F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	501
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

Boring No. 42, Page 1 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 2
Date 2/26/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-2791 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___ TWP. 36 N. RNG. 14E/15 E

Boring No. 42
Station 6+808 (CL I-80/94)
Offset 16.00m LT.
Surface Elev. 186.50 m

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

Description	Elev.	Depth	Blows	Qu kPa	W %
ASPHALT	186.33				
CRUSHED STONE	186.20				
Stiff to Very Stiff, Brown and Gray SILTY CLAY trace - gravel			3 3 5	276 B	21
			3 2 5	201 B	18
		6.0			
	177.36				
Medium Stiff to Stiff, Gray SILTY CLAY LOAM trace - gravel			3 5 6	182 B	18
			4 4 6	172 B	22
		10.0			
			3 4 5	240 B	20
			3 4 4	201 B	21
		13.0			
FILL	181.85				
Medium Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel			3 5 9	517 B	19
			3 5 7	278 B	18
		16.0			
Gray after 6.15 m			4 5 7	163 B	19
			3 4 4	115 B	18
		19.0			

Description	Elev.	Depth	Blows	Qu kPa	W %
			3 4 5	77 B	25
			3 2 2	115 B	24
		6.0			
			2 3 4	77 B	24
		13.0			
			3 4 4	163 B	21
		16.0			
			3 4 6	163 B	21
		19.0			
			1 2 3	144 B	22
		22.0			

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. 43, Page 1 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 2
Date 2/28/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-2791 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___ TWP. 36 N. RNG. 14E/15 E

Boring No. 43
Station 6+737 (CL I-80/94)
Offset 16.00m RT.
Surface Elev. 186.50 m

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

Description	Elev.	Depth	Blows	Qu kPa	W %
ASPHALT					
Medium Stiff to Very Stiff, Brown and Gray SILTY CLAY trace - gravel and roots	186.15		3 4 7	172 S	24
			5 3 6	77 B	27
		3.0			
			3 4 5	201 B	22
			3 4 6	249 B	21
		6.0			
			3 4 5	240 B	20
trace - topsoil at 4.05 m			2 3 5	249 B	31
		9.0			
FILL	181.85				
Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel			2 4 6	498 B	19
			2 4 5	288 B	20
		12.0			
Gray after 6.9 m			3 4 5	201 B	20
			2 4 5	115 B	20
		15.0			

Description	Elev.	Depth	Blows	Qu kPa	W %
Surface Water Elev. ___ Groundwater Elev.: ___ when drilling ___ at Completion ___ after ___ Hrs. ___					
			2 2 3	172 B	20
			3 5 7	201 B	21
		3.0			
Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel	177.35				
			4 4 4	96 B	24
		6.0			
			3 4 5	201 B	21
		9.0			
			4 4 5	220 B	21
		12.0			
			4 5 6	211 B	20
		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. 44, Page 1 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 2
Date 2/28/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-2791 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___ TWP. 36 N. RNG. 14E/15 E

Boring No. 44
Station 6+757 (CL I-80/94)
Offset 22.00m RT.
Surface Elev. 182.20 m

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

Description	Elev.	Depth	Blows	Qu kPa	W %
TOPSOIL	181.90				
Stiff, Brown, Gray and Black SILTY CLAY trace - gravel			8 3 4	163 B	21
FILL	181.30				
Stiff, Brown and Gray SILTY CLAY trace - gravel			4 3 4	153 S	22
		1.5			
Gray after 1.65 m			2 4 6	163 B	19
			2 4 5	163 B	16
		3.0			
Medium Dense, Gray SILTY LOAM	179.05		3 10 14		21
			6 5 12		20
		4.5			
Stiff, Gray SILTY CLAY LOAM trace - gravel	177.55		2 3 5	163 B	16
			5 10 13		19
		6.0			
Medium Dense, Gray SILTY LOAM	176.80		5 8 13		19
			3 3 3	96 B	23
		7.5			
Stiff, Gray SILTY CLAY LOAM trace - gravel	176.05		1 2 7		17
		9.0			
Loose, Gray SILTY LOAM trace - gravel	175.30				

Description	Elev.	Depth	Blows	Qu kPa	W %
Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel	174.55				
			2 3 4	163 B	19
		1.5			
			2 4 4	163 B	20
		3.0			
			2 3 5	201 B	20
		4.5			
			3 4 5	276 B	19
		6.0			
			5 8 8	363 B	13
		7.5			
Hard, Gray CALY LOAM (Hardpan) trace to little - gravel	168.40				
			6 8 9	479 B	13
		13.5			

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

Boring No. 42, Page 2 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 2 of 2
Date 2/28/02

STRUCTURE NO. 016-2791
ROUTE FAI 80/94
SECTION WEST OF IL 83 TO EASTOF BURNHAM AVE.
COUNTY COOK

Boring No. 42
Station 6+808 (CL I-80/94)
Offset 16.00m LT.
Surface Elev. 171.50 m

Description	Elev.	Depth	Blows	Qu kPa	W %
			2 3 4	115 B	19
		18.5			
Very Stiff to Hard, Gray CLAY LOAM trace to little - gravel	169.55				
			5 7 9	431 B	14
		19.0			
			7 9 12	517 B	13
		19.5			
			3 3 6	316 B	14
		21.0			
			5 7 10	278 B	13
		22.5			

Description	Elev.	Depth	Blows	Qu kPa	W %
Hard, Gray CALY LOAM (Hardpan) trace to little - gravel	162.20				
			4 6 9	240 B	15
		24.0			
			9 16 21	747 B	12
		26.0			
			22 32 43	851 S	12
END OF BORING	159.50	27.0			
			3 5 8	278 B	13
		30.0			

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. 43, Page 2 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 2 of 2
Date 2/28/02

STRUCTURE NO. 016-2791
ROUTE FAI 80/94
SECTION WEST OF IL 83 TO EASTOF BURNHAM AVE.
COUNTY COOK

Boring No. 43
Station 6+737 (CL I-80/94)
Offset 16.00m RT.
Surface Elev. 171.50 m

Description	Elev.	Depth	Blows	Qu kPa	W %
			2 4 5	201 B	20
		18.5			
			7 7 9	354 B	14
		21.0			
			6 7 10	297 B	14
		24.0			
			5 6 7	240 B	14
		27.0			
Medium Dense, Gray SILTY LOAM trace - gravel	165.05				
			7 11 11		14
		29.5			

Description	Elev.	Depth	Blows	Qu kPa	W %
Hard, Gray CLAY LOAM (Hardpan) trace to little - gravel	163.55				
			6 10 15	583 P	15
		34.0			
			12 16 21	671 B	14
		36.5			
			15 17 42	766 S	13
END OF BORING	159.50	37.0			
			5 8 9	363 B	15
		39.0			

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. 44, Page 2 of 2

Everest Engineering Company
STRUCTURE BORING LOG

Page 2 of 2
Date 2/28/02

STRUCTURE NO. 016-2791
ROUTE FAI 80/94
SECTION WEST OF IL 83 TO EASTOF BURNHAM AVE.
COUNTY COOK

Boring No. 44
Station 6+757 (CL I-80/94)
Offset 22.00m RT.
Surface Elev. 167.20 m

Description	Elev.	Depth	Blows	Qu kPa	W %
			5 8 9	583 P	15
		18.5			
			4 7 9	583 P	15
		21.0			
			6 7 11	431 P	15
		23.5			
Very Dense to Extreme Dense, Gray SILTY LOAM (Hardpan) trace to little - gravel	162.35				
			6 23 33		10
		31.0			
END OF BORING	150.00		50/125 mm		13
		37.5			

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. BS-59 OF 60

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
I-80/94 OVER BURNHAM AVENUE
STRUCTURE NO. 016-2791 STA. 6+772.591
SECTION 1977-121-R
COOK COUNTY

BORING LOGS - II

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

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

BAJZKKJ 6061626263
\A89900\2.DGN,\B99R132A.DGN T:\DOCUMENT\93750\STRUCT\DGN\B076032A.DGN
7-12-2005, 02:27:06
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