ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 6/28/11

ROUTE IL 3 DESCRIPTION Relocated IL 3 over TRRA Railroad
SECT. 50-1-2HVB STRUCT. NO. 082-0314 DRILLED BY Bruno Williamson
COUNTY St. Clair LOCATION East St. Louis S. 12 , TWP. 2N , RNG. 10W

Boring No. SPT-5 S. ABUT
Station 1656+44
Offset 37.00ft RT
Surface Elev. 415.10 ft

Surface Water Elev.
Groundwater Elev.: when drilling 399.1
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	414.10				
Stiff brown SILTY CLAY LOAM, moist			2 2 3	B 1.56 15%	24
			2 1 2	B 1.44 15%	25
		-5			
			1 2 4	B 1.93 15%	23
Very stiff brown/gray SILTY CLAY, very moist	407.10				
			2 2 4	B 2.13 15%	37
		-10			
			1 3 5	B 2.21 15%	31
Very soft brown/gray SILTY CLAY, moist	402.10				
			0 2 2	B 0.41 15%	27
Loose to very loose brown fine SAND, moist to saturated	400.10	-15			
			1 2 3		
			1 2 2		
Medium dense brown fine SAND, saturated	395.10	-20			
			3 7 9		
			5 7 7		
	390.10	-25			

Description	Elev.	DEPTH	BLOWS
Medium dense brown silty fine to medium SAND, saturated			
			6 7 7
			4 8 12
		-30	
		-35	5 5 5
		-40	5 8 10
		-45	7 9 13
		-50	6 8 9

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

DOT BORING 76873.GPJ IDOT.GDT 8/28/11

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STRUCTURE NO. 082-0314
ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-5 S. ABUT
Station 1656+44
Offset 37.00ft RT
Elevation 365.10 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense brown silty fine to medium SAND, saturated					
Dense brown fine to medium SAND, saturated	361.60		13 18 27		
		-55			
		-60	22 19 15		
		-65	8 11 15		
Medium dense brown/gray fine to coarse SAND, trace gravel, saturated	350.60				
Dense gray fine to coarse SAND, trace small gravel, saturated	350.10				
		-70	13 15 27		
		-75	11 16 17		

STRUCTURE NO. 082-0314
ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Elevation 340.10 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine to coarse SAND, trace small gravel, saturated					
		-80	7 9 13		
		-85	7 10 12		
	326.60				
Dense gray fine to medium SAND, trace coarse sand, saturated		-90	15 17 23		
	321.60				
Medium dense gray fine to medium SAND, trace coarse sand and small gravel, saturated		-95	10 13 13		
	316.60				
Dense gray fine to coarse SAND, trace small gravel, saturated	315.10	-100	13 18 20		

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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STRUCTURE NO. 082-0314
ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-5 S. ABUT
Station 1656+44
Offset 37.00ft RT
Elevation 315.10 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense gray fine to coarse SAND, trace small gravel, saturated					
		-105	8 10 23		
Possible cobbles below 107'					
	306.10		27 59 26	P 4.5+	
Hard gray SILTY LOAM, moist	305.10	-110			
Very dense gray coarse SAND, some fine sand, trace gravel, saturated					
Limestone fragments in sample			28 50/5"		
	300.10	-115			
End of Boring at 115' Auger Refusal					
		-120			
		-125			

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

DOT BORING 76873.GPJ IDOT.GDT 8/28/11

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

	DESIGNED - TCR	REVISED
	CHECKED - JML	REVISED
	DRAWN - JWK/DJM	REVISED
DATE - 10/18/12	CHECKED - MSW	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 082-0314 NB & 082-0315 SB

SHEET NO. 845 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	52D-1-2HVB-1	ST. CLAIR	237	178

CONTRACT NO. 76848
ILLINOIS FED. AID PROJECT

24-8621