

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	461
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60E10

SHEET NO. 51
54 SHEETS

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 2
Date 6/28/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6 FROM I-294 TO ILLINOIS ROUTE 1
SECT. _____ STRUCT. NO. 016-2820 DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION BEHIND NORTH ABUTMENT S. 17, TWP. 36 N, RNG. 12 E

Boring No. E-3	D	B			Surface Water Elev. NA	D	B		
Station 95+17.72	E	L			Groundwater Elev.:	E	L		
Offset 54.00ft LT	P	O			when drilling	P	O		
Surface Elev. 621.00 ft	T	W	Qu	W	at Completion	T	W	Qu	W
	H	S	tsf	%	after Hrs.	H	S	tsf	%

ASPHALT	620.83				595.50				
CRUSHED AGGREGATE									
	619.50	11		7	Hard, Gray SILTY CLAY LOAM	8	5.0	14	
MISCELLANEOUS FILL:		25			traces - sand and gravel	18	B		
sand, gravel, slag, coal, cinders, and pieces of glass		20				33			
		9		12		11	4.5	16	
		21				23	P		
		15				30			
FILL	615.50								
Medium Stiff, Brown and Gray, SILTY CLAY LOAM		2	0.8	17					
traces - sand and gravel		3	B						
		5							
		3	0.8	16	Extremely Dense, Gray SILTY LOAM	15		13	
		3	B		traces - sand and gravel	505"			
		3							
		1	0.7	23					
		5	B						
		7							
FILL	608.00								
TOPSOIL									
	607.00	3	1.8	31		504"		11	
Stiff, Gray and Black SILTY CLAY LOAM		4	B						
traces - sand, gravel, and topsoil	605.50	8							
Very Stiff, Brown and Gray SILTY CLAY		1	3.7	17					
traces - sand and gravel		6	B		FOR ROCK CORES SEE PAGE 2				
		9							
		5	3.1	15					
		8	B						
		8							
Very Stiff, Gray SILTY CLAY LOAM	600.50								
traces - sand and gravel		6	2.9	13					
		11	B						
		14							
Dense, Gray SILTY LOAM	598.00								
traces - sand and gravel		10	2.9	11					
		16	B						
		20							

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

Everest Engineering Company
STRUCTURE ROCK CORING LOG
Page 2 of 2
Date 6/28/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6 FROM I-294 TO ILLINOIS ROUTE 1
SECT. _____ STRUCT. NO. 016-2820 DRILLED BY PATRICK DRILLING
COUNTY COOK

Boring No. E-3 Core Type NX
Station 95+17.72 Core Diameter 2 in
Offset 54.00ft LT Core Length 20 ft

Surface Elev. 621.00 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	R (%)	Q (%)	CORE (Min/ft)	COMP. (tsf)
579.17	DOLOMITE (RACINE FORMATION): Gray, massive, fine grained, hard, thick bedded	1	99	93	3.5	1175.4
						1368.1
		2	95	93	4	
		3	100	98	4	
558.50	END OF BORING					

Color pictures of the cores YES

Cores will be stored for examination until DECEMBER, 2001

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DESIGNED	EV
CHECKED	NPP
DRAWN	EV
CHECKED	NPP



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 FROM I-294 TO IL RTE 1
SOIL BORINGS

STRUCTURES FOR CN INTERMODAL
YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)
STATION 95+02.14 STRUCTURE NOS. 016-2820 & 016-2821
SCALE: DATE: 2/21/2008