

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	314
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 63074

BKBR-2

BKBR-3

Testing Service Corporation  
STRUCTURE BORING LOG  
Page 1 of 2  
Date Started 9/2/04  
Date Completed 9/2/04

ROUTE DESCRIPTION IL 25/Stearns Rd. Path Under IL 25  
SECT. STRUCT. NO. 045-3174 DRILLED BY TSC I-60-393  
COUNTY Kane LOCATION West End Underpass S. 1-Cntr., TWP. 40 N., RNC. 8 E.

Boring No. BKBR-2  
Station 110+51  
Offset 4.00 RT  
Surface Elev. 743.07 ft

DEPTH (ft)	DESCRIPTION	TESTS	VALUES
0-75.5	FILL - Gray Crushed Limestone, damp A-1	D, B, L, O, P, T, W, S, Qu, W	11, 14, 18, 17.0
75.5-715.07	Dense gray silty fine SAND, wet A-1-b	D, B, L, O, P, T, W, S, Qu, W	17, 23, 29, 12.8
715.07-737.57	Stiff brown CLAY, trace gravel, moist A-6/A-7-6	D, B, L, O, P, T, W, S, Qu, W	17, 29, 8.0
737.57-711.07	Dense gray fine to medium SAND, trace silt, wet A-1-b	D, B, L, O, P, T, W, S, Qu, W	5, 6, 8, 10.7
711.07-742.57	Medium dense brownish-gray SILTY LOAM, some sand, moist to very moist A-4	D, B, L, O, P, T, W, S, Qu, W	6, 8, 8, 10.4
742.57-730.07	Very stiff to hard brown and gray sandy CLAY, trace gravel, moist A-4/A-6	D, B, L, O, P, T, W, S, Qu, W	11, 17, 19, 10.7
730.07-727.57	Very stiff to hard gray SILTY CLAY LOAM, occasional silt seams, moist A-4/A-6	D, B, L, O, P, T, W, S, Qu, W	6, 11, 13, 17.5
727.57-718.07	Very stiff to stiff gray CLAY LOAM, trace gravel, moist A-4/A-6	D, B, L, O, P, T, W, S, Qu, W	8, 11, 14, 17.8
718.07-696.07	Hard to very stiff gray CLAY, trace gravel, moist A-6	D, B, L, O, P, T, W, S, Qu, W	16, 22, 30, 18.4
696.07-503.07	Hard brown and dark gray CLAY, trace gravel, damp A-6	D, B, L, O, P, T, W, S, Qu, W	15, 19, 21, 18.2

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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COUNTY Kane LOCATION West End Underpass S. 1-Cntr., TWP. 40 N., RNC. 8 E.

Boring No. BKBR-2  
Station 110+51  
Offset 4.00 RT  
Elevation 693.07 ft

DEPTH (ft)	DESCRIPTION	TESTS	VALUES
693.07-661.07	Hard brown and dark gray CLAY, trace gravel, damp A-6	D, B, L, O, P, T, W, S, Qu, W	47, 50/4, 17.5
661.07-589.07	Very dense gray SAND, little gravel, wet A-1-b	D, B, L, O, P, T, W, S, Qu, W	100/5, 10.3
589.07-584.07	Very dense Cobbles and Boulders with some clayey sand	D, B, L, O, P, T, W, S, Qu, W	682.07
584.07-562.07	Probable Fractured Rock Surface, Hard Drilling	D, B, L, O, P, T, W, S, Qu, W	682.07
562.07-550.07	Auger Refusal at 61.0'	D, B, L, O, P, T, W, S, Qu, W	682.07
550.07-528.07	Gus Pech GP-750 Truck Rig (#217) Rope and Cathead Hammer	D, B, L, O, P, T, W, S, Qu, W	682.07
528.07-506.07	Rotary Wash Drill	D, B, L, O, P, T, W, S, Qu, W	682.07

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COUNTY Kane LOCATION West End Underpass S. 1-Cntr., TWP. 40 N., RNC. 8 E.

Boring No. BKBR-3  
Station 111+07  
Offset 1.00 LT  
Surface Elev. 743.40 ft

DEPTH (ft)	DESCRIPTION	TESTS	VALUES
0-100.6	FILL - Gray Crushed Limestone, damp A-1	D, B, L, O, P, T, W, S, Qu, W	23, 27, 29, 12.3
100.6-715.40	Dense brown and gray SAND, trace gravel, saturated A-1-b	D, B, L, O, P, T, W, S, Qu, W	16, 18, 19, 9.7
715.40-737.90	Stiff to very stiff brown CLAY, moist A-6/A-7-6	D, B, L, O, P, T, W, S, Qu, W	17, 20, 24, 4.7
737.90-711.40	Dense gray clayey SAND, some gravel, moist A-1-b	D, B, L, O, P, T, W, S, Qu, W	13, 18, 13, 6.4
711.40-735.40	Dense brown SAND and GRAVEL, occasional Cobbles (rock fragments recovered), damp A-1-a	D, B, L, O, P, T, W, S, Qu, W	3, 4, 5, 13.0
735.40-732.90	Medium dense brown SAND, trace to little gravel, wet A-1-b	D, B, L, O, P, T, W, S, Qu, W	5, 7, 9, 8.3
732.90-730.40	Medium dense brown SAND and GRAVEL, saturated A-1	D, B, L, O, P, T, W, S, Qu, W	9, 12, 15, 12.1
730.40-701.40	Loose to medium dense gray SANDY LOAM, trace gravel, moist to very moist A-2-4	D, B, L, O, P, T, W, S, Qu, W	10, 14, 14, 16.9
701.40-718.40	Very stiff gray CLAY, trace gravel, moist A-6	D, B, L, O, P, T, W, S, Qu, W	8, 10, 18, 18.1
718.40-693.40	Very stiff to stiff brown and gray CLAY LOAM, trace gravel, moist A-4/A-6	D, B, L, O, P, T, W, S, Qu, W	7, 7, 11, 11.3
693.40-503.40	Hard gray CLAY, trace gravel, moist A-6	D, B, L, O, P, T, W, S, Qu, W	6, 7, 9, 10.2

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Boring No. BKBR-3  
Station 111+07  
Offset 1.00 LT  
Elevation 693.40 ft

DEPTH (ft)	DESCRIPTION	TESTS	VALUES
693.40-681.40	Very stiff to hard gray CLAY LOAM, trace gravel, moist A-4/A-6	D, B, L, O, P, T, W, S, Qu, W	8, 12, 20, 10.8
681.40-757.2	Very dense Cobbles and Boulders over Weathered and Fractured Rock, Hard Drilling	D, B, L, O, P, T, W, S, Qu, W	757.2
757.2-681.40	Auger Refusal at 62.0'	D, B, L, O, P, T, W, S, Qu, W	681.40
681.40-669.40	Gus Pech GP-750 Truck Rig (#217) Rope and Cathead Hammer	D, B, L, O, P, T, W, S, Qu, W	669.40
669.40-647.40	Rotary Wash Drill	D, B, L, O, P, T, W, S, Qu, W	669.40

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Note:  
1. Boring Locations off @ Mixed Use Path along Stearns.  
BKBR-2 Sta. 607+01, 4.00' Rt.  
BKBR-3 Sta. 607+57, 1.00' Lt.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3944

SOIL BORING LOG 1 OF 2  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174

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11/20/29 AM

3/30/2009