Elevation equation: Elev. 100.00 = 642.01

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date

ROUTE S.B.I. 25 DESCRIPTION Old Route 45 over Trib. Langan Creek LOGGED BY J. Legan

SECTION 38BR LONGITUDE LATITUDE

COUNTY Iroquois DRILLING METHOD HAMMER TYPE

STRUCT. NO. 038-0184
Station 500+53

BORING NO. 1 (S. Abut.)
Station 501+19
Offset 12' Lt.
Ground Surface Elev. 99.8 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
BL. SICL	97.8				
STIFF BR. SICL	95.8		13	1.7 S	22
VERY STIFF DK. BR. SICL	93.3	-5	11	2.2 S	21
STIFF DK. BR. SICL	90.8		10	1.9 B	18
VERY STIFF OL. GR. SICL	88.3	-10	8	2.1 S	21
HARD OL. GR. SIC-TILL	85.8		18	6.6 S	18
VERY STIFF OL. GR. SIC-TILL	83.3	-15	17	3.7 S	19
VERY STIFF GR. SIC-TILL		-20	11	2.7 B	18
VERY STIFF GR. SIC-TILL (continued)	78.3		12	2.5 B	19
STIFF GR. SIC-TILL	75.8		14	1.7 S	21
VERY STIFF GR. SIC	70.8	-25	17	3.7 B	20
VERY STIFF GR SICL-TILL (PCS. LS)	68.3	-30	14	3.1 B	21
HARD GR. SIC	63.8	-35	51	2.8 S	23
		-40	68/8"	–	13
			70/10"	–	14

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. 11-11)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 11/08/0

ROUTE S.B.I. 25 DESCRIPTION Old Route 45 over Trib. Langan Creek LOGGED BY J. Legan

SECTION 38BR LONGITUDE LATITUDE

COUNTY Iroquois DRILLING METHOD HAMMER TYPE

STRUCT. NO. 038-0184
Station 500+53

BORING NO. 2 (N. Abut.)
Station 499+50
Offset 10' Lt.
Ground Surface Elev. 100.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 79.0 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF YL. BR. SIC-TILL	96.0		12	2.7 S	15
STIFF YL. BR. SICL	93.5	-5	10	1.2 9	19
STIFF BL. SICL	91.0		10	1.7 S	25
STIFF OL. BR. SICL	88.5	-10	7	1.3 S	24
VERY STIFF YL. BR. SIC-TILL	86.0		11	2.9 S	20
HARD YL. BR. SIC-TILL	83.5	-15	12	4.3 S	21
VERY STIFF BR. GR. SIC-TILL		-20	22	3.8 S	21
VERY STIFF BR. GR. SIC-TILL (continued)	78.5		22	–	–
VERY STIFF GR. SIC-TILL	76.0		17	2.9 B	19
HARD GR. SIC-TILL	73.5	-25	23	4.4 S	18
MEDIUM GR. CLAY	71.0		22	–	30
VERY STIFF GR. SICL	68.5	-30	36	3.1 S	21
HARD GR. SIC-TILL	66.0		39	9.6 S	11
HARD GR. SILT		-35	77/11"	3.9 S	21
	61.0		79/10"	2.8 P	19
HARD GR. SICL		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Date 11/08/0

ROUTE S.B.I. 25 DESCRIPTION Old Route 45 over Trib. Langan Creek LOGGED BY J. Legan

SECTION 38BR LONGITUDE LATITUDE

COUNTY Iroquois DRILLING METHOD HAMMER TYPE

STRUCT. NO. 038-0184
Station 500+53

BORING NO. 2 (N. Abut.)
Station 499+50
Offset 10' Lt.
Ground Surface Elev. 100.0 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion 79.0 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
HARD GR. SICL (continued)		-45	62/6"	3.1 S	14
		-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, form 137 (Rev. 11-11)

DESIGNED - Fess Teklehaimanot	EXAMINED	DATE - SEPTEMBER 3, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - Ray Ahanchi	ACTING ENGINEER OF BRIDGE DESIGN		
DRAWN - h.t. duong	PASSED	REVISED	
CHECKED - FT/GRA	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED	

SOIL BORING LOGS
STRUCTURE NO. 038-0184

SHEET NO. 11 OF 11 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38BR	IROQUOIS	35	24
		CONTRACT NO. 66A72		
	ILLINOIS	FED. AID PROJECT		