

BORING NO. AB-20 (2 OF 3)

BORING NO. AB-20 (3 OF 3)

BORING NO. AB-21 (1 OF 2)

BORING LOG AB-20 Page 2 of 3

Wang Engineering, INC.
 wangeng3@wangeng.com
 100 Fairbank Street
 Addison, IL 60101
 Telephone: 630 458-0700
 Fax: 630 458-0900

WEI Job No.: 255-08-01
 Client: American Consulting Engineers
 Project: FAI 80/94, I-294 to US 41
 Location: s13 T36N R10W & s29 R15E T36N

Datum: NGVD
 Elevation: 190.76 m
 North: 545251.92 m
 East: 367988.88 m
 Station: 84589.07
 Offset: 20.16 LT

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 Telephone: 630 458-0700
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WEI Job No.: 255-08-01
 Client: American Consulting Engineers
 Project: FAI 80/94, I-294 to US 41
 Location: s13 T36N R10W & s29 R15E T36N

Datum: NGVD
 Elevation: 180.61 m
 North: 545246.24 m
 East: 367934.56 m
 Station: 84539.78
 Offset: 3.36 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)
174.9	Stiff to very stiff, gray CLAY	18	18	3 5 6	189 B	21	Hard, gray SILTY CLAY	23	23	10 14 26		NR
17		19	19	4 6 7	157 B	17		24	24	10 13 23		956 B
		20	20	4 6 9	228 B	22		25	25	11 15 20		604 B
170.3	Medium dense, gray, coarse SAND	21	21	6 7 8	NP	17		26	26	9 14 18		417 B
		22	22	6 6 6	NP	23		27	27	10 14 18		471 B

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)
	Boring terminated at 30.48 m											

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blow/150 mm)	DL (lb/sq)	Moisture Content (%)
	Very stiff, brown SANDY CLAY LOAM, trace gravel	1	1	6 7 5	359 P	15		11	11	5 6 7		220 B
173.7	Very stiff, brown to gray SILTY CLAY	2	2	4 6 8	299 S	20		12	12	3 5 8		236 B
173.9	Very stiff to hard, brown CLAY	3	3	4 5 10	565 B	17	170.9	10	10			NP
		4	4	5 10 11	888 B	17	Medium dense, gray SILT	13	13	5 5 6		NP
		5	5	8 10 13	613 B	18		14	14	4 7 9		220 B
		6	6	3 4 7	369 B	20		15	15	4 5 8		236 B
		7	7	4 8 6	157 B	23	169.3	13	13			236 B
175.4	Stiff to very stiff, gray SILTY CLAY to SILTY CLAY LOAM	8	8	4 4 5	157 S	13	Very stiff, gray SILTY CLAY	14	14			
		9	9	4 7 10	236 B	19		15	15	7 10 15		628 B
172.6	Very stiff, gray CLAY	10	10	3 3 9	220 B	18	166.3	18	18			

GENERAL NOTES

Begin Drilling 01-17-2002 Complete Drilling 01-18-2002

Drilling Contractor TSC Drill Rig CME 75

Driller C&J Logger B. Fugiel Checked by E. Datz

Drilling Method Mud Rotary; Grouted after final water reading

WATER LEVEL DATA

While Drilling At Completion of Drilling

Time After Drilling 24 hours

Depth to Water 3.05 m

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin Drilling 01-17-2002 Complete Drilling 01-18-2002

Drilling Contractor TSC Drill Rig CME 75

Driller C&J Logger B. Fugiel Checked by E. Datz

Drilling Method Mud Rotary; Grouted after final water reading

WATER LEVEL DATA

While Drilling At Completion of Drilling

Time After Drilling 24 hours

Depth to Water 3.05 m

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin Drilling 01-09-2002 Complete Drilling 01-09-2002

Drilling Contractor TSC Drill Rig B-61

Driller G&D Logger B. Fugiel Checked by N. Davis

Drilling Method Mud Rotary; Grouted after final water reading

WATER LEVEL DATA

While Drilling At Completion of Drilling

Time After Drilling 24 hours

Depth to Water 3.05 m

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED	BHS
CHECKED	KFA
DRAWN	CAK MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

BORING LOGS (7 OF 10)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/04 (016-1003 & 016-1004)

AMERICAN
CONSULTING ENGINEERS