

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	DATE	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 - Macoupin

SOIL BORING LOG

Page 1 of 1
Date 10/29/70

ROUTE FAS 1832 DESCRIPTION IL 160 over Plum Creek LOGGED BY C. Hoffman
SECTION 5BR-2 LOCATION SE 1/4, NE 1/4, SEC. 28, TWP. 1S, RNG. 4W, 3 PM
COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 095-0077 (E) / 095-0077 (P)
Station 1453+15
BORING NO. 1 E. Abut
Station 1453+57
Offset 10.00ft Left
Ground Surface Elev. 441.31 ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UNIT WEIGHT (pcf)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	SOIL CLASSIFICATION
0-50	Brown CLAY	12	0.78	29				15 S
50-100	Dark Gray Clayey SILT	8	0.52	29				14 NC
100-100+	Dark Gray SILT	4	0.16	35				12 NC
100+ - 412.4	Dark Gray Silty Sandy CLAY	7	0.62	25				14 NC
412.4 - 429.4	Gray and Brown Coarse SAND and Fine GRAVEL	22						NC
429.4 - 426.9	Gray and Brown Coarse SAND and Coarse GRAVEL	12						NC
426.9 - 424.4	Brown Highly Weathered SHALE	38	0.81	20				14 S
424.4 - 421.9	Gray Weathered SHALE							

Surface Water Elev. _____ ft
Stream Bed Elev. 429.51 ft
Groundwater Elev.:
First Encounter 431.9 ft
Upon Completion _____ ft
After _____ Hrs.

Gray Weathered SHALE (continued)

END OF BORING

NOTE: Value in Blow6" 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 160 over Plum Creek LOGGED BY C. Hoffman
SECTION 5BR-2 LOCATION SE 1/4, NE 1/4, SEC. 28, TWP. 1S, RNG. 4W, 3 PM
COUNTY Washington DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 095-0077 (E) / 095-0077 (P)
Station 1453+15
BORING NO. 2 W. Abut
Station 1452+71
Offset 10.00ft Right
Ground Surface Elev. 439.91 ft

DEPTH (ft)	SOIL DESCRIPTION	BLOWS	UNIT WEIGHT (pcf)	WATER CONTENT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	MOISTURE CONTENT (%)	SOIL CLASSIFICATION
0-100	Brown Silty CLAY	10	0.97	28				14 NC
100-100+	Brown and Gray Clayey SILT	11	0.62	26				14 NC
100+ - 413.5	Dark Gray Silty CLAY	12	1.96	24				14 NC
413.5 - 430.5	Gray Clay TILL	12	1.46	22				14 B
430.5 - 426.0	Brown Clay TILL	10	1.07	20				14 B
426.0 - 423.0	Gray Clay TILL	86	3.42	14				14 B
423.0 - 420.5	Gray Weathered SHALE	80	4.33	12				14 S

Surface Water Elev. _____ ft
Stream Bed Elev. 429.51 ft
Groundwater Elev.:
First Encounter 428.0 ft
Upon Completion _____ ft
After _____ Hrs.

Gray Weathered SHALE (continued)

END OF BORING

NOTE: Value in Blow6" 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. Donagalski
PASSED Ralph E. Anderson

SOIL BORING LOGS
F.A.S. RTE. 1832 - SEC. 5BR-2
WASHINGTON CO.
STATION 1453+11.50
STRUCTURE NO. 095-0077