

Page 1 of 1

Illinois Department of Transportation
Division of Highway District 7 Materials

SOIL BORING LOG

Date 7/24/96

ROUTE FAP 322 (US 51) DESCRIPTION Steve Creek LOGGED BY D. Lux

SECTION (24B)B-1 LOCATION SE 1/4, SEC. 28, TWP. 5 N. RANG. 1 E. 3 PM

COUNTY Fayette DRILLING METHOD Solid Stem Augers HAMMER TYPE Auto 140#

STRUCT. NO. 026-0039 Station 443+66.18

BORING NO. 1
Station 51.8 N of existing center
Offset 14.0ft W of existing CL
Ground Surface Elev. 517.87 ft (ft) (V/S) (tsf) (C)

DEPTH (ft)	SOIL DESCRIPTION	DEPTH (ft)	SOIL DESCRIPTION
0	Surface Water Elev. 512.10 ft Stream Bed Elev. 510.58 ft	0	Surface Water Elev. 512.10 ft Stream Bed Elev. 510.58 ft
	Groundwater Elev.: First Encounter 507.4 ft Upon Completion 507.5 ft After Hrs. N/A ft		Groundwater Elev.: First Encounter 507.4 ft Upon Completion 507.5 ft After Hrs. N/A ft
516.97	Augered through earth/aggregate shoulder. Medium damp to very damp, brown marbled gray & red CLAY.	516.87	Very stiff, damp, gray marbled brown, CLAY TILL. (continued)
		51	3.7 9
		48	6.2 9
493.37	2' fine grained sand-sandy loam lens.		
	Extent of exploration.		
	Benchmark: USGS #J265 Brass Cap on top of NE wingwall on existing bridge = 518.26'		
509.37	Medium to stiff, damp, gray marbled brown & red CLAY.		
508.37	Medium, very damp, gray marbled brown, CLAY w/ one 1" sand lens and some 3/8" gravel.		
504.37	Medium to stiff, very damp, gray marbled brown, CLAY w/ sand and some 3/8" gravel.		
501.87	Medium to stiff, water bearing, brown marbled gray & red, mixture of CLAY, SANDY CLAY, SANDY LOAM and SAND w/ 1/2" gravel & 2" clay till lens.		
499.87	Very stiff, damp, gray marbled brown, CLAY TILL.		

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)

Page 1 of 1

Illinois Department of Transportation
Division of Highway District 7 Materials

SOIL BORING LOG

Date 7/24/96

ROUTE FAP 322 (US 51) DESCRIPTION Steve Creek LOGGED BY D. Lux

SECTION (24B)B-1 LOCATION SE 1/4, SEC. 28, TWP. 5 N. RANG. 1 E. 3 PM

COUNTY Fayette DRILLING METHOD Solid Stem Augers HAMMER TYPE Auto 140#

STRUCT. NO. 026-0039 Station 443+66.18

BORING NO. 2
Station 64.6' S of existing center
Offset 55.0ft E of existing CL
Ground Surface Elev. 516.29 ft (ft) (V/S) (tsf) (C)

DEPTH (ft)	SOIL DESCRIPTION	DEPTH (ft)	SOIL DESCRIPTION
0	Surface Water Elev. 512.10 ft Stream Bed Elev. 510.58 ft	0	Surface Water Elev. 512.10 ft Stream Bed Elev. 510.58 ft
	Groundwater Elev.: First Encounter 510.8 ft Upon Completion 507.3 ft After Hrs. N/A ft		Groundwater Elev.: First Encounter 510.8 ft Upon Completion 507.3 ft After Hrs. N/A ft
514.28	STIFF, damp, brown marbled gray, SILTY CLAY w/ hair roots and organic odor.	514.28	Hard, damp, gray, CLAY TILL. (continued)
		54	4.2 10
	Medium, very damp, gray mottled brown & red, CLAY.		
	Extent of exploration.		
	Benchmark: USGS #J265 Brass Cap on top of NE wingwall on existing bridge = 518.26'		
	Higher Sand content, some 1/2" gravel.		
507.78	Medium to stiff, damp to very damp, gray marbled brown & red, CLAY w/ sand & 1/2" gravel.		
506.78	Medium, damp to very damp, gray marbled brown & red, CLAY w/ sand & 1/2" gravel and small sandstone fragments.		
502.78	Stiff, damp, brown marbled red, CLAY TILL.		
500.28	Hard, damp, gray, CLAY TILL.		

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)

SECTIONS, DETAILS & BILL OF MATERIAL

U.S. ROUTE 51 OVER
STEVE CREEK
F.A.P. ROUTE 322 - SECTION (24B)B-1
FAYETTE COUNTY
STATION 443+66.18
STRUCTURE NO. 026-2018

CHAMPAIGN, ILLINOIS
CHICAGO, ILLINOIS
INDIANAPOLIS, INDIANA
EVANSVILLE, INDIANA
KENOSHA, WISCONSIN
SPRING GREEN, WISCONSIN

Clark Dietz

REVISIONS	
NAME	DATE

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DESIGNED BY: <u>S.M.M.</u>	PROJECT NO: <u>102286</u>
DRAWN BY: <u>M.E.W.</u>	DATE: <u>4-95</u>
CHECKED BY: <u>M.M.</u>	
APPROVED BY: <u>S.C.F.</u>	
ACTIVITY: <u>DETAILS</u>	

DRAWING NUMBER
S-7