STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 3887	06-00214-06-BR	KANE	55	38
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 23
25 SHEETS

CONTRACT NO. 83923

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2

ROUTE F.A.U. 3887 DESCRIPTION IL Route 31 over New Stearns Road
Date Started 6/23/04
Date Completed 6/23/04
SECTION 06-00214-02-BR STRUCT. NO. 045-2031 DRILLED BY TSC I, CD, SSS
COUNTY Kane LOCATION West End North Abutment S. 2 - SW 1/4 TWP. 40 N RNG. 8 E

Boring No. RTE31-1
Station 112+91
Offset 33.00ft RT
Surface Elev. 760.69 ft

Surface Water Elev. ____
Groundwater Elev.:
when drilling 5/6.7
at Completion ____
after ____ Hrs. ____

Description	Depth	Blows	Qu tsf	W %
Dark brown clayey topsoil				
Dark gray SAND and GRAVEL, damp A-1		14 10 12	P 4.5	7.9 22.7
Black and brown CLAY, moist A-7-5				
Stiff to hard brown, trace organic, moist		9 9 12	0 P	18.6 22.0
Very stiff to hard brown CLAY, trace gravel, moist		7 6 8	0 2.0 15%	23.2 10.0
Medium dense brown SAND and GRAVEL, damp		11 13 13	4.5	
Medium dense brown SILTY CLAY LOAM, moist		11 13 16	4.5	
Dense brown GRAVEL and GRAVEL, occasional cobbles, damp		11 13 16	4.5	
Medium dense brown SAND and GRAVEL, occasional cobbles, damp		10 10 12	3.0	
Medium dense brown SAND and GRAVEL, damp A-1		10 10 12	5.0	

Description	Depth	Blows	Qu tsf	W %
Medium dense brown SAND and GRAVEL, damp A-1		7 11 15		5.1
	32.0			
		17 15 18		4.0
Dense brown SAND and GRAVEL, damp A-1		12 21 14		2.9
	38			
	43.0			
Medium dense brown SILTY CLAY LOAM, moist A-6		8 10 14	1.5	17.9
	50.0			
Dense gray clayey SILT moist to very moist A-4/A-5		14 19 19		20.0
	63.0			
Dense brown SAND and GRAVEL, damp A-1		16 15 22		4.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

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STRUCTURE NO. 045-2031
ROUTE F.A.U. 3887
SECTION 06-00214-02-BR
COUNTY Kane

STRUCTURE NO. 045-2031
ROUTE F.A.U. 3887
SECTION 06-00214-06-BR
COUNTY Kane

Boring No. RTE31-1
Station 112+91
Offset 33.00ft RT
Elevation 760.69 ft

Description	Depth	Blows	Qu tsf	W %
Dense brown SAND and GRAVEL, damp A-1		15 15 20	3.4	
Dense gray clayey SILT moist A-4		16 13 20	1.8	
Dense gray SILTY CLAY LOAM, moist A-6/A-5		13 13 16	3.0	14.3
Hard gray CLAY, trace to little gravel, moist A-6		17 18 23	5.8 15%	12.0

Elevation ____ ft

Description	Depth	Blows	Qu tsf	W %
Hard gray CLAY, trace to little gravel, moist A-6		15 15 20	3.4	13.6
Dense gray SAND and GRAVEL, occasional cobbles saturated		17 15 30	3.0	14.0

Probable Fracture Rock, hard drilling

Auger Refusal at 80ft

Diedrich D-120 Drill Rig (#282)
CME Automatic Hammer
3.25" (83 mm) ID HSA

N (N) = Sum of last two Blows, Qu = Qu Qu Penetrometer, W = Moisture Content, Elevations and Depths, Offset, and Elevations are approximate.

DESIGNED	NPP
CHECKED	JPB
DRAWN	SOI
CHECKED	JPB

URS
100 South Wacker Drive,
Suite 500
Chicago, IL 60606
(312) 939-1000

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 31 OVER NEW STEARNS ROAD
KANE COUNTY

SOIL BORING LOG 1

F.A.U. [illegible]
STA. [illegible]+61.11
SCALE:

SECTION 06-00214-06-BR
STRUCTURE NO. 045-2031
DATE: 00/00/2007

$DATE$ $TIME$ $FILE$