

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Illinois Department of Transportation**  
Division of Highways  
District Seven Materials

### SOIL BORING LOG

Page 1 of 2  
Date 7/298

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.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After	(ft)	(ft)	(ft)	(%)	(ft)	(ft)	(%)
097-0031	174+14.21	3	169+28.43	9.20ft Lt	386.09	N/A	N/A											
Bituminous and concrete pavement. 384.81 Medium, wet, brown, CLAY w/ sand and sandy clay lenses. 385.09 Very loose, water bearing, brown, SAND, 5% passing #200 sieve. 4 18 4 0.8 22 1 18 -5 -25 Medium, water bearing, SAND w/ gravel. 390.09 4 0.8 23 11 18 359.09 Loose, water bearing, brown, SAND w/ gravel, clay lenses and sandy loam lenses. 359.09 4 0.9 18 8 18 -10 -30 5 0.6 23 4% passing #200 sieve. 5 15 374.09 Soft to medium, very damp, brown, CLAY w/ sand lenses and high sand content. 371.89 4 0.5 23 15 369.09 Very loose, water bearing, fine grained, brown, SAND w/ clay lenses, 10% passing #200 sieve. 347.59 3 19 Could not retrieve samples - caving hole. 346.09 -20 346.09 -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 T208) BSS, from 137 (Rev. 8-99)

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097-0031	174+14.21	3	169+28.43	9.20ft Lt	386.09	N/A	N/A											
Could not retrieve samples - caving hole. Augered to apparent 100 blow count material at elevation 320.49. 320.49 Augered to elevation 317.09. Augers were very tight bottom auger section and bit had what appeared to be weathered, gray, CLAY SHALE. 317.09 Extent of exploration. -70 326.09 -80																		

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097-0031	174+14.21	4	174+77.87	9.20ft Rt	387.01	N/A	N/A											
Bituminous surface and concrete bridge deck. 386.31 Air. (cont.) 386.11 Medium, very damp to wet, brown mottled black, CLAY. 4 0.8 27 382.51 Very soft, wet, brown marbled gray, CLAY. 0 0.2 35 320.49 0 0.2 34 353.51 Soft, wet, gray w/ black streaks, CLAY w/ organic odor. 0 0.3 32 -35 348.51 Very loose, water bearing, gray, SAND w/ small amounts of gravel, seashells, and organic odor. 2 15 -40																		

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097-0031	174+14.21	4	174+77.87	9.20ft Rt	387.01	N/A	N/A											
Loose, water bearing, brown, SAND w/ gravel and organic odor. 346.01 9 12 6% passing #200 sieve. 5 15 -45 -65 8 18 Could not retrieve samples - caving hole. Augered to apparent 100 blow count material at elevation 316.51. Estimated gray, CLAY SHALE. 316.51 339.01 13 15 -50 Extent of exploration. 316.51 -70 330.01 Could not retrieve samples - caving hole. 327.01 -80																		

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