

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Arnhem Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 3/18/2010
LOGGED BY MD
GSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. - Station -
BORING NO. RW-19 Station 516+50 Offset 12.0' Left Ground Surface Elev. 877.5

		Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:					
						First Encounter <u>875.0</u>				Upon Completion <u>870.5</u>					
		After _____ Hrs.													
DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
15.0" ASPHALT 3.0" SAND & GRAVEL 6.0" CONCRETE															
			26		6		108								
	875.5		50/0"		9										
			NP	4	13	3.8B	20								
					4		108								
			3		5										
			4	1.0P	8	2.2B	21								
CLAY LOAM-dark brown & gray-stiff (A-6) Fill, Wet															
			2		3		108								
			2		5										
			3	1.25P	6	2.25B	21								
			3		3		108								
			4		6										
			6	1.4B	7	1.8B	22								
	867.0														
CLAY-brown & gray-very stiff to hard (A-6)															
			4		4		108								
			6		6										
			7	2.3B	7		19								
			5		4		108								
			7		6										
			10	1.6B	7	2.5B	21								
			6		4		107								
			8		8										
			11	2.5B	11		20								
	859.5														
CLAY-gray-stiff to very stiff (A-6)															
			4		3		108								
			9		5										
			13	2.5B	5	1.8B	22								
			40		7	1.8B	22								
End Of Boring @ -40.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10' Of 4.0" Casing Used CME Automatic Hammer															

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

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Arnhem Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 3/18/2010
LOGGED BY MD
GSI JOB No. 09177

ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10
SECTION 116 Y-1-R-1 LOCATION S 1/2, SEC. 23, TWP. 42N, RNG. 9E, 3rd PM, Barrington Township
COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic

STRUCT. NO. - Station -
BORING NO. RW-20 Station 517+25 Offset 11.5' Left Ground Surface Elev. 877.1

		Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:					
						First Encounter <u>n/a</u>				Upon Completion <u>n/a</u>					
		After _____ Hrs.													
DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST	DEPTH	BULGE	UCS	MOIST
(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
8.0" ASPHALT 6.0" SAND & GRAVEL 10.0" CONCRETE															
	875.1		50/2"		3		112								
					5										
			NP	7	7	2.4B	18								
CLAY LOAM-dark brown & gray-stiff (A-6) Fill															
			3	1.25P	4		108								
			3		5		2.4S								
			4	1.0P	7		23								
	872.6														
TOPSOIL-black-stiff Wet															
			5		5		108								
			4		6		113								
			6		4		104								
			8	5.1B	6	2.3B	22								
			5		4		112								
			11		5		112								
			14	5.2B	7	1.4B	19								
	871.1														
CLAY-brown & gray-hard (A-6)															
			7		7		115								
			10		10										
			12	4.7B	12		17								
			7		7		109								
			9		9										
			14	4.5B	14		19								
			7		7		112								
			10		10										
			13	6.25B	13		19								
	859.1														
CLAY-gray-stiff to very stiff (A-6)															
			4		4		107								
			6		6										
			8	2.5B	8		21								
			40		6	1.7B	23								
End Of Boring @ -40.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion 10' Of 4.0" Casing Used CME Automatic Hammer															

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