Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 6/2/08

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

SECTION Sec 25 in Richmond Twsp LOCATION South Pier SW

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3123
Station

BORING NO. S-3 South Pier
Station 30+32
Offset 10.00ft East of C/L
Ground Surface Elev. 764.00 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Approximately 6 inches of ASPHALT	763.83		
Approximately 5 inches of Reinforced Concrete	763.42		
Approximately 10 inches of pavement between upper and lower deck	763.00		
Approximately 5 inches of Reinforced Concrete			
Air			
Water	751.00 ▽		
Gray/dk brown SAND with gravel, very loose, saturated	749.00	6 1 1	11.6

Surface Water Elev. 753.00 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 751.0 ft ▽
Upon Completion 751.0 ft ▽
After Hrs. 750.0 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Gray/dk brown SAND with gravel, very loose, saturated (continued)	2 2 2		11.0
Gray gravelly silty fine SAND, loose, saturated	741.00 3 4 4		31.2
Gray SAND with gravel, medium dense, wet	738.00 9 15 9 7 7		10.7 10.2
	30 7 7 8		6.1
	10 13		4.2
Gray sandy SILT, medium dense, wet	726.00 12 12 18		24.0
Gray silty fine SAND, medium dense to dense, wet	720.00 9 11 12		24.6

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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Date 6/2/08

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

SECTION Sec 25 in Richmond Twsp LOCATION South Pier SW

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3123
Station

BORING NO. S-3 South Pier
Station 30+32
Offset 10.00ft East of C/L
Ground Surface Elev. 764.00 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Gray silty fine SAND, medium dense to dense, wet (continued)	11 13 17		10.1
Gray sandy GRAVEL, dense, saturated	732.00 15 17 15		
END OF BORING AT 47 FEET	717.00 10 12 18 18		

Surface Water Elev. 753.00 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 751.0 ft ▽
Upon Completion 751.0 ft ▽
After Hrs. 751.0 ft ▽

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

SOIL BORING LOG

Page 1 of 2

Date 5/28/08

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

SECTION Sec 25 in Richmond Twsp LOCATION South Abutment

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3123
Station

BORING NO. S-4 S.Abutment
Station 29+65
Offset 13.00ft West of C/L
Ground Surface Elev. 784.20 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Approximately 8¼ inches of ASPHALT pavement	784.00		
FILL: Dark brown to brown SILTY CLAY with sand, moist	3 4 7	0.5	
	3 3 2		10.7
FILL: Black and dark brown CLAY, trace organics, moist	768.20 2 2 2	0.5	
	2 2 2		21.8
Black ORGANIC CLAY/PEAT with fibers, very soft, moist	748.70 ▽ 1 2 2	0.0 P	123.6
Gray SILTY CLAY, trace sand, medium stiff, moist	739.20 2 3	0.5 P	20.3
	2 3	0.5 P	27.9
	744.20 2 3	0.5 P	27.3

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 750.7 ft ▽
Upon Completion 750.7 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Grayish brown SAND with clay, loose, wet	2 2		23.8
Gray brown SAND, with gravel, trace silt, medium dense to dense, wet	741.20 3 8 10		8.2
	3 5 9		8.1
	8 11 13		8.4
	9 15 14		7.2
	8 13 10		7.1
	9 14 16		8.1
	9 15 17		21.5

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

SOIL BORING LOG

Page 2 of 2

Date 5/28/08

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

SECTION Sec 25 in Richmond Twsp LOCATION South Abutment

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3123
Station

BORING NO. S-4 S.Abutment
Station 29+65
Offset 13.00ft West of C/L
Ground Surface Elev. 784.20 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu	MOIST (%)
Gray brown SAND, with gravel, trace silt, medium dense to dense, wet (continued)	13 18 19		21.5
	15 17 19		10.9
END OF BORING AT 45 FEET	739.20		

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 753.7 ft ▽
Upon Completion 750.7 ft ▽
After Hrs. ft

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	JMW
CHECKED	RGD
DRAWN	RCB
CHECKED	RGD

FILE NAME: 090212 sht02.dgn
PLOT DRIVER: pdf.plt
PEN TABLE: standard-trans.tbl

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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

SHEET NO. S-20	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-20 SHEETS	0157	07-00012-00-BR	McHENRY	41	32
			CONTRACT NO. 63544		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	BRM-8003 (921)	