STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	380
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 32
37 SHEETS

CONTRACT NO. 60E10

BORING W-1

Everest Engineering Company

STRUCTURE BORING LOG

Page 1 of 2
Date 61401

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

SECT. STRUCT. NO. 016-2754 DRILLED BY PATRICK DRILLING INC.

COUNTY COOK LOCATION NEAR NW CORNER OF BRIDGE S. 17, TWP. 36 N, RNG. 12 E

Boring No. W-1
Station 90+74.80
Offset 60.00ft LT
Surface Elev. 605.00 ft

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

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
ASPHALT	604.83				
CONCRETE	604.33				
CRUSHED AGGREGATE	604.00				
Very Stiff, Brown SILTY CLAY traces - sand and gravel			2 5 5	2.0 P	12
			2 5 11	4.0 B	16
		-5			
	599.50				
Very Dense to Extremely Dense, Gray SILTY LOAM traces - sand and gravel			12 50/5"		16
		-10	10 26 29		10
			30 50/127mm		11
		-15	20 50 50/3"		9
	589.50				
Hard, Gray SILTY CLAY LOAM traces - sand and gravel			14 25 39	4.5 P	14
	587.00				
Extremely Dense, Gray SILTY LOAM traces - sand and gravel		-20	40 50/3"		10
	584.50				
Extremely Dense, Gray SANDY LOAM AND GRAVEL	584.00				
FOR ROCK CORES - SEE PAGE 2					
		-25			

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 W-1

Everest Engineering Company

STRUCTURE ROCK CORING LOG

Page 2 of 2
Date 61401

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

SECT. STRUCT. NO. 016-2754 DRILLED BY PATRICK DRILLING INC.

COUNTY COOK

Boring No. W-1
Station 90+74.80
Offset 60.00ft LT
Surface Elev. 605.00 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)
584.00	DOLOMITE (RACINE FORMATION): Light gray to gray, massive, hard, fine to medium grained, thin to thick bedded		1	90	75	3.0	1436.5
		-25.0					
		-30.0	2	92	67	3.0	1236
	Closely fractured from elevation 174.8 to 174.6	-35.0	3	100	93	3.0	
	Closely fractured from elevation 172.4 to 172.1	-40.0	4	90	63	5.0	
564.00	END OF BORING						

Color pictures of the cores YES

Cores will be stored for examination until DECEMBER, 2001.

DESIGNED	DRS
CHECKED	JJG
DRAWN	SOI
CHECKED	JJG

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 W-1

METRA & CN BRIDGE 20.6
OVER U.S. RTE. 6 (159TH STREET)
STATION 91+24.94 STRUCTURE NO. 016-2755
SCALE: DATE: 2/21/2008

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