

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	315
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET SB- 14
OF 14 SHEETS

Contract # 63074

BKBR-4

Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date Started 9/3/04
Date Completed 9/3/04

ROUTE DESCRIPTION IL 25/Stearns Rd. Path Under IL 25
SECT. STRUCT. NO. 045-3174 DRILLED BY TSC L-60.393
COUNTY Kane LOCATION Center of Underpass S. 1-Cntr, TWP. 40 N., RNG. 8 E.

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
BKBR-4	112+01	9.00Rt	743.44	H	T	W	S	tsf	%	718.4	H	T	W	S	tsf	%
FILL - Crushed Limestone, damp A-1																
			741.44	50	12	10	21	2.1	6.6	Dense gray silty fine SAND, saturated A-3					12	18.3
Very stiff brown CLAY, moist A-6																
			740.44	10	13	16	7.3			Dense gray fine to medium SAND, saturated A-1-b					11	21.8
Medium dense to dense brown SAND and GRAVEL, damp A-1-a																
			735.44	14	20	26	4.8			Medium dense gray silty SAND, saturated A-1					5	17.8
Dense brown and gray SILTY LOAM, occasional silt seams, moist A-4																
			732.84	8	11	15	2.9	12.4		Very stiff gray CLAY LOAM, trace gravel, moist A-6					6	10.4
Very stiff gray CLAY LOAM, trace gravel, moist A-6																
			727.84	10	12	15	2.7	11.7		Stiff gray sandy CLAY, little gravel, moist A-4/A-6					7	10.8
Very stiff gray CLAY, moist A-6																
			720.44	8	10	13	3.1	18.3		Stiff to very stiff brownish-gray CLAY LOAM, trace gravel, moist A-4/A-6					12	10.8
Very stiff gray CLAY, occasional sand seams, moist A-6																
			719.44	8	14	13	3.1	16.1		Hard brownish-gray CLAY, trace gravel, damp A-6					12	10.9

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

Testing Service Corporation
STRUCTURE BORING LOG

Page 2 of 2
Date Started 9/3/04
Date Completed 9/3/04

STRUCTURE NO. 045-3174
ROUTE DESCRIPTION IL 25/Stearns Rd. Path Under IL 25
SECT. STRUCT. NO. 045-3174 DRILLED BY TSC L-60.393
COUNTY Kane LOCATION East End Underpass S. 1-SE 1/4, TWP. 40 N., RNG. 8 E.

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
BKBR-4	112+01	9.00Rt	893.44	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard to very stiff brownish-gray CLAY, trace gravel, damp to moist A-5																
			891.44	7	12	20	3.5	27.9		Very stiff brown and dark gray CLAY, moist to very moist A-7-6					7	27.9
Very dense Cobbles and Boulders, possible fractured rock																
			887.44	5	7	9				Probable Fractured Rock, Hard Drilling					5	
			885.44	5	7	9				Auger Refusal at 60.0'					5	
Gus Pach GP-750 Truck Rig (#217) Rope and Cathead Hammer Rotary Wash Drill																

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BKBR-5

Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date Started 9/8/04
Date Completed 9/8/04

ROUTE DESCRIPTION IL 25/Stearns Rd. Path Under IL 25
SECT. STRUCT. NO. 045-3174 DRILLED BY TSC L-60.393
COUNTY Kane LOCATION East End Underpass S. 1-SE 1/4, TWP. 40 N., RNG. 8 E.

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
BKBR-5	113+17	15.00Lt	743.02	H	T	W	S	tsf	%	732.5	H	T	W	S	tsf	%
Black clayey Topsoil																
			741.02	7	9	11	6.4	18.5		Very dense gray fine to medium SAND, saturated A-3					19	15.9
Hard brown CLAY, moist A-6/A-7-6																
			740.02	13	17	18	8.0			Medium dense gray SANDY LOAM, little sand and gravel, moist A-2-4					29	10.6
Dense brown silty SAND and GRAVEL, damp A-1																
			737.52	13	20	27	5.6			Dense to medium dense brown SAND and GRAVEL, damp to moist A-1					8	11.0
Very stiff gray CLAY LOAM, trace gravel, moist A-4																
			732.52	9	11	14	2.3	17.4		Medium dense gray fine to medium SAND, trace gravel, occasional silt seams, saturated A-1-b					4	14.8
Very stiff gray CLAY, trace gravel, moist A-6																
			720.02	8	11	13	2.1	19.2		Very dense GRAVEL with Cobbles and Boulders, saturated A-1-a					100.5'	12.6
Medium dense gray fine sandy SILT, wet A-2-4/A-4																
			718.02	5	7	11				Hard brownish-gray CLAY LOAM, trace gravel, moist A-5					15	11.3

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SECT. STRUCT. NO. 045-3174 DRILLED BY TSC L-60.393
COUNTY Kane LOCATION East End Underpass S. 1-SE 1/4, TWP. 40 N., RNG. 8 E.

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
BKBR-5	113+17	15.00Lt	693.02	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard brownish-gray CLAY LOAM, trace gravel, moist A-6																
			691.02	14	10	13	1.9	13.1		Stiff to very stiff brownish-gray CLAY LOAM, trace gravel, moist A-4/A-6					14	13.1
Very stiff dark brownish-gray CLAY, trace gravel, moist A-6																
			686.02	7	14	20	2.9	19.0		Medium dense to dense brown and gray clayey SAND and GRAVEL, occasional silt seams, occasional Cobbles, wet A-1					7	25.0
Probable Dolomite Rock Surface (hard drilling)																
			675.02	9	11	14	2.3	17.4		End of Boring at 68.0'					9	
Gus Pach GP-750 Truck Rig (#217) Rope and Cathead Hammer Rotary Wash Drill																

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Note:
1. Boring Locations off @ Mixed Use Path along Stearns.
BKBR-4 Sta. 608+68, 9.00' Rt.
BKBR-5 Sta. 609+84, 15.00' Lt.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

benesch
alfred benesch & company
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312-565-0450
Job # 3944

SOIL BORING LOG 2 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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