

BORING NO. PB-200A (1 OF 3)



Illinois Department of Transportation  
Division of Highways  
Geotechnology

SOIL BORING LOG

Page 1 of 3

Date 3/27/02

ROUTE FAI 64 DESCRIPTION Trilevel Interchange LOGGED BY KMP  
SECTION 81-2, 82R LOCATION East St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W  
COUNTY St. Clair DRILLING METHOD Hollow Stem Auger and Mud Rotary HAMMER TYPE Automatic Hammer

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T U R E	Description	Surface Water Elev. Unknown ft Stream Bed Elev. Unknown ft Groundwater Elev.: First Encounter 383.1 ft ▼ Upon Completion ** ft After ** Hrs.	D E P T H	B L O W S	U C S	M O I S T U R E
082-0394 NA					Loose, brown, FINE GRAINED SAND (continued)					
		2								
		2		37						
		3			Stiff, gray, SILT	391.12		10		28
		1								
		3		2.3	Very stiff, brown and gray, CLAY	408.12		5		
		4		S						
		5			See Gradation Test Results			5		
		4						5		
		3			Stiff, brown, SILTY CLAY	407.82		5		
		3		1.7				8		
		3		S	Medium dense, gray, SANDY LOAM with silt seams from 26 to 27.5 feet	387.62		9		
		1						4		
		2						8		
		3						9		
		1			Medium stiff, brown, SILT	405.12		3		
		2						5		
		3						25		32
		3		33				9		
		10						26		
		3			Loose, brown, SANDY LOAM	402.82		9		
		3						25		
		3			See Gradation Test Results			26		
		2						26		
		1			Very soft, brown, SILT	400.12		9		
		1						11		
		1		37				14		
		1			Soft, bluish-gray, SILTY CLAY	387.62		14		
		2						11		
		2			See Gradation Test Results			14		
		7			Loose, brown, FINE GRAINED SAND	376.12		14		
		2		44	Medium dense to dense, gray, FINE GRAINED SAND			14		
		5						18		
		6						31		
		4						31		

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)  
\* Rimac attempted, not measured due to sample disturbance  
\*\* Not measured due to drilling methods used

BBS, from 137 (Rev. 8-99)

BORING NO. PB-200A (2 OF 3)



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082-0394 NA					Medium dense to dense, gray, FINE GRAINED SAND (continued)					
		4								
		6						12		
		11						15		
		5						21		
		11						21		
		5			Medium dense to dense, gray, FINE GRAINED SAND (continued)			3		
		25						5		32
		26			with silty clay seams from 68.5 to 70 feet			7		
		9						15		
		11						15		
		14			with organic seams from 73.5 to 75 feet			24		
		14						15		
		18						24		
		31						31		

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082-0394 NA					Medium dense, gray, MEDIUM GRAINED SAND, with silty clay seams					
		8								
		11								
		13								
		8								
		11								
		13								
		4			Dense, gray, FINE GRAINED SAND	326.12		4		
		20						5		
		12						7		
		4			End of Boring	323.12		12		

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