Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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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. 9, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Terminals
Station 1638+50 to 1640+50

BORING NO. 7 HTCMB
Station 1639+65
Offset 8.0 ft Lt.
Ground Surface Elev. 565.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion DRY ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray to Brown Silty Clay Loam to Clay Loam with Shale Fragments (Embankment)		3		
		3 5	2.1 B	16
		3		
		4 6	2.1 B	17
	-5			
		5		
		5 6	2.9 S	15
		3		
		4 7	1.2 B	16
	555.5 -10			
End of Boring				
	-15			
	-20			

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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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 NE, SEC. 8, TWP. 19N, RNG. 12W, 2nd PM GPS:

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Terminal
Station 1624+25 to 1624+75

BORING NO. 8 HTCMB
Station 1625+15
Offset 12.0 ft Lt.
Ground Surface Elev. 603.2 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion DRY ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown to Gray Mixed Sandy Clay Loam to Clay Loam with Gravel (Embankment)		9		
		12 15		14
	-5			
	596.2			
Gray Shale (BEDROCK)		30		
		23 30		14
	593.2 -10			
End of Boring				
	-15			
	-20			

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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