ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	193
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-17
19 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-083 (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-083

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: 182.51 m
North: 545422.85 m
East: 367392.43 m
Station: 7+969.02
Offset: 16.16 RT

Page 1 of 1

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		381-mm thick ASPHALT --PAVEMENT--							
	182.1	Gray CRUSHED STONE --BASE COURSE--							
	181.5	Hard brown and gray SILTY CLAY	1			1	12 8 8	NP	13
			2			2	7 7 8	432 B	20
	180.8	Hard, brown CLAY	2			3	8 9 9	511 B	20
			3			4	6 8 9	542 B	19
	179.3	Stiff to very stiff, gray CLAY	4			5	3 5 7	251 B	19
			4			6	3 6 6	220 B	19
			5			7	3 5 5	189 B	20
			6			8	4 5 6	204 B	20
			7			9	4 6 8	236 B	20
			7			10	3 4 5	251 B	26

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
	174.7	Very stiff, gray SANDY CLAY	8			11	4 6 6	330 B	16
	174.0	Very stiff, gray CLAY	9			12	5 5 6	290 B	20
	171.8	Boring terminated at 10.67 m	10			13	4 6 11	283 B	22
			11						
			12						
			13						
			14						
			15						

GENERAL NOTES

Begin Drilling 05-13-2002 Complete Drilling 05-13-2002
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.

WANGENG INC 255B01.GPJ WANGENG.GDT 6/13/03

BORING NO. AR-084 (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-084

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: 182.77 m
North: 545409.24 m
East: 367435.92 m
Station: 8+014.98
Offset: 16.02 RT

Page 1 of 1

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		355-mm thick ASPHALT --PAVEMENT--							
	182.4	Gray CRUSHED STONE --BASE COURSE--							
	182.2	Very stiff to hard, brown and gray SILTY CLAY --FILL--	1			1	8 9 8	383 P	15
			2			2	5 5 6	228 S	28
			3			3	7 8 10	275 B	23
	180.3	Very stiff to hard, brown CLAY	4			4	6 8 8	447 B	20
			4			5	7 7 7	464 B	20
	178.8	Very stiff to hard, gray CLAY	5			6	3 5 7	228 B	19
			5			7	3 5 5	267 B	18
			6			8	4 6 6	251 B	21
			7			9	3 4 5	299 B	18
			7			10	4 4 5		

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
	170.6	Boring terminated at 12.19 m	8			11	4 5 7	417 B	18
			9			12	5 5 8	369 B	21
			10			13	4 5 7	307 B	20
			11			14	3 6 8	354 B	21
			12						
			13						
			14						
			15						

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.

WANGENG INC 255B01.GPJ WANGENG.GDT 6/13/03

BORING NO. AR-085 (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-085

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: 183.31 m
North: 545394.77 m
East: 367478.25 m
Station: 8+060.07
Offset: 15.98 RT

Page 1 of 1

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		381-mm thick ASPHALT --PAVEMENT--							
	182.9	Gray CRUSHED STONE --BASE COURSE--							
	182.1	Very stiff, brown and gray SILTY CLAY	1			1	9 10 9	240 P	16
			2			2	7 8 10	307 B	21
			3			3	7 8 9	212 B	22
	180.9	Hard, brown CLAY	4			4	5 6 8	613 B	20
			4			5	5 6 7	558 B	20
	179.3	Very stiff, gray CLAY	5			6	3 4 5	283 B	19
			5			7	3 4 6	220 B	18
			6			8	3 5 6	228 B	21
	177.1	Medium dense, gray SILT							
	176.8	Very stiff, gray SILTY CLAY	7			9	10 6 7	251 B	20
	176.3	Medium dense, gray SILT							
	175.9	Very stiff, gray CLAY	7			10	10 9 8	204 B	21

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Recovery	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
	171.1	Boring terminated at 12.19 m	8			11	5 5 6	228 B	27
			9			12	3 5 5	260 B	19
			10			13	4 6 7	290 B	20
			11			14	4 5 6	283 B	21
			12						
			13						
			14						
			15						

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.

WANGENG INC 255B01.GPJ WANGENG.GDT 6/13/03

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 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