F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	COOK	631	339K
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

Boring No. CU-1, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/17/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36 N, RNG. 14E/15 E

Boring No. CU-1
Station 5+566
Offset 38.5m RT.
Surface Elev. 183.50 m
Surface Water Elev. ___
Groundwater Elev.: when drilling ___ at Completion ___ after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
ASPHALT PAVEMENT	183.15				
Medium Dense, Brown SAND trace - gravel FILL	183.05		8 5 5	354 B	10
Very Stiff, Black SILTY CLAY trace - gravel and brick FILL	182.60	-1.5	4 3 5	201 B	13
Stiff to Very Stiff, Brown and Gray SILTY CLAY trace - gravel			3 2 3	115 B	20
	180.71	-3.0	4 2 4		23
Loose to Medium Dense, Brown and Gray SILTY LOAM			6 7 3		20
	179.06	-4.5	4 9 6		18
Medium Stiff, Brown and Gray SILTY CLAY trace - gravel	178.70				
Very Loose, Brown and Gray SILTY LOAM	178.40		2 1 1	38 B	22
Soft, Gray SILTY CLAY trace - gravel		-6.0	1 1 2	38 B	21
Medium Stiff to Stiff, Gray SILTY CLAY LOAM trace - gravel	177.20		1 1 1	115 B	23
		-7.5	1 2 2	72 B	21
			3 4 4	115 B	20
END OF BORING	175.55	-9.0			
		-10.5			
		-12.0			
		-13.5			
		-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. CU-1S, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/17/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36 N, RNG. 14/15 E

Boring No. CU-1S
Station 5+566
Offset 39.0m RT.
Surface Elev. 183.50 m
Surface Water Elev. ___
Groundwater Elev.: when drilling ___ at Completion ___ after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
FROM 0.0 FEET TO 5.0 FEET SEE STRUCTURE BORING LOG FOR BORING NO. CU-1					
Very Stiff, Brown and Gray SILTY CLAY trace - gravel	182.00	-1.5		278	23
				307	21
				230	21
				192	22
Loose to Medium Dense, Brown and Gray SILTY LOAM	180.71	-3.0			17
					21
					21
				67	21
	179.00	-4.5		230	19
Medium Stiff, Brown and Gray SILTY CLAY trace - gravel				48	21
Very Loose/Medium Stiff, Brown and Gray SILTY LOAM	178.70				
Soft to Stiff, Gray SILTY CLAY trace - gravel	178.40			86	21
				57	21
				96	23
				38	21
		-6.0		120	23
	177.20			115	24
Medium Stiff to Stiff, Gray SILTY CLAY LOAM trace - gravel				86	18
				96	21
				115	17
END OF BORING	176.60	-7.5			

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. CU-2, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/23/02

ROUTE FAI 80/94 DESCRIPTION LOMGERU EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36 N, RNG. 14/15 E

Boring No. CU-2
Station 5+566
Offset 1.2m LT.
Surface Elev. 184.10 m
Surface Water Elev. ___
Groundwater Elev.: when drilling ___ at Completion ___ after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
ASPHALT PAVEMENT	183.80				
Stiff to Very Stiff Brown and Gray SILTY CLAY trace - gravel			4 5 5	201 B	16
		-1.5	4 2 5	163 B	12
FILL	182.45				
Very Stiff, Brown and Gray SILTY CLAY trace - gravel			3 2 4	240 B	19
		-3.0	3 3 3	249 B	20
Medium Dense, Brown and Gray SILTY LOAM	180.95		5 5 7		27
		-4.5	7 8 8		27
Soft to Medium Stiff, Gray SILTY CLAY trace - gravel	179.45		4 2 1	29 B	22
		-6.0	1 1 2	57 B	25
Medium Stiff to Stiff, Gray SILTY CLAY LOAM trace - gravel	177.95		0 1 2	57 B	27
		-7.5	0 1 3	96 B	20
			4 5 6	77 B	21
END OF BORING	176.15	-9.0			
		-10.5			
		-12.0			
		-13.5			
		-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. CU-3, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/18/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36N, RNG. 14/15E

Boring No. CU-3
Station 5+566
Offset 31.3m LT.
Surface Elev. 183.20 m
Surface Water Elev. ___
Groundwater Elev.: when drilling 181.4 at Completion 175.7 after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
TOPSOIL	182.90				
Very Stiff Brown and Gray SILTY CLAY LOAM trace - gravel and roots			10 5 5	240 P	21
Loose, Brown SANDY LOAM trace - gravel	182.30	-1.5	3 2 1		11
Stiff, Brown and Gray SILTY CLAY trace - gravel	181.55		1 2 4	144 P	23
Loose, Gray SILTY LOAM	180.95	-3.0	1 2 3		23
			4 2 3	57 B	22
Stiff, Brown and Gray SILTY CLAY trace - gravel	179.30	-4.5	7 10 4	120 P	20
Loose, Gray SILTY LOAM	178.40		1 2 2		23
Stiff, Brown and Gray SILTY CLAY trace - gravel	177.95		1 2 2	96 P	26
Medium Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel	177.20	-6.0	1 4 5	201 B	19
		-7.5	2 4 5	115 B	21
			6 7 8	96 B	21
END OF BORING	175.25	-9.0			
		-10.5			
		-12.0			
		-13.5			
		-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. CU-3S, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/18/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36N, RNG. 14/15E

Boring No. CU-3S
Station 5+566
Offset 31.0m LT.
Surface Elev. 183.20 m
Surface Water Elev. ___
Groundwater Elev.: when drilling ___ at Completion ___ after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
FROM 0.0 FEET TO 5.0 FEET SEE STRUCTURE BORING LOG FOR BORING NO. CU-3					
Stiff to Very Stiff, Brown and Gray SILTY CLAY trace - gravel	181.70	-1.5		230	23
				182	24
Loose/Medium Stiff to Very Stiff, Brown and Gray SILTY LOAM	181.01				21
				163	22
		-3.0			
				230	21
				67	20
	179.30			115	19
Medium Stiff to Stiff, Brown and Gray SILTY CLAY trace - gravel				77	21
				105	25
		-4.5		125	23
				57	21
				125	23
Loose, Gray SILTY LOAM	178.25				
Medium Stiff to Stiff, Gray SILTY CLAY trace - gravel	178.10			134	22
				67	23
				105	27
	177.50			125	29
Medium Stiff to Stiff, Gray SILTY CLAY LOAM trace - gravel				115	23
		-6.0			
				144	22
				86	21
	176.30			163	22
END OF BORING		-7.5			

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. CU-4, Page 1 of 1

Everest Engineering Company
STRUCTURE BORING LOG
Page 1 of 1 Date 7/18/02

ROUTE FAI 80/94 DESCRIPTION KINGERY EXPRESSWAY
SECT. WEST OF IL 83 TO EASTOF BURNHAM AVE. STRUCT. NO. 016-C013 DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BOX CULVERT AT I-80/94, STA. 5+566 S. ___, TWP. 36N, RNG. 14/15E

Boring No. CU-4
Station 5+566
Offset 54.0m LT.
Surface Elev. 182.90 m
Surface Water Elev. ___
Groundwater Elev.: when drilling ___ at Completion ___ after ___ Hrs. ___

Description	Elev. (m)	Depth	Blows	Qu kPa	W %
TOPSOIL	182.67				
Stiff to Hard, Brown and Gray SILTY CLAY trace - gravel and roots			7 7 9	431 P	7
		-1.5	6 7 8	517 S	10
			4 2 4	115 B	21
Medium Dense, Brown SILTY LOAM	180.60	-3.0	9 11 14		23
Medium Stiff to Very Stiff, Gray SILTY CLAY LOAM trace - gravel	179.75		2 2 4	77 B	20
		-4.5	2 3 6	57 B	19
			2 2 3	192 B	17
		-6.0	4 5 8	201 B	16
			2 3 4	172 B	20
		-7.5	3 4 5	163 B	19
			8 8 11	115 B	19
END OF BORING	174.95	-9.0			
		-10.5			
		-12.0			
		-13.5			
		-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

SHT. BC-11 OF 11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION
BOX CULVERT
STRUCTURE NO. 016-C013 STA. 5+566.000
SECTIONS 2001-167R AND (2425 & 2626) R-1
COOK COUNTY

BORING LOGS

DATE: 1/4/06
DRAWN BY: OD
CHECKED BY: MJK

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

1 Added Sheet 01/04/2006

..\B099RI52A.DGN, ..\AB99001 2A.DGN 12-30-2005, 10:10:22 T:\DOCUMENT\I93175O1\STRUCT\DGN\B01T0292A.DGN VARSHNKZ