

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 2  
Date 2/27/04

ROUTE DESCRIPTION Wheaton Park District Pedestrian Path/Bridge over UPRR  
SECT. 94-P4031-00-BR STRUCT. NO. DRILLED BY TSC/L-59.861  
COUNTY DuPage LOCATION S. TWP. RNC.

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Qu	W	Surface Water Elev.	D	B	L	O	W	Qu	W
BH-1	13+50	0.00ft	743.20	H	S	T	S	T	ft	%		H	S	T	S	T	ft	%
Black SILTY CLAY (topsoil), moist																		
146.20																		
Very tough gray CLAY, moist A-6/A-7-6																		
15.4																		
22.8																		
78.20																		
Very tough to hard brown to brownish-gray CLAY, moist A-6																		
16.9																		
16.9																		
Sample 5: LL=35/PL=5/PH=20																		
17.6																		
18.4																		
77.20																		
Very tough gray CLAY, moist A-6/A-7-6																		
14.7																		
14.9																		
16.8																		
17.4																		

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test  
Stations, Depths, Offset, and Elevations are in Feet

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STRUCTURE NO. 94-P4031-00-BR  
ROUTE SECTION COUNTY DuPage

Boring No.	Station	Offset	Elevation	D	B	L	O	W	Qu	W
BH-1	13+50	0.00ft	693.20	H	S	T	S	T	ft	%
Firm gray silty SAND and GRAVEL, wet A-2-4										
696.20										
Firm to dense gray SAND and GRAVEL, saturated A-1-a										
683.20										
End of Boring at 60.0'										
CME 750 ATV Drill Rig (#53) CME Automatic Hammer 3.25" (83 mm) ID HSA										

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Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Qu	W	Surface Water Elev.	D	B	L	O	W	Qu	W
BH-2	13+50	0.00ft	741.20	H	S	T	S	T	ft	%		H	S	T	S	T	ft	%
FILL - Black SILTY CLAY (topsoil)																		
180.40																		
Very tough gray CLAY, moist A-6																		
78.20																		
FILL - Brown, black and gray CLAY, little topsoil, moist A-7-6																		
20.6																		
28.4																		
77.20																		
Black CLAY (topsoil), very moist A-7-6																		
40.9																		
73.20																		
Sample 4: LL=52/PL=19/PH=33																		
26.2																		
Very tough brown and gray CLAY, trace organic, moist A-7-6																		
24.8																		
72.20																		
Very tough gray CLAY, moist A-6																		
13.7																		
14.7																		
15.5																		
16.4																		
18.0																		
12.4																		
76.10																		
Very tough to tough gray CLAY, moist A-6																		
16.4																		
Tough gray CLAY, moist A-6																		
17.0																		

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test  
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Boring No.	Station	Offset	Elevation	D	B	L	O	W	Qu	W
BH-2	13+50	0.00ft	691.20	H	S	T	S	T	ft	%
Firm gray SANDY LOAM, very moist A-2-4										
689.20										
Firm to dense gray SAND and GRAVEL, saturated A-1-a										
676.20										
Dense gray SANDY LOAM, wet A-2-4										
676.20										
End of Boring at 65.0'										
CME 750 ATV Drill Rig (#53) CME Automatic Hammer 3.25" (83 mm) ID HSA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test  
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Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Qu	W	Surface Water Elev.	D	B	L	O	W	Qu	W
BH-3	13+53	0.00ft	738.90	H	S	T	S	T	ft	%		H	S	T	S	T	ft	%
Black SILTY CLAY (topsoil)																		
738.90																		
Tough to stiff brown to brown and gray CLAY, moist to very moist A-7-6																		
20.3																		
25.5																		
25.1																		
730.90																		
Stiff brown CLAY, occasional sand seams, very moist A-6/A-7-6																		
22.2																		
14.4																		
728.90																		
Hard gray CLAY, moist A-6																		
13.6																		
14.4																		
720.90																		
Hard gray CLAY LOAM, moist A-4/A-6																		
9.9																		
20.4																		
16.2																		

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test  
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Boring No.	Station	Offset	Elevation	D	B	L	O	W	Qu	W
BH-3	13+53	0.00ft	688.90	H	S	T	S	T	ft	%
Firm gray SAND, saturated A-1-a										
686.90										
Loose gray SILTY LOAM, moist A-4										
13.0										
68.90										
Very dense silty SAND and GRAVEL, occasional Cobbles, A-2-4										
50/2"										
578.90										
End of Boring at 60.0'										
CME 750 ATV Drill Rig (#53) CME Automatic Hammer 3.25" (83 mm) ID HSA										

SPT, (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test  
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BH-4	13+53	0.00ft	734.4	H	S	T	S	T	ft	%		H	S	T	S	T	ft	%
FILL - Black and brown CLAY, trace topsoil and roots, moist A-7-6																		
2.9																		
21.9																		
16.8																		
736.90																		
FILL - Black, brown and gray CLAY, trace to little wood and topsoil, very moist A-7-6																		
47.5																		
14.3																		
734.90																		
Tough brown CLAY, trace organic seams, moist to very moist A-6																		
20.3																		
729.90																		
Very tough to tough gray CLAY, moist A-6																		
15.2																		
13.0																		
724.90																		
(Q) = 2.0 - 2.5 tsf																		
724.90																		
Tough gray SILTY CLAY LOAM, moist A-6																		
9.8																		
719.90																		
Tough gray silty CLAY LOAM, occasional Cobbles, very moist A-6																		
13.3																		
Firm gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a																		
715.90																		
Very Tough gray silty CLAY B LOAM, moist A-6																		
1.9																		
717.90																		
Sample 9: LL=29/PL=12/PH=6																		
Hard to very tough gray CLAY, moist A-6																		
18.3																		

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BH-4	13+53	0.00ft	689.90	H	S	T	S	T	ft	%
Firm gray silty SAND and GRAVEL, wet A-2-4										
687.90										
Loose gray SILTY LOAM, some sand, wet A-4										
11.3										
682.90										
Firm gray SANDY LOAM, wet A-4										
9.9										
677.90										
Firm gray SANDY LOAM, wet A-2-4										
11.4										
672.90										
Firm gray clayey SAND and GRAVEL, wet A-2-4										
10.1										
669.90										
End of Boring at 70.0'										
CME 750 ATV Drill Rig (#53) CME Automatic Hammer 3.25" (83 mm) ID HSA										

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PREPARED FOR:  
WHEATON PARK DISTRICT  
666 S. MAIN STREET  
WHEATON, ILLINOIS 60187

PREPARED BY:  
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NO.		DATE		DESCRIPTION	

INDEX OF BRIDGE SHEETS  
SHEET 27 OF 529

BORINGS - SHEET 1 OF 3

PEDESTRIAN/BICYCLE PATH BRIDGE OVER UNION PACIFIC RAILROAD

FILE NAME: BORING  
DISC. NUMBER: 551007

DSGN. BY: MMH  
DRN. BY: MD

JOB NO.: 551.007  
DATE: 04-26-04

FLD. BK./PG.:  
SCALE: ---

SHEET NO.  
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