

BORING LOG HG-04 (1 OF 1)

BORING LOG HG-04
WEI Job No.: 665-05-03
Datum: NGVD
Elevation: 182.10 m
North: 547544.64 m
East: 362481.69 m
Station: 18+860.00
Offset: 24.73 RT

Client: HNTB Corporation
Project: IL 394 (FAP 94) IDOT D-91-012-01
Location: Sections 25&26, T36N, R14E, Cook Co.

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)
182.1	Black LOAM --TOPSOIL--	0	1	1	136		18	182.1		0	11	1	136		18
181.5	Very stiff to hard, brown and gray SILTY CLAY --FILL--	0.5	2	2	400		20	181.5		0.5	12	2	400		20
180.8	Loose, brown SILT	1.3	3	3	NP		25	180.8		1.3	13	3	NP		25
178.3	Soft, gray CLAY	3.8	4	4	NP		26	178.3		3.8	14	4	NP		26
176.6	Stiff, gray CLAY	5.5	5	5	39		23	176.6		5.5	15	5	39		23
			6	6	39		24				16	6	39		24
			7	7	42		25				17	7	42		25
			8	8	118		26				18	8	118		26
			9	9	133		21				19	9	133		21
			10	10	133		19								

Boring terminated at 12.19 m

GENERAL NOTES Begin Drilling: 04-30-2002 Complete Drilling: 04-30-2002 Drilling Contractor: Patrick Drilling Drill Rig: CME 75 Driller: J&L Logger: N. Davis Checked by: B. Fudiel Drilling Method: 3.25-inch HSA, Boring grouted after completion	WATER LEVEL DATA While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: NA The stratification lines represent the approximate boundary between soil types, the actual transition may be gradual.
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BORING LOG HR-01 (1 OF 1)

BORING LOG HR-01
WEI Job No.: 665-05-01
Datum: NGVD
Elevation: 182.15 m
North: 547478.84 m
East: 362485.49 m
Station: 18+944.98
Offset: 21.8 RT

Client: HNTB Corporation
Project: IL 394 (FAP 94) IDOT D-91-012-01
Location: Sections 25&26, T36N, R14E, Cook Co.

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)
182.1	203-mm thick ASPHALTIC CONCRETE --PAVEMENT--	0	1	1	NP		24	182.1		0	11	1	NP		24
181.5	Loose, dark gray SILTY LOAM, trace asphalt cuttings --FILL--	0.5	2	2	2		3	181.5		0.5	12	2	2		3
181.0	Very stiff, gray and brown SILTY CLAY --FILL--	1.0	3	3	359		19	181.0		1.0	13	3	359		19
180.5	Very stiff, black CLAY LOAM --BURIED TOPSOIL--	1.5	4	4	NP		16	180.5		1.5	14	4	NP		16
179.7	Stiff to very stiff, brown SILTY CLAY	2.3	5	5	192		21	179.7		2.3	15	5	192		21
176.3	Boring terminated at 3.01 m	3.01						176.3		3.01					

GENERAL NOTES Begin Drilling: 09-29-2001 Complete Drilling: 09-29-2001 Drilling Contractor: Patrick Drilling Drill Rig: CME 75 Driller: T&L Logger: E. Datz Checked by: J.C. Drilling Method: 3.25-inch ID HSA, Boring grouted after completion	WATER LEVEL DATA While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: NA The stratification lines represent the approximate boundary between soil types, the actual transition may be gradual.
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BORING LOG HR-02 (1 OF 1)

BORING LOG HR-02
WEI Job No.: 665-05-01
Datum: NGVD
Elevation: 182.53 m
North: 547434.37 m
East: 362488.27 m
Station: 18+989.48
Offset: 21.97 RT

Client: HNTB Corporation
Project: IL 394 (FAP 94) IDOT D-91-012-01
Location: Sections 25&26, T36N, R14E, Cook Co.

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	Sample No. (100 mm)	N Values (lb/in ²)	q _u (kPa)	Moisture Content (%)
182.5	Black SILTY LOAM --TOPSOIL--	0	1	1	431		15	182.5		0	11	1	431		15
181.5	Hard, brown and gray SILTY CLAY --FILL--	1.0	2	2	NP		26	181.5		1.0	12	2	NP		26
180.8	Loose, brown and gray SILTY CLAY --FILL--	1.7	3	3	152		27	180.8		1.7	13	3	152		27
180.2	Stiff, black CLAY LOAM --BURIED TOPSOIL--	2.3	4	4	431		21	180.2		2.3	14	4	431		21
179.5	Hard, brown and gray CLAY	3.0	5	5				179.5		3.0					
	Boring terminated at 3.05 m	3.05								3.05					

GENERAL NOTES Begin Drilling: 09-29-2001 Complete Drilling: 09-29-2001 Drilling Contractor: Patrick Drilling Drill Rig: CME 75 Driller: T&L Logger: E. Datz Checked by: J.C. Drilling Method: 3.25-inch ID HSA, Boring grouted after completion	WATER LEVEL DATA While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: NA The stratification lines represent the approximate boundary between soil types, the actual transition may be gradual.
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DESIGNED: LAS
CHECKED: DAZ
DRAWN: SAW
CHECKED: LAS

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 80 (INTERSTATE 80/94)
INTERSTATE 294 TO US ROUTE 41
SOIL BORING LOGS 2
IL 394 (F.A.I. 94) RETAINING WALL
SECTION (0203.1 & 0312-708W) R-3
COOK COUNTY
STA. 18+876.000 STRUCTURE NO. 016-W866
DATE: JULY 18, 2005
SCALE: _____
BRANCO & ZROKA
ENGINEERING, P.C.