GEOCON

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LOG OF BORING NO. B-1

Project Name: Oakwood Road District Bridge
Location: Sec. 09-14138-00-BR, N. 600 E. Road
City: Vermilion County, Illinois

GEOCON Project No.: 2-103041
Date of Boring: 11-3-2010
Field Representative: J. Lubben
Drilling Method: Hollow Stem Auger
Sheet 1 of 1

Depth (ft)	Elevation (ft)	Material Description	Water Level (ft)	Sample Number	Sample Type	N-value (blows/foot)	Qp (tsf)	Qu (tsf)	Moisture Content (%)	Sample Recovery (in)	Remarks
0	0.0	Ground Surface 658.6									
	-1.0	**TOPSOIL (12")**									
	-3.0	**FILL** Dark brown silty clay, very stiff, moist (FILL)		1		8	4.5	--	17.4	3	
5	-6.0	**SILTY CLAY** Brown and gray silty clay, medium stiff, moist		2		6	--	--	13.8	2	
	-7.5	**SAND** Brown fine to medium sand, dense, moist		3		14	--	--	12.0	14	
10		**SILTY CLAY** 651.1 Gray silty clay, trace sand and gravel, medium stiff to very stiff, moist	Upon Completion	4		5	0.5	1.2	12.9	14	
				5		6	0.5	1.6	12.7	16	
15				6		8	1.0	1.9	11.6	16	
				7		6	2.0	1.8	10.7	16	
20				8		8	4.0	5.4	11.0	14	
	-24.0	634.6									
25		**SILTY CLAY** Brown and gray silty clay, trace sand and gravel, stiff, moist		9		9	4.5	2.1	13.7	12	
	-27.5	631.1									
30		**SILTY CLAY** Gray silty clay, trace sand and gravel, hard, moist	While Drilling	10		38	4.5+	7.9	8.3	18	
	-32.0	626.6									
35		**SAND** Gray fine sand, trace to little silt, very dense, moist Note: Auger and split-spoon refusal encountered at 40 feet.		11		92	--	--	8.5	12	
40	-40.0	618.6		12		**	--	--	14.6	6	**N = 50 blows for 1 inch
		End of Boring									
45											
50											

Completion Depth: 40 feet
Water Level While Drilling: 37 feet
Water Level Upon Completion: 11 feet
Cave Depth: 28.5 feet
Borehole Backfill: Soil Cuttings

Comments:
Boring performed 13 feet south of bridge and 18 feet east of centerline.

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

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BORING 1

GEOCON

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LOG OF BORING NO. B-2

Project Name: Oakwood Road District Bridge
Location: Sec. 09-14138-00-BR, N. 600 E. Road
City: Vermilion County, Illinois

GEOCON Project No.: 2-103041
Date of Boring: 11-3-2010
Field Representative: J. Lubben
Drilling Method: Hollow Stem Auger
Sheet 1 of 1

Depth (ft)	Elevation (ft)	Material Description	Water Level (ft)	Sample Number	Sample Type	N-value (blows/foot)	Qp (tsf)	Qu (tsf)	Moisture Content (%)	Sample Recovery (in)	Remarks
0	0.0	Ground Surface 659.0									
	-1.0	**TOPSOIL (12")**									
	-3.0	**FILL** Dark brown silty clay, very stiff, moist (FILL)	While Drilling	1		9	4.5+	--	24.4	3	
5	-6.0	**SILTY CLAY** Brown silty clay, stiff, moist		2		6	1.25	--	19.8	10	
	-7.5	**SAND** Brown fine to coarse sand, medium dense, wet		3		12	--	--	14.8	2	
	-9.5			4		10	1.75	--	12.1	10	
10	-11.0	**SILTY CLAY** 651.5 Gray silty clay, trace sand and gravel, stiff, moist		5		5	0.5	1.2	13.0	14	
	-13.0	**SAND** Gray fine to coarse sand, medium dense, wet		6		8	2.0	2.2	11.5	14	
15		**SILTY CLAY** Brown silty clay, trace sand, stiff, moist		7		9	2.5	3.2	9.6	16	
20		**SILTY CLAY** 646.0 Gray silty clay, trace sand and gravel, stiff to very stiff, moist		8		5	0.5	1.4	12.8	16	
25				9		15	4.5+	1.4	14.0	16	
30			While Drilling	10		47	4.5+	5.2	9.4	14	
	-33.0	626.0									
35		**SAND** Brown-gray fine sand, trace to little silt, very dense, moist		11		*	--	--	12.1	6	*N = 50 blows for 5 inches
	-37.5	Note: Auger and split-spoon refusal encountered at 37.5 feet. 621.5									
40		End of Boring		12		**	--	--	13.0	2	**N = 50 blows for 1 inch
45											
50											

Completion Depth: 40 feet
Water Level While Drilling: 6 and 35 feet
Water Level Upon Completion: 7.5 feet
Cave Depth: 23 feet
Borehole Backfill: Soil Cuttings

Comments:
Boring performed 38 feet west of centerline of N 600 E Road, and 38 feet south of centerline of E 2000 N Road.

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

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BORING 2