BRAUN INTERTEC

LOG OF BORING

Braun Project CR-13-03987
Geotechnical Evaluation
I-80 & I-380/US 218 Interchange
Johnson County
Coralville, Iowa

BORING: **BR2997**

LOCATION: Station 2544+64, Lt. 26

DRILLER: K. Elliott/C. Gracey | METHOD: 3 1/4" HSA, Autohammer | DATE: **8/10/16** | SCALE: **1" = 3.8'**

(See Descriptive Terminology sheet for explanation of abbreviations)

Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	MC %	Tests or Notes
749.9	0.0						
749.3	0.6	TS	Topsoil				
		CL	LEAN CLAY, brown to gray, moist, rather soft to medium (Loess)				
				3-3-3 (6)			
				2-2-3 (5)		24	LL= 32, PL= 21, PI= 11
735.9	14.0						
		CL	SANDY LEAN CLAY, trace Gravel, brown, moist, medium to very stiff (Glacial Till)	3-3-4 (7)			
				3-5-9 (14)			
				4-7-9 (16)			
				5-8-9 (17)		14	LL= 33, PL= 14, PI= 19

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BORING: **BR2997 (cont.)**
LOCATION: Station 2544+64, Lt. 26

DRILLER: K. Elliott/C. Gracey | METHOD: 3 1/4" HSA, Autohammer | DATE: **8/10/16** | SCALE: **1" = 3.8'**

(See Descriptive Terminology sheet for explanation of abbreviations)

Elev. feet 719.9	Depth feet 30.0	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	MC %	Tests or Notes
			SANDY LEAN CLAY, trace Gravel, brown, moist, medium to very stiff (Glacial Till) *(continued)*				
				5-7-8 (15)			
712.9	37.0						
		CL	SANDY LEAN CLAY with SAND seams, trace Gravel, dark gray, moist, rather stiff to hard (Glacial Till)		▽		
				7-9-12 (21)			
				16-20-21 (41)			
				5-7-9 (16)			
				4-5-7 (12)			
				5-7-8 (15)			

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Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	MC %	Tests or Notes
689.9	60.0		SANDY LEAN CLAY with SAND seams, trace Gravel, dark gray, moist, rather stiff to hard (Glacial Till) *(continued)*				
				4-5-7 (12)			
				5-6-7 (13)			No recovery
				4-5-7 (12)			
				5-7-8 (15)			
				3-5-8 (13)			
661.4	88.5						
		SC	CLAYEY SAND, fine-grained, brown and gray, moist, dense to very dense (Glacial Outwash)	22-47-33 (80)		15	LL= NA, PL= NP, PI= NP

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Elev. feet	Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	MC %	Tests or Notes
659.9	90.0		CLAYEY SAND, fine-grained, brown and gray, moist, dense to very dense (Glacial Outwash) *(continued)*	8-10-33 (43)			
651.4	98.5	SM	SILTY SAND, fine-grained, brown and gray, moist, very dense (Glacial Outwash)	18-22-30 (52)			
				16-21-29 (50)			No recovery
641.4	108.5	CL	SANDY LEAN CLAY with SAND seams, trace Gravel, dark gray, moist, hard (Glacial Till)	26-41-100 (141)			
636.4	113.5	LS	Highly weathered LIMESTONE (Bedrock)	*			*100 blows for 1 inch.
631.9	118.0	LS	Moderately weathered LIMESTONE, moderately hard, fine-grained, massive bedding, highly fractured, light gray				Run 1: 118' to 128' Recovery: 100% RQD: 52%

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Elev. feet 629.9	Depth feet 120.0	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	MC %	Tests or Notes
			Moderately weathered LIMESTONE, moderately hard, fine-grained, massive bedding, highly fractured, light gray *(continued)*				q_u= 15,400 psi
621.9	128.0						q_u= 12,400 psi
			AUGER REFUSAL AT 118 FEET.				
			Water observed at 38 feet while drilling.				
			Boring then backfilled.				

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