

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 310	60-15B	MADISON	474	252
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract No. 76323

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Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

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Date 8/20/01

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. <u>060-2043</u>	D	B	U	M	Surface Water Elev.	m	D	B	U	M
Station <u>35+293</u>	E	L	C	O	Stream Bed Elev.	m	E	L	C	O
BORING NO. <u>RC-BC #4</u>	P	O	S	I	Groundwater Elev.:		P	O	S	I
Station <u>35+299</u>	T	W	S	Q	First Encounter	<u>144.9</u> m	T	W	S	Q
Offset <u>40.00m RT CL</u>	H	S	Qu	T	Upon Completion	m	H	S	Qu	T
Ground Surface Elev. <u>148.39</u> m	(m)	(150 mm)	(kPa)	(%)	After	Hrs.	(m)	(150 mm)	(kPa)	(%)

Gray Silt LOAM	2	3	NC	25	147.0	1	0						
	1	57			147.0	1	18						
	1	S5			147.0	1	22						
Gray Sandy LOAM	2	5	67	14	146.4	1							
	5	S10			146.4	3							
Brown Silty CLAY	3	3	86	25	145.8	3							
	3	S10			145.8	3							
Brown and Gray Sandy LOAM	0	1	67	24	144.9	1							
	1	8			144.9	1							
Gray Fine to Medium SAND See Gradation @ 5.3 m (17.5 ft)	1	1	NC	26	143.0	1							
	1				143.0	1							
CLAY Lenses	1	1	NC	22	142.4	1							
	1				142.4	1							
Gray Silty CLAY	1	1	57	32	142.4	1							
	1	S10			142.4	1							

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)
BBS, from 137 (Rev. 8-99)

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ROUTE FAP 310 DESCRIPTION Rock Creek Box Culvert LOGGED BY Larry Ford

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

STRUCT. NO. <u>060-2043</u>	D	B	U	M	Surface Water Elev.	m	D	B	U	M
Station <u>35+293</u>	E	L	C	O	Stream Bed Elev.	m	E	L	C	O
BORING NO. <u>RC-BC #4</u>	P	O	S	I	Groundwater Elev.:		P	O	S	I
Station <u>35+299</u>	T	W	S	Q	First Encounter	<u>144.9</u> m	T	W	S	Q
Offset <u>40.00m RT CL</u>	H	S	Qu	T	Upon Completion	m	H	S	Qu	T
Ground Surface Elev. <u>148.39</u> m	(m)	(150 mm)	(kPa)	(%)	After	Hrs.	(m)	(150 mm)	(kPa)	(%)

End of Boring	NC				-18.0								
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ROUTE FAP 310 DESCRIPTION Rock Creek Box Culvert LOGGED BY Larry Ford

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

STRUCT. NO. <u>060-2043</u>	D	B	U	M	Surface Water Elev.	m	D	B	U	M
Station <u>35+293</u>	E	L	C	O	Stream Bed Elev.	m	E	L	C	O
BORING NO. <u>RC-BC #5</u>	P	O	S	I	Groundwater Elev.:		P	O	S	I
Station <u>35+288</u>	T	W	S	Q	First Encounter	<u>144.3</u> m	T	W	S	Q
Offset <u>85.00m LT CL</u>	H	S	Qu	T	Upon Completion	m	H	S	Qu	T
Ground Surface Elev. <u>147.29</u> m	(m)	(150 mm)	(kPa)	(%)	After	Hrs.	(m)	(150 mm)	(kPa)	(%)

Gray LOAM	0	57		32	140.8								
	0	S15			140.8								
Brown SAND See Gradation @ 1.7 m (5.5 ft)	5	5		22	140.1								
	5	NC			140.1								
Sandy GRAVEL See Gradation @ 7.6 m (25 ft)	13	13		19	139.6								
	13	NC			139.6								
Gray Silty CLAY	2	4	153	23	138.6								
	2	S10			138.6								
Brown SAND with some Gravel See Gradation @ 2.4 m (8 ft)	0	8		22	138.3								
	0	NC			138.3								
Gray SAND See Gradation @ 9.0 m (29.5 ft)	13	364		9	138.3								
	13	S5			138.3								
Gray Fine Loamy SAND See Gradation @ 3.2 m (10.5 ft)	1	1	NC	24	143.7								
	1				143.7								
Gray SAND See Gradation @ 4.7 m (15.5 ft)	1	2	NC	20	142.3								
	1				142.3								
CLAY Lenses	1	2	NC	21	142.3								
	1				142.3								
Gray Silty CLAY	6	0	48	30	135.9								
	6	S45			135.9								
Top of Hard Formation	50				135.7								
Gray LIMESTONE					135.7								
					135.7								
End of Boring					-12.0								

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)

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**