CONTRACT NO. 60B03

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99 (1&2) I-11	WILL	176	100
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurelius Road, Suite 100
Naperville, Illinois 60540
(630) 355-2448

SOIL BORING LOG

PAGE 1 of 1
DATE 10/2/2008
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 Straight Flight Auger/Rotary
HAMMER TYPE CME Automatic

JOB No. D-91-318-01
CONTRACT No. 60B03
BORING No. NW3-45
Station: 492+35
Offset: 85' Right
Ground Surface Elev. 593.6

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 6.0'
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
11.5" ASPHALT, 1.5" SAND & GRAVEL	592.5				
CLAY-brown & gray- very stiff (A-6)			4 4 3	3.5P	18
			2 3 3		105
	587.6	-5		2.8B	20
SAND & GRAVEL-brown- medium dense (A-1)	585.6		4 6 9	NP	12
CLAY-dark brown to black- stiff (A-8)	583.1	-10	3 3 3	1.75P	22
PEAT-dark brown to black (A-8)	578.1	-15	3 2 2 3 1 1	0.75P -	68 47
Clayey SAND & GRAVEL-gray- medium dense (A-2)	575.6		2 7 7	-	20
SAND & GRAVEL-gray- loose to dense (A-1)		-20	6 4 5	NP	11
SAND & GRAVEL-gray- loose to dense (A-1)	570.6		13 15 19	NP	8
SILT-gray-medium dense (A-4)	568.1	-25	5 3 7	NP	22
FRACTURED ROCK-gray- very dense (A-1)	566.1		50/2"	NP	8
Drillers Observation: Apparent Bedrock	565.1				
RUN 1 (-28.5' to -37.5') Silurian System Niagaran Series Dolomite		-30			
Light gray with horizontal bedding. Fine grained with pyrite replacement in fractures. Highly fractured with intersecting vertical & horizontal fractures from -28.5' to -30.4'. Horizontal fractures @ -30.8' & -31.0'. Vertical fracture from -31.0' to -31.3'. Horizontal fractures @ -31.5', -32.2', -32.5', -32.6', -32.7', -32.8', -33.1', -33.4' & -34.4'. Vertical fracture from -34.4' to -35.2'. Horizontal fractures @ -35.4' & -36.2'.		-35			RUN 1
Recovery = 100.0% R.Q.D. = 53.3% 100.0% Water Loss	556.1				
End Of Boring @ -37.5' Straight Flight Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' of 4.0"* Casing Used		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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ROCK CORE LOG

PAGE 1 of 1
DATE 10/2/2008
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
CORING METHOD Rotary Wash

JOB No. D-91-318-01
CONTRACT No. 60B03
BORING No. NW3-45
Station: 492+35
Offset: 85' Right
Ground Surface Elev. 593.6

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 566.1
Begin Core Elev. 565.1

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
RUN 1 (-28.5' to -37.5') Silurian System Niagaran Series Dolomite	565.1		1	100.0	53.3	n/a	1000@ -35.5'
Light gray with horizontal bedding. Fine grained with pyrite replacement in fractures. Highly fractured with intersecting vertical & horizontal fractures from -28.5' to -30.4'. Horizontal fractures @ -30.8' & -31.0'. Vertical fracture from -31.0' to -31.3'. Horizontal fractures @ -31.5', -32.2', -32.5', -32.6', -32.7', -32.8', -33.1', -33.4' & -34.4'. Vertical fracture from -34.4' to -35.2'. Horizontal fractures @ -35.4' & -36.2'.							
Recovery = 100.0% R.Q.D. = 53.3% 100.0% Water Loss	-33.5						
	-38.5						

Color pictures of the cores XX Cores will be stored for examination for XX
The "Strength" column represents the unlaxial compressive strength of the core sample (ASTM D-2938)

SHT. S-6 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 II

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

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

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

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