ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1-2	LAKE COUNTY, INDIANA	452	303
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-71
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AB-23 (1 OF 2)

Page 1 of 2

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

BORING LOG AB-23
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: 180.39 m
North: 545223.64 m
East: 367935.14 m
Station: 8+547.88
Offset: 24.47 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
180.3	Brown CLAY LOAM --TOPSOIL--						
	Stiff to hard, brown and gray CLAY --FILL--	1		1	10 9 7	431 P	16
		2		2	5 6 7	212 B	40
		3		3	4 5 5	165 B	26
178.0	Very stiff to hard, brown CLAY	4		4	4 6 8	408 B	19
		5		5	4 5 6	322 B	20
176.4	Medium stiff to very stiff, gray CLAY	6		6	3 5 5	189 B	20
		7		7	5 5 6	181 B	23
		8		8	3 3 5	125 B	25
		9		9	2 2 2	86 B	34
166.1	Hard, gray SILT CLAY	10		10	2 2 3	181 B	32

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		8		11	3 5 5	103 B	20
		9		12	4 5 6	157 B	21
		10		13	4 5 7	165 B	22
		12		14	3 5 8	196 B	22
		13		15	5 9 12	236 B	17
		15		16	9 14 15	565 S	12

GENERAL NOTES

Begin Drilling 01-10-2002 Complete Drilling 01-10-2002
Drilling Contractor TSC Drill Rig CME 75
Driller G&D Logger D. Peterson 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 ▼ 0.30 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-23 (2 OF 2)

Page 2 of 2

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BORING LOG AB-23
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: 180.39 m
North: 545223.64 m
East: 367935.14 m
Station: 8+547.88
Offset: 24.47 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		16		17	9 13 18	597 B	14
		18		18	9 18 21	431 P	16
		19		19	13 16 22	503 B	13
		21		20	9 16 24	535 S	13
159.1	Boring terminated at 21.34 m						

GENERAL NOTES

Begin Drilling 01-10-2002 Complete Drilling 01-10-2002
Drilling Contractor TSC Drill Rig CME 75
Driller G&D Logger D. Peterson 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 ▼ 0.30 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-24 (1 OF 2)

Page 1 of 2

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BORING LOG AB-24
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: 190.57 m
North: 545209.11 m
East: 367989.76 m
Station: 8+604.21
Offset: 19.89 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
190.4	152-mm thick ASPHALT --PAVEMENT--						
	Hard, gray CLAY LOAM --FILL--	1		1	4 4 4	383 P	15
189.3	Very stiff, brown SILTY CLAY --FILL--	2		2	3 3 4	216 P	20
		3		3	3 4 5	216 P	19
187.7	Medium dense, brown, medium SAND --FILL--	4		4	4 5 5	359 P	14
		5		5	7 7 8	NP	4
186.6	Very stiff, gray SILTY CLAY --FILL--	6		6	1 3 3	260 B	15
185.8	Medium dense, gray SILT --FILL--	7		7	3 7 8	NP	17
185.1	Medium dense, brown, medium SAND --FILL--	8		8	4 7 7	NP	21
		9		9	4 7 7	NP	22
		10		10	2 4 7	NP	24

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		8		11	5 10 15	NP	19
		9		12	10 12 16	NP	19
181.0	Very stiff, gray and green CLAY LOAM --BURIED TOPSOIL--	10		13	5 6 6	287 P	23
180.5	Hard, brown CLAY						
		11		14	5 7 10	518 B	19
		12		15	6 6 10	574 B	20
177.8	Very stiff, gray CLAY	13					
		14		16	3 4 5	236 B	21
175.6	Medium dense, gray SILT	15		17	6 13 11	NP	17

GENERAL NOTES

Begin Drilling 01-23-2002 Complete Drilling 01-23-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger B. Fugiel Checked by N. Davis
Drilling Method Mud Rotary; Grouted upon completion

WATER LEVEL DATA

While Drilling ▽ –
At Completion of Drilling ▼ –
Time After Drilling – hours
Depth to Water ▼ 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 (9 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