ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 6/29/11

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-2 PIER 1
Station 1656+89
Offset 37.00ft LT
Surface Elev. 414.50 ft

Surface Water Elev.
Groundwater Elev.: when drilling 398.5
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	413.50				
Very loose dark brown SANDY LOAM, trace gravel and cinders, very moist			1 2 1		51
		-5	2 3 1		
Stiff gray/brown SILTY CLAY, very moist	408.50		0 2 2	P 1.25	39
Stiff gray SILTY CLAY, very moist	407.00				
		-10	0 2 3	B 1.64 15%	42
			0 1 2	B 1.64 15%	37
		-15	1 2 3	B 1.52 15%	42
Loose brown fine SAND, saturated	398.00		0 2 4		44
Medium dense brown fine SAND, saturated	394.50	-20	0 2 3		
		-25	4 7 7		
			4 5 6		
Medium dense brown fine SAND, saturated			4 6 7		
		-30	3 6 6		
		-35	3 9 10		
Medium dense brown/gray fine to medium SAND, saturated	376.50	-40	3 7 12		
		-45	4 4 7		
	364.50	-50	4 5 7		

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

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STRUCTURE NO. 082-0315
ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-2 PIER 1
Station 1656+89
Offset 37.00ft LT
Elevation 364.50 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dense gray/brown fine to medium SAND, trace coarse sand and gravel, saturated					
		-55	8 14 17		
		-60	8 15 24		
	349.50	-65	29 18 21		
Dense brown/gray fine to medium SAND, trace coarse sand and gravel, saturated					
	342.50	-70	9 10 20		
Medium dense brown/gray fine to medium SAND, trace coarse sand and gravel, saturated	339.50	-75	4 8 10		

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

Elevation 339.50 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense brown/gray fine to medium SAND, trace coarse sand and gravel, saturated					
		-80	4 6 11		
		-85	6 8 10		
Medium dense gray fine to coarse SAND, little small gravel, saturated	329.50				
		-90	4 7 17		
	321.00				
Possible cobble or boulder			50/1"		
Medium dense gray fine to coarse SAND, little small gravel, saturated	319.50	-95			
		-100	10 10 12		

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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STRUCTURE NO. 082-0315
ROUTE IL 3
SECTION 50-1-2HVB
COUNTY St. Clair

Boring No. SPT-2 PIER 1
Station 1656+89
Offset 37.00ft LT
Elevation 314.50 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Very dense gray fine to coarse SAND and small GRAVEL, saturated					
		-105	25 31 31		
Possible cobbles below 105'					
		-110	30 50/5"		
		-115	31 50/5"		
End of Boring at 116' Auger Refusal	298.50				
		-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. B42 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	52O-1-2HVB-1	ST. CLAIR	237	175

CONTRACT NO. 76848

ILLINOIS FED. AID PROJECT

24-8621