PROJECT South Scout Camp Road over Apple River Bridge, Jo Daviess County, IL

CLIENT Willett, Hofmann and Associates, Inc., Dixon, Illinois

BORING 1 DATE STARTED 2-11-10 DATE COMPLETED 2-11-10 JOB L-74,686

ELEVATIONS: GROUND SURFACE 695.7; END OF BORING 662.4

WATER LEVEL OBSERVATIONS: ▼ WHILE DRILLING 13.0 '; ▽ AT END OF BORING 9.0 '; ▼ 24 HOURS

SAMPLE NO.	TYPE	N	WC	Qu	γDRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						0.3	695.4	Bituminous Concrete
						1.2	694.5	Crushed Stone Base
1	SS	36	19.7	0.5*				FILL - Black clayey TOPSOIL, some sand and gravel, very moist (OL)
						3.5	692.2	
2	SS	7	24.3	2.25*				FILL - Dark brown very silty CLAY, little sand, trace organic, occasional gravel, occasional sand seams, very moist (CL/CH)
3	SS	4	22.2	1.0*				
4	SS	3	30.9	1.5*				▽
						10.5	685.2	
5	SS	6	30.9	0.75*				Soft to stiff black ORGANIC CLAY, very moist (OH) ▼
A 6 B	SS	13	28.8 11.2	0.5* <0.25*		14.0	681.7	Very soft dark gray and brown silty CLAY, some sand and gravel, numerous Cobbles, very moist (CL-ML/GC)
						16.0	679.7	
7	SS	19						Firm brown silty, clayey SAND and GRAVEL, occasional silt and clay layers, occasional Cobbles, wet (SC-SM/GC-GM)
8	SS	28						
						20.5	675.2	
9	SS	45						Dense brown silty SAND and GRAVEL, occasional silt and clay layers, occasional Cobbles, wet (SM/GM)
						23.0	672.7	
10	SS	59						Very dense brown silty fine SAND and GRAVEL, wet (SM/GM) (possible weathered rock)
						26.0	669.7	
11	SS	100/3"						Hard drilling - possible bedrock or boulders (limestone fragments in Sample 12)
12	SS	100/1"						

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

DRILL RIG NO. 334

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

End of Boring at 33.3'

PROJECT South Scout Camp Road over Apple River Bridge, Jo Daviess County, IL

CLIENT Willett, Hofmann and Associates, Inc., Dixon, Illinois

BORING 1 DATE STARTED 2-11-10 DATE COMPLETED 2-11-10 JOB L-74,686

ELEVATIONS: GROUND SURFACE 695.7; END OF BORING 662.4

WATER LEVEL OBSERVATIONS: ▼ WHILE DRILLING 13.0 '; ▽ AT END OF BORING 9.0 '; ▼ 24 HOURS

SAMPLE NO.	TYPE	N	WC	Qu	γDRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
								Hard drilling - possible bedrock or boulders (limestone fragments in Sample 12)
13	SS	100/0"						
								* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
								Auger refusal at 33.3 feet on probable bedrock or boulders.

DISTANCE BELOW SURFACE IN FEET: 30, 35, 40, 45, 50, 55, 60

DRILL RIG NO. 334

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

End of Boring at 33.3'

PROJECT South Scout Camp Road over Apple River Bridge, Jo Daviess County, IL

CLIENT Willett, Hofmann and Associates, Inc., Dixon, Illinois

BORING 2 DATE STARTED 2-12-10 DATE COMPLETED 2-17-10 JOB L-74,686

ELEVATIONS: GROUND SURFACE 695.7; END OF BORING 658.5

WATER LEVEL OBSERVATIONS: ▼ WHILE DRILLING 13.0 '; ▽ AT END OF BORING N/A - Wash Boring; ▼ 24 HOURS

SAMPLE NO.	TYPE	N	WC	Qu	γDRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						0.3	695.4	Bituminous Concrete
						1.1	694.5	Crushed Stone Base
1	SS	25	29.4	0.5*	93			FILL - Brown and black silty CLAY, trace to little sand and gravel, trace organic, moist to very moist (CL)
						3.0	692.7	
2	SS	5	23.1	2.5*	98			FILL - Dark brown very silty CLAY, trace to little sand, trace organic, occasional silt seams, moist to very moist (CL)
3	SS	4	25.7	0.75*	93			
A 4 B	SS	3	36.5 47.7	0.75* 0.5*	83			
						9.5	686.2	Soft black ORGANIC CLAY, trace peat, very moist (OH)
						10.5	685.2	
5	SS	4	36.0	<0.25*				Very soft brown ORGANC CLAY and silty SAND layers, very moist to wet (OL/SM)
						13.0	682.7	▼
6	SS	12						Firm brown silty, clayey SAND, occasional silt and clay layers, wet (SC-SM/GC-GM)
7	SS	23						
						18.0	677.7	
8	SS	30	11.9					Dense brown sandy SILT and silty GRAVEL layers, trace clay, very moist to wet (ML/GM)
						20.5	675.2	
9	SS	24	10.3					Firm brown clayey SILT, some sand and gravel, very moist (ML)
						23.0	672.7	Stiff varved brown and gray very silty CLAY and clayey SILT layers, trace organic seams, very moist (CL/ML)
A 10 B	SS	21	26.2	0.75*		24.5	671.2	Firm brown silty fine SAND, trace clay, wet (SM)
						25.5	670.2	
11	SS	77						Very dense grayish-brown silty fine SAND and GRAVEL, wet (SM/GM) (possible weathered rock)
12	SS	60/11"						

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

DRILL RIG NO. 334

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

End of Boring at 37.2'

BORING LOGS
SCOUT CAMP ROAD OVER BR. OF APPLE RIVER
STATION 13+60 (S.N. 043-3276)
SECTION 09-00133-00-BR
JO DAVIESS COUNTY
WHA # 1169D09

STRUCTURAL SHEET NO. 11 OF 12 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	F.A.S. 73	09-00133-00-BR	Jo Daviess	48	31
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

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