ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 7/12/11

ROUTE IL 3 DESCRIPTION Relocated IL 3 over TRRA Railroad
SECT. 50-1-2HVB STRUCT. NO. 082-0315 DRILLED BY Bruno Williamson
COUNTY St. Clair LOCATION East St. Louis S. 12 , TWP. 2N , RNG. 10W

Boring No. SPT-3 PIER 2
Station 1657+64
Offset 37.00ft LT
Surface Elev. 413.60 ft

Surface Water Elev.
Groundwater Elev.: when drilling 397.6
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	412.60				
Stiff to medium stiff brown SILTY LOAM, moist			2 2 2	B 1.03 15%	24
			1 2 2	B 0.94 15%	22
		-5			
Stiff brown/gray SILTY CLAY, trace organics, very moist	407.10		0 2 2	B 1.72 15%	35
			0 1 2	B 1.85 15%	37
		-10			
			0 1 2	B 1.44 15%	30
			0 1 2	B 1.52 15%	39
		-15			
Very loose brown fine SAND, saturated	397.10		0 1 2		40
Loose brown fine SAND, saturated	395.60		2 3 4		
Medium dense brown fine SAND, trace silt, saturated	393.60	-20			
			2 6 7		
		-25			

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense brown fine SAND, trace silt, saturated			2 7 10		
		-30	3 8 12		
		-35	10 13 14		
Medium dense brown fine SAND, saturated	378.60				
		-40	9 11 17		
		-45	6 10 14		
Medium dense gray fine SAND, saturated	364.60	-50	7 10 18		

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

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ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-3 PIER 2
Station 1657+64
Offset 37.00ft LT
Elevation 363.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine SAND, saturated					
Dense brown fine to medium SAND, saturated	360.60		12 17 22		
Dense to medium dense gray fine to medium SAND, saturated	358.60	-55			
		-60	5 11 21		
		-65	5 7 8		
Dense gray fine to medium SAND, saturated	345.60	-70	36 23 21		
		-75	18 21 25		

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SECTION 50-1-2HVB
COUNTY St. Clair

Elevation 338.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense to dense gray fine to medium SAND, saturated			7 8 12		
		-80			
		-85	7 10 11		
		-90	11 14 20		
		-95			
Very dense gray fine to coarse SAND, saturated	315.60		83 18 17		
Possible cobbles below 99'		-100			

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ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-3 PIER 2
Station 1657+64
Offset 37.00ft LT
Elevation 313.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Very dense gray fine to coarse SAND, saturated					
		-105			
		-110	95 80 40		
End of Boring at 113' Auger Refusal	300.60				
		-115			
		-120			
		-125			

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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