STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 310	(101BY) BR	WARREN	97	486
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16
16 SHEETS

Contract #88798

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 4/2500

ROUTE _____ DESCRIPTION US 67 over Tom's Creek LOGGED BY DPS

SECTION (101 BY) BR LOCATION NW 1/4, NE 1/4, SEC. 3, TWP. 12N, RNG. 2W, 4th PM

COUNTY WARREN DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 094-0049 (PROP)
Station 73+09 (EXIST)

BORING NO. 1 (WEST ABUT)
Station 72+99
Offset 13.00ft RT
Ground Surface Elev. 644.88 ft

Surface Water Elev. 627.66 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 628.4 ft ▽
Upon Completion * ft
After 24 Hrs. 632.4 ft ▽

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Brown & Gray SILT CLAY			
	2		
-5	2 3	.87 B	26
	1		
-5	2 3	1.59 B	21
638.38			
Gray & Brown SITL CLAY	2		
	2 3	1.73 B	24
635.88			
Gray SILTY CLAY LOAM	1		
-10	1 2	.21 B	24
	2		
▽	2 3	.92 S	28
630.88			
Dark Gray SITLY CLAY LOAM	1		
-15	1 2	.48 B	30
628.38 ▼			
Gray & Brown SILT CLAY	1		
	2 2	.95 B	28
625.88			
Brown & Gray SILT CLAY	1		
-20	1		
Brown & Gray SILT CLAY (continued)			
623.38	2	.74 B	28
Brown & Gray SILTY CLAY LOAM	1		
	2 2	.25 B	29
	2		
-25	2 2	.37 B	27
618.38			
Gray SILT CLAY	1		
	2 4	.95 B	25
615.88			
Gray CLAY LOAM	2		
-30	3 4		20
613.38			
Gray SHALE	17		
	42 50@3"		15
	100@4"		9
-35			
607.96	100@5"		9
No rock cores due to poor quality of shale			
* NONE-COLLAPSED @ 12.2'			
End of Boring			
-40			

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 4/2600

ROUTE _____ DESCRIPTION US 67 over Tom's Creek LOGGED BY DPS

SECTION (101 BY) BR LOCATION NW 1/4, NE 1/4, SEC. 3, TWP. 12N, RNG. 2W, 4th PM

COUNTY WARREN DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 094-0001 (EXIST)
094-0049 (PROP)
Station 73+09 (EXIST)

BORING NO. 2 (EAST ABUT)
Station 73+35
Offset 5.50ft LT
Ground Surface Elev. 643.86 ft

Surface Water Elev. 627.66 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 624.9 ft ▽
Upon Completion 629.4 ft ▽
After 24 Hrs. NONE ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
8" BIT. CONC.			
8" PCC			
642.56			
Brown & Gray SILT CLAY	3		
	2 3	2.18 S	23
639.86			
Gray SILT CLAY	2		
-5	2 3	1.32 S	28
	2		
	2 2	2 P	23
634.86			
Brown & Gray SILTY CLAY LOAM	2		
-10	3 5	.91 B	25
632.36			
Dark Gray SILT CLAY	1		
	3 4	1.24 S	29
629.86			
Gray SILT CLAY	1		
▽ -15	2 3	1.15 B	26
627.36			
Gray & Brown SANDY CLAY LOAM	1		
	1 2	.66 B	23
624.86 ▼			
Gray SANDY CLAY LOAM	H		
-20	1		
Gray SANDY CLAY LOAM (continued)			
622.96	2	.21 B	26
Gray LOAM with small sand seams	H		
620.86	1 1	.48 B	26
Gray SILTY CLAY LOAM	H		
-25	1 2	.37 B	30
	H		
	1 2	.58 B	25
	H		
-30	1 2	.54 B	29
612.36			
Gray SANDY CLAY LOAM with gravel	3		
	2 7	.92 B	20
609.86			
Gray SHALEY CLAY	7		
-35	9 16	6.76 S	16
	15		
	32 42	9.38 S	15
604.86			
Gray SHALE	25		
-40	100@6"		

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SECTION (101 BY) BR LOCATION NW 1/4, NE 1/4, SEC. 3, TWP. 12N, RNG. 2W, 4th PM

COUNTY WARREN DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 094-0001 (EXIST)
094-0049 (PROP)
Station 73+09 (EXIST)

BORING NO. 2 (EAST ABUT)
Station 73+36
Offset 5.50ft LT
Ground Surface Elev. 643.86 ft

Surface Water Elev. 627.66 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 624.9 ft ▽
Upon Completion 629.4 ft ▽
After 24 Hrs. NONE ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Gray SHALE (continued)			12
	31		
	100@3"		11
600.44	100@5"		15
No rock cores due to poor quality of shale			
End of Boring			
-45			
-50			
-55			
-60			

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)

BORING LOGS
F.A.P. ROUTE 310 - SECTION (101BY)BR
WARREN COUNTY
STATION 73+02
STRUCTURE NO. 094-0049