ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A. U. 5952	①	GRUNDY	86	78
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

①Q-BR

SHEET NO. S5 OF S7 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WB9

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

SOIL BORING LOG

Page 1 of 1 — Date 11/22/00

ROUTE FAU 5952/SBI7(US6) — DESCRIPTION RETAINING WALL ALONG US 6 EAST OF NETTLE CREEK BRIDGE 032-0076 — LOGGED BY BS IDOT

SECTION [(G,Q)R], (Q)R, BR, BR-1 — LOCATION SE 1/4, SEC. 31, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE AUTOMATIC

STRUCT. NO. ______ Station ______

BORING NO. 9 — Station 451+15 — Offset 12.50ft RT — Ground Surface Elev. 536.29 ft

Surface Water Elev. ______ ft — Stream Bed Elev. ______ ft

Groundwater Elev.: First Encounter 521.3 ft — Upon Completion NONE ft — After ____ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGER SAMPLE Brown SILTY CLAY	533.79				
Stiff Black & Brown SILTY CLAY (FILL)			3 / 6 / 6	1.5 B	21.0
		-5	3 / 4 / 6	2.0 P	21.0
	529.29				
Medium Brown SANDY LOAM	527.79		1 / 2	0.7	21.0
Loose Brown Coarse SAND	526.79		3	-	13.0
Hard Brown LOAM TILL	524.29	-10	1 / 3 / 7	4.0 P	14.0
Loose Brown SAND & GRAVEL	523.29		33		
Hard Gray SANDY LOAM TILL			48 / 58	4.5 P	8.0
		-15	20 / 33 / 27	4.5 P	10.0
	519.29				
Dense (Hard) Greenish Gray Laminated SHALE		-20	10 / 80 / 42	4.7 S	10.0
Dense (Hard) Greenish Gray Laminated SHALE (continued)			13 / 26 / 35	4.5 P	10.0
		-25	18 / 90 / 150	- / -	13.0
	509.79				
End of Boring		-30, -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, from 137 (Rev. 8-99)

WB10

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

SOIL BORING LOG

Page 1 of 1 — Date 1/21/00

ROUTE FAU 5952/SBI7(US6) — DESCRIPTION RETAINING WALL ALONG US 6 EAST OF NETTLE CREEK BRIDGE 032-0076 — LOGGED BY BS IDOT

SECTION [(G,Q)R], (Q)R, BR, BR-1 — LOCATION SE 1/4, SEC. 31, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE AUTOMATIC

STRUCT. NO. ______ Station ______

BORING NO. 10 — Station 451+90 — Offset 19.00ft RT — Ground Surface Elev. 536.10 ft

Surface Water Elev. ______ ft — Stream Bed Elev. ______ ft

Groundwater Elev.: First Encounter 522.1 ft — Upon Completion 522.1 ft — After ____ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGER SAMPLE Dark Brown SILTY CLAY	534.10				
Very Stiff Black/Brown SILTY CLAY TILL (FILL)			3 / 4 / 7	3.1 B	19.0
		-5	4 / 4 / 7	1.9 S	23.0
	529.60				
Stiff Brown/Black SILTY CLAY	528.60		3		
Loose Brown SAND & GRAVEL			2 / 3	0.5 P	20.0
	526.10	-10	3		
Medium Light Brown to White SAND			10 / 8	- / -	9.0
	523.60		13		
Medium Fine Grained Brown SAND	523.10		26		
Hard Gray SANDY LOAM TILL			43	4.5	9.0
		-15	13 / 39 / 30	4.5 P	9.0
	519.60				
TOP OF ROCK Dense (Hard) Greenish Gray Calcareous SHALE		-20	14 / 33 / 37	1.4 S	12.0
TOP OF ROCK Dense (Hard) Greenish Gray Calcareous SHALE (continued)		-25	30 / 53 / 143	4.5 P	12.0
	510.10				
End of Boring		-30, -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, from 137 (Rev. 8-99)

WB11

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

SOIL BORING LOG

Page 1 of 1 — Date 1/22/00

ROUTE FAU 5952/SBI7(US6) — DESCRIPTION RETAINING WALL ALONG US 6 EAST OF NETTLE CREEK BRIDGE 032-0076 — LOGGED BY BS IDOT

SECTION [(G,Q)R], (Q)R, BR, BR-1 — LOCATION SE 1/4, SEC. 31, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE AUTOMATIC

STRUCT. NO. ______ Station ______

BORING NO. 11 — Station 453+00 — Offset 17.00ft RT — Ground Surface Elev. 536.30 ft

Surface Water Elev. ______ ft — Stream Bed Elev. ______ ft

Groundwater Elev.: First Encounter ______ ft — Upon Completion NONE ft — After ____ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGER SAMPLE Black SILTY CLAY	534.30				
Hard Black/Brown SILTY CLAY (FILL)	532.30		4 / 5 / 4	4.5 P	19.0
Very Stiff Brown SILTY CLAY (FILL)	529.80	-5	5 / 4 / 5	2.2 P	-
Medium Brown SILTY CLAY (FILL)	527.30		1 / 2 / 2	0.8 B	23.0
Soft to Medium Brown SANDY LOAM	524.80	-10	2 / 4 / 10	0.5 P	14.0
Hard Brown LOAM TILL	522.30		7 / 17 / 24	4.5 P	13.0
Hard Gray SANDY LOAM TILL	519.80	-15	20 / 23 / 22	- / -	9.0
TOP OF ROCK Dense Gray Laminated SHALE			40 / 80 / 100	- / -	7.0
		-20	23		
TOP OF ROCK Dense Gray Laminated SHALE (continued)			56 / 100/3"	- / -	-
		-25	20 / 70 / 100/4"	- / -	-
	510.30				
End of Boring		-30, -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, from 137 (Rev. 8-99)

WB12

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

SOIL BORING LOG

Page 1 of 1 — Date 1/27/00

ROUTE FAU 5952/SBI7(US6) — DESCRIPTION RETAINING WALL ALONG US 6 EAST OF NETTLE CREEK BRIDGE 032-0076 — LOGGED BY BS IDOT

SECTION [(G,Q)R], (Q)R, BR, BR-1 — LOCATION SE 1/4, SEC. 31, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY — DRILLING METHOD Hollow Stem Auger — HAMMER TYPE AUTOMATIC

STRUCT. NO. ______ Station ______

BORING NO. 12 — Station 454+20 — Offset 19.00ft RT — Ground Surface Elev. 536.22 ft

Surface Water Elev. ______ ft — Stream Bed Elev. ______ ft

Groundwater Elev.: First Encounter 524.2 ft — Upon Completion 528.2 ft — After ____ Hrs. ______ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGER SAMPLE Brown SILTY CLAY (FILL)	533.72				
Hard Brown SILTY CLAY TILL	531.72		3 / 5 / 5	4.5 P	14.0
Very Stiff Dark Brown CLAY LOAM	529.22	-5	3 / 3 / 4	2.5 B	16.0
Soft to Medium Brown SANDY LOAM	526.72		WOH / 1 / 3	0.5 P	17.0
Hard Brown to Gray SANDY LOAM TILL	524.22	-10	1 / 4 / 8	4.5 P	10.0
Hard Pinkish Gray LOAM TILL			8 / 11 / 15	8.0 B	10.0
	520.22	-15	9 / 15 / 25	9.0 S	10.0
Hard Gray CLAY	516.72		14 / 21	4.5 P	18.0
Hard Gray SILTY LOAM TILL		-20			
Hard Gray SILTY LOAM TILL (continued)	512.22		11 / 29 / 18	4.5 P	9.0
Dense Gray SHALE		-25	60 / 100/2"	4.5 P	8.0
	509.72				
End of Boring		-30, -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, from 137 (Rev. 8-99)

DESIGNED	BLU
CHECKED	MRM
DRAWN	MRM
CHECKED	BLU

DATE: 3/19/07

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

SOIL BORINGS 1
RETAINING WALL #3
STA. 450+35 TO STA. 459+80
U.S. ROUTE 6
FAU 5952-SEC. Q-BR
GRUNDY COUNTY
S.N. 032-8803