

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F. A. I. 80/94	SECTION 0203.1B	COUNTY COOK	TOTAL SHEETS 200	SHEET NO. 145	SHEET NO. 83 91 SHEETS
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT- CONTRACT NO. 62854		

**BORING LOG HB-18** Page 1 of 2

Wang Engineering, Inc.  
145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 665-05-01  
Client: HNTB Corporation  
Project: IL 394 (FAP 94) IDOT D-91-012-01  
Location: Sections 25&26, T36N, R14E, Cook Co.

Datum: NGVD  
Elevation: 190.26 m  
North: 545592.59 m  
East: 362050.18 m  
Station: 440+230.24  
Offset: 5.59 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)	Soil Profile	Soil AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)
190.26	127-mm thick ASPHALTIC CONCRETE over 254-mm thick CONCRETE	0-8	1	4	335	13			8	11	3	293	18
188.0	CRUSHED STONE	8-11	2	7	NP	17			11	12	5	503	15
186.0	Very stiff, gray SILTY CLAY	11-13	3	8	NP	13			13	13	4	477	18
184.0	Medium dense, brown to gray medium SAND to SANDY LOAM	13-15	4	7	NP	15		Very stiff to stiff, gray CLAY	15	14	4	314	17
182.0	Dense, brown and gray medium SAND	15-18	5	4	NP	18			18	15	6	212	19
180.0	Very stiff, black CLAY	18-21	6	10	NP	11			21	16	4	189	18
178.0	Very stiff to hard, brown and gray CLAY with root traces immediately below the buried topsoil	21-22	7	13	NP	17			22	17	3	118	21

**GENERAL NOTES**

Begin Drilling: 03-14-2002 Complete Drilling: 03-14-2002  
Drilling Contractor: TSC Drill Rig: CME 75  
Driller: C&J Logger: H. Suhail Checked by: L. Iordache  
Drilling Method: 3.25-inch ID HSA; Boring grouted after completion

**WATER LEVEL DATA**

While Drilling: 5.49 m  
At Completion of Drilling: 18.59 m  
Time After Drilling: NA  
Depth to Water: NA

**BORING LOG HB-18** Page 2 of 2

Wang Engineering, Inc.  
145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 665-05-01  
Client: HNTB Corporation  
Project: IL 394 (FAP 94) IDOT D-91-012-01  
Location: Sections 25&26, T36N, R14E, Cook Co.

Datum: NGVD  
Elevation: 190.26 m  
North: 545592.59 m  
East: 362050.18 m  
Station: 440+230.24  
Offset: 5.59 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)	Soil Profile	Soil AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)
176.0	Very stiff, gray SILTY CLAY	22-25	8	5	NP	19			25	18	5	283	19
174.0	Very dense, gray SILT to SILTY LOAM	25-28	9	4	NP	14			28	19	4	290	14
172.0		28-30	10	6	NP	14			30	20	6	385	14
170.0		30-32	11	10	NP	9			32	21	40	5027	9
168.0		32-35	12	25	NP	15			35	22	25	5028	15

**GENERAL NOTES**

Begin Drilling: 03-14-2002 Complete Drilling: 03-14-2002  
Drilling Contractor: TSC Drill Rig: CME 75  
Driller: C&J Logger: H. Suhail Checked by: L. Iordache  
Drilling Method: 3.25-inch ID HSA; Boring grouted after completion

**WATER LEVEL DATA**

While Drilling: 5.49 m  
At Completion of Drilling: 18.59 m  
Time After Drilling: NA  
Depth to Water: NA

**BORING LOG HB-20** Page 1 of 2

Wang Engineering, Inc.  
145 Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9938

WEI Job No.: 665-05-01  
Client: HNTB Corporation  
Project: IL 394 (FAP 94) IDOT D-91-012-01  
Location: Sections 25&26, T36N, R14E, Cook Co.

Datum: NGVD  
Elevation: 194.48 m  
North: 545433.35 m  
East: 362007.01 m  
Station: 120+841.07  
Offset: 4.90 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)	Soil Profile	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Value (blows/30 mm)	Cu (MPa)	Moisture Content (%)
194.48	127-mm thick, black SANDY CLAY LOAM	0-7	1	7	287	29			7	11	6	189	21
192.0	203-mm thick, brown, medium SAND	7-10	2	3	212	28			10	12	4	283	21
190.0	102-mm thick, hard, black CLAY	10-12	3	4	322	23			12	13	7	275	19
188.0	Very stiff, gray CLAY	12-15	4	3	204	21			15	14	8	287	22
186.0	Stiff to very stiff, gray CLAY	15-18	5	6	236	20			18	15	8	287	22
184.0		18-22	6	3	199	20			22	16	3	140	22
182.0		22-26	7	3	110	26		Very stiff to hard, gray SILTY CLAY	26	17	15	26	14
180.0		26-30	8	4	198	23			30	18	6	189	21
178.0		30-32	9	4	168	21		Very dense, gray SILTY LOAM	32	19	6	189	21

**GENERAL NOTES**

Begin Drilling: 02-25-2002 Complete Drilling: 02-25-2002  
Drilling Contractor: TSC Drill Rig: Diedrich D-120  
Driller: L&B Logger: T. Chan Checked by: E. Datz  
Drilling Method: 2.24-inch ID HSA; Boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: DRY  
At Completion of Drilling: DRY  
Time After Drilling: NA  
Depth to Water: NA

Notes:  
1. For Page 2 of 2 of Boring Log HB-20, see Sheet No. 84 of 91 sheets.

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28-MAR-2005 12:25

DESIGNED	---
CHECKED	---
DRAWN	JRB
CHECKED	GPM

ILLINOIS DEPARTMENT OF TRANSPORTATION  
I-94/IL 394 SOUTH BOUND  
BORING LOGS HB-18 AND HB-20  
WB I-80/94 TO SB IL 394 - RAMP G  
FAI 80/94 - FAP 332 SECTION 0203.1B  
COOK COUNTY  
STA. 120+796.063 STRUCTURE NO. 016-2804  
DATE 3/23/05  
SCALE ---  
**HNTB**