ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-1	LAKE COUNTY, INDIANA	452	211
		T.L.PROJ.	FED. AID PROJECT-	

SHEET NO. S-16
20 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AR-096 (1 OF 2)

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-096

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: 189.32 m
North: 545310.62 m
East: 367709.93 m
Station: 8+306.55
Offset: 17.81 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
189.5	381-mm thick ASPHALT --PAVEMENT--						
188.7	Gray CRUSHED STONE --BASE COURSE--						
188.4	Hard, black CLAY LOAM --FILL--						
	Hard, brown and gray SILTY CLAY --FILL--	1		1	19 16 13	ϕ431 P	10
		2		2	4 11 13	407 P	16
		3		3	9 10 12	ϕ431 P	12
186.5	Medium dense, gray SILT --FILL--	4		4	3 7 6	96 P	20
186.1	Very stiff to hard, gray SILTY CLAY --FILL--	5		5	4 5 7	432 B	17
		6		6	4 8 10	487 B	17
184.3	Medium dense, gray SILT to SILTY LOAM --FILL--	7		7	4 6 12	196 S	13
183.6	Very stiff to hard, brown and gray SILTY CLAY --FILL--	8		8	6 10 13	ϕ431 P	19
		9		9	6 13 15	398 B	17
		10		10	6 10 18	275 S	17
180.9	Very stiff, brown and gray CLAY	8		11	5 6 10	260 S	13
		9		12	5 8 11	354 S	13
179.0	Medium stiff to very stiff, gray CLAY	10		13	4 5 6	196 B	22
		11		14	4 6 7	204 B	15
		12		15	3 5 8	236 B	13
		13		16	5 5 6	260 B	21

GENERAL NOTES
Begin Drilling 05-06-2002 Complete Drilling 05-06-2002
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 ▼ 2.13 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AR-096 (2 OF 2)

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BORING LOG AR-096

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: 189.32 m
North: 545310.62 m
East: 367709.93 m
Station: 8+306.55
Offset: 17.81 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
		17		17	3 5 5	71 B	23
		18		18	3 5 7	181 B	21
		19		19	5 6 7	220 B	22
		20		20	7 10 13	322 B	17
167.4	Hard, gray SILTY CLAY	22					
166.5		21		21	12 16 16	574 B	14

Boring terminated at 22.86 m

GENERAL NOTES
Begin Drilling 05-06-2002 Complete Drilling 05-06-2002
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 ▼ 2.13 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AR-097 (1 OF 2)

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BORING LOG AR-097

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: 189.75 m
North: 545302.39 m
East: 367730.65 m
Station: 8+328.83
Offset: 18.63 RT

Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type	Sample No.	N Values (b/w/150 mm)	Qu (kPa)	Moisture Content (%)
189.4	406-mm thick ASPHALT --PAVEMENT--						
189.1	Gray CRUSHED STONE --BASE COURSE--						
	Stiff to hard, brown and gray SILTY CLAY to CLAY --FILL--	1		1	13 8 7	431 P	17
		2		2	7 6 8	431 P	19
		3		3	8 13 11	287 P	18
		4		4	4 6 7	307 B	22
		5		5	5 6 8	275 S	19
		6		6	4 7 8	296 B	16
		7		7	8 8 10	196 S	19
		8		8	8 8 10	260 B	17
		9		9	5 10 13	157 S	18
		10		10	5 9 11	299 S	17
180.5	Very stiff, brown and gray CLAY to SILTY CLAY	8		11	8 10 11	479 B	29
		9		12	8 10 10	393 B	22
		10		13	7 8 10	299 S	23
		11		14	5 6 7	354 B	21
178.5	Stiff to very stiff, gray CLAY	12		15	3 4 5	142 B	21
		13		16	4 5 6	204 B	17
		14		17	2 3 4	133 B	26
		15					

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 ▼ 0.30 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 (2 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