ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	231
	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S-16
17 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-113 (1 OF 2)

Wang Engineering, INC. Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
100 Fairbank Street
Addison, IL 60101
Telephone: 630 458-0700
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BORING LOG AR-113

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: 188.35 m
North: 545173.80 m
East: 368100.56 m
Station: 8+719.29
Offset: 19.75 RT

Page 1 of 2

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
188.2	178-mm thick ASPHALT —PAVEMENT—					
	Medium dense, gray CRUSHED STONE —BASE COURSE—					
187.4	Very stiff to hard, brown and gray SILTY CLAY —FILL—					
		1		7 8 5	NP	13
		2		7 6 11	314 B	15
		3		8 9 9	731 B	14
		4		3 5 6	338 B	18
		5		4 7 11	322 S	21
		6		7 10 11	212 S	17
		7		5 7 10	243 S	22
		8		6 9 11	314 S	19
181.7	Medium dense, brown and black, medium SAND —FILL—	9		6 12 20	NP	23
181.3	Very stiff, brown and gray SILTY CLAY —FILL—	10		4 6 7	376 B	26

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
180.6	Very stiff to hard, brown and gray CLAY					
		11		4 7 7	495 B	23
		12		4 5 7	338 B	23
178.6	Very stiff to hard, gray CLAY					
		13		3 4 4	236 B	21
		14		6 9 12	582 B	17
175.5	Hard, gray SILTY CLAY					
		15		7 11 12	417 S	20
174.0	Very stiff, gray CLAY					
		16		3 4 4	283 B	18

GENERAL NOTES
Begin Drilling 04-28-2002 Complete Drilling 04-28-2002
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 24 hours
Depth to Water ▽ 3.96 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AR-113 (2 OF 2)

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BORING LOG AR-113

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: 188.35 m
North: 545173.80 m
East: 368100.56 m
Station: 8+719.29
Offset: 19.75 RT

Page 2 of 2

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		17		3 4 4	290 B	21
		18		4 5 6	260 B	21
		19		5 6 6	299 B	22
		20		6 9 9	361 B	22
167.0	Boring terminated at 21.34 m					

GENERAL NOTES
Begin Drilling 04-28-2002 Complete Drilling 04-28-2002
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 24 hours
Depth to Water ▽ 3.96 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-029 (1 OF 2)

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BORING LOG AB-29

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: 187.99 m
North: 545169.29 m
East: 368115.09 m
Station: 8+734.37
Offset: 20.14 RT

Page 1 of 2

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
187.7	267-mm thick CONCRETE —PAVEMENT—					
	Soft to hard, brown to gray SILTY CLAY —FILL—					
		1		10 10 6	431 P	14
		2		2 2 1	24 P	21
		3		3 3 4	431 P	17
185.2	Loose, brown, medium SAND —FILL—	4		3 4 4	NP	10
184.5	Stiff, gray SILTY CLAY —FILL—	5		5 6 7	144 P	18
183.8	Loose to medium dense, brown, medium SAND —FILL—	6		4 4 4	NP	22
		7		3 3 4	NP	24
		8		5 7 10	NP	22
181.4	Very stiff, dark gray SILTY CLAY LOAM	9		4 5 6	287 P	26
181.0	—BURIED TOPSOIL—					
	Stiff to very stiff, brown CLAY	10		3 4 5	172 B	23

Elevation (m)	SOIL AND ROCK DESCRIPTION	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		11		5 6 8	299 B	22
		12		4 4 5	275 B	21
178.2	Stiff, gray CLAY					
		13		3 4 6	120 B	19
		14		5 7 10	212 B	17
175.9	Very stiff, gray SILTY CLAY					
175.2	Dense, gray SILT					
		15		15 18 22	NP	20
173.7	Stiff to very stiff, gray CLAY					
		16		7 7 7	267 B	20

GENERAL NOTES
Begin Drilling 02-05-2002 Complete Drilling 02-06-2002
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 ▽ 3.05 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+600.619 TO STATION 8+735.576
STRUCTURE NO. 016-W859

DATE 07/04

AMERICAN CONSULTING ENGINEERS