

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 305	*	Cook	193	163

Contract No. 62878 \*1313.1 B

**BORING NO. ELM-1B**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 1  
Date 4/4/01

ROUTE FAP-305 DESCRIPTION Palatine Road from west of IL 83 to IL 21  
SECT. (1313.1.1415&1516)R STRUCT. NO. 016-1031 DRILLED BY TSC/L-49.791  
COUNTY Cook LOCATION Route 83 Bridge S. 15, TWP. 42N, RNG. 11E

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	Groundwater Elev.:	D	E	B	L	Qu	W
ELM-1B	362+10	38.00ft LT	662.30 ft	H	T	S	O	tsf	%		641.8 649.3	H	T	S	O	tsf	%
FILL - Black SILTY CLAY (topsoil), very moist 661.30																	
FILL - Brown and black CLAY, trace organic, moist 659.30																	
Stiff to tough brown CLAY, very moist A-7-6 656.80																	
Hard brown to brown and gray CLAY LOAM, trace gravel, moist A-6 649.30																	
Tough to very tough brownish-gray CLAY, moist A-6 (Op=2.0 TSF) 644.30																	
Hard gray CLAY LOAM, trace gravel, moist A-6 641.80																	
Very loose to loose gray SAND, trace gravel, very moist to wet A-1-b 637.30																	

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

**BORING NO. ELM-3 (1 OF 2)**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 2  
Date 12/5/00

ROUTE FAP-305 DESCRIPTION Palatine Road from west of IL 83 to IL 21  
SECT. (1313.1.1415&1516)R STRUCT. NO. 016-1031 DRILLED BY TSC/L-49.791  
COUNTY Cook LOCATION Route 83 Bridge S. 15, TWP. 42N, RNG. 11E

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	Groundwater Elev.:	D	E	B	L	Qu	W
ELM-3	363+03	39.00ft LT	662.60 ft	H	T	S	O	tsf	%			H	T	S	O	tsf	%
FILL - Dark brown SILTY CLAY (topsoil), very moist 662.00																	
FILL - Brown CLAY LOAM, trace gravel, moist A-6 659.60																	
Hard brown CLAY, moist A-6/A-7-6 652.10																	
Very tough brown and gray CLAY LOAM, occasional sand seams, trace gravel, moist A-6 (Op=3.5 TSF) 647.10																	
Very tough gray CLAY, moist (Op=2.0 TSF) 643.10																	
Dense to very dense gray SAND, very moist to wet A-1-b 637.60																	

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

**BORING NO. ELM-3 (2 OF 2)**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 2 of 2  
Date 12/5/00

STRUCTURE NO. 016-1031  
ROUTE FAP-305  
SECTION (1313.1.1415&1516)R  
COUNTY Cook

Boring No.	Station	Offset	Surface Elev.	D	E	B	L	Qu	W	Surface Water Elev.	Groundwater Elev.:	D	E	B	L	Qu	W
ELM-3	363+03	39.00ft LT	612.60 ft	H	T	S	O	tsf	%			H	T	S	O	tsf	%
Boring was Dry to 10.0' 637.10																	
Stiff to tough gray CLAY, very moist A-7-6 (Op=1.5 TSF) 610.60																	
Very tough gray CLAY LOAM, trace gravel, moist A-6 605.60																	
Hard gray SANDY LOAM, occasional silt seams, moist A-4 600.60																	
Very tough gray SANDY LOAM, moist to very moist A-4/A-6 (Op=2.25 TSF) 595.60																	
Very dense gray clayey SAND and GRAVEL, saturated A-2-4 (Poor Recovery) 590.60																	
Tough to very tough gray CLAY LOAM, trace gravel, moist A-6 (Op=2.5 TSF) 587.60																	

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

DESIGNED	MJW
CHECKED	GAT
DRAWN	MJW
CHECKED	GAT

**SOIL BORING LOGS (2 of 5)**  
**PALATINE ROAD OVER**  
**IL. RT. 83 (ELMHURST ROAD)**  
**F.A.P. RTE. 305 SECT. 1313.1 B**  
**COOK COUNTY**  
**STATION 363+77.17**  
**STRUCTURE NO. 016-2812**