

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1832	5BR-2	WASHINGTON	97	82
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #76949

Illinois Department of Transportation
Division of Highways
District - Materials

SOIL BORING LOG

Page 1 of 1
Date 2/25/01

ROUTE FAS 1832 DESCRIPTION IL #60 over Branch of Plum Creek LOGGED BY J. King

SECTION 5BR-2 LOCATION SE 1/4, SE 1/4, SEC. 27, TWP. 15, RANG. 4W, 3 PM

COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 095-0078 (E) / Station 1511+80

BORING NO. 1 E. Abut Station 1511+90

Offset 15,000 Right
Ground Surface Elev. 448.72 ft

DEPTH (ft)	DIAMETER (ft)	SOIL TYPE	TESTS	REMARKS
0		Surface Water Elev. 438.72 ft		
0		Stream Bed Elev. 438.72 ft		
0		Groundwater Elev. 442.0 ft		
0		First Encounter Upon Completion After		
0		Gray SHALE (continued)		
3	0.65 S			
7	0.58 S	Gray LIMESTONE		
14.0		END OF BORING		
14.0		Brown and Gray Clay TILL		
16	1.63 B			
18	0.65 B			
19.7		Gray Clay TILL		
20	0.20 B			
23.2		Brown and Gray Clay TILL		
24	3.30 S			
25	2.57 S			
29.2		Gray SHALE		

NOTE: Value in Blows/6" Column is the N-Value of the Sample

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulk, (S)-Shear, (P)-Penetrometer
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, Form 137 (Rev. 8-99)

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SECTION 5BR-2 LOCATION SE 1/4, SE 1/4, SEC. 27, TWP. 15, RANG. 4W, 3 PM

COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 095-0078 (E) / Station 1511+80

BORING NO. 2 W. Abut Station 1511+70

Offset 15,000 Left
Ground Surface Elev. 448.52 ft

DEPTH (ft)	DIAMETER (ft)	SOIL TYPE	TESTS	REMARKS
0		Surface Water Elev. 438.72 ft		
0		Stream Bed Elev. 438.72 ft		
0		Groundwater Elev. 435.8 ft		
0		First Encounter Upon Completion After		
0		Gray Laminated SHALE (continued)		
3	0.52 B			
44.0		Brown and Gray Clay TILL		
45	1.30 B			
48	1.11 B			
50	1.10 S			
51	0.39 B			
54.0		Gray TILL		
55	5.54 S			
57	3.12 S			
60.2		Gray Laminated SHALE		

NOTE: Value in Blows/6" Column is the N-Value of the Sample

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B)-Bulk, (S)-Shear, (P)-Penetrometer
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, Form 137 (Rev. 8-99)

DESIGNED Nicholas R. Barnett
CHECKED Ray Ahanchi
DRAWN Gregory D. Farmer
CHECKED NRB/GRA

January 28 2008
EXAMINED Thomas J. Demagalaki
PASSED Ralph E. Anderson
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

SOIL BORING LOGS
F.A.S. RTE. 1832 - SEC. 5BR-2
WASHINGTON COUNTY
STATION 1511+01.00
STRUCTURE NO. 095-0078