

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
310	60-14-1B	MADISON	469	158
STA. 31+282.000 TO STA.				
FED. ROAD DIST. NO. 8		ILLINOIS	FED. AID PROJECT-	

Sheet 5 of 6



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 3/30/98

ROUTE FAP 310 DESCRIPTION Soil Survey/Stability Boring LOGGED BY Larry Ford

SECTION 60-14 LOCATION SEC. 33, TWP. 5N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Dry Hole
Station	(m)	(mm)	(kPa)	(%)	m	m	m	m	m	m
			96	33						
Gray Silt LOAM			105	27						
	148.6		144	25						
Brown & Gray Silty Clay LOAM			192	23						
			192	22						
	-1.5		182	22						
	147.4		163	23						
Gray LOAM			192	20						
			201	16						
			182	18						
	-3.0		211	16						
	145.9									
Gray Sandy LOAM			NC	10						
	145.6		354	22						
Brown Clay LOAM			335	22						
			287	21						
	-4.5		259	21						
	144.4									
End of Hand Auger										
	-6.0									

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

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Date 4/6/98

ROUTE FAP 310 DESCRIPTION Soil Survey/Stability Boring LOGGED BY Larry Ford

SECTION 60-14 LOCATION SEC. 33, TWP. 5N, RNG. 8W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Dry Hole
Station	(m)	(mm)	(kPa)	(%)	m	m	m	m	m	m
			57	27						
Gray Silt LOAM			48	26						
	148.2		38	25						
Gray LOAM			96	21						
			147.3							
Brown Coarse SAND - See Gradation #1			-1.5	NC						
	146.8			26						
Brown & Gray Clay LOAM			307	24						
			316	23						
			287	23						
			335	23						
	-3.0		326	24						
			316	25						
			278	25						
			307	24						
			422	22						
	-4.5		402	21						
	143.7									
End of Hand Auger										
	-6.0									

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

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Date 3/29/00

ROUTE FAP 310 DESCRIPTION Box Culvert at Station 31+282 /Soil Survey Mainline LOGGED BY Larry Ford

SECTION 60-14 LOCATION SEC. , TWP. , RNG. , PM

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

STRUCT. NO.	DEPTH	BULGE	UCS	M O I S T	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	Dry Hole
Station	(m)	(mm)	(kPa)	(%)	m	m	m	m	m	m
			7	316						
Gray Silty CLAY			10	S/10						
	142.9		14							
Gray Clay LOAM			8							
			11	278						
			14	S/10						
	148.0									
Brown and Gray Silty Clay LOAM			-1.5	9						
			9	297						
			12	S/5						
				9						
			12	211						
			10	S/10						
	-3.0		5							
			6	153						
			12	S/10						
	146.0		422							
Brown CLAY			422	S/10						
A-7-6(23)			6							
See Soil Test Data Sheet			9	278						
			12	S/5						
			5							
			7	297						
			10	S/10						
	-4.5									
	144.2		6							
Brown CLAY			11	491						
A-6(17)			16	S/5						
See Soil Test Data Sheet										
	-6.0									

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)

DESIGNED	B.W.B.
CHECKED	M.A.A.
DRAWN	R.M.R.
CHECKED	B.S.C.

PLANS PREPARED BY:

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 310 OVER TRIBUTARY OF WEST FORK WOOD RIVER
SECTION 60-14-1B
MADISON COUNTY
STATION 31+282
STRUCTURE No. 060-2044
SOIL BORING LOGS