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ROCK BORING LOG

Page 2 of 2
Date 8/8/01

ROUTE FAP 310 DESCRIPTION Rock Creek Box Culvert LOGGED BY L. Ford B. Schultz
SECTION 60-15B LOCATION NW 14, SEC. 30, TWP. 6N, RNG. 10W, 3 PM
COUNTY Madison CORING METHOD Rock Core

STRUCT. NO. 060-2043 Station 35+293
BORING NO. RC-BC #2 Station 35+295
Offset 45.00m LT CL
Ground Surface Elev. 147.75 m (m)

DEPTH (m)	DEPTH (ft)	SOIL DESCRIPTION	UCS (kPa)	Failure Mode	SPT (blows)	UCS (kPa)	Failure Mode	SPT (blows)
138.00	138.00	Gray LIMESTONE						
137.40	137.40							
10.5	10.5	Gray SHALE						
1	3							
1	3							
0.5	1.5							
0.5	1.5							
0.5	1.5							
135.45	135.45							
End of Boring								
13.5	13.5							
15.0	15.0							

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

DESIGNED	ADL
CHECKED	WLW
DRAWN	KAH
CHECKED	WLW

SOIL BORINGS
FAP RTE 310 (IL RTE 255)
OVER ROCK CREEK
SECTION 60-15B
MADISON COUNTY
STATION 35+291.000
S.N. 060-2043