ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	194
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-18
19 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-086 (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 AR-086

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: 184.17 m
North: 545379.73 m
East: 367520.86 m
Station: 8+105.26
Offset: 15.90 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		457-mm thick ASPHALT --PAVEMENT--						
	183.7	Gray CRUSHED STONE --BASE COURSE--						
	183.4	Very stiff, brown and gray SILTY CLAY --FILL--			1	9 8 9	287 P	13
					2	7 10 10	240 P	15
			2		3	7 8 10	189 S	20
					4	4 8 8	471 B	32
	181.0	Hard, brown CLAY	3					
					5	4 6 8	692 B	19
			4		6	3 5 8	574 B	19
	179.4	medium stiff to hard, gray CLAY	5					
					7	4 5 7	400 B	20
			6		8	4 5 6	181 B	19
					9	3 4 5	236 B	19
			7		10	4 5 6	220 B	19

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			8		11	2 3 4	86 B	23
			9		12	2 3 4	142 B	24
			10		13	2 3 4	142 B	22
			11		14	3 4 5	243 B	21
			12					
			13		15	4 6 8	299 B	21
			14					
			15		16	5 7 7	314 B	21

GENERAL NOTES

Begin Drilling 05-14-2002 Complete Drilling 05-14-2002
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. AR-086 (2 OF 2)

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Fax: 630 458-0900

BORING LOG AR-086

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: 184.17 m
North: 545379.73 m
East: 367520.86 m
Station: 8+105.26
Offset: 15.90 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			16					
					17	7 9 15	456 B	21
			17					
	166.9	Hard, gray SILTY CLAY						
			18		18	10 14 20	790 B	13
	165.3	Boring terminated at 18.29 m						
			19					
			20					
			21					
			22					

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)

GENERAL NOTES

Begin Drilling 05-14-2002 Complete Drilling 05-14-2002
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. AR-087 (1 OF 2)

Wang Engineering, INC.
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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 1 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	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		356-mm thick ASPHALT --PAVEMENT--						
	185.2	Gray CRUSHED STONE --BASE COURSE--						
	184.9	Very stiff to hard, brown and gray SILTY CLAY --FILL--			1	9 9 5	393 S	13
					2	6 8 9	287 P	17
			2		3	9 10 13	287 P	15
					4	7 9 11	299 S	20
			3		5	6 8 8	267 S	13
			4		6	4 5 6	192 P	25
	180.8	Hard, brown and gray CLAY	5					
					7	5 7 8	675 B	19
			6		8	9 9 9	542 B	20
	179.3	Stiff to hard, gray CLAY						
			7		9	5 5 5	228 B	19
					10	3 4 4	172 B	20

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			8		11	3 4 6	220 B	19
			9		12	4 4 4	212 B	20
			10					
			11		13	5 5 6	238 B	18
			12		14	5 5 6	189 B	23
			13					
			14		15	4 5 7	290 B	22
			15		16	4 5 6	267 B	20

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.

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 (2 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