ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	214
	S.N. 016-W857	FED. AID PROJECT-		

SHEET NO. S-19
20 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-101 (1 OF 1)

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 AR-101

Page 1 of 1

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: 190.97 m
North: 545272.78 m
East: 367810.09 m
Station: 8+413.59
Offset: 19.98 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
190.8	203-mm thick ASPHALT --PAVEMENT--						
190.5	Gray CRUSHED STONE --BASE COURSE--						
	Stiff to very stiff, brown and gray SILTY CLAY to CLAY --FILL--	1		1	4 4 6	228 S	17
		2		2	4 5 6	275 B	18
		3		3	6 8 8	283 B	16
		4		4	4 5 6	118 S	18
187.8	Medium dense, brown SAND --FILL--			5	7 7 8	NP	19
187.0	Very stiff, brown SILTY CLAY --FILL--	4		6	6 7 8	287 P	12
		5		7	4 5 7	236 S	18
185.1	Medium dense, brown SAND --FILL--	6		8	9 10 13	NP	17
184.7	Stiff to very stiff, brown and gray SILTY CLAY --FILL--			9	5 7 9	267 S	15
		7		10	6 9 10	157 S	18

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
182.4	Hard, brown and gray CLAY	8		11	7 8 10	314 S	19
		9		12	4 5 6	408 B	19
181.5	--OBSTRUCTION--			13	10 28	400 B	17
	Boring terminated at 9.45 m	10					
		11					
		12					
		13					
		14					
		15					

GENERAL NOTES
Begin Drilling 05-16-2002 Complete Drilling 05-16-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&A Logger H. Suhail Checked by B. Fugiel
Drilling Method Mud Rotary; Grouted upon completion

WATER LEVEL DATA
While Drilling ▽ –
At Completion of Drilling ▼ –
Time After Drilling – hours
Depth to Water ▽ m ▼ m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-017 (1 OF 3)

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BORING LOG AB-17

Page 1 of 3

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: 191.12 m
North: 545266.08 m
East: 367829.44 m
Station: 8+434.07
Offset: 19.82 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
190.8	279-mm thick CONCRETE --PAVEMENT--						
190.5	Loose, brown, medium SAND --FILL--			1	3 4 4	144 P	15
	Stiff, gray SILTY CLAY --FILL--	1					
189.9	Loose, brown SANDY LOAM --FILL--			2	3 4 4	NP	16
189.4	Very stiff, brown to gray CLAY LOAM --FILL--	2		3	3 5 5	287 P	20
188.4	Very loose to medium dense, brown, medium SAND --FILL--	3		4	3 3 4	NP	3
		4		5	3 3 3	NP	4
		5		6	1 2 2	NP	25
		6		7	1 1 1	NP	27
		7		8	3 4 5	NP	21
		8		9	2 3 4	NP	24
		9		10	4 6 8	NP	22

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
181.1	Very stiff, dark gray CLAY LOAM --BURIED TOPSOIL--			11	5 6 7	NP	24
		9		12	2 1 2	NP	25
		10		13	1 2 2	NP	26
180.3	Hard, brown CLAY			14	6 8 8	287 P	29
		11		15	3 5 6	393 B	20
		12		16	5 7 7	408 B	20
178.3	Stiff to very stiff, gray CLAY	13		17	3 4 6	157 B	21
		14					
		15		18	3 4 8	212 B	20

GENERAL NOTES
Begin Drilling 01-24-2002 Complete Drilling 01-25-2002
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 ▼ m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-017 (2 OF 3)

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BORING LOG AB-17

Page 2 of 3

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: 191.12 m
North: 545266.08 m
East: 367829.44 m
Station: 8+434.07
Offset: 19.82 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		16					
		17		19	3 3 3	196 B	22
		18		20	3 3 4	243 B	22
		19		21	3 4 6	220 B	20
		20					
		21		22	5 6 7	236 B	22
		22					
		23		23	4 4 6	236 B	21

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		23					
		24		24	4 6 8	157 B	18
166.1	Very stiff to hard, gray SILTY CLAY	25					
		25		25	6 8 12	487 B	13
		26					
		27		26	12 13 16	314 S	14
		28					
		29		27	10 14 11	260 B	14
		30		28	6 9 14	432 B	14

GENERAL NOTES
Begin Drilling 01-24-2002 Complete Drilling 01-25-2002
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 ▼ m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

BORING LOGS (5 OF 6)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+268.572 TO STATION 8+445.954
STRUCTURE NO. 016-W857

DATE 07/04

AMERICAN CONSULTING ENGINEERS