

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	488
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60E10

SHEET NO. 24  
26 SHEETS

**BORING NO. E-5**

Everest Engineering Company  
STRUCTURE BORING LOG  
Page 1 of 2  
Date 6/20/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6 FROM I-294 TO ILLINOIS ROUTE 1  
SECT. \_\_\_\_\_ STRUCT. NO. 016-2822 DRILLED BY PATRICK DRILLING  
COUNTY COOK LOCATION BEHIND N. ABUTMENT, EAST END S. 17, TWP. 36 N, RNG. 12 E

Boring No. E-5 Station 96+62.07 Offset 55.00ft LT Surface Elev. 618.00 ft

D	B	Qu	W	Surface Water Elev.	D	B	Qu	W
H	S	tsf	%		H	S	tsf	%
				N/A				
	4		15	592.50		8	5.4	13
	4					27		S
	5					43		
				590.00				
	5		28			11		10
	4					16		
	4					46		
	3		14					
	3							
	5							
				610.00				
	2	1.0	22			49		8
	2		P			504"		
	5							
	2	1.2	27	581.50				
	3		B					
	3							
				605.00				
	3	1.9	21			504"		18
	6		B					
	9							
	5	1.7	15	576.50				
	10		B					
	14							
				600.00				
	6	2.1	15					
	13		S					
	17							
				597.50				
	9		9					
	31							
	33							
	20		8					
	31							
	16							

MISCELLANEOUS FILL:  
clay loam, sand, gravel,  
slag, pieces of glass, coal,  
and cinders

FILL  
Stiff, Brown, Gray, and  
Black SILTY CLAY LOAM  
traces - sand, gravel, and  
topsoil

FILL  
Stiff, Brown and Gray  
SILTY CLAY  
traces - sand and gravel

Very Stiff, Gray SILTY  
CLAY LOAM  
traces - sand and gravel

Dense to Very Dense,  
Gray SILTY LOAM  
traces - sand and gravel

FOR ROCK CORES SEE  
PAGE 2

Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling \_\_\_\_\_  
at Completion \_\_\_\_\_  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

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. E-5**

Everest Engineering Company  
STRUCTURE ROCK CORING LOG  
Page 2 of 2  
Date 6/20/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6 FROM I-294 TO ILLINOIS ROUTE 1  
SECT. \_\_\_\_\_ STRUCT. NO. 016-2822 DRILLED BY PATRICK DRILLING  
COUNTY COOK

Boring No. E-5 Core Type NX  
Station 96+62.07 Core Diameter 2 in  
Offset 55.00ft LT Core Length 20 ft

Surface Elev. 618.00 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	R (%)	R (%)	CORE (Min/ft)	COMP. (tsf)
576.50	DOLOMITE (RACINE FORMATION): Gray, massive, hard, fine grained, thick bedded, slightly fractured	1	98	88	4	1212.2
						1401.2
		2	100	98	4	
		3	100	97	3.5	
		4	100	100	4	
556.50	END OF BORING					

Color pictures of the cores YES  
Cores will be stored for examination until DECEMBER, 2001

3/13/2008 1:26:54 PM  
c:\17049\669\structures\2822.e\rr\dwg\24\_soil\_borings.dwg

DESIGNED	MDS
CHECKED	JPB
DRAWN	MDS
CHECKED	JPB



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
US RTE 6 FROM I-294 TO IL RTE 1  
**SOIL BORINGS**  
CN THOROUGHFARE TRACK  
BRIDGE 20.6E OVER U.S. RTE. 6 (159TH STREET)  
STATION 96+36.66 STRUCTURE NO. 016-2822  
SCALE: \_\_\_\_\_ DATE: 2/21/2008