ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date 7/13/11

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-4 N. ABUT
Station 1658+21
Offset 12.00ft LT
Surface Elev. 401.00 ft

Surface Water Elev.
Groundwater Elev.: when drilling 394.0
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Dark brown SILTY CLAY LOAM	400.00				
Stiff brown/gray SILTY CLAY, moist			1 3 2	B 1.64 15%	26
	398.00				
Very loose dark brown/gray SANDY LOAM, very moist	397.00		2		33
Very loose brown fine SAND, moist	396.00	-5	2 2		
Medium dense brown fine SAND, moist to saturated			4 6 5		
	393.00				
Loose brown fine SAND, saturated		-10	2 2 6		
			2 3 3		
		-15	2 5 5		
			4 5 4		
	382.00		3 4 6		
Medium dense brown fine to medium SAND, saturated		-20			
			5 5 8		
	376.00	-25	5 7 10		

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense brown fine to medium SAND, saturated			15 10 11		
		-30	7 10 12		
		-35	6 11 14		
		-40	5 9 15		
	357.50				
Dense brown fine to medium SAND, saturated		-45	16 15 18		
		-50	24 24 23		

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 76673.GPJ IDOT.GDT 8/28/11

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

Boring No. SPT-4 N. ABUT
Station 1658+21
Offset 12.00ft LT
Elevation 351.00 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine to medium SAND, saturated					
			5 8 10		
		-55			
	343.00				
Medium dense gray fine to coarse SAND, saturated		-60	4 7 8		
		-65			
		-70	5 10 12		
	326.00	-75			

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

Elevation 326.00 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Medium dense gray fine to coarse SAND, saturated					
			7 12 15		
		-80			
	316.00	-85			
Very dense gray medium to coarse SAND, trace gravel, saturated Possible cobble below 85'					
		-90	140 121 21		
		-95			
		-100	103 54 39		

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-4 N. ABUT
Station 1658+21
Offset 12.00ft LT
Elevation 301.00 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
	300.50				
End of Boring at 100.5' Auger Refusal					
		-105			
		-110			
		-115			
		-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

IDOT BORING 76673.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. B44 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	52O-1-2HVB-1	ST. CLAIR	237	177

CONTRACT NO. 76848

ILLINOIS FED. AID PROJECT

24-8621