

RW-05

SOIL BORING LOG											
PAGE 1 of 1					DATE 4/6/2010						
LOGGED BY RJ					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 -					Surface Water Elev. <i>n/a</i>						
BORING NO. RW-05					Stream Bed Elev. <i>n/a</i>						
Station 500+00					Groundwater Elevation:						
Offset 12.0' Left					First Encounter <i>n/a</i>						
Ground Surface Elev. 866.0					Upon Completion <i>n/a</i>						
					After Hrs. <i>n/a</i>						
DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
8.0" ASPHALT, 2.0" CRUSHED STONE, 7.0" CONCRETE				864.6							
CLAY LOAM-dark brown & gray-stiff (A-6) Fill				AS 1.75P 18							
				2 107							
				2 107							
				-5 4 1.8B 20				-25 6 1.8B 24			
SILTY CLAY-dark brown & gray-stiff (A-6) Wet				2 96							
				3							
				4 1.2B 26							
858.0											
				3 104							
				4 104							
				-10 6 4.4B 19				-30 7 2.0B 23			
CLAY-brown & gray-very stiff to hard (A-6)											
				8							
				8							
				10 2.0P 21				834.0			
				4 103							
				7							
				-15 10 4.0B 22				-35 17 9			
850.5											
				4 101							
				5							
				8 2.4B 24				829.0			
CLAY-gray-stiff to very stiff (A-6)											
				3 100							
				5							
				-20 7 1.9B 25				826.0 -40 13 1.0P 14			

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

RW-06

SOIL BORING LOG											
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LOGGED BY RJ					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 -					Surface Water Elev. <i>n/a</i>						
BORING NO. RW-06					Stream Bed Elev. <i>n/a</i>						
Station 500+75					Groundwater Elevation:						
Offset 11.0' Left					First Encounter <i>n/a</i>						
Ground Surface Elev. 864.0					Upon Completion <i>n/a</i>						
					After Hrs. <i>n/a</i>						
DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
8.0" ASPHALT, 2.0" GRAVEL, 6.0" CONCRETE				862.6							
SILTY CLAY-dark brown, gray & black-stiff (A-6) Possible Fill				AS 1.25P 24							
				861.0							
				4 109							
				4 109							
				-5 4 2.0B 19				-25 8 2.8B 20			
CLAY-brown & gray-very stiff to hard (A-6)											
				5 110							
				9 110							
				11 6.6B 18							
CLAY-gray-very stiff to hard (A-6)											
				9 110							
				14 110							
				-10 15 7.5B 18				-30 8 2.25B 17			
				7 109							
				11 109							
				14 7.7B 20							
851.0											
				7 108							
				13 108							
				-15 16 6.5B 21				-35 9 2.9B 23			
CLAY-gray-very stiff to hard (A-6)											
				6 103							
				7 103							
				11 3.1B 23							
				4 105							
				6 105							
				-35 9 2.9B 23				-15 12 5.4B 23			
				5 104							
				9 104							
				-15 12 5.4B 23				-35 12 2.0B 16			
				5 105							
				8 105							
				11 2.5B 22							
				4 114							
				5 110							
				-20 11 3.4B 16				825.2 -40 10 1.8B 19			

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

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RW-07

SOIL BORING LOG											
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LOGGED BY RJ					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 -					Surface Water Elev. <i>n/a</i>						
BORING NO. RW-07					Stream Bed Elev. <i>n/a</i>						
Station 501+50					Groundwater Elevation:						
Offset 11.5' Left					First Encounter 862.2						
Ground Surface Elev. 865.2					Upon Completion <i>n/a</i>						
					After Hrs. <i>n/a</i>						
DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
9.0" ASPHALT, 3.0" GRAVEL, 6.0" CONCRETE				863.7							
CLAY-stiff to very stiff (A-6)				844.7							
				4 119							
				5 119							
				8 1.9B 15							
CLAY-gray-stiff to very stiff (A-6)											
				7 109							
				7 109							
				-5 12 6.4B 20				-25 9 2.7B 20			
				8 105							
CLAY-brown & gray-stiff to very stiff (A-6)											
				12 105							
				14 5.6B 22				837.2			
				8 102							
				12 102							
				-10 16 4.3B 23				-30 10 2.7B 13			
				9 106							
				13 106							
				15 5.1B 22							
				5 104							
				9 104							
				-15 12 5.4B 23				-35 12 2.0B 16			
				5 105							
				8 105							
				11 2.5B 22							
				4 114							
				5 110							
				-20 11 3.4B 16				825.2 -40 10 1.8B 19			

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



USER NAME =	DESIGNED - JPM	REVISED -
PLOT SCALE =	CHECKED - JXH	REVISED -
PLOT DATE =	DRAWN - JPM	REVISED -
	CHECKED - JXH/TPG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 3
STRUCTURE NO. 016-W994

SHEET NO. 57 OF 58 SHEETS

F.A.P. RTE. 339	SECTION 116 Y-1-R-1	COUNTY COOK	TOTAL SHEETS 122	SHEET NO. 64
CONTRACT NO. 60I35			ILLINOIS FED. AID PROJECT	