

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	0203.1B	COOK	200	147
SHEET NO. 85 91 SHEETS				
CONTRACT NO. 62854				

BORING LOG HB-22 Page 1 of 2

Wang Engineering, Inc.
1945 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

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

Date: NGVD
Elevation: 180.02 m
North: 545546.31 m
East: 362878.46 m
Station: 120+707.88
Offset: 2.40 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)
189.9	152-mm thick ASPHALT -PAVEMENT-												
189.4	CRUSHED STONE -BASE COURSE-												
189.4	Hard, gray SILTY CLAY -FILL-	1	4	432	14				8	11	5	140	23
189.3	Medium dense, medium grained, brown and gray SAND -FILL-	2	7	NP	12				5	12	3	238	27
189.3	Medium dense, gray SILT -FILL-	3	8	NP	12		189.3	Stiff to very stiff, gray CLAY, trace gravel	10				
189.3	Hard, gray SILTY CLAY -FILL-	4	5	665	16				11	13	3	118	21
189.3	Medium dense, brown and gray SANDY LOAM to medium SAND -FILL-	5	6	385	18				12	14	3	172	20
189.3	Very stiff, gray SILTY CLAY with root traces -FILL-	6	9	NP	16				13	15	3	238	20
189.3	Stiff to hard, brown and gray CLAY, trace gravel -FILL-	7	10	502	19				14	16	3	157	22

GENERAL NOTES

Begin Drilling: 03-13-2002 Complete Drilling: 03-13-2002
Drilling Contractor: TSC Drill Rig: CME 75
Driller: CBJ 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: 18.90 m
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG HB-22 Page 2 of 2

Wang Engineering, Inc.
1945 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
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Client: **HNTB Corporation**
Project: **IL 394 (FAP 94) IDOT D-91-012-01**
Location: **Sections 25&26, T36N, R14E, Cook Co.**

Date: NGVD
Elevation: 180.02 m
North: 545546.31 m
East: 362878.46 m
Station: 120+707.88
Offset: 2.40 RT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)
189.3	Very stiff, gray SILTY CLAY LOAM, trace gravel	17	17	5	196	20			17				
189.3	Very dense, gray gravelly SILTY LOAM	20	19	6	267	15			20	20	25	60/20	10
189.3	Boring terminated at 22.63 m	22.63							21	21	190	79/29	9

GENERAL NOTES

Begin Drilling: 03-13-2002 Complete Drilling: 03-13-2002
Drilling Contractor: TSC Drill Rig: CME 75
Driller: CBJ 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: 18.90 m
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG HB-23 Page 1 of 2

Wang Engineering, Inc.
1945 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

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

Date: NGVD
Elevation: 184.92 m
North: 546572.23 m
East: 362715.56 m
Station: 120+682.83
Offset: 2.90 LT

Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)	Profile Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	N Value (lb/ft ²)	Q _u (kPa)	Moisture Content (%)
184.9	127-mm thick, black SILTY CLAY LOAM -TOPSOIL-	1	2	407	18				8	11	3	172	23
184.9	Hard, gray and brown, mottled CLAY -FILL-	2	3	230	27				9	12	3	208	21
184.9	Very stiff to hard, brown CLAY -FILL-	3	4	365	20				10	13	3	196	20
184.9	Medium dense, gray SILT -FILL-	4	5	385	24				11	14	3	314	22
184.9	Stiff to very stiff, gray CLAY, trace gravel -FILL-	5	6	NP	18				12	15	4	267	15
184.9	Very stiff, gray SILTY CLAY -FILL-	6	7	204	20				13	16	3	157	22
184.9	Very dense, gray SILTY LOAM -FILL-	7	8	165	21				14	17	3	157	22
184.9	Very dense, gray SILTY LOAM -FILL-	8	9	172	20				15	18	3	157	22
184.9	Very dense, gray SILTY LOAM -FILL-	9	10	204	21				16	19	3	157	22

GENERAL NOTES

Begin Drilling: 02-27-2002 Complete Drilling: 02-27-2002
Drilling Contractor: Windy City Drilling Drill Rig: CME 45
Driller: G&E Logger: K. Jacob Checked by: E. Datz
Drilling Method: 3.25-inch ID HSA; Boring grouted after completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: 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.

Notes:
1. For Page 2 of 2 of Boring Log HB-23, see Sheet No. 86 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-22 AND HB-23

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