STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	*	COOK	870	470
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 28
29 SHEETS

* (0203.1 & 0312-708W) R-3 CONTRACT NO. 62108

Wang Engineering, INC
Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax 630 953-9938

BORING LOG HB-14

Page 1 of 2

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: 190.61 m
North: 545440.12 m
East: 362656.08 m
Station: 440+159.10
Offset: 6.20 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
190.4	114-mm thick ASPHALTIC CONCRETE over 214-mm thick CONCRETE					
189.9	--PAVEMENT--					
189.5	Medium dense, gray CRUSHED STONE	1	1	7 9 9	335 P	13
	--BASE COURSE--					
	Very stiff, brown and gray SANDY CLAY	2	2	3 4 6	NP	10
	--FILL--					
	Medium dense to dense, brown to gray SAND	3	3	8 10 11	NP	18
	--FILL--		4	7 10 11	NP	19
			5	11 10 11	NP	14
			6	13 14 14	NP	11
			7	13 20	NP	15
184.4	Very stiff, dark gray SILTY CLAY		8	10 15 23	NP	18
	--BURIED TOPSOIL--		9	6 5 6	335 P	23
183.6	Very stiff, brown and gray CLAY	7	10	4 4 5	236 B	22
180.8	Stiff to very stiff, gray CLAY	10	11	3 3 3	336 B	23
			12	3 3 6	275 S	20
			13	4 5 6	196 B	18
			14	4 5 6	165 B	20
			15	3 4 5	157 B	19
			16	4 4 4	165 B	21

GENERAL NOTES

Begin Drilling: 03-21-2001 Complete Drilling: 03-21-2002
Drilling Contractor: TSC Drill Rig: CME 75
Driller: J&C Logger: H. Suhail Checked by: B. Fugiel
Drilling Method: Mud rotary, Backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 2.59 m
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.

BORING LOG HB-14

Page 2 of 2

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: 190.61 m
North: 545440.12 m
East: 362656.08 m
Station: 440+159.10
Offset: 6.20 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
174.8	Very stiff to hard, gray SILTY CLAY	16	17	7 11 10	299 S	13
		18	18	7 7 4	479 B	14
		19	19	7 7 9	503 B	14
		21	20	35 50/4"	668 S	9
168.5	Very dense, gray SILT to SILTY LOAM	22	21	100/0		
167.9	Boring terminated at 22.71 m	23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				

GENERAL NOTES

Begin Drilling: 03-21-2001 Complete Drilling: 03-21-2002
Drilling Contractor: TSC Drill Rig: CME 75
Driller: J&C Logger: H. Suhail Checked by: B. Fugiel
Drilling Method: Mud rotary, Backfilled upon completion

WATER LEVEL DATA

While Drilling: ▽ 2.59 m
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.

BORING LOG HB-16

Page 1 of 2

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: 184.49 m
North: 545473.29 m
East: 362658.08 m
Station: 440+192.60
Offset: 6.64 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample No.	SPT Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
184.3	152-mm thick ASPHALTIC CONCRETE					
	--PAVEMENT--					
183.6	Dense, gray CRUSHED STONE	1	1	10 12 18	NP	11
	--BASE COURSE--					
	Very stiff, dark gray CLAY	2	2	4 4 5	299 B	26
	--FILL--					
180.7	Very stiff, brown and gray CLAY	3	3	5 6 6	290 B	27
			4	2 3 4	260 B	28
			5	4 5 6	330 B	20
			6	5 5 5	196 B	20
179.8	Stiff to very stiff, gray CLAY		7	4 5 5	228 B	20
			8	4 5 5	157 B	19
			9	3 4 7	181 B	20
			10	3 4 4	118 B	20
171.7	Very stiff to hard, gray SILTY CLAY	12	11	4 5 5	142 B	18
			12	3 4 4	133 B	20
			13	4 5 5	236 B	21
			14	4 6 7	228 B	21
			15	6 8 10	314 B	15
			16	48 50/4"	798 N/G	10

GENERAL NOTES

Begin Drilling: 03-12-2002 Complete Drilling: 03-12-2002
Drilling Contractor: TSC Drill Rig: CME 75
Driller: C&J Logger: H. Suhail Checked by: B. Fugiel
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-16, see Sheet No. 29 of 29 sheets.*

DESIGNED	---
CHECKED	---
DRAWN	LK
CHECKED	MEA

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-94 EAST BOUND / IL 394 SOUTH BOUND

BORING LOGS HB-14 & HB-16

SB ILLINOIS ROUTE 394 OVER INTERSTATE 80
F.A.P. 332 SECTION (0203.1 & 0312-708W) R-3
COOK COUNTY
STA. 440+193.335 STRUCTURE NO. 016-2796

DATE 07/18/05
SCALE ---

HNTB

JBeauchamp
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