F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	442
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (2425 & 2626) R-2	CONTRACT NO. 62111			

Boring No. 357, Page 1 of 2

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 2
Date 1/31/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-2792 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. 357
Station 6+040 (CL I-80/94)
Offset 32.00m RT.
Surface Elev. 183.00 m

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

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
SAND AND GRAVEL FILL 182.70							
Very Stiff, Brown and Gray SILTY CLAY trace - gravel	3 5 6	251	21		2 2 4	201	17
	2 3 5	259	24		1 3 5	183	21
	2 3 6	297	21				
	4 7 8	297	21		1 3 5	183	20
Medium Dense, Gray SILTY LOAM trace - gravel 179.85	2 7 12		20				
Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel 179.10	2 3 5	144	23		3 4 6	240	21
	2 6 10	172	21				
	4 5 6	183	29		4 6 6	240	18
	3 4 6	183	17				
	3 5 6	201	17		4 7 10	240	14

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. 358, Page 1 of 2

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 2
Date 2/13/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-2792 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION I-80/94 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. 358
Station 6+054 (CL I-80/94)
Offset 32.00m RT.
Surface Elev. 183.30 m

Surface Water Elev. ___
Groundwater Elev.: when drilling 178.5 at Completion ___ after 24 Hrs. 182.4

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
CRUSHED STONE 175.65							
FILL 182.85	4 6 7	383	20	Loose to Medium Dense, Gray SILTY LOAM trace - gravel	3 4 4		20
Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel	3 5 7	335	21		2 4 6		19
	2 4 5	183	22				
Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel 180.90	4 5 5	192	21		4 5 5		28
	3 3 6	115	20	Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel 172.35			
	2 4 6	183	21		4 11 12	144	25
	3 4 5	240	22				
Loose, Gray SILTY LOAM trace - gravel 177.60	3 4 6		18		4 5 9	220	20
Very Stiff, Gray SILTY CLAY LOAM trace - gravel 177.15	3 4 6	201	21				
	3 4 7	201	21		4 7 10	220	19

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. 357, Page 2 of 2

Everest Engineering Company
STRUCTURE BORING LOG
Page 2 of 2
Date 1/31/02

STRUCTURE NO. 016-2792
ROUTE FAI 80/94
SECTION WEST OF IL 83 TO EASTOF BURNHAM AVE.
COUNTY COOK

Boring No. 357
Station 6+040 (CL I-80/94)
Offset 32.00m RT.
Surface Elev. 168.00 m

DEPTH	BLOWS	Qu kPa	W %	DEPTH	BLOWS	Qu kPa	W %
				Extreme Dense, SANDY LOAM trace to little - gravel 160.35	39 50/100 mm		14
	3 5 6	249	14	END OF BORING 159.90			
	3 9 11	201	13				
Hard, Gray CLAY LOAM (Hardpan) trace to little - gravel 164.70							
	9 11 14	651	14				
Extreme Dense, Gray SILTY LOAM trace to little - gravel 153.05							
	50/125 mm		12				
	50/125 mm		15				

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. 358, Page 2 of 2

Everest Engineering Company
STRUCTURE BORING LOG
Page 2 of 2
Date 2/13/02

STRUCTURE NO. 016-2792
ROUTE FAI 80/94
SECTION WEST OF IL 83 TO EASTOF BURNHAM AVE.
COUNTY COOK

Boring No. 358
Station 6+054 (CL I-80/94)
Offset 32.00m RT.
Surface Elev. 188.30 m

DEPTH	BLOWS	Qu kPa	W %
	5 10 14	318	14
	3 5 7	201	13
	4 7 11	240	15
Extreme Dense, Gray SILTY LOAM (Hardpan) trace to little - gravel 163.35			
	15 50/150 mm		16
END OF BORING 161.00	31 50/100 mm		17

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. RS-70 OF 70

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 RAILROAD AVENUE
STRUCTURE NO. 016-2792 STA. 6+025.000
SECTION 1977-121-R
COOK COUNTY

BORING LOGS - III

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

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

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