

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	348
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET 5D- 33
OF 34 SHEETS

Contract # 63074

DUEB-5

DUEB-6

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

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Page 1 of 2
Date Started 8/11/04
Date Completed 8/11/04

Page 2 of 2
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Date Completed 8/11/04

Page 1 of 2
Date Started 7/16/04
Date Completed 7/16/04

Page 2 of 2
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Date Completed 7/16/04

ROUTE F.A.P. 360 DESCRIPTION IL Route 25/Dunham Road over E. Br. Brewster Creek
SECT 98-00214-02-BR STRUCT. NO. 045-2032 DRILLED BY TSC L-60,393
COUNTY Kane LOCATION West End Pier No. 2 S. 1-Cnr. TWP. 40 N. RNG. 8 E.

STRUCTURE NO. 045-2032
ROUTE F.A.P. 360
SECTION 98-00214-02-BR
COUNTY Kane

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ROUTE F.A.P. 360
SECTION 98-00214-02-BR
COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
DUEB-5	276+69	52.00ft LT	736.79 ft	P	T	O	S	tsf	%		P	T	O	S	tsf	%
Very soft black ORGANIC CLAY, very moist to moist A-7-6 734.20																
Medium dense brownish-gray silty SAND, little gravel, trace clay, wet A-1-b 731.20																
Dense brown SAND and GRAVEL, saturated A-1-a 728.70																
Hard gray CLAY and CLAY LOAM, trace gravel, moist A-6 723.70																
Very stiff gray CLAY with sand layers, moist A-6 and A-1-b 721.20																
Medium dense gray SILT, occasional sand seams, very moist A-4 718.70																
Medium dense gray silty SAND, trace gravel, saturated A-1-b 716.20																
Medium dense gray clayey SILT, very moist A-4 713.70																
Medium stiff gray SILTY CLAY LOAM, occasional silt seams, very moist to moist A-4/A-6 711.70																
Medium dense gray SAND, little gravel, saturated A-1-b 710.20																
Very stiff gray SILTY CLAY LOAM, trace gravel, moist A-4/A-6 708.70																
Medium stiff gray SANDY LOAM, trace gravel, moist A-2-4/A-4 704.70																
Medium dense silty fine SAND, trace gravel, wet A-2-4 699.70																
Medium dense gray clayey SILT and SAND layers, little gravel, very moist A-2-4/A-4 694.70																
Dense gray fine to medium SAND, little to some gravel, saturated A-1-b 692.20																
Auger Refusal at 54'5"																
CME 850 Track ATV Drill Rig (#127) CME Automatic Hammer 3.25" (83 mm) ID HSA																

Boring No.	Station	Offset	Elevation	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
DUEB-5	276+69	52.00ft LT	686.70 ft	P	T	O	S	tsf	%		P	T	O	S	tsf	%
Dense to very dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a 582.70																
Possible fractured bedrock 582.20																
Auger Refusal at 54'5"																
CME 850 Track ATV Drill Rig (#127) CME Automatic Hammer 3.25" (83 mm) ID HSA																

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
DUEB-6	276+72	10.00ft RT	739.50 ft	P	T	O	S	tsf	%		P	T	O	S	tsf	%
FILL - Dark brown CLAY, trace organic, moist A-6/A-7-6 738.00																
Black sandy ORGANIC CLAY, very moist A-7-6 736.50																
Medium dense brown and gray SAND and GRAVEL, occasional Cobbles, trace clay, saturated A-1-a 731.50																
Very stiff gray CLAY, trace gravel, moist A-6 724.00																
Medium dense gray SAND, saturated A-1-b 723.00																
Very stiff gray CLAY, moist A-6 721.50																
Very loose gray SAND, saturated A-1-b 219.00																
Medium dense gray SAND, trace gravel, saturated A-1-b 717.50																
Medium dense gray SILT, very moist A-4 714.50																
Stiff to very stiff gray CLAY, moist A-6 711.50																
Medium dense gray silty SAND, trace gravel, trace clay, moist A-1-b 706.50																
Medium dense gray SAND, little to some gravel, trace clay, wet A-1-b 697.50																
Loose gray SANDY LOAM, trace gravel, moist A-4 692.50																
Medium dense gray SAND and GRAVEL, trace clay, wet A-1 676.50																

Boring No.	Station	Offset	Elevation	D	E	B	L	Qu	W	Surface Water Elev.	D	E	B	L	Qu	W
DUEB-6	276+72	10.00ft RT	689.50 ft	P	T	O	S	tsf	%		P	T	O	S	tsf	%
Medium dense gray SAND and GRAVEL, trace clay, wet A-1 687.50																
Very dense SAND and GRAVEL, occasional Cobbles and Boulders, A-1-a 684.50																
Probable fractured Rock, hard drilling 681.50																
Dolomite, tan, silty, thin to medium bedded, dense, heavily fractured from 60 to 63 ft. 676.50																
Core Run from 58 to 63 feet Recovery = 84% RQD = 17% 676.50																
End of Core at 63.0'																
CME 750 ATV Drill Rig (#275) CME Automatic Hammer 3.25" (83 mm) ID HSA Rock Core with NX Core Barrel																

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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DESIGNED	AJK
CHECKED	AAY
DRAWN	AYR
CHECKED	DMC

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

SOIL BORING LOG 3 OF 4
IL 25/DUNHAM ROAD OVER THE
EAST BRANCH OF BREWSTER CREEK
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 276+36.96
STRUCTURE NO. 045-2032

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