F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	372
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* (2425 & 2626) R-2 CONTRACT NO. 62111

Boring No. 241, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 12/28/01

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-W851 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. 241
Station 6+817 (CL I-80/94)
Offset 30.00m RT
Surface Elev. 182.20 m

Surface Water Elev. ___
Groundwater Elev.: ___
when drilling 177.4
at Completion ___
after ___ Hrs.

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
TOPSOIL 181.90				174.55 Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel			
Very Stiff, Brown and Gray SILTY CLAY trace - gravel and roots 181.60	2 3 3	354 S	18		2 2 4	105 B	21
FILL							
Very Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel	2 3 3	369 S	18	-9.0	3 3 4	192 B	20
-1.5	3 5 5	412 B	20				
	3 5 8	278 B	20	-10.5	2 3 6	115 B	22
Stiff, Gray SILTY CLAY LOAM 179.05 trace - gravel	2 4 6	183 B	19				
	2 3 6	183 B	19	-12.0	3 6 8	276 B	19
-4.0 Medium Dense to Dense, Gray SILTY LOAM 177.55	3 7 11		21	169.90 Hard, Gray CLAY LOAM (Hardpan) trace - gravel			
	6 12 21		20		5 9 11	498 B	13
-6.0 Stiff, Gray SILTY CLAY LOAM 176.05 trace - gravel	2 4 6	163 B	22	168.70 -13.5 END OF BORING			
Medium Dense, Gray SILTY LOAM 175.30	2 5 8		17				
-7.5				-15.0			

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 Meters

Boring No. 243, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 12/19/01

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-W851 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. 243
Station 6+850 (CL I-80/94)
Offset 29.00m RT
Surface Elev. 182.20 m

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

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
TOPSOIL 182.05							
Very Stiff, Brown and Gray SILTY CLAY trace - gravel and roots 181.60	3 4 7	354 B	20		3 6 7	201 B	19
FILL							
Very Stiff, Brown and Gray SILTY CLAY trace - gravel	3 4 4	278 B	21	-1.5	3 4 5	192 B	19
-1.5	2 4 6	297 B	21				
	3 5 6	278 B	21	-3.0	4 5 7	249 B	20
-3.0 Stiff to Very Stiff, Gray SILTY CLAY LOAM 179.05 trace - gravel	3 4 6	163 B	20				
	2 5 6	134 B	22	-4.5	3 4 7	249 B	19
-4.5	3 3 4	134 B	22	166.90 Hard, Gray CLAY LOAM (Hardpan) trace - gravel			
	3 3 5	144 B	21		5 10 11	393 B	18
-6.0	3 3 4	115 B	24	168.70 -13.5 END OF BORING			
	3 4 5	163 B	23	-15.0			

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 Meters

Boring No. 242, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 12/18/01

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-W851 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. 242
Station 6+835 (CL I-80/94)
Offset 30.30m RT
Surface Elev. 182.00 m

Surface Water Elev. ___
Groundwater Elev.: ___
when drilling 178.4
at Completion ___
after ___ Hrs.

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
TOPSOIL 181.77							
Very Stiff, Brown and Gray SILTY CLAY trace - gravel and roots	2 3 6	335 P	20		2 4 5	172 B	20
FILL 181.10							
Very Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel and roots	2 4 7	317 B	18	-4.0	2 4 5	163 B	20
-1.5	3 3 6	316 B	20				
	2 4 5	335 B	20	-5.5	3 6 8	249 B	19
-3.5 Very Stiff, Gray SILTY CLAY LOAM 178.85 trace - gravel	2 4 5	192 B	19				
	3 5 6	211 B	20	-7.0	3 5 9	240 B	19
-4.4 Medium Dense, Gray SILTY LOAM 177.85							
-4.6 Stiff, Gray SILTY CLAY LOAM 177.35 trace - gravel	2 3 4	172 B	21	169.70 Hard, Gray CLAY LOAM (Hardpan) trace - gravel			
	2 3 4	105 B	25		5 9 13	431 B	13
-6.0 Loose, Gray SILTY LOAM 175.85	3 3 5		20	168.50 -13.5 END OF BORING			
-6.3 Stiff to Very Stiff, Gray SILTY CLAY LOAM 175.10 trace - gravel	3 4 6	240 B	20	-15.5			

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 Meters

SHT. RW851-14 OF 14

REVISIONS	
NAME	DATE

Shah Engineering, Inc.
ONE IBM PLAZA SUITE 3200
CHICAGO, IL 60611
TEL: 312/836-9000
Consulting Engineers

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
RETAINING WALL - STRUCTURE NO. 016-W851
SECTION (2425 & 2626) R-2
COOK COUNTY

BORING LOGS

DATE: 7/18/2005 DRAWN BY: CHECKED BY: MJK

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

\\AB99002A.DGN, \\AB99902A.DGN
7-12-2005 10:25:49 "\\DOCUMENT\V9175O\STRUCT\DGN\B07502A.DGN
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63
BAJZEKJ