STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 351	2008-001VB	COOK	579	460
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 50
54 SHEETS

CONTRACT NO. 60E10

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 61501

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-2
Station 94+32.42
Offset 51.00ft 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	618.00				
MISCELLANEOUS FILL: sand, gravel, slag, glass, wood, and cinders			12 23 17		10
			14 32 43		6
		-5			
			33 28 20		7
			7 15 17		11
		-10			
			6 14 13		20
FILL	606.00				
Soft, Brown and Gray SILTY CLAY traces - sand, gravel, and topsoil			2 2 5	0.4 B	20
		-15			
FILL	603.50				
Very Stiff, Gray SILTY CLAY traces - sand and gravel Rock pieces in spoon at 4.9 m			8 25 25		
			7 15 34	2.5 B	13
		-20			
	598.50				
Very Dense to Extremely Dense, Gray SILTY LOAM traces - sand and gravel			16 38 50		15
			11 23 41		12
		-25			

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Hard, Gray SILTY CLAY LOAM traces - sand and gravel	589.25	-30			
			37 50/5"		9
		-35			
			17 32 50/3"	4.5 P	15
AUGER REFUSAL	582.09	-40			
		-45			
		-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

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 62201

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

SECT. STRUCT. NO. 016-821 DRILLED BY PATRICK DRILLING

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

Boring No. E-4
Station 95+93.18
Offset 58.00ft LT
Surface Elev. 621.00 ft

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

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
ASPHALT	620.75				
CRUSHED AGGREGATE	620.20				
MISCELLANEOUS FILL: sand, gravel, slag, and cinders			8 12 10		15
			13 6 14		10
		-5			
			4 2 4		12
FILL	613.00				
Stiff, Brown and Gray SILTY CLAY traces - sand and gravel			2 2 5	1.1 B	22
		-10			
			2 4 5	1.5 B	23
FILL	607.00				
TOPSOIL			2 5 7		35
		-15			
	605.50				
Very Stiff to Hard, Brown and Gray SILTY CLAY traces - sand and gravel			3 4 6	2.7 B	21
			4 8 11	4.5 B	16
		-20			
			4 12 15	4.2 S	13
	598.00				
Very Stiff to Hard, Gray SILTY CLAY LOAM traces - sand and gravel			9 21 24	3.5 S	11
		-25			

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
			11 29 23	7.0 S	11
			13 24 25	7.4 S	11
		-30			
Very Dense to Extremely Dense, Gray SILTY LOAM traces - sand and gravel	589.00				
			40 36 32		16
		-35			
			36 50/6"		10
		-40			
AUGER REFUSAL	580.64				
		-45			
		-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

DESIGNED	EV
CHECKED	NPP
DRAWN	EV
CHECKED	NPP

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

STRUCTURES FOR CN INTERMODAL
YARD VEHICLES OVER U.S. RTE. 6 (159TH STREET)

STATION 95+02.14 STRUCTURE NOS. 016-2820 & 016-2821

SCALE: N.T.S. DATE: 2/21/2008

g:\17049.069\structures\2820_w_hwy\dwg\prefinal plans\50-boring1.dgn 3/13/2008 3:08:46 PM