PROJECT Bethany Road Improvements, First St. to Kishwaukee Hospital Entrance, DeKalb

CLIENT Robert H. Anderson and Associates, St. Charles, Illinois

BORING 101 DATE STARTED 6-1-06 DATE COMPLETED 6-1-06 JOB L-66,169

ELEVATIONS

GROUND SURFACE 836.8

END OF BORING 761.8

WATER LEVEL OBSERVATIONS

▼ WHILE DRILLING 12.0 '

▽ AT END OF BORING N/A Mud Used

▼ 24 HOURS

SAMPLE NO.	SAMPLE TYPE	LENGTH RECOVERY	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS		4	25.4	1.25*	93			FILL - Black and brown silty CLAY and TOPSOIL, moist to very moist (A-7-6)
2	SS		7	25.8	1.25*	97			
3	SS		12	21.2	3.0*	105			
							8.0	828.8	
4	SS		8	36.8	3.0*				Black clayey TOPSOIL, very moist (A-7-5)
							10.5	826.3	
A 5 B	SS		7	30.9			12.0	824.8	Loose black silty CLAY and sandy CLAY layers, very moist (A-7-5)
							13.0	823.8	Loose dark gray silty SAND, some gravel, trace organic, wet (A-2-4)
6	SS		8						Loose gray SAND, some gravel, occasional Cobbles, wet (A-2-4)
							15.5	821.3	
7	SS		8						Loose to firm brown silty SAND, trace gravel, wet (A-2-4)
8	SS		17				19.0	817.8	
9	SS		32						Firm to dense brown silty SAND, trace gravel (A-2-4)
							23.0	813.8	
10	SS		22	11.2	3.97B 3.0*				Tough to very tough pinkish-gray very silty CLAY, some sand, trace gravel, occasional sand seams and Cobbles (A-4)
11	SS		16	12.0	2.35B 1.75*				
12	SS		11	12.1	1.90B 1.5*				
13	SS		18	11.3	2.15B 1.75*				

DISTANCE BELOW SURFACE IN FEET: 0, 5, 10, 15, 20, 25, 30, 35

TSC_EOB 66169.GPJ TSC_ALLDOT 7/12/06

DRILL RIG NO. 262

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

End of Boring at 75.0'

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SAMPLE NO.	SAMPLE TYPE	LENGTH RECOVERY	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
14	SS		14	10.4	2.27B 2.25*				Tough to very tough pinkish-gray very silty CLAY, some sand, trace gravel, occasional sand seams and Cobbles (A-4)
15	SS		15				43.5	793.3	Firm gray SAND and GRAVEL, trace silt, occasional Cobbles, wet (A-1-b/A-2-4)
16	SS		16				48.0	788.8	Firm gray silty SAND, trace gravel, wet (A-2-4)
							50.0	786.8	
17	SS		22						Firm to dense medium to fine SAND, trace silt, wet (A-2-4)
18	SS		38						
19	SS		29						
20	SS		24						

DISTANCE BELOW SURFACE IN FEET: 35, 40, 45, 50, 55, 60, 65, 70

TSC_EOB 66169.GPJ TSC_ALLDOT 7/12/06

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▼ 24 HOURS

SAMPLE NO.	SAMPLE TYPE	LENGTH RECOVERY	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
									Firm to dense medium to fine SAND, trace silt, wet (A-2-4)
							73.0	763.8	
21	SS		19						Firm gray SILT, some fine sand, wet (A-4)

* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

Bentonite mud slurry added to auger after 12 feet.

DISTANCE BELOW SURFACE IN FEET: 70, 75, 80, 85, 90, 95, 100, 105

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DRILL RIG NO. 262

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End of Boring at 75.0'

FILE NAME = W:\Projects\2010\100854 Bethany\Land\Structural\Dgn\D0196107-87491-021-SoilBoringLog01.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = $USER$	DESIGNED - MLH	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE =	DRAWN - MLH	REVISED -	
PLOT DATE = 7/6/2011	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG I
STRUCTURE NO. 019-6107
SHEET NO. 21 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	04-00167-00-BR	DEKALB	88	67
		CONTRACT NO.87491		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		