ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	195
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-19
19 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-087 (2 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 AR-087

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: 185.53 m
North: 545362.60 m
East: 367570.38 m
Station: 8+157.65
Offset: 15.48 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			16					
			17	X	17	5 7 9	456 B	16
	168.2	Hard, gray SILTY CLAY						
			18	○	18	9 11 13		
			19	○	19	10 12 14		
			20	X	20	9 12 15	879 B	13
	165.7	Boring terminated at 19.81 m						
			21					
			22					

GENERAL NOTES
Begin Drilling 05-15-2002 Complete Drilling 05-15-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&A Logger H. Suhail 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 48 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-011 (1 OF 2)

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BORING LOG AB-11

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: 186.78 m
North: 545348.04 m
East: 367610.15 m
Station: 8+200.00
Offset: 15.9 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	186.5	305-mm thick CONCRETE --PAVEMENT--						
	186.1	Gray CRUSHED STONE --BASE COURSE--						
		Loose to medium dense, brown, medium SAND --FILL--	1	X	1	3 4 6	383 P	11
			2	X	2	5 6 6	NP	5
	184.8	Stiff, brown SILTY CLAY LOAM --FILL--	2	X	3	2 2 3	168 P	20
	184.3	Loose to medium dense, brown, medium SAND --FILL--	3	X	4	3 3 4	NP	15
			4	X	5	4 5 8	NP	8
			5	X	6	5 6 7	NP	23
	181.8	Stiff to hard, brown and gray SILTY CLAY --FILL--	3	X	7	4 3 7	168 P	24
			6	X	8	5 4 6	335 P	34
			7	X	9	6 6 12	471 B	20
	179.8	Very stiff, brown CLAY	7	X	10	4 6 10	307 B	22

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			8	X	11	3 4 5	299 B	24
	178.2	Stiff, gray CLAY	9	X	12	3 3 4	157 B	21
			10	X	13	3 5 10	157 S	18
			11	X	14	3 5 9	181 B	18
			13	X	15	2 2 2	149 B	35
	172.5	Loose, gray SILT	14	X	16	2 3 3	NP	21

GENERAL NOTES
Begin Drilling 02-04-2002 Complete Drilling 02-05-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&D Logger H. Suhail 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 ▽ 3.81 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-011 (2 OF 2)

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BORING LOG AB-11

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: 186.78 m
North: 545348.04 m
East: 367610.15 m
Station: 8+200.00
Offset: 15.9 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	170.9	Very stiff, gray CLAY	16					
			17	X	17	3 5 6	228 B	22
			18	X	18	4 6 6	236 B	23
	167.9	Very stiff to hard, gray SILTY CLAY						
			19	X	19	6 8 12	447 B	15
			20	X	20	21 19 24	236 S	15
	157.8	Boring terminated at 28.96 m						
			21	X	21	6 9 14	479 B	16

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			23					
			24	X	22	6 10 16	346 B	14
			25					
			26	X	23	11 13 17	464 B	15
			27	X	24	10 16 19	494 B	14
			28					
			29	X	25	18 25 31	>431 P	12
			30					

GENERAL NOTES
Begin Drilling 02-04-2002 Complete Drilling 02-05-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&D Logger H. Suhail 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 ▽ 3.81 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 (3 OF 3)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 7+960.424 TO STATION 8+199.354
STRUCTURE NO. 016-W922

DATE 07/04

AMERICAN CONSULTING ENGINEERS