STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 855	11B-1	WHITE	25	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 8
8 SHEETS

Contract #94771

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 7 Materials

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Date 42104

ROUTE FAP 855 (IL 14) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION 11B-1 LOCATION 13 – SE 14, 24 – NE 14, SEC., TWP. 5 S, RNG. 8 E, 3 PM

COUNTY White DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 097-0017
Station Proposed 097-2013

BORING NO. 1
Station 35' W of center of exist bridge
Offset 17.00ft S of CL
Ground Surface Elev. 401.04 ft

Surface Water Elev. 390.47 ft
Stream Bed Elev. 389.88 ft

Groundwater Elev.:
First Encounter 373.5 ft
Upon Completion Washed ft
After 24 Hrs. 394.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Aggregate shoulder w/some cinders.	400.44				
Medium, damp, grey mottled red, CLAY.			5 / 5 / 6	0.7 / B	22
	396.54				
Soft, damp, gray, SILTY CLAY.		-5	1 / 2 / 3	0.4 / B	26
	394.04				
Medium to stiff, damp to very damp, gray, SILTY LOAM.			1 / 4 / 4	0.8 / B	22
		-10	1 / 1 / 2	0.4 / B	27
			3 / 5	1.3 / S	23
	386.54				
Medium to stiff, damp, damp, red mottled gray, SILTY CLAY.		-15	2 / 3 / 4	1.2 / B	26
			2 / 4 / 4	1.0 / BS	30
		-20	1		
Medium to stiff, damp, damp, red mottled gray, SILTY CLAY. (continued)			2 / 3	0.8 / B	20
	379.04				
Stiff, damp, red mottled gray, CLAY.			1 / 3 / 4	1.2 / B	21
	376.54				
Medium, damp, red mottled gray, CLAY LOAM.		-25	1 / 2 / 3	0.5 / B	21
	373.54		1		
Gray, fine grained, SAND.	373.34		3 / 6	0.6 / S	29
Medium, damp, red mottled gray, CLAY LOAM.	371.54				
Stiff, damp, gray, CLAY TILL.		-30	5 / 8 / 9	1.9 / B	16
	366.54				
Medium, very moist, gray, SANDY LOAM.		-35	8 / 18 / 23	0.8 / S	22
	361.54				
Stiff, damp, gray, SILTY CLAY.		-40	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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 7 Materials

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Date 42104

ROUTE FAP 855 (IL 14) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION 11B-1 LOCATION 13 – SE 14, 24 – NE 14, SEC., TWP. 5 S, RNG. 8 E, 3 PM

COUNTY White DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 097-0017
Station Proposed 097-2013

BORING NO. 1
Station 35' W of center of exist bridge
Offset 17.00ft S of CL
Ground Surface Elev. 401.04 ft

Surface Water Elev. 390.47 ft
Stream Bed Elev. 389.88 ft

Groundwater Elev.:
First Encounter 373.5 ft
Upon Completion Washed ft
After 24 Hrs. 394.2 ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Stiff, damp, gray, SILTY CLAY. (continued)			3 / 4	1.3 / B	27
	356.54				
Very stiff, damp, gray, SANDY CLAY LOAM w/few pebbles and sand pockets.		-45	3 / 9 / 14	2.9 / S	16
	351.54				
Stiff to very stiff, damp, gray, CLAY TILL.		-50	3 / 5 / 7	1.1 / B	22
		-55			
		-60	5		
Stiff to very stiff, damp, gray, CLAY TILL. (continued)			9 / 14	3.1 / B	24
		-65			
	331.54				
Very dense, very moist, gray, SANDY CLAY SHALE. Borehole continued with rock coring.	331.34	-70	50/2" / 50/0" / 50/0"		11
		-75			
		-80			

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)

Illinois Department of Transportation — ROCK BORING LOG

Division of Highways
District 7 Materials

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Date 42104

ROUTE FAP 855 (IL 14) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION 11B-1 LOCATION 13 – SE 14, 24 – NE 14, SEC., TWP. 5 S, RNG. 8 E, 3 PM

COUNTY White CORING METHOD Rotary, surface set diamond bit

STRUCT. NO. 097-0017
Station Proposed 097-2013

CORING BARREL TYPE & SIZE NW, conv dbl bbl, split inner
Core Diameter 2.06 in
Top of Rock Elev. 331.34 ft
Begin Core Elev. 331.34 ft

BORING NO. 1
Station 35' W of center of exist bridge
Offset 17.00ft S of CL
Ground Surface Elev. 401.04 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray, slightly weathered, SANDY CLAY SHALE w/thin black organic layering.	331.34	-70		100	86		
		-75		100	96		
	321.34	-80					
Extent of exploration.		-85					

Benchmark: USGS brass tablet #13W on NE wingwall of existing bridge = 401.42'

Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

BORING LOGS
F.A.P. RT. 855 SECTION 11B-1
WHITE COUNTY
STATION 283+14.49
STRUCTURE NO. 097-2013

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