

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Page 1 of 3

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

ROUTE FAP 331 DESCRIPTION FAP 331 (IL 13) over Mud Creek LOGGED BY R. Moberly Date 5/30/00

SECTION 12-BY-1-1 LOCATION Near Mid S 12, NW 14, SE 14, SE 14, SEC. 2, TWP. 9S, RING, 2W, 3 PM

COUNTY Jackson DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 039-0014 SURFACE WATER ELEV. 347.9 ft
Station 243+40.00 STREAM BED ELEV. _____ ft

BORING NO. 1-S GROUNDWATER ELEV.:
Station 244+65 First Encounter _____ ft
Offset 28.00 ft Upon Completion _____ ft
Ground Surface Elev. 380.9 ft After 24 Hrs. 355.0 ft

	D E P T H	B L O W	U N I T S	M O I S T U R E	S O I L T Y P E	SPT		N	UCS Failure Mode
						(ft)	(blows)		
Very stiff, moist, brown, Silty Clay Loam A-6	4	1.4	18	1	2	2	1.2	27	WH
	4	1.4	18	1	2	2	1.2	27	B
	7	2.9	16	1	1	1	0.3	24	B
	3								
	6	2.5	19				1.2	21	B
	6						4		B
	3								
Medium to stiff, moist to very moist, brown and grey, Silty Clay to Silty Clay Loam A-6	4	0.8	20				1.1	26	B
	6						3		B
	2								
	3	1.3	20				1.0	28	B
	4						2		B
	2								
Stiff to medium, moist to very moist, grey mottled brown, Silt Loam to Silty Clay Loam A-4	4	1.0	22				1.2	26	WH
	4						2		B
	2								
Soft, moist, brown, Sand Loam A-4	3	0.4	16				0.9	28	WH
	4						2		B
	2								
Stiff, moist, brown, Silty Clay to Silty Clay Loam A-6	4	1.4	18				1.2	27	B
	4						2		B
	2								

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)

Page 2 of 3

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

ROUTE FAP 331 DESCRIPTION FAP 331 (IL 13) over Mud Creek LOGGED BY R. Moberly Date 5/30/00

SECTION 12-BY-1-1 LOCATION Near Mid S 12, NW 14, SE 14, SE 14, SEC. 2, TWP. 9S, RING, 2W, 3 PM

COUNTY Jackson DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 039-0014 SURFACE WATER ELEV. 347.9 ft
Station 243+40.00 STREAM BED ELEV. _____ ft

BORING NO. 1-S GROUNDWATER ELEV.:
Station 244+65 First Encounter _____ ft
Offset 28.00 ft Upon Completion _____ ft
Ground Surface Elev. 380.9 ft After 24 Hrs. 355.0 ft

	D E P T H	B L O W	U N I T S	M O I S T U R E	S O I L T Y P E	SPT		N	UCS Failure Mode
						(ft)	(blows)		
Stiff, moist, grey, Clay to Clay Loam A7-6 (continued)	2	1.1	28				1.7	29	B
	3								B
	1								
Stiff, moist, brown, Clay A7-6	2	1.1	28				1.7	29	B
	3								B
	1								
Stiff to very stiff, moist, brown, Clay A7-6	2	1.6	29				1.2	31	B
	3								B
	2								
	5	2.3	27				2.3	27	B
	5								B
	2								
	4	1.5	24				1.5	24	B
	4								B
	2								
Medium, very moist, grey, Silty Clay Loam A-4 w/Sand seams	2	0.9	26				0.9	26	WH
	3								B
	2								
	2								
	1								
	2	1.2	27				1.2	27	B
	2								B
	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 T206)
BBS, from 137 (Rev. 8-99)

Page 3 of 3

Illinois Department of Transportation
Division of Highways
SOIL BORING LOG

ROUTE FAP 331 DESCRIPTION FAP 331 (IL 13) over Mud Creek LOGGED BY R. Moberly Date 5/30/00

SECTION 12-BY-1-1 LOCATION Near Mid S 12, NW 14, SE 14, SE 14, SEC. 2, TWP. 9S, RING, 2W, 3 PM

COUNTY Jackson DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 039-0014 SURFACE WATER ELEV. 347.9 ft
Station 243+40.00 STREAM BED ELEV. _____ ft

BORING NO. 1-S GROUNDWATER ELEV.:
Station 244+65 First Encounter _____ ft
Offset 28.00 ft Upon Completion _____ ft
Ground Surface Elev. 380.9 ft After 24 Hrs. 355.0 ft

	D E P T H	B L O W	U N I T S	M O I S T U R E	S O I L T Y P E	SPT		N	UCS Failure Mode
						(ft)	(blows)		
Elevation referenced to 1954 plans									
To convert "N" values to "N60" values, multiply by 1.25									

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)

BORING LOGS
STRUCTURE NO. 039-0070 (E.B.)

SHEET NO. 21	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	331	(12-BY-1)-1	JACKSON	67	42
22 SHEETS			CONTRACT NO. 98641		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					