ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	210
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-15
20 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AB-012 (1 OF 2)

Page 1 of 2

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
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BORING LOG AB-12

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: 188.50 m
North: 545326.42 m
East: 367670.23 m
Station: 8+263.85
Offset: 16.2 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
188.7	229-mm thick ASPHALT --PAVEMENT--
	Medium dense, brown and gray, medium SAND --FILL--
186.6	Very stiff, gray SILTY CLAY LOAM --FILL--
186.1	Medium dense, brown, medium SAND --FILL--
185.3	Stiff, gray SANDY CLAY LOAM --FILL--
184.5	Medium dense, brown SAND --FILL--
181.8	Very stiff, gray CLAY LOAM
180.7	Very stiff, brown CLAY
178.7	Stiff to very stiff, gray CLAY to SILTY CLAY
	A-6 (16) LL=35%, PL=17% GRAVEL=0.8% SAND=9.7% SILT=32.6%

Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
1		1	20 9 10	NP	5
1		2	5 6 4	NP	10
2		3	1 2 3	216 P	17
3		4	4 5 7	NP	5
4		5	3 5 6	96 P	21
4		6	6 8 10	NP	22
5		7	6 9 10	NP	23
6		8	6 8 9	NP	24
7		9	8 12 10	NP	25
7		10	3 4 5	283 P	20
8		11	5 8 11	330 B	23
9		12	3 4 4	346 B	24
10		13	2 3 4	157 B	20
11		14	2 3 5	157 B	20
13		15	2 3 3	196 B	20
15		16	2 5 5	251 B	21

GENERAL NOTES

Begin Drilling 01-28-2002 Complete Drilling 01-29-2002
Drilling Contractor TSC Drill Rig CME 75
Driller J&D 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

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

BORING NO. AB-012 (2 OF 2)

Page 2 of 2

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BORING LOG AB-12

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: 188.50 m
North: 545326.42 m
East: 367670.23 m
Station: 8+263.85
Offset: 16.2 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
	CLAY=56.9%
166.6	Dense, gray SILTY LOAM
165.3	Hard, gray SILTY CLAY
162.0	Medium dense, gray SILT
161.1	Boring terminated at 27.43 m

Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
16		17	2 4 5	236 B	22
18		18	2 4 4	243 B	21
19		19	3 5 8	299 B	20
21		20	4 6 8	346 B	20
22		21	12 20 26	NP	18
23		22	10 14 18	644 B	13
25		23	7 12 23	535 B	15
27		24	10 13 16	NP	21
28		25	4 5 5	251 B	21
29		26	2 3 4	157 B	20
30		27	2 3 5	157 B	20
30		28	2 3 3	196 B	20
30		29	2 5 5	251 B	21

GENERAL NOTES

Begin Drilling 01-28-2002 Complete Drilling 01-29-2002
Drilling Contractor TSC Drill Rig CME 75
Driller J&D 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

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

BORING NO. AR-095 (1 OF 1)

Page 1 of 1

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BORING LOG AR-095

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: 188.91 m
North: 545317.46 m
East: 367690.77 m
Station: 8+286.21
Offset: 17.77 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
	508-mm thick ASPHALT --PAVEMENT--
185.4	Medium dense, gray CRUSHED STONE --BASE COURSE--
185.0	Very stiff to hard, brown and gray SILTY CLAY to CLAY --FILL--
179.0	--AUGER REFUSAL--
	Boring terminated at 9.91 m

Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
1		1	7 9 7	NP	8
1		2	9 9 10	287 P	18
2		3	12 11 11	361 B	14
3		4	4 6 1	243 S	13
4		5	5 6 7	346 B	19
4		6	4 8 7	400 B	18
5		7	7 7 11	203 S	20
6		8	5 7 8	236 S	17
7		9	5 7 8	369 B	19
7		10	4 5 6	243 B	21
8		11	6 7 7	346 B	22
9		12	3 4 5	299 B	23

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 24 hours
Depth to Water ▽ 2.13 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 (1 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