STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 857	101BR-6	WHITE	100	42
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 23
27 SHEETS

Contract #98960

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Seven Materials

Page 1 of 2

Date 12/1/75

ROUTE FAP 857 (IL 14) DESCRIPTION Fox River LOGGED BY R. Metheney

SECTION 101BR-6 LOCATION NW 14, SEC. 29, TWP. 4 S, RNG. 14 E, 3 PM

COUNTY White DRILLING METHOD Solid stem auger HAMMER TYPE Automatic

STRUCT. NO. 097-0031
Station 174+14.21

BORING NO. 1
Station 170+39
Offset 4.50ft Lt
Ground Surface Elev. 363.09 ft

Surface Water Elev. 366.11 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very soft, wet, greenish brown, SILTY CLAY LOAM to SILTY CLAY.		1	0.1 S	35	
	360.09				
Very loose, wet, greenish brown, SAND.		3		15	
	358.09	-5			
Soft, wet, greenish brown, CLAY LOAM w/very thin lenses of fine grained sand w/wood.		1	0.3 S	31	
	355.59				
Loose to very loose, wet, brown, SAND w/small gravel particles.		3		18	
		-10			
		6		13	
	350.09				
Medium, wet, brown, SAND w/ gravel particles.		25		10	
		-15			
		18		11	
		-20			
Medium, wet, brown, SAND w/ gravel particles. (continued)		19		11	
		30		11	
		-25			
Dense, wet, SAND w/gravel particles and thin clay till lenses.	336.59	33		14	
	335.09				
Medium, very damp, SAND w/ gravel particles and thin clay till lenses.	333.59	27		9	
Very stiff, damp, gray, CLAY TILL.		-30			
		28	2.1 S	18	
	329.09	25	1.0 S	32	
Medium, very damp, CLAY, organic w/wood.	327.59	-35			
Medium, very damp, gray, CLAY LOAM to CLAY, highly organic w/ lenses of wood.		24	0.8 S	25	
		26	0.9 S	26	
		-40			

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)

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Page 2 of 2

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ROUTE FAP 857 (IL 14) DESCRIPTION Fox River LOGGED BY R. Metheney

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Station 174+14.21

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Station 170+39
Offset 4.50ft Lt
Ground Surface Elev. 363.09 ft

Surface Water Elev. 366.11 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Very soft, wet, greenish brown, SILTY CLAY LOAM to SILTY CLAY.	322.09				
Stiff, very damp, bluish green, SANDY CLAY to CLAY w/very thin sand lenses.		43	0.5 S	35	
	360.09				
Very loose, wet, greenish brown, 319.59 Estimated medium, very weathered, SANDSTONE and SAND.		3		15	
	358.09 -45				
Soft, wet, greenish brown, CLAY LOAM w/very thin lenses of fine grained sand w/wood.		1	0.3 S	31	
	316.09				
Estimated very dense.	355.59				
Very loose, wet, brown, SAND w/small gravel particles.	315.09				
Auger refusal.		3		18	
		-50			
Note: Cave in of hole, sand prevented sampling of material between elevation 315.09 and 319.59, very difficult augering between elevation 316.09 and 315.09		6		13	
Medium, wet, brown, SAND w/ gravel particles.	350.09	25		10	
		-55			
		18		11	
		-60			
Medium, wet, brown, SAND w/ gravel particles. (continued)		19		11	
		30		11	
		-25			
Dense, wet, SAND w/gravel particles and thin clay till lenses.	336.59	33		14	
	335.09				
Medium, very damp, SAND w/ gravel particles and thin clay till lenses.	333.59	27		9	
Very stiff, damp, gray, CLAY TILL.		-30			
		28	2.1 S	18	
	329.09	25	1.0 S	32	
Medium, very damp, CLAY, organic w/wood.	327.59	-35			
Medium, very damp, gray, CLAY LOAM to CLAY, highly organic w/ lenses of wood.		24	0.8 S	25	
		26	0.9 S	26	
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District Seven Materials

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Date 6/30/98

ROUTE FAP 857 (IL 14) DESCRIPTION Fox River LOGGED BY D. Lux

SECTION 101BR-6 LOCATION NW 14, SEC. 29, TWP. 4 S, RNG. 14 E, 3 PM

COUNTY White DRILLING METHOD Solid stem auger HAMMER TYPE Automatic

STRUCT. NO. 097-0031
Station 174+14.21

BORING NO. 2
Station 179+06.57
Offset 8.20ft Rt
Ground Surface Elev. 386.12 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 365.6 ft
Upon Completion 376.1 ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Bituminous and concrete pavement.	384.91				
Stiff, damp, gray marbled brown, CLAY w/small sand pockets.		6	1.2 B	25	
	381.62				
Medium, very damp, gray marbled brown, CLAY w/small fine grained sand pockets and lenses.		-5			
		4	0.8 BS	27	
	377.62				
Medium to stiff, damp to very damp, gray, CLAY w/fine grained sand lenses.		6	1.0 B	27	
		-10			
	376.12				
Stiff, damp to very damp, gray, CLAY.		7	1.1 BS	28	
	372.62				
Very stiff, damp, CLAY.		9	2.8 B	20	
	371.62				
Stiff, damp, gray, CLAY w/small wood pieces.		-15			
	369.12				
Medium, very damp to wet, gray, CLAY.		4	0.8 B	30	
	366.62				
		-20			
Very soft, wet, gray, CLAY w/ sandy loam and fine grained sand. (continued)		0	0.1 B	30	
		0	0.1 E	31	
	360.62				
Soft, wet, brown marbled gray, CLAY.		1	0.3 B	30	
		-30			
	354.12	1	0.4 B	31	
Very loose, water bearing, fine grained, gray marbled brown, SAND. 14% passing #200 sieve.					
	350.12				
Medium, water bearing, brown, mix of fine and coarse grained SAND. 5% passing #200 sieve.		11		14	
		14		13	
		-40			

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)

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Ground Surface Elev. 386.12 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft

Groundwater Elev.:
First Encounter 376.1 ft
Upon Completion ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium, water bearing, brown, mix of fine and coarse grained SAND. 5% passing #200 sieve. (continued)	344.12				
Could not retrieve samples – caving sand and gravel.					
		-45			
		-50			
		-55			
	326.12	-60			
Could not retrieve samples – caving sand and gravel.					
		-65			
		-70			
	315.39				
At elevation 315.39, hit apparent 100 blow count material, broke through at elevation 314.30. Estimated SANDSTONE.	314.30				
	313.30				
At elevation 313.30, hit apparent 100 blow count material, augered hard to elevation 309.61. Broke four augers in hole. Estimated SANDSTONE.		-75			
	309.61				
Extent of exploration.					
		-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)

BORING DETAILS
F.A.P. RT. 857 SEC. 101BR-6
WHITE COUNTY
STATION 171+58.50
STRUCTURE NO. 097-0071

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