

RW-03A

SOIL BORING LOG									
PAGE 1 of 1					PAGE 1 of 1				
DATE 4/29/2010					DATE 5/11/2010				
LOGGED BY MR					LOGGED BY MR				
GSI JOB No. 09177					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					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					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 HAMMER TYPE CME Automatic					COUNTY COOK DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic				
STRUCT. NO. -	DEPT	BLOW	UCS	MOIST	STRUCT. NO. -	DEPT	BLOW	UCS	MOIST
Station -	H	S	Qu	T	Station -	H	S	Qu	T
BORING NO. RW-03A	Surface Water Elev. n/a				BORING NO. RW-03B	Surface Water Elev. n/a			
Station 498+50	Stream Bed Elev. n/a				Station 498+50	Stream Bed Elev. n/a			
Offset 13.0' Left	Groundwater Elevation: n/a				Offset 39.5' Left	Groundwater Elevation: n/a			
Ground Surface Elev. 866.1	(ft)	(/6")	(tsf)	(%)	Ground Surface Elev. 861.0	(ft)	(/6")	(tsf)	(%)
Blind Drill To -8.0'					ORGANIC CLAY- dark brown & black- soft to medium stiff (A-8) Wet				
SILTY CLAY-black-medium stiff (A-7) Wet					CLAY LOAM-dark brown-stiff (A-6) Fill				
Vane Shear Test @ -11.0' Shear Strength=938 psf					CLAY-gray-stiff to very stiff (A-6)				
Fibrous PEAT-dark brown to black (A-8)					TOPSOIL-black				
Vane Shear Test @ -16.0' Shear Strength=451 psf					SILTY CLAY-dark gray & black-medium stiff (A-7) Wet				
End Of Boring @ -16.0 Hollow Stem Augers CME Automatic Hammer					Woody PEAT-dark brown (A-8)				
					SILTY CLAY-gray-soft (A-6)				
					CLAY-gray-stiff to very stiff (A-6)				
					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-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

RW-03B

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ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10					ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10				
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COUNTY COOK DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic					COUNTY COOK DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic				
STRUCT. NO. -	DEPT	BLOW	UCS	MOIST	STRUCT. NO. -	DEPT	BLOW	UCS	MOIST
Station -	H	S	Qu	T	Station -	H	S	Qu	T
BORING NO. RW-03A	Surface Water Elev. n/a				BORING NO. RW-03B	Surface Water Elev. n/a			
Station 498+50	Stream Bed Elev. n/a				Station 498+50	Stream Bed Elev. n/a			
Offset 13.0' Left	Groundwater Elevation: n/a				Offset 39.5' Left	Groundwater Elevation: n/a			
Ground Surface Elev. 866.1	(ft)	(/6")	(tsf)	(%)	Ground Surface Elev. 861.0	(ft)	(/6")	(tsf)	(%)
Blind Drill To -8.0'					ORGANIC CLAY- dark brown & black- soft to medium stiff (A-8) Wet				
SILTY CLAY-black-medium stiff (A-7) Wet					CLAY LOAM-dark brown-stiff (A-6) Fill				
Vane Shear Test @ -11.0' Shear Strength=938 psf					CLAY-gray-stiff to very stiff (A-6)				
Fibrous PEAT-dark brown to black (A-8)					TOPSOIL-black				
Vane Shear Test @ -16.0' Shear Strength=451 psf					SILTY CLAY-dark gray & black-medium stiff (A-7) Wet				
End Of Boring @ -16.0 Hollow Stem Augers CME Automatic Hammer					Woody PEAT-dark brown (A-8)				
					SILTY CLAY-gray-soft (A-6)				
					CLAY-gray-stiff to very stiff (A-6)				
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The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-S Shelby Tube Sample VS-Vane Shear Test
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 NR-No Recovery

RW-04

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ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10					ROUTE FAP 339 (Il. Route 62) DESCRIPTION Il. Route 62 Widening (PTB 153-10) IDOT Job No. D-91-022-10				
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COUNTY COOK DRILLING METHOD Hollow Stem Auger/ Rotary HAMMER TYPE CME Automatic					COUNTY COOK DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic				
STRUCT. NO. -	DEPT	BLOW	UCS	MOIST	STRUCT. NO. -	DEPT	BLOW	UCS	MOIST
Station -	H	S	Qu	T	Station -	H	S	Qu	T
BORING NO. RW-04	Surface Water Elev. n/a				BORING NO. RW-04	Surface Water Elev. n/a			
Station 498+25	Stream Bed Elev. n/a				Station 498+25	Stream Bed Elev. n/a			
Offset 11.0' Left	Groundwater Elevation: 860.0				Offset 11.0' Left	Groundwater Elevation: 860.0			
Ground Surface Elev. 863.0	(ft)	(/6")	(tsf)	(%)	Ground Surface Elev. 863.0	(ft)	(/6")	(tsf)	(%)
8.0" ASPHALT, 2.0" CRUSHED STONE, 6.0" CONCRETE					CLAY LOAM-dark brown-stiff (A-6) Fill				
CLAY LOAM-dark brown-stiff (A-6) Fill					CLAY-gray-stiff to very stiff (A-6)				
TOPSOIL-black					SILTY CLAY-dark gray & black-medium stiff (A-7) Wet				
SILTY CLAY-dark gray & black-medium stiff (A-7) Wet					Woody PEAT-dark brown (A-8)				
Woody PEAT-dark brown (A-8)					SILTY CLAY-gray-soft (A-6)				
SILTY CLAY-gray-soft (A-6)					CLAY-gray-stiff to very stiff (A-6)				
CLAY-gray-stiff to very stiff (A-6)					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-S Shelby Tube Sample VS-Vane Shear Test
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 The Unit Dry Weight (pcf) is noted in italics above moist (%)
 NR-No Recovery