

SOIL BORING LOG

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PAGE 1 of 1
DATE 3/8/2010
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-28
Station 527+50
Offset 22.5' Left
Ground Surface Elev. 871.2

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev.		DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)
				n/a	n/a				
				869.2			2		105
							3		
							4	1.1B	22
							3		
				865.7			3		
							3		
							-25	6	25
							2		114
							4		
				863.2			5	1.2B	18
							3		107
							4		
				860.7			-30	7	1.7B 21
							3		109
							5		
							7	2.4B	20
							3		112
							5		
							-15	7	2.6B 19
							3		119
							4		
							6	1.1B	15
							3		119
							4		
							-20	6	1.0B 15

Groundwater Elevation:
First Encounter 867.2 ▼
Upon Completion n/a ▼
After _____ Hrs. _____ ▼

16.0" CONCRETE,
8.0" CRUSHED STONE

CLAY to CLAY LOAM—dark brown—
very stiff (A-6) Fill

SILTY CLAY—dark brown & gray—
stiff (A-6) Wet

CLAY—brown & gray—hard (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—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