

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation  
Division of Highways  
District - Materials

### SOIL BORING LOG

Page 1 of 2

ROUTE \_\_\_\_\_ DESCRIPTION \_\_\_\_\_ LOGGED BY \_\_\_\_\_

SECTION \_\_\_\_\_ LOCATION \_\_\_\_\_

COUNTY Effingham DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. 025-0004  
Station \_\_\_\_\_

BORING NO. 5  
Station 5529A+44  
Offset 7.00ft LL CL S.B.L.  
Ground Surface Elev. 609.60 ft

DEPTH	DESCRIPTION	DRILLING METHOD	HAMMER TYPE	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev. ft	First Encounter Upon Completion After Hrs.	Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".	Unconfined Compressive Strength - 1/sf	Water Content - percentage of oven dry weight - %	Type Failure
	Hard, grey, CLAY LOAM TILL (continued)										
43								8.0			S 10
44								8.1			S 10
46								7.9			S 10
46	Very stiff, grey, CLAY LOAM TILL to SANDY CLAY LOAM TILL							4.1			S 10
50								7.5			S 10
59	Hard, brown grey, CLAY LOAM TILL							7.9			S 10
66								8.1			S 9
79	Hard, grey, CLAY LOAM TILL							8.1			S 9
79	Very stiff, grey green, very damp, CLAY LOAM to SILTY CLAY							8.3			S 10
59								8.3			S 10
	Hard, grey, CLAY LOAM TILL							8.1			S 9
								8.3			S 10

FLIGHT AUGERS

Flight augers used to approach elevation of proposed grade

600.60

594.60

573.10

571.10

564.60

609.60

600.60

594.60

573.10

571.10

564.60

609.60

600.60

594.60

573.10

571.10

564.60

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".  
Qu - Unconfined Compressive Strength - 1/sf  
w - Water Content - percentage of oven dry weight - %  
Type Failure:  
B - Bulge Failure  
S - Shear Failure  
E - Estimated Value

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	Hard, grey, CLAY LOAM TILL (continued)										
78								7.8			S 12
70								7.6			S 12
39								4.8			B 16

FLIGHT AUGERS

Hard, grey, CLAY LOAM TILL (continued)

78

70

564.60

39

609.60

600.60

594.60

573.10

571.10

564.60

609.60

600.60

594.60

573.10

571.10

564.60

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DESIGNED A.T.H.  
CHECKED S.J.B.  
DRAWN Drew Christopher  
CHECKED A.T.H. S.J.B.

March 6, 2006  
EXAMINED John A. Morris  
ENGINEER OF STRUCTURAL SERVICES  
PASSED Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES

This soil boring log is a recreation from the original information included with the 1962 design plans.

EXISTING BORING DATA  
F.A.I. RT. 57 SOUTH BOUND  
OVER GREEN CREEK  
EFFINGHAM COUNTY  
SN 025-0004