ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 80/94	2626.2-R-2	LAKE COUNTY, INDIANA	1207	1041
		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S-24
25 SHEETS

CONTRACT NO. 62114 INDOT DES. NO. 0100987

BORING NO. AR-319 (1 OF 1)

Page 1 of 1

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Consulting Geotechnical and Environmental Engineers
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BORING LOG AR-319

WEI Job No.: 255-08-08

Client: American Consulting Engineers
Project: FAI 80/94, I-294 to US 41
Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
Elevations: 182.03 m
North: 545163.91 m
East: 368420.13 m
Station: 94036.23
Offset: 32.34 LT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	SPT Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
	182.0	305-mm thick CONCRETE --PAVEMENT--						
	181.7							
	181.5	CRUSHED STONE AGGREGATE --BASE COURSE--						
		Medium dense to dense, brown, medium SAND --FILL--	1		1	8 9 11	NP	7
			2		2	8 22 8	NP	22
	180.4	Very stiff to hard, brown CLAY	3		3	3 4 7	275 B	22
			4		4	4 6 7	424 B	21
	178.8	Stiff to very stiff, gray CLAY	5		5	3 6 7	165 B	20
			6		6	3 5 8	204 B	19
			7		7	3 6 7	157 B	19
			8		8	5 8 9	251 B	19
	175.8	Medium dense, gray SILT	9		9	8 12 9	142 B	17
	175.3	Stiff, gray SILTY CLAY						
	175.0	Very stiff, gray CLAY	10		10	3 5 6	212 B	21

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
			8		11	4 4 7	212 B	18
			9		12	6 6 6	243 B	21
			10		13	4 5 6	196 B	21
			11		14	5 5 7	236 B	22
			12		15	4 7 9	228 B	22
	168.3	Boring terminated at 13.72 m	13					
			14					
			15					

GENERAL NOTES

Begin Drilling: 07-15-2003 Complete Drilling: 07-16-2003
Drilling Contractor: TSC Drill Rig: CME 75
Driller: C&A Logger: J. Kasnick Checked by: B. Fuglei
Drilling Method: 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling: ▽ 1.32 m
At Completion of Drilling: ▼ 1.37 m
Time After Drilling: 24 hours
Depth to Water: ▼ 1.45 m

The stratification lines represent the approximate boundary between soil types, the actual transition may be graded.

BORING NO. AR-320 (1 OF 1)

Page 1 of 1

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BORING LOG AR-320

WEI Job No.: 255-08-08

Client: American Consulting Engineers
Project: FAI 80/94, I-294 to US 41
Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
Elevations: 182.01 m
North: 545163.08 m
East: 368442.96 m
Station: 94059.43
Offset: 33.85 LT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	SPT Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
	182.0	330-mm thick CONCRETE --PAVEMENT--						
	181.7							
	181.5	CRUSHED STONE AGGREGATE --BASE COURSE--						
		Medium dense, brown SAND --FILL--	1		1	7 10	NP	10
			2		2	4 6 9	NP	18
	180.3	Very stiff, brown CLAY	3		3	13 13 12	216 P	22
			4		4	5 7 8	322 B	21
	178.8	Stiff to very stiff, gray CLAY	5		5	4 5 7	181 B	22
			6		6	5 6 8	196 B	20
			7		7	4 6 7	204 B	20
			8		8	4 7 10	251 B	19
	175.3	Very stiff, gray SILTY CLAY	9		9	5 6 9	290 B	19
			10		10	6 8 12	196 B	17

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
	174.2	Very stiff, gray CLAY	8		11	4 4 4	212 B	25
			9		12	5 6 8	204 B	22
			10		13	6 7 8	275 B	22
			11		14	5 6 9	314 B	22
			12					
	168.3	Boring terminated at 13.72 m	13					
			14					
			15		15	8 10 11	369 B	22

GENERAL NOTES

Begin Drilling: 07-16-2003 Complete Drilling: 07-16-2003
Drilling Contractor: TSC Drill Rig: CME 75
Driller: C&A Logger: J. Kasnick Checked by: B. Fuglei
Drilling Method: 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling: ▽ 1.32 m
At Completion of Drilling: ▼ 5.03 m
Time After Drilling: 3 hours
Depth to Water: ▼ 5.03 m

The stratification lines represent the approximate boundary between soil types, the actual transition may be graded.

BORING NO. AR-321 (1 OF 1)

Page 1 of 1

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BORING LOG AR-321

WEI Job No.: 255-08-08

Client: American Consulting Engineers
Project: FAI 80/94, I-294 to US 41
Location: s29 T36N R15E & s13 T36 R10W

Datum: NGVD
Elevations: 181.98 m
North: 545162.81 m
East: 368466.53 m
Station: 94083.38
Offset: 35.71 LT

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	SPT Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
	181.9	356-mm thick CONCRETE --PAVEMENT--						
	181.6							
	181.4	CRUSHED STONE AGGREGATE --BASE COURSE--						
		Medium dense, brown SAND --FILL--	1		1	7 9	NP	9
			2		2	8 11 13	NP	20
	180.3	Very stiff to hard, brown CLAY	3		3	4 7 8	385 B	21
			4		4	4 5 6	196 B	22
	178.0	Stiff to very stiff, gray CLAY	5		5	5 5 8	283 B	21
			6		6	4 5 9	181 B	20
			7		7	5 6 9	220 B	19
			8		8	6 8 10	346 B	16
	175.7	Very stiff, gray SILTY CLAY with interbedded silt lenses	9		9	6 7 11	307 B	18
	174.7	Medium dense, gray SILT	10		10	7 12 13	NP	17

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / recovery	Sample No.	N Values (Bw/150 mm)	Qu (kPa)	Moisture Content (%)
	174.2	Very stiff, gray SILTY CLAY	8		11	7 9 7	354 S	16
	173.7	Very stiff, gray CLAY	9		12	4 6 9	275 B	19
			10		13	4 6	236 B	22
			11		14	4 6 9	275 B	21
	169.8	Boring terminated at 12.19 m	12					
			13					
			14					
			15					

GENERAL NOTES

Begin Drilling: 07-15-2003 Complete Drilling: 07-15-2003
Drilling Contractor: TSC Drill Rig: CME 75
Driller: C&A Logger: J. Kasnick Checked by: B. Fuglei
Drilling Method: 3.25-in ID HSA; Boring backfilled upon final water reading

WATER LEVEL DATA

While Drilling: ▽ 7.47 m
At Completion of Drilling: ▼ DRY
Time After Drilling: 24 hours
Depth to Water: ▼ 1.37 m

The stratification lines represent the approximate boundary between soil types, the actual transition may be graded.

DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-80/94/US 6
KINGERY-BORMAN EXPRESSWAY
BURNHAM ROAD TO US 41

BORING LOGS (6 OF 7)
SECTION 2626.2-R-2
LAKE COUNTY, INDIANA
STATION 8+762.750 TO STATION 9+101.839
STRUCTURE NO. 016-W915

DATE 09/05

AMERICAN CONSULTING ENGINEERS