ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-2	LAKE COUNTY, INDIANA	452	300
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-68
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AB-19 (1 OF 2)

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

BORING LOG AB-19

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

Page 1 of 2

Datum: NGVD
Elevation: 181.20 m
North: 545276.68 m
East: 367932.99 m
Station: 8+528.11
Offset: 24.8 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
181.1	Brown LOAM --TOPSOIL--					
	Loose, brown SANDY LOAM, trace crushed asphalt --FILL--		1	4 4 5	NP	13
180.3	Very stiff to hard, brown and gray SILTY CLAY --FILL--		2	4 7 9	675 S	17
			3	4 7 10	722 S	18
			4	5 11 13	369 S	18
178.0	Hard, brown CLAY		5	5 7 9	582 B	18
177.2	Very stiff, gray SILTY CLAY		6	7 8 11	338 B	18
			7	9 11 12	346 B	20
175.7	Medium dense, gray SILT		8	3 6 8	NP	17
174.5	Medium stiff to stiff, gray SILTY CLAY LOAM		9	4 4 4	103 B	29
	A-4 (4) LL=25% PL=17% GRAVEL=1.1% SAND=20.5%		10	2 2 3	94 B	33

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
173.4	SILT=42.1% CLAY=36.3% Stiff, gray CLAY		11	3 4 5	165 B	26
			12	3 4 4	189 B	28
			13	3 4 4	165 B	24
			14	3 4 6	133 B	22
168.5	Very stiff to hard, gray SILTY CLAY		15	4 6 9	267 B	12
			16	7 10 12	354 S	12

GENERAL NOTES

Begin Drilling 01-10-2002 Complete Drilling 01-10-2002
Drilling Contractor TSC Drill Rig B-61
Driller G&D Logger D. Peterson Checked by B. Fugiel
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 ▽ 2.90 m

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

BORING NO. AB-19 (2 OF 2)

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BORING LOG AB-19

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

Page 2 of 2

Datum: NGVD
Elevation: 181.20 m
North: 545276.68 m
East: 367932.99 m
Station: 8+528.11
Offset: 24.8 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			17	6 7 9	346 B	14
			18	8 9 15	377 S	12
			19	8 9 17	479 B	14
159.9	Boring terminated at 21.34 m		20	10 16 15	503 B	10

GENERAL NOTES

Begin Drilling 01-10-2002 Complete Drilling 01-10-2002
Drilling Contractor TSC Drill Rig B-61
Driller G&D Logger D. Peterson Checked by B. Fugiel
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 ▽ 2.90 m

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

BORING NO. AB-20 (1 OF 3)

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BORING LOG AB-20

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

Page 1 of 3

Datum: NGVD
Elevation: 190.76 m
North: 545251.92 m
East: 367980.88 m
Station: 8+589.07
Offset: 20.16 LT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
190.5	305-mm thick CONCRETE --PAVEMENT--					
	Medium dense, brown SANDY LOAM --FILL--		1	5 5 8		16
189.8	Stiff, brown CLAY LOAM to SANDY CLAY LOAM --FILL--		2	4 5 7	96 P	16
			3	4 5 9	144 P	16
188.0	Medium dense, brown, medium SAND --FILL--		4	3 5 8	NP	4
			5	8 9 12	NP	4
			6	4 5 6	NP	17
	A-3 (0) GRAVEL=0.0% SAND=94.2% SILT=5.6% CLAY=0.2%		7	4 5 7	NP	11
			8	6 9 12	NP	19
			9	6 11 13	NP	22
			10	6 7 10	NP	17

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			11	7 9 10	NP	18
			12	3 4 5	NP	20
181.5	Stiff, green, brown and dark gray CLAY to CLAY LOAM --BURIED TOPSOIL--		13	2 3 5	125 B	23
180.7	Very stiff to hard, brown CLAY		14	5 7 11	479 B	23
			15	5 6 8	361 B	20
177.4	Very stiff, gray CLAY		16	4 4 5	220 B	19
176.4	Dense, gray SILT		17	12 15 15	NP	19

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.

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 (6 OF 10)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
(016-I003 & 016-I004)

DATE 07/04

AMERICAN CONSULTING ENGINEERS