ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 7/5/11

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-7 PIER 2
Station 1657+87
Offset 37.00ft RT
Surface Elev. 415.60 ft

Surface Water Elev.
Groundwater Elev.: when drilling 399.6
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	414.60				
Loose dark brown fine to medium SAND, trace cinders and clay, moist to very moist	412.60		1 3 2		27
Medium stiff brown/gray SILTY LOAM, very moist	410.60	-5	1 1 2	B 0.74 15%	37
Stiff brown/gray SILTY CLAY, very moist	405.60	-10	1 2 3	B 1.56 15%	41
			1 3 4	B 1.44 15%	32
Loose brown fine to medium SAND, moist	405.10				
Very stiff brown/gray SILTY CLAY LOAM, very moist	402.60		0 2 3	B 2.46 15%	34
Medium stiff brown/gray SILTY CLAY LOAM, moist	400.60	-15	1 1 4	B 0.82 15%	28
Loose brown fine to medium SAND, moist to saturated	394.60	-20	1 3 5		
			3 3 7		
Medium dense brown fine SAND, saturated	390.60	-25	3 5 5		
			4 7 8		

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense brown fine to medium SAND, saturated	365.60	-50	4 6 8		
			5 6 15		
		-30	8 11 15		
		-35	4 5 12		
		-40	4 4 10		
		-45	3 3 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

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

Boring No. SPT-7 PIER 2
Station 1657+87
Offset 37.00ft RT
Elevation 365.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense brown fine to medium SAND, saturated		-55	10 14 20		
Medium dense gray fine to medium SAND, saturated	357.60	-60	10 13 15		
Medium dense gray fine to coarse SAND, saturated	325.60	-65	5 5 10		
Medium dense gray fine to coarse SAND, saturated		-70	9 10 11		
Dense gray fine to coarse SAND, trace small gravel, saturated	315.60	-75	8 10 14		

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

Elevation 340.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine to medium SAND, saturated		-80	10 11 13		
	327.10	-85	11 11 16		
Medium dense gray fine to coarse SAND, saturated		-90	9 10 10		
	317.60	-95	6 10 11		
		-100	8 11 22		

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

Boring No. SPT-7 PIER 2
Station 1657+87
Offset 37.00ft RT
Elevation 315.60 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense to very dense gray fine to coarse SAND, trace small gravel, saturated		-105	13 17 20		
Possible cobbles below 106'		-110	25 30 63		
End of Boring at 115' Auger Refusal	300.60	-115	47 50/4"		
		-120			
		-125			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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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. 847 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	52O-1-2HVB-1	ST. CLAIR	237	180

CONTRACT NO. 76848
ILLINOIS FED. AID PROJECT

24-8621