

ILLINOIS DEPARTMENT OF TRANSPORTATION STRUCTURE BORING LOG									
ROUTE US 45		DESCRIPTION Metra Bridge over LaGrange Road		Page 1 of 2 Date 9/9/04					
SECTION 103R-5		STRUCTURE NO. 016-Z004		DRILLED BY SEECO Consultants Inc./GF					
COUNTY Cook		LOCATION Orland Park, IL							
Boring No. B-6	D	B			Surf. Wat. El. N.A.	D	B		
Station 294+13.00	E	L			Groundwater Elev.:	E	L		
Offset 56' Rt.	P	O			When Drilling 27' (666.3)	P	O		
Surface El. +693.25' M.S.L.	T	W	QU	W	at Completion 19' (674.3)	T	W	QU	W
	H	S	TSF	%	After Hrs	H	S	TSF	%
CLAY LOAM, Brown, Trace Sand, Trace Fine Gravel, Very Stiff to Hard, Moist (A-6)	1.0					42.0			
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Hard, Moist (A-6)	2.0	15	4.5	19.0		43.0			
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Trace Shale, Very Stiff, Moist (A-6)	3.0		P			44.0	18		19.6
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Trace Shale, Very Stiff, Moist (A-6)	4.0					45.0			
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Trace Shale, Very Stiff, Moist (A-6)	5.0	8	2.0	22.7		46.0			
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Trace Shale, Very Stiff, Moist (A-6)	6.0		P			47.0			
CLAY LOAM, Brown, Trace Gray, Trace Sand, Trace Fine Gravel, Trace Shale, Very Stiff, Moist (A-6)	7.0					48.0			
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	8.0	17	4.5	17.3		49.0	25		23.7
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	9.0		P			50.0			
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	10.0					51.0			
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	11.0	14	2.3	15.1		52.0			
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	12.0		P			53.0			
CLAY, Brown, Trace Sand, Trace Fine Gravel, Hard to Very Stiff, Moist (A-6)	13.0					54.0	37		21.1
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	14.0	12	2.7	14.1		55.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	15.0		B			56.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	16.0					57.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	17.0					58.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	18.0					59.0	45		24.2
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	19.0	9	2.5	8.5		60.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	20.0		P			61.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	21.0					62.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	22.0					63.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	23.0					64.0	49		18.5
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	24.0	9	3.1	15.8		65.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	25.0		B			66.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	26.0					67.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	27.0					68.0			
CLAY, Gray, Trace Sand, Trace Fine Gravel, Very Stiff, Moist (A-6)	28.0					69.0	53		18.3
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	29.0	18		23.0		70.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	30.0					71.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	31.0					72.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	32.0					73.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	33.0					74.0	59		18.8
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	34.0	13		19.9		75.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	35.0					76.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	36.0					77.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	37.0					78.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	38.0					79.0	51		17.9
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	39.0	34		21.8		80.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	40.0					81.0			
SILT, Gray, Trace Fine Gravel, Trace Sand, Medium Dense, Moist (A-4)	41.0					82.0			

N=Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140lb hammer falling 30"  
 (QU)B=Bulge S=Shear P=Penetration Test  
 Stations, Depths, Offset, and Elevations are in Feet  
 Offset is from edge of traveled Pavement

SEECO Job No. 7947G

Entire sheet revised

ILLINOIS DEPARTMENT OF TRANSPORTATION STRUCTURE BORING LOG									
ROUTE US 45		DESCRIPTION Metra Bridge over LaGrange Road		Page 2 of 2 Date 9/9/04					
SECTION 103R-5		STRUCTURE NO. 016-Z004		DRILLED BY SEECO Consultants Inc./GF					
COUNTY Cook		LOCATION Orland Park, IL							
Boring No. B-6	D	B			Surf. Wat. El. N.A.	D	B		
Station 294+13.00	E	L			Groundwater Elev.:	E	L		
Offset 56' Rt.	P	O			When Drilling 27' (666.3)	P	O		
Surface El. +693.25' M.S.L.	T	W	QU	W	at Completion 19' (674.3)	T	W	QU	W
	H	S	TSF	%	After Hrs	H	S	TSF	%
						83.0			
						84.0	56		18.2
						85.0			
						86.0			
						87.0			
						88.0			
						89.0	50		16.2
						90.0			
						91.0			
						92.0			
						93.0			
						94.0	48		19.0
						95.0			
						96.0			
						97.0			
						98.0			
						99.0	53		15.7
						100.0			
						101.0			
						102.0			
						103.0			
						104.0	26	3.3	19.0
						105.0			
						106.0			
						107.0			
						108.0			
						109.0	34		11.9
						110.0			9.1
						111.0			
						112.0			
						113.0			
						114.0	23		9.6
						115.0			
						116.0			
						117.0			
						118.0			
						119.0	30		8.7
						120.0			
						121.0			
						122.0			
						123.0			

(QU)B=Bulge S=Shear P=Penetration Test  
 Stations, Depths, Offset, and Elevations are in Feet  
 Offset is from edge of traveled Pavement

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FILE NAME: 016Z004-60M62-001-bor.dgn	USER NAME: arsalan.khan	DESIGNED: WEJ	REVISION: 04/12/2013 P.M.H.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SOIL BORINGS 1 STRUCTURE NO. 016-Z004		F.A.P. R.T.E. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 418
PLOT SCALE: 0.2000 1" = 20'	DRAWN: AMV	CHECKED: NPP	REVISION:	SHEET NO. 9 OF 10 SHEETS		CONTRACT NO. 60M62		ILLINOIS FED. AID PROJECT				