ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-2	LAKE COUNTY, INDIANA	452	301
	R.I. (INDIS)	FED. AID PROJECT-		

SHEET NO. S-69
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AB-20 (2 OF 3)

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 AB-20

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: 190.76 m
North: 545251.92 m
East: 367988.88 m
Station: 8+589.07
Offset: 20.16 LT

Page 2 of 3

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
	174.9	Stiff to very stiff, gray CLAY						
			17	X	18	3 5 6	189 B	21
			18	X	19	4 6 7	157 B	17
			19					
			20	X	20	4 6 9	228 B	22
	170.3	Medium dense, gray, coarse SAND						
			21	X	21	6 7 8	NP	17
			22	X	22	6 6 6	NP	23
	167.3	Hard, gray SILTY CLAY	23					
			24	O	23	10 14 26	NR	
			25					
			26	X	24	10 13 23	856 B	12
			27	X	25	11 15 20	604 B	14
			28					
			29	X	26	9 14 18	417 B	15
			30	X	27	10 14 18	471 B	15
	159.3							

GENERAL NOTES
Begin Drilling 01-17-2002 Complete Drilling 01-18-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger B. Fugiel Checked by E. Datz
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 ▽ 3.05 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-20 (3 OF 3)

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BORING LOG AB-20

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: 190.76 m
North: 545251.92 m
East: 367988.88 m
Station: 8+589.07
Offset: 20.16 LT

Page 3 of 3

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		Boring terminated at 30.48 m						
			31					
			32					
			33					
			34					
			35					
			36					
			37					
			38					

GENERAL NOTES
Begin Drilling 01-17-2002 Complete Drilling 01-18-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger B. Fugiel Checked by E. Datz
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 ▽ 3.05 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-21 (1 OF 2)

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BORING LOG AB-21

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: 180.61 m
North: 545246.24 m
East: 367934.56 m
Station: 8+539.78
Offset: 3.36 RT

Page 1 of 2

Profile	Elevation (m)	SOIL AND ROCK DESCRIPTION	Depth (m)	Sample Type / Recovery	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
		Very stiff, brown SANDY CLAY LOAM, trace gravel --FILL--		X	1	6 7 5	359 P	15
	179.7	Very stiff, brown to gray SILTY CLAY --FILL--		X	2	4 6 8	299 S	20
	178.9	Very stiff to hard, brown CLAY		X	3	4 5 10	565 B	17
				X	4	5 10 11	888 B	17
				X	5	8 10 13	613 B	18
				X	6	3 4 7	369 B	20
	175.4	Stiff to very stiff, gray SILTY CLAY to SILTY CLAY LOAM		X	7	4 8 6	157 B	23
				X	8	4 4 5	157 S	13
				X	9	4 7 10	236 B	19
	173.6	Very stiff, gray CLAY		X	10	3 3 9	220 B	18
	170.9	Medium dense, gray SILT		X	11	5 6 7	220 B	18
				X	12	3 5 8	236 B	15
				X	13	5 5 6	NP	20
	169.3	Very stiff, gray SILTY CLAY		X	14	4 7 9	220 B	26
	167.8	Very stiff, gray CLAY		X	15	4 5 8	236 B	22
	166.3	Hard, gray SILTY CLAY		X	16	7 10 15	628 B	12

GENERAL NOTES
Begin Drilling 01-09-2002 Complete Drilling 01-09-2002
Drilling Contractor TSC Drill Rig B-61
Driller G&D Logger B. Fugiel Checked by N. Davis
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 ▽ 3.05 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED	BHS
CHECKED	KFA
DRAWN	CAK MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

BORING LOGS (7 OF 10)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
DATE 07/04 **(016-I003 & 016-I004)**

AMERICAN CONSULTING ENGINEERS