

Geo SERVICES, Inc. Geotechnical, Environmental & Civil Engineering 805 Archer Street, Suite 204 Naperville, Illinois 62565 (630) 251-2236		SOIL BORING LOG		PAGE 1 of 2	
ROUTE <u>IL Route 59 (FAP 338)</u>		DESCRIPTION <u>Illinois Route 59-Aurora Avenue/New York Street To Ferry Road</u>		DATE <u>12/28/2011</u>	
SECTION <u>(112 & 113) WRS-5</u>		LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>		LOGGED BY <u>RJ</u>	
COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>		GSI JOB No. <u>09173</u>	
STRUCT. No. <u>022-2030 NB</u>		Surface Water Elev. <u>n/a</u>		DEPTH	
Station: <u>4058+30.47 IL Rte. 59</u>		Stream Bed Elev. <u>n/a</u>		BULGE	
BORING NO. <u>BS-04</u>		Groundwater Elevation:		UCS	
Station: <u>4059+26 IL Rte. 59</u>		First Encounter <u>Dry to -10.0'</u>		SHELF	
Offset: <u>113.6' Left</u>		Upon Completion <u>n/a</u>		QUICK	
Ground Surface Elev. <u>705.8</u>		After _____ Hrs. _____		MOIST	
				(ft) (/6") (tsf) (%)	
6.0" TOPSOIL-black		705.3		AS - 33	
				6	
				6	
				7 1.75P 22	
CLAY LOAM-dark brown to black-stiff (A-6) Fill		682.8		4 121	
				4	
				7 1.4B 12	
				3	
				4	
				5	
				7 1.5P 28	
		700.3		-25 6 - 15	
				3	
				10	
				8 1.4B 14	
CLAY-brown & gray-very stiff to hard (A-6)		695.3		4	
				5	
				9	
				-10 14 6.2B 19	
		692.8		4	
				5	
				8 2.8B 21	
CLAY-gray-very stiff (A-6)		690.3		8	
				9	
				-15 11 - 12	
CLAYEY SAND & GRAVEL-gray medium dense (A-2)		688.8		5	
				8	
				-35 9 1.4B 13	
				3	
				7	
				11 1.0P 10	
CLAY LOAM with Gravel-gray-stiff (A-6)		682.8		4	
				5	
				5	
				-20 8 1.75P 11	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS-Bulge, S-Shear, P-Penetrometer) ST-S 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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SECTION <u>(112 & 113) WRS-5</u>		LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N, RNG. 9E, Naperville Township</u>		LOGGED BY <u>RJ</u>	
COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger/Rotary</u> HAMMER TYPE <u>CME Automatic</u>		GSI JOB No. <u>09173</u>	
STRUCT. No. <u>022-2030 NB</u>		Surface Water Elev. <u>n/a</u>		DEPTH	
Station: <u>4058+30.47 IL Rte. 59</u>		Stream Bed Elev. <u>n/a</u>		BULGE	
BORING NO. <u>BS-04</u>		Groundwater Elevation:		UCS	
Station: <u>4059+26 IL Rte. 59</u>		First Encounter <u>Dry to -10.0'</u>		SHELF	
Offset: <u>113.6' Left</u>		Upon Completion <u>n/a</u>		QUICK	
Ground Surface Elev. <u>705.8</u>		After _____ Hrs. _____		MOIST	
				(ft) (/6") (tsf) (%)	
				CLAY LOAM-gray-hard (A-6)	
				643.8	
				CLAY-gray-stiff to very stiff (A-6)	
				5	
				9	
				-45 17 1.6B 25	
		658.8		14	
				15	
				-65 20 - 13	
				3	
				10	
				8 1.4B 14	
SANDY CLAY LOAM with Gravel-gray-dense to very dense (A-2)		658.8		4	
				5	
				22	
				-50 95/2"NP 9	
				37	
				41	
				-70 52 NP 9	
		633.8		4	
				5	
				14	
				13	
				-55 12 NP 11	
				-75 NP 25	
		631.8		100/1"	
				FRACTURED ROCK-gray-very dense (A-1)	
				628.8	
				Drillers Observation: Possible Bedrock	
				End Of Boring @ -77.0'	
				Hollow Stem Augers to -10.0'	
				Rotary Drilling To Completion	
				CME Automatic Hammer	
				10.0' Of 4.0" Casing Used	
		648.8		4	
				5	
				-60 11 5.6B 13	
				-80	
CLAY LOAM-gray-hard (A-6)		648.8		4	
				5	
				-60 11 5.6B 13	
				-80	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (BS-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test
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KNIGHT
Engineers & Architects

DESIGNED - GSI	REVISED
CHECKED - WPM	REVISED
DRAWN - TB	REVISED
CHECKED - WPM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
S.N. 022-2029 (SB) TOLLWAY B.N. 826
S.N. 022-2030 (NB) TOLLWAY B.N. 825
SHEET NO. SA-59 OF 63 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-5	DUPAGE	963	643
CONTRACT NO. 60131				
ILLINOIS FED. AID PROJECT				