

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1832	5BR-2	WASHINGTON	97	430A
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract #76949

Illinois Department of Transportation
Division of Highways
District 8 Macomb

SOIL BORING LOG

Page 1 of 1
Date 10/29/70

ROUTE FAS 1832 DESCRIPTION IL 180 over Plum Creek LOGGED BY C. Hoffman

SECTION 5BR-2 LOCATION SE 14, NE 14, SEC. 28, TWP. 1S, RNG. 4W, 3 PM

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

STRUCT. NO. 095-0077 (P)
Station 1453+15

BORING NO. 1 E. Abut
Station 1453+57
Offset 10.00ft Left
Ground Surface Elev. 441.31 ft

SOIL DESCRIPTION	DEPTH (ft)	BL	UCS	Failure Mode	DEPTH (ft)	BL	UCS	Failure Mode
Brown CLAY	50	1.65	15		50	1.65	15	
	12	0.76	29		100+	1.55	16	
Dark Gray Clayey SILT	8	0.52	29		100+	NC	14	
Dark Gray SILT	4	0.16	35		100+	NC	12	
Dark Gray Silty Sandy CLAY	7	0.62	25					
Gray and Brown Coarse SAND and Fine GRAVEL	22	NC						
Gray and Brown Coarse SAND and Coarse GRAVEL	12	NC						
Brown Highly Weathered SHALE	38	0.81	20					
Gray Weathered SHALE								

Surface Water Elev. _____ ft
Stream Bed Elev. 429.51 ft
Groundwater Elev.: _____ ft
First Encounter Upon Completion _____ ft
After _____ Hrs. _____ ft

Gray Weathered SHALE (continued)

END OF BORING

NOTE: Value in Blow# Column is the N-Value of the Sample

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)

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ROUTE FAS 1832 DESCRIPTION IL 180 over Plum Creek LOGGED BY C. Hoffman

SECTION 5BR-2 LOCATION SE 14, NE 14, SEC. 28, TWP. 1S, RNG. 4W, 3 PM

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

STRUCT. NO. 095-0077 (P)
Station 1453+15

BORING NO. 2 W. Abut
Station 1452+71
Offset 10.00ft Right
Ground Surface Elev. 439.91 ft

SOIL DESCRIPTION	DEPTH (ft)	BL	UCS	Failure Mode	DEPTH (ft)	BL	UCS	Failure Mode
Brown Silty CLAY	100+	NC	11		100+	NC	14	
	10	0.97	26		100+	NC	14	
Brown and Gray Clayey SILT	11	0.62	26		100+	NC	14	
Dark Gray Silty CLAY	12	1.96	24					
Gray Clay TILL	12	1.46	22					
	10	1.07	20					
Brown Clay TILL	86	3.42	14					
Gray Clay TILL	80	4.33	12					
Gray Weathered SHALE								

Surface Water Elev. _____ ft
Stream Bed Elev. 429.51 ft
Groundwater Elev.: _____ ft
First Encounter Upon Completion _____ ft
After _____ Hrs. _____ ft

Gray Weathered SHALE (continued)

END OF BORING

NOTE: Value in Blow# Column is the N-Value of the Sample

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)

DESIGNED Phillip R. Litchfield
CHECKED Nicholas R. Barnett
DRAWN Gregory D. Farmer
CHECKED PRL/NRB

EXAMINED *Thomas J. Demagala*
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 CO.
STATION 1453+11.50
STRUCTURE NO. 095-0077