

PAGE 1 of 1

SOIL BORING LOG

DATE 4/15/2101
 LOGGED BY RJ
 GSI JOB No. 09177

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

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-21
 Station 514+70
 Offset 13.5' Right
 Ground Surface Elev. 880.0

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:							
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)				
18.0" ASPHALT				CLAY-very stiff to hard (A-6) 859.5															
	2		105																
	2																		
	4	3.6B	19																
CLAY LOAM-dark brown & gray-stiff to very stiff (A-6) Fill				CLAY-gray-very stiff to hard (A-6)															
	2		89																
	2																		
	4	1.5B	27																
	2		89																
	2																		
	2	1.0B	22																
872.0																			
TOPSOIL-black																			
	3																		
	5																		
	7	2.0P	28																
869.5																			
CLAY-brown & gray-very stiff to hard (A-6)																			
	3		95																
	4																		
	6	2.0B	26																
	9		112																
	11																		
	16	7.25B	18																
	6																		
	9																		
	15	2.5P	21																
	5		111																
	9																		
	16	6.5B	19																
840.0																			

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

PAGE 1 of 1

SOIL BORING LOG

DATE 4/16/2010
 LOGGED BY RJ
 GSI JOB No. 09177

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

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-22
 Station 515+50
 Offset 9.5' Right
 Ground Surface Elev. 877.0

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:							
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)								
12.0" ASPHALT				CLAY-brown & gray-stiff to very stiff (A-6)															
	1		105																
	2																		
	2	1.9B	22																
CLAY LOAM-dark brown & gray-stiff to very stiff (A-6) Fill				CLAY-gray-stiff to very stiff (A-6)															
	2		112																
	2																		
	3	1.0P	23																
851.5																			
TOPSOIL-black																			
	1																		
	3																		
	3	1.0P	21																
864.0																			
CLAY-gray-stiff to very stiff (A-6)																			
	2		82																
	3																		
	5	1.25B	26																
864.0																			
SILTY CLAY-dark brown, gray & black-medium stiff to stiff (A-6)																			
	1		86																
	3																		
	3	1.5B	36																
859.0																			
CLAY-brown & gray-stiff to very stiff (A-6)																			
	3		114																
	4																		
	5	2.2B	17																
837.0																			

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