ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	213
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-18
20 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-099 (1 OF 1)

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-099

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 1

Datum: NGVD
Elevation: 190.37 m
North: 545286.95 m
East: 367769.80 m
Station: 8+370.89
Offset: 20.09 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
190.3	114-mm thick ASPHALT --PAVEMENT--
189.4	Gray CRUSHED STONE --BASE COURSE--
	Medium dense, black SANDY LOAM --FILL--
	Stiff to hard, SILTY CLAY --FILL--
185.3	Medium dense, gray SILT --FILL--
184.9	Very stiff, gray SILTY CLAY --FILL--
184.1	Medium dense, gray SILT to SILTY LOAM --FILL--
183.4	Very stiff, gray SILTY CLAY --FILL--
182.1	--OBSTRUCTION--
	Boring terminated at 8.25 m

Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
1	9 7 6	>431 P	11
2	5 6 11	>431 P	17
3	13 8 7	>431 P	17
4	6 9 11	263 P	19
5	5 8 13	354 B	21
6	6 11 14	275 S	14
7	3 7 11	149 B	17
8	5 9 13	260 B	20
9	10 15 19	NP	17
10	6 9 14	369 S	18
11	9 7	407 P	18

GENERAL NOTES

Begin Drilling 05-07-2002 Complete Drilling 05-07-2002
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 ▽ 0.46 m

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

BORING NO. AR-100 (1 OF 2)

Wang Engineering, INC.
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BORING LOG AR-100

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: 190.64 m
North: 545280.05 m
East: 367789.74 m
Station: 8+391.99
Offset: 19.93 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
190.5	114-mm thick ASPHALT --PAVEMENT--
189.6	Gray CRUSHED STONE --BASE COURSE--
	Medium dense, black SANDY LOAM --FILL--
	Stiff to very stiff, brown and gray SILTY CLAY to CLAY --FILL--
185.9	Medium dense, brown and gray SILT --FILL--
184.8	Stiff to very stiff, brown and gray SILTY CLAY --FILL--
181.7	Very stiff, black CLAY LOAM --BURIED TOPSOIL--
181.3	Stiff to very stiff, brown and gray CLAY
177.8	Stiff to very stiff, gray CLAY

Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
1	9 8 10	>431	14
2	5 7 9	225 S	17
3	7 8 8	240 P	19
4	5 6 9	157 S	25
5	5 8 9	314 S	17
6	5 8 9	311 B	19
7	4 12 10	NP	17
8	5 12 13	340 B	15
9	8 7 11	330 B	18
10	8 10 12	314 S	17
11	4 4 10	189 S	20
12	5 7 9	354 S	33
13	4 5 7	354 B	23
14	4 4 5	189 B	26
15	6 7 9	361 B	21
16	4 6 8	220 B	18
17	4 6 7	267 B	18

GENERAL NOTES

Begin Drilling 05-08-2002 Complete Drilling 05-08-2002
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 ▽ 0.76 m

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

BORING NO. AR-100 (2 OF 2)

Wang Engineering, INC.
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Addison, IL 60101
Telephone: 630 458-0700
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BORING LOG AR-100

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: 190.64 m
North: 545280.05 m
East: 367789.74 m
Station: 8+391.99
Offset: 19.93 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION
174.1	Medium dense, gray SILT
173.3	Stiff to very stiff, gray CLAY
167.8	Boring terminated at 22.86 m

Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
18	4 8 7	118 B	18
19	3 4 5	142 B	22
20	4 5 6	168 P	22
21	4 5 5	196 B	21
22	5 8 10	314 B	21

GENERAL NOTES

Begin Drilling 05-08-2002 Complete Drilling 05-08-2002
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 ▽ 0.76 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 (4 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