Sh. 1 of 1 Sh.

BRIDGE FOUNDATION BORING LOG

PROJECT I-57-6 BRIDGE FAI Route 57 Date March 18, 1965
ROUTE FAI 57 over Spring Creek Bored By C. I. Bassing
SEC 38-8 B STA. 1357+52 Checked By J. E. Safranski

COUNTY Iroquois
E. Bridge Pier #2
Boring No. #7
Station 1357+64.25
Offset 59' Lt.

Surface Water El. 691.00
Groundwater El at Completion 678.75
After -- Hours --

Description	Elevation	N	Qu t/s.f.	w (%)
Ground Surface	693.25			
Stiff Brownish Black SILTY CLAY	689.75	5	1.3 S	28
Very Stiff Brown & Gray CLAY (Till)(First 6" of sample was gravelly)	687.25	9	3.5 S	17
Hard Brown to Gray CLAY (Till)	682.25	26	6.2 S	19
Very Stiff Gray CLAY (Till)	677.75	17	4.5 B	18
		15	3.3 B	18
		16	3.5 B	19

NOTE: This pier was inaccessible to the Foundation Boring Machine Standard Test
Results were obtained through the use of tripod, drive-casing, motorized cathead, and a suspended McCulloch engine to clean out casing.

N – Standard Penetration Test – Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30"

Qu – Unconfined Compressive Strength – t/sf

w – Water Content – percentage

Type failure
B – Bulge Failure
S – Shear Failure
E – Estimated Value

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2
Date 8/11/09

ROUTE I-57 DESCRIPTION I-57 (S.B.) over Spring Creek, 2.5 miles South of the Buckley Interchange LOGGED BY LM
SECTION 38-8B LOCATION S.W. 1/4 of N.W. 1/4, SEC. 3, TWP. 24N, RNG. 10E, 3rd PM
COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 038-0147 (Exist.)
Station 1357+52.48
BORING NO. 1 (S.W. Quad.)
Station 1358+24.48
Offset 67.00ft Rt.
Ground Surface Elev. 703.10 ft

Surface Water Elev. 687.92 ft
Stream Bed Elev. 687.68 ft
Groundwater Elev.:
First Encounter 644.6 ft ▼
Upon Completion 658.1 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black, Gray, Brown Silty Clay Loam Fill	700.60				
Very Stiff to Stiff Black, Brown, Gray Silty Clay Loam Till Fill	695.60	-5	3 4 5	3.0 P	21.4
Very Stiff Dark Gray Silty Clay/Silty Clay Loam	691.10	-10	3 4 5	2.6 S	26.8
Stiff to Very Stiff Gray Silty Clay Loam Till with layers of Sand/Fine Gravel & Loam	688.60	-15	3 3 3	2.0 P	21.8
Hard Gray Silty Clay Loam Till		-20	6 12 4 8 10	6.1 S 5.7 S	15.9 15.0
Hard Gray Silty Clay Loam Till (continued)		-25	6 9 12 5 8 12	7.0 S 6.8 S	15.8 16.9
			5 8 11	1.5 P	18.9
Hard Gray Clay Till	676.10	-30	4 6 9 4 6 9	2.6 S 4.5 S	26.8 21.2
			4 5 2	2.8 S	20.0
Stiff to Very Stiff Gray Clay Tillish - mainly Clay with minor Fine Gravel & Silt	671.10	-35	3 4 5 2 4 5 1 4 4	3.3 B 2.3 B 2.3 B	24.4 26.9 27.1
		-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
District #3, Ottawa

SOIL BORING LOG

Page 2 of 2
Date 8/11/09

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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff Gray Clay Tillish - mainly Clay with minor Fine Gravel & Silt (continued)			1 3 4 1 3 3	2.1 B 1.9 B	25.4 19.6
Very Stiff Gray Silty Clay Loam Till *Large Rock @ 46'	658.60	-45	8 100/4"	2.5 P	14.8
Hard Gray Silty Clay Loam/Silty Loam Till	653.60	-50	4 6 9 10 11	3.7 S 4.3 S	22.3 12.2
		-55	11 15 31	9.2 S	10.4
Dense to Very Dense Brown Fine Sand to Coarse Gravel with Free Water	644.60 ▼	-60			
Dense to Very Dense Brown Fine Sand to Coarse Gravel with Free Water (continued)			15 22 38 16 31 42		12.6 10.1
	639.10				
End of Boring		-65			
		-70			
		-75			
		-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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FILE NAME = 0380222&0223_66948_031_borlog4.dgn	USER NAME = rgrimm	DESIGNED - JLS	REVISED -
		CHECKED - AAY	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 08\18\2011	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS (4 OF 5)
STRUCTURE NO. 038-0222/0223
SHEET NO. S31 OF S41 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(38-8) BR & BR-1	IROQUOIS	73	46

CONTRACT NO. 66948
ILLINOIS FED. AID PROJECT

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