



Illinois Department  
of Transportation  
Division of Highways  
IDOT

### SOIL BORING LOG

Page 1 of 1

Date 3/1/11

ROUTE FAI Rt. 74 (I-74) DESCRIPTION HTCMB from the Vermilion River Bridge to TR 1000E Overpass LOGGED BY CNA

SECTION HSIP FY2011-4 LOCATION NW, SEC. 14, TWP. 19N, RNG. 12W, 2nd PM GPS: \_\_\_\_\_

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. <u>Terminal</u>	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft
Station <u>1741+00 to 1741+50</u>					Stream Bed Elev. _____ ft
BORING NO. <u>1 HTCMB</u>	H S	Qu	S	T	Groundwater Elev.: _____ ft
Station <u>1741+48</u>					First Encounter _____ ft
Offset <u>10.0 ft Lt.</u>					Upon Completion <u>DRY</u> ft
Ground Surface Elev. <u>627.9</u> ft					After _____ Hrs. _____ ft

Soil Description	Elev. (ft)	Blow Count	UCS	Moisture
Black/Brown Clay Loam	626.9			
Gray Sandy Clay Loam Till	18	7.2	7	
	21	S		
	20			
	18	11.0	7	
	22	S		
	18			
	50-6"		7	
End of Boring	617.9	-10		

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An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.  
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



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Page 1 of 1

Date 3/1/11

ROUTE FAI Rt. 74 (I-74) DESCRIPTION HTCMB from the Vermilion River Bridge to TR 1000E Overpass LOGGED BY CNA

SECTION HSIP FY2011-4 LOCATION SE, SEC. 10, TWP. 19N, RNG. 12W, 2nd PM GPS: \_\_\_\_\_

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. <u>Terminals</u>	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft
Station <u>1733+85 to 1737+70</u>					Stream Bed Elev. _____ ft
BORING NO. <u>2 HTCMB</u>	H S	Qu	S	T	Groundwater Elev.: _____ ft
Station <u>1735+11</u>					First Encounter _____ ft
Offset <u>8.0 ft Lt.</u>					Upon Completion <u>PLUGGED</u> ft
Ground Surface Elev. <u>633.7</u> ft					After _____ Hrs. _____ ft

Soil Description	Elev. (ft)	Blow Count	UCS	Moisture
Brown Sandy Clay Loam with Gravel (Dry)				
	631.7	7	3.9	12
Brown Mottled Clay Loam Till				
	5			
	5	3.1	14	
	-5	B		
	627.7			
Black Loam with Trace Organics (Wet with Trace of Free Water)				
	2			
	2	0.2	36	
	2	B		
	624.7			
Brown Clay Loam Till (Firm to Hard)				
	2	2.5	10	
	623.7	-10	S	
End of Boring				

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The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)