ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	229
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-14
17 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-110 (1 OF 2)

Page 1 of 2

Wang Engineering, INC.
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100 Fairbank Street
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Telephone: 630 458-0700
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BORING LOG AR-110

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: 189.51 m
North: 545190.55 m
East: 368045.26 m
Station: 8+662.12
Offset: 19.75 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	189.3	178-mm thick ASPHALT --PAVEMENT--							
	189.1	Gray CRUSHED STONE --BASE COURSE--							
		Stiff to very stiff, brown and gray SILTY CLAY --FILL--	1		1	4 6 8	240 P		11
			2		2	4 5 6	165 B		20
			3		3	4 7 7	299 B		19
			4		4	8 11 12	172 S		16
			5		5	4 5 4	287 P		18
			6		6	5 6 7	228 S		15
			7		7	6 9 8	251 S		16
			8		8	4 5 6	189 S		19
			9		9	4 5 5	290 B		18
			10		10	4 8 10	354 S		15

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	179.8	Very stiff, brown and gray CLAY	8		11	5 6 9			
			9		12	5 7 5	275 B		21
			10		13	8 9 10	228 B		21
			11		14	4 7 6	314 B		24
	178.2	Stiff to hard, gray CLAY	12		15	4 5 4	189 B		22
			13		16	5 6 8	196 B		19
			14		17	6 9 12	471 B		16
			15						

GENERAL NOTES

Begin Drilling 05-02-2002 Complete Drilling 05-02-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&A Logger E. Datz 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. AR-110 (2 OF 2)

Page 2 of 2

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BORING LOG AR-110

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: 189.51 m
North: 545190.55 m
East: 368045.26 m
Station: 8+662.12
Offset: 19.75 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
			16		18	6 5 4	189 B		16
			17		19	4 5 7	189 B		21
			18		20	4 5 6	165 B		22
			19		21	4 7 7	243 B		22
	166.6		20		22	5 7 10	251 B		24

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		Boring terminated at 22.86 m	23						
			24						
			25						
			26						
			27						
			28						
			29						
			30						

GENERAL NOTES

Begin Drilling 05-02-2002 Complete Drilling 05-02-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&A Logger E. Datz 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. AR-111 (1 OF 2)

Page 1 of 2

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BORING LOG AR-111

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: 189.17 m
North: 545184.76 m
East: 368063.86 m
Station: 84681.39
Offset: 19.71 RT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	189.0	203-mm thick ASPHALT --PAVEMENT--							
	188.8	Gray CRUSHED STONE --BASE COURSE--							
		Stiff to hard, brown and gray SILTY CLAY --FILL--	1		1	6 7 6	383 B		12
			2		2	5 6 7	192 P		20
			3		3	7 7 8	311 P		19
			4		4	5 7 11	330 S		15
			5		5	5 6 9	275 B		18
			6		6	4 6 9	361 B		16
			7		7	6 6 7	157 S		17
			8		8	7 7 11	471 B		24
			9		9	9 7 8	228 S		18
			10		10	5 6 8	243 S		16

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	Sample recovery	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	180.6	Very stiff to hard, brown and gray CLAY	8		11	7 10 12	487 B		14
			9		12	4 8 9	393 B		23
			10		13	4 5 5	322 B		22
	177.9	Stiff to hard, gray CLAY	11		14	4 5 6	189 B		20
	175.6	Dense, gray SILT LOAM	12		15	6 7 10	471 B		21
			13		16	19 21 23	NP		19
			14						
			15						

GENERAL NOTES

Begin Drilling 05-05-2002 Complete Drilling 05-05-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&A Logger E. Datz 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 ▽ 5.64 m

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

DESIGNED	MJW
CHECKED	KFA
DRAWN	CAKMJB
CHECKED	GSP

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

BORING LOGS (3 OF 6)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+600.619 TO STATION 8+735.576
STRUCTURE NO. 016-W859

DATE 07/04

AMERICAN CONSULTING ENGINEERS