ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-R-2	LAKE COUNTY, INDIANA	452	302
		BLDINGS	FED. AID PROJECT-	

SHEET NO. S-70
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

BORING NO. AB-21 (2 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 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

Page 2 of 2
Datum: NGVD
Elevation: 180.61 m
North: 545246.24 m
East: 367934.56 m
Station: 8+539.78
Offset: 3.36 RT

Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
17		17	12 14 15	644 B	12
18		18	10 11 11	565 B	11
19		19	10 15 21	456 B	15
20		20	15 21 27	722 B	13
22		21	13 21 39	731 B	12

Elevation (m): 156.7; 153.6

Gray, finely crystalline, medium grained, slightly weathered, strong DOLOSTONE with occassional vugs filled with pyrite and asphalt
--BEDROCK--
--RQD = 87%

Boring terminated at 26.97 m

Core recovery: 22

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.

BORING NO. AB-22 (1 OF 2)

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Fax: 630 458-0900

BORING LOG AB-22

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: 190.68 m
North: 545232.59 m
East: 367989.73 m
Station: 8+596.34
Offset: 2.23 LT

330-mm thick ASPHALT over 229-mm thick CONCRETE
--PAVEMENT--

Hard, brown to gray SILTY CLAY
--FILL--

Medium dense, brown to gray SILTY LOAM
--FILL--

Very stiff, brown to gray CLAY-LOAM to SILTY CLAY LOAM
--FILL--

Medium dense, brown medium SAND
--FILL--

Medium dense, gray SILT
--FILL--

Hard, gray SILTY CLAY
--FILL--

Medium dense, gray SILT to SILTY LOAM
--FILL--

Medium dense, brown, medium SAND
--FILL--

Hard, brown to gray CLAY LOAM

Hard, brown CLAY

Very stiff, gray CLAY

Boring terminated - drilling rods lost in borehole

Depth (m)	Sample Type	Sample No.	N Values (blw/150 mm)	Qu (kPa)	Moisture Content (%)
1		1	5 8 9	383 P	16
2		2	5 6 6	NP	18
3		3	2 3 3	240 P	20
4		4	4 5 5	287 P	31
5		5	6 6 7	311 P	19
6		6	10 11 13	NP	14
7		7	10 10 12	NP	13
8		8	5 7 7	507 B	18
9		9	3 6 7	NP	15
10		10	4 6 11	NP	15
8		11	6 7 8	NP	20
9		12	7 11 14	NP	22
10		13	9 13 11	NP	27
11		14	5 7 11	393 B	19
12		15	5 7 12	624 B	19
13		16	4 5 5	393 B	20
14		17	5 6 8	196 B	19

Elevation (m): 190.1; 189.5; 189.0; 186.7; 186.0; 185.2; 184.4; 182.5; 180.6; 179.4; 176.4; 175.4

Core recovery: 15

GENERAL NOTES
Begin Drilling 01-22-2002 Complete Drilling 01-22-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger B. Fugiel Checked by N. Davis
Drilling Method Mud Rotary; Grouted upon completion

WATER LEVEL DATA
While Drilling ▽ -
At Completion of Drilling ▽ -
Time After Drilling - hours
Depth to Water ▽ m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING NO. AB-22 (2 OF 2)

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BORING LOG AB-22

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: 190.68 m
North: 545232.59 m
East: 367989.73 m
Station: 8+596.34
Offset: 2.23 LT

Boring terminated at 15.24 m

GENERAL NOTES
Begin Drilling 01-22-2002 Complete Drilling 01-22-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger B. Fugiel Checked by N. Davis
Drilling Method Mud Rotary; Grouted upon completion

WATER LEVEL DATA
While Drilling ▽ -
At Completion of Drilling ▽ -
Time After Drilling - hours
Depth to Water ▽ 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 (8 OF 10)
SECTION 2626.2-R-1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I-80-1-8460 (EB & WB)
(016-I003 & 016-I004)

DATE 07/04

AMERICAN CONSULTING ENGINEERS