Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 02/99R

ROUTE Winn Rd / Nippersink Crk DESCRIPTION North Abutment LOGGED BY AR

SECTION Sec 25 in Richmond Twsp LOCATION NE of North Abutment

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-6123 Station 31+28

BORING NO. S-1 N Abutment Station 31+28 Offset 18.00ft East of Q

Ground Surface Elev. 764.00 ft

Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 746.0 ft ▽ Upon Completion 758.0 ft ▽ After Hrs. ft

DEPTH ft	BLOWS	Qu	MOIST %	DEPTH ft	BLOWS	Qu	UCS tsf	MOIST %
Approximately 12" inches of ASPHALT pavement 763.00				Gray SILTY CLAY, trace sand and gravel, stiff, wet (continued)				
FILL: Brown SILTY CLAY with pockets of sand and gravel, moist 762.00	2 4 4		10.1		3 4 4	2.5 P	22.1	
FILL: Brown fine SAND, moist 761.00	3 4 4		5.2	12 inch layer of sand at 22 feet	3 4 4		16.6	
FILL: Brown SILTY CLAY, trace gravel and sand, moist	2 1 2		11.2	Grayish brown fine SAND, trace gravel, medium dense to dense, saturated 739.20	4 6 9		18.6	
turning gray at 6 feet	1 2 2		18.8		6 9 13		12.0	
Roots and mottled silty clay encountered at 12 feet 753.00	2 2 3		31.8		5 8 16		12.2	
Gray SILTY CLAY, trace sand and gravel, medium soft to stiff, moist	4 5 6	1.5 P	17.0	Gray fine SAND with gravel, dense, saturated 724.60	12 17 14		8.6	
748.60 ▼	2 3 4	1.0 P	23.3		26 15		12.0	
Gray SILTY CLAY, trace sand and gravel, stiff, wet	4 5 5	2.0 P	20.0		4 15 18		18.1	

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)

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STRUCT. NO. 056-6123 Station

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Surface Water Elev. ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 746.0 ft ▽ Upon Completion 758.0 ft ▽ After Hrs. ft

DEPTH ft	BLOWS	Qu	UCS tsf	MOIST %
Gray fine SAND with gravel, dense, saturated (continued)				
	4			
	15		12.1	
	10			
	9			
	12		22.5	
719.00	18		19.0	
END OF BORING AT 45 FEET				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
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Illinois Department of Transportation

SOIL BORING LOG

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Date 04/06

ROUTE Winn Rd / Nippersink Crk DESCRIPTION North Pier LOGGED BY DM

SECTION Sec 25 in Richmond Twsp LOCATION North Pier NW

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-6123 Station

BORING NO. S-2 North Pier Station 30+62 Offset 10.00ft West of Q

Ground Surface Elev. 764.10 ft

Surface Water Elev. 13.50 ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 750.0 ft ▽ Upon Completion 750.0 ft ▽ After Hrs. 750.0 ft ▽

DEPTH ft	BLOWS	Qu	UCS tsf	MOIST %
Approximately 5 inches of ASPHALT 763.61				
Approximately 8 inches of RAP/HMA/ CONCRETE 763.27				
Approximately 18 inches of cement bound sand and base stone 762.62				
Approximately 5 inches of reinforced Concrete 762.10				
FILL	2 1 2		18.5	
Gray fine SAND, very loose, saturated	1 1 1			
741.60	6			
Gray gravelly fine SAND, medium dense, wet	25 11		4.0	
	8 7 7		9.5	
	10 15 16		5.8	
	10 16 9		15.0	
750.60 ▼	12 10 11		5.7	
Water	729.60			
Gray fine SAND, medium dense, to dense, wet	8 9 11		22.7	
742.10	9 10 11		22.1	
Dark gray fine SAND with silt, trace gravel, very loose, saturated	C C 1		22.5	
744.10				

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)

Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 04/06

ROUTE Winn Rd / Nippersink Crk DESCRIPTION North Pier LOGGED BY DM

SECTION Sec 25 in Richmond Twsp LOCATION North Pier NW

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-6123 Station

BORING NO. S-2 North Pier Station 30+62 Offset 10.00ft West of Q

Ground Surface Elev. 764.10 ft

Surface Water Elev. 13.50 ft Stream Bed Elev. ft

Groundwater Elev.: First Encounter 750.0 ft ▽ Upon Completion 750.0 ft ▽ After Hrs. 750.0 ft ▽

DEPTH ft	BLOWS	Qu	UCS tsf	MOIST %
Gray fine SAND, medium dense to dense, wet (continued)	10 11 12		20.1	
	8 14 20		20.5	
	7 8 12		23.5	
Gray silty fine SAND, trace gravel, medium dense, very moist to wet	10 11 12		21.1	
718.10	7 18 15		23.5	
Gray silty fine SAND, dense, wet	12 22 20		19.3	
709.10	8 13 25		19.2	
Gray silty SAND with gravel, dense to very dense, wet	14 27 34		15.8	

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)

SOIL BORING LOGS
WINN ROAD
OVER NIPPERSINK CREEK
F.A.U. ROUTE 0157
SECTION NO. 07-00012-00-BR
MCHENRY COUNTY
STATION 30+56.78
STRUCTURE NO. 056-6123

DATE: 6/23/11

DESIGNED	JMW
CHECKED	RGD
DRAWN	RCB
CHECKED	RGD

FILE NAME: 090212-sb01.dgn
PLOT DRIVER: prf.plt
PEN TABLE: standard-trans.tbl

Illinois Professional Design Firm # 184-000108

SEC GROUP, INC.
An HR Green Company
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www.secgroupinc.com
• McHenry, IL • Yorkville, IL • New Lenox, IL • Chicago, IL

SHEET NO. S-19	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-20 SHEETS	0157	07-00012-00-BR	McHENRY	41	31
			CONTRACT NO. 63544		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	BRM-8003 (921)	