Illinois Department of Transportation
Division of Highways
Tenscon

SOIL BORING LOG

Page 1 of 1

Date 2/19/14

ROUTE 174 DESCRIPTION WB Camp St at I-74 WB LOGGED BY AF

SECTION D-4 Sign Trusses LOCATION Tazewell, SEC., TWP., RNG., Latitude , Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 4S090U150L005.50(exist)
Station

BORING NO. 4-32 Median
Station 90+39 (camp st sta)
Offset 15.0 ft Rt CL
Ground Surface Elev. 99.21 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 86.2 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT, approximately 6" 98.71			
CONCRETE, approximately 16" 97.41	12		
CRUSHED STONE AGGREGATE, approximately 6" 96.91	6 2	2.5 P	21
FILL: SANDY CLAY LOAM, with gravel, gray, stiff 96.21	1		
FILL: SANDY LOAM, brown, loose -5	2 4		12
	1		
	2 3		20
90.71			
FILL: SANDY CLAY, gray, soft to medium stiff	1		
-10	2 2	0.4 B	17
87.71	4		
FILL: SAND, with clay seams, brown, loose to medium dense	5 3		12
	5		
-15	6 13		24
83.21	5		
SANDY CLAY LOAM, brown, stiff	6 6		20
81.71	33		
SHALEY CLAY (highly weathered shale), gray, hard -20	50/3"		16

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SHALEY CLAY (highly weathered shale), gray, hard *(continued)*	26		
	50/5"		14
	32		
-25	50/5"		10
	10		
	22 30		19
	13		
69.21 -30	28 50/5"		11
End of Boring			
-35			
-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, form 137 (Rev. 8-99)

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SECTION D-4 Sign Trusses LOCATION Tazewell, SEC., TWP., RNG., Latitude , Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 4S090U150L005.50(exist)
Station

BORING NO. 4-32 Ramp
Station 10+67 (ramp sta)
Offset 6.5 ft Rt BL
Ground Surface Elev. 99.41 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 83.4 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: SAND, brown, loose to medium dense (first sample frozen)	2		
	3 3		8
	3		
	6		7
-5	8		
	6		
	8 9		7
	6		
	9 9		19
-10	5		
	6 8		23
	2		
	10 16		16
-15	15		
82.41	12 12		17
SANDY LOAM, with rock fragments, brown, medium dense (possible fill) 80.41	7		
SILTY CLAY LOAM, gray, very stiff -20	7 10	2.5 P	21

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SILTY CLAY LOAM, gray, very stiff *(continued)*	8		
	13 15	2.7 S	19
	5		
74.91	10	4.5	17
SHALEY CLAY (highly weathered shale), gray, hard -25	24	P	
	21		
	29 50/3"	2.5 B	15
	27		
69.41 -30	50/5"	2.0 S	13
End of Boring			
-35			
-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, form 137 (Rev. 8-99)

NOTE:
SHOP DRAWINGS SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO FABRICATION

FILE NAME = overhead sign plans.dgn	USER NAME = davissa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 39.3701 ' / in.	CHECKED -	REVISED -
Model	PLOT DATE = 3/21/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D4-4 OVD SIN STR REPL 14-47	VARIOUS	65	65
		CONTRACT NO. 46314		
		ILLINOIS FED. AID PROJECT		