STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	408
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23
25 SHEETS

CONTRACT NO. 60E10

BORING NO. E-1

Everest Engineering Company

STRUCTURE BORING LOG

Page 1 of 2
Date 6/18/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6, FROM I-294 TO ILLINOIS ROUTE 1

SECT. STRUCT. NO. 016-2819 DRILLED BY PATRICK DRILLING

COUNTY COOK LOCATION BEHIND N. ABUTMENT, WEST END S. 17, TWP. 36 N, RNG. 12 E

Boring No. E-1
Station 93+86.48
Offset 49.00ft LT
Surface Elev. 619.00 ft

Surface Water Elev. N/A
Groundwater Elev.:
when drilling
at Completion
after Hrs.

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
CRUSHED AGGREGATE	618.92				
MISCELLANEOUS FILL: topsoil, crushed aggregate, sand, gravel, slag, coal, and cinders			3, 4, 9		14
			3, 4, 4		14
FILL: Medium Stiff to Very Stiff, Brown and Gray CLAY traces - sand, gravel, and wood	613.50	-5			
			11, 9, 6	2.5 P	18
			5, 5, 8	1.5 B	17
		-10			
			5, 7, 5	0.8 P	18
			1, 2, 4	1.2 B	19
FILL: Very Stiff to Hard, Brown and Gray SILTY CLAY traces - sand and gravel	603.50	-15			
			2, 5, 7	2.7 B	19
			5, 9, 17	6.0 B	16
Very Dense to Extremely Dense, Gray SILTY LOAM traces - sand and gravel	598.50	-20			
			9, 50, 50/3"		11
			14, 32, 38	3.3 S	10
		-25			

DEPTH	BLOWS	Qu tsf	W %
	17, 34, 50	4.0 S	12
	35, 50/5.5"		9
-30			
	40, 50/2"		10
-35			
-40			
-45			
-50			

FOR ROCK CORES SEE PAGE 2 581.50

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-1

Everest Engineering Company

STRUCTURE ROCK CORING LOG

Page 2 of 2
Date 6/18/01

ROUTE U.S. 6 DESCRIPTION U.S. ROUTE 6, FROM I-294 TO ILLINOIS ROUTE 1

SECT. STRUCT. NO. 016-2819 DRILLED BY PATRICK DRILLING

COUNTY COOK

Boring No. E-1
Station 93+86.48
Offset 49.00ft LT
Surface Elev. 619.00 ft

Core Type NX
Core Diameter 2 in
Core Length 20 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRENGTH (tsf)
581.50	DOLOMITE (RACINE FORMATION): Gray, massive, hard, fine grained, thin to thick bedded, slightly fractured	1	92	60	3	1102.8
	-40.0					1253.5
		2	98	98	3.5	
	-45.0					
		3	95	95	3.5	
	-50.0					
		4	100	93	4	
	-55.0					
561.50	END OF BORING					

Color pictures of the cores YES

Cores will be stored for examination until DECEMBER, 2001.

3/13/2008 11:30:18 AM

g:\17049.069\structures\2819_w_rr\dwg\23_bor_log1.dgn

DESIGNED	AEU
CHECKED	JPB
DRAWN	AEU
CHECKED	JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

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

SOIL BORINGS

CN GATEWAY LEAD TRACK
BRIDGE 20.6E OVER U.S. RTE. 6 (159TH STREET)
STATION 93+69.01 STRUCTURE NO. 016-2819
SCALE: N.T.S. DATE: 2/21/2008