ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 6/30/11

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-6 PIER 1
Station 1657+07
Offset 37.00ft RT
Surface Elev. 415.00 ft

Surface Water Elev.
Groundwater Elev.: when drilling 399.0
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	414.00				
Very loose dark brown SANDY LOAM, moist	413.00		1 1 2		24
Soft brown/dark brown SILTY CLAY LOAM, moist					
	410.00	-5	1 1 2	B 0.33 15%	26
Stiff to very stiff brown/gray SILTY CLAY, very moist					
			0 2 2	B 1.48 15%	39
		-10	2 2 3	B 1.64 15%	35
			1 1 3	B 2.05 15%	35
	401.50				
Very soft brown/gray SILTY CLAY, very moist			0 2 4	B 0.29 15%	36
		-15			
	399.00				
Loose brown fine SAND, saturated			1 2 5		45
		-20	4 4 6		
	394.00				
Medium dense brown fine SAND, saturated			2 5 8		
	391.50				
Medium dense brown fine SAND, saturated		-25	5 7 8		
	390.00				

Description	Elev.	DEPTH	BLOWS
Medium dense brown fine SAND, saturated			2 3 9
		-30	3 8 10
	381.50		
Medium dense brown fine to medium SAND, saturated		-35	2 6 9
	371.50		
Medium dense brown fine to medium SAND, saturated		-40	5 7 11
		-45	6 7 12
	365.00	-50	10 11 14

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

IDOT BORING 76873.GPJ IDOT GDT 6/28/11

ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

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

Boring No. SPT-6 PIER 1
Station 1657+07
Offset 37.00ft RT
Elevation 365.00 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense brown fine to medium SAND, saturated					
		-55	8 12 18		
		-60	9 12 22		
	350.50				
Medium dense to dense gray fine to medium SAND, saturated		-65	5 7 12		
		-70	15 19 23		
	341.50				
Medium dense gray fine to medium SAND, saturated		-75	7 8 8		

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

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine to medium SAND, saturated					
	335.00	-80	7 8 15		
Medium dense to dense gray fine to coarse SAND, saturated					
		-85	6 10 10		
		-90	12 12 22		
		-95	6 8 13		
Possible cobble below 98'	316.50				
Very dense gray fine to coarse SAND, trace small gravel, saturated	315.00	-100	17 24 30		

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-6 PIER 1
Station 1657+07
Offset 37.00ft RT
Elevation 315.00 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense gray fine to coarse SAND, trace small gravel, saturated					
	310.00	-105	11 14 17		
Very dense gray medium to coarse SAND trace small gravel, saturated					
		-110	100 60/5"		
	300.00	-115	35 50/5"		
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
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IDOT BORING 76873.GPJ IDOT GDT 6/28/11

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. B46 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	52O-1-2HVB-1	ST. CLAIR	237	179

CONTRACT NO. 76848

ILLINOIS FED. AID PROJECT

24-8621