

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) I-11	WILL	176	99
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAGE 1 of 2

SOIL BORING LOG

DATE 10/9/2008

LOGGED BY DR

GSI JOB No. 08092

ROUTE F.A.I. RTE 55 DESCRIPTION F.A.I. Route 55 Noise Abatement Walls (US Rte. 52 to US Rte. 30)

SECTION 99 (1&2) WRS LOCATION Wall #3 (East Frontage Road Between Black Road & Caton Farm Road)

COUNTY Will DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

JOB No. D-91-318-01 CONTRACT No. 60B03

BORING No. NW3-44 Station: 491+45 Offset: 85' Right Ground Surface Elev. 593.3 ft

DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS
0		11.5" ASPHALT, 24.5" CRUSHED STONE-loose		0			
6				6			
3				3			
3	NP			3	NP		
590.3				590.3			
2	100	CLAYEY GRAVEL & FRACTURED ROCK-gray-dense (A-2)		2			
2				2			
-5	3 1.2B			-5			
567.8				567.8			
4		GRAVEL-gray-very dense (A-1-a)		4			
4				4			
1	1.75P			1	NP		
565.3				565.3			
3		SANDY LOAM with Fractured Rock-gray-very dense (A-2)		3			
3				3			
-10	3 1.25P	Drillers Observation: Apparent Bedrock		-10			
562.8				562.8			
3		RUN 1 (-30.5' to -40.5')		3			
3		Silurian System Niagaran Series Dolomite		3			
3	0.75P			3			
3		Light gray with horizontal bedding. Fine grained with some pyrite replacement in fractures. Horizontal fractures @ -30.6', -32.0', -33.4', -35.0', -35.6', -36.0', -36.9', -37.3', -38.0' & -39.1'. Vertical fracture with numerous intersecting horizontal fractures from -39.1' to -40.5'.		3			
4				4			
-15	5			-15			
577.8				577.8			
7				7			
10		Recovery=100.0%		10			
8	NP	R.Q.D.=84.0%		8	NP		
10				10			
12				12			
-20	14			-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulk, (S) Shear, (P) Penetration (BT-Shaly Tube Sample VS-Vane Shear Test) The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 2958) The Unit Dry Weight (pcf) is noted in *italics* above notes (N) NR-No Recovery

PAGE 2 of 2

SOIL BORING LOG

DATE 10/9/2008

LOGGED BY DR

GSI JOB No. 08092

ROUTE F.A.I. RTE 55 DESCRIPTION F.A.I. Route 55 Noise Abatement Walls (US Rte. 52 to US Rte. 30)

SECTION 99 (1&2) WRS LOCATION Wall #3 (East Frontage Road Between Black Road & Caton Farm Road)

COUNTY Will DRILLING METHOD Hollow Flight Auger/Rotary HAMMER TYPE CME Automatic

JOB No. D-91-318-01 CONTRACT No. 60B03

BORING No. NW3-44 Station: 491+45 Offset: 85' Right Ground Surface Elev. 593.3 ft

DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS
0				0			
6				6			
3				3			
3	NP			3	NP		
590.3				590.3			
2	100	CLAYEY GRAVEL & FRACTURED ROCK-gray-dense (A-2)		2			
2				2			
-5	3 1.2B			-5			
567.8				567.8			
4		GRAVEL-gray-very dense (A-1-a)		4			
4				4			
1	1.75P			1	NP		
565.3				565.3			
3		SANDY LOAM with Fractured Rock-gray-very dense (A-2)		3			
3				3			
-10	3 1.25P	Drillers Observation: Apparent Bedrock		-10			
562.8				562.8			
3		RUN 1 (-30.5' to -40.5')		3			
3		Silurian System Niagaran Series Dolomite		3			
3	0.75P			3			
3		Light gray with horizontal bedding. Fine grained with some pyrite replacement in fractures. Horizontal fractures @ -30.6', -32.0', -33.4', -35.0', -35.6', -36.0', -36.9', -37.3', -38.0' & -39.1'. Vertical fracture with numerous intersecting horizontal fractures from -39.1' to -40.5'.		3			
4				4			
-15	5			-15			
577.8				577.8			
7				7			
10		Recovery=100.0%		10			
8	NP	R.Q.D.=84.0%		8	NP		
10				10			
12				12			
-20	14			-20			

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PAGE 1 of 1

ROCK CORE LOG

DATE XX

LOGGED BY DR

GSI JOB No. 08092

ROUTE F.A.I. RTE 55 DESCRIPTION F.A.I. Route 55 Noise Abatement Walls (US Rte. 52 to US Rte. 30)

SECTION 99 (1&2) WRS LOCATION Wall #3 (East Frontage Road Between Black Road & Caton Farm Road)

COUNTY Will CORING METHOD Rotary Wash

JOB No. D-91-318-01 CORING BARREL TYPE & SIZE NX Double Swivel-10 ft.

CONTRACT No. 60B03 Core Diameter 2.0 in

BORING No. NW3-44 Top of Rock Elev. 564.3 ft

Station: 491+45 Begin Core Elev. 562.8 ft

Offset: 85' Right

Ground Surface Elev. 593.3 ft

DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS	DEPTH (ft)	DIAMETER (in)	SOIL TYPE	REMARKS
0				0			
6				6			
3				3			
3	NP			3	NP		
590.3				590.3			
2	100	CLAYEY GRAVEL & FRACTURED ROCK-gray-dense (A-2)		2			
2				2			
-5	3 1.2B			-5			
567.8				567.8			
4		GRAVEL-gray-very dense (A-1-a)		4			
4				4			
1	1.75P			1	NP		
565.3				565.3			
3		SANDY LOAM with Fractured Rock-gray-very dense (A-2)		3			
3				3			
-10	3 1.25P	Drillers Observation: Apparent Bedrock		-10			
562.8				562.8			
3		RUN 1 (-30.5' to -40.5')		3			
3		Silurian System Niagaran Series Dolomite		3			
3	0.75P			3			
3		Light gray with horizontal bedding. Fine grained with some pyrite replacement in fractures. Horizontal fractures @ -30.6', -32.0', -33.4', -35.0', -35.6', -36.0', -36.9', -37.3', -38.0' & -39.1'. Vertical fracture with numerous intersecting horizontal fractures from -39.1' to -40.5'.		3			
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10				10			
12				12			
-20	14			-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B) Bulk, (S) Shear, (P) Penetration (BT-Shaly Tube Sample VS-Vane Shear Test) The SPT (N) value is the sum of the last two blow values in each sampling zone (ASTM D 2958) The Unit Dry Weight (pcf) is noted in *italics* above notes (N) NR-No Recovery

Color pictures of the cores XX Cores will be stored for examination for XX

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

SHT. S-5 OF S-6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (BLACK ROAD TO U.S. ROUTE 30)
 NOISE ABATEMENT WALLS
 NOISE WALL OVER SUNNYLAND DRAIN AT EAST FRONTAGE ROAD
 S.N. 099-0032, STA. 391+89.74, SECTION 99 (1&2) I-11
 WILL COUNTY

SOIL BORING LOGS I

SCALE: _____ DRAWN BY CB
 DATE 02/06/09 CHECKED BY BGK

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS