

BORING NO. AB-21 (2 OF 2)

BORING NO. AB-22 (1 OF 2)

BORING NO. AB-22 (2 OF 2)

W Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng3@wangen.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
Datum: NGVD
Elevation: 180.61 m
North: 545246.24 m
East: 367934.56 m
Station: 84539.78
Offset: 3.36 RT

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

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BORING LOG AB-22
WEI Job No.: 255-08-01
Datum: NGVD
Elevation: 190.68 m
North: 545232.59 m
East: 367989.73 m
Station: 84596.34
Offset: 2.23 LT

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

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)
21.0	330-mm thick ASPHALT over 229-mm thick CONCRETE	21.0			21.0			
19.5	Hard, brown to gray SILTY CLAY	19.5	1	383 P	19.5	1	383 P	
18.5	Medium dense, brown to gray SILTY LOAM	18.5	2	NP	18.5	2	NP	
18.0	Very stiff, brown to gray CLAY LOAM to SILTY CLAY LOAM	18.0	3	240 P	18.0	3	240 P	
17.5	Hard, brown to gray CLAY LOAM	17.5	4	287 P	17.5	4	287 P	
17.0	Hard, brown CLAY	17.0	5	311 P	17.0	5	311 P	
16.5	Medium dense, brown medium SAND	16.5	6	NP	16.5	6	NP	
16.0	Medium dense, gray SILT	16.0	7	NP	16.0	7	NP	
15.5	Hard, gray SILTY CLAY	15.5	8	507 B	15.5	8	507 B	
15.0	Medium dense, gray SILT to SILTY LOAM	15.0	9	NP	15.0	9	NP	
14.5	Very stiff, gray CLAY	14.5	10	NP	14.5	10	NP	
14.0	Boring terminated - drilling lost in borehole	14.0	11	196 B	14.0	11	196 B	

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)
21.0	330-mm thick ASPHALT over 229-mm thick CONCRETE	21.0			21.0			
19.5	Hard, brown to gray SILTY CLAY	19.5	1	383 P	19.5	1	383 P	
18.5	Medium dense, brown to gray SILTY LOAM	18.5	2	NP	18.5	2	NP	
18.0	Very stiff, brown to gray CLAY LOAM to SILTY CLAY LOAM	18.0	3	240 P	18.0	3	240 P	
17.5	Hard, brown to gray CLAY LOAM	17.5	4	287 P	17.5	4	287 P	
17.0	Hard, brown CLAY	17.0	5	311 P	17.0	5	311 P	
16.5	Medium dense, brown medium SAND	16.5	6	NP	16.5	6	NP	
16.0	Medium dense, gray SILT	16.0	7	NP	16.0	7	NP	
15.5	Hard, gray SILTY CLAY	15.5	8	507 B	15.5	8	507 B	
15.0	Medium dense, gray SILT to SILTY LOAM	15.0	9	NP	15.0	9	NP	
14.5	Very stiff, gray CLAY	14.5	10	NP	14.5	10	NP	
14.0	Boring terminated - drilling lost in borehole	14.0	11	196 B	14.0	11	196 B	

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Moisture Content (%)
21.0	Boring terminated at 15.24 m	21.0			21.0			

GENERAL NOTES

Begin Drilling 01-09-2002 Complete Drilling 01-09-2002
 Drilling Contractor TSC Drill Rig B-61
 Driller GAD 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

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 7 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 7 m

DESIGNED	BMS
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)
 DATE 07/05 (016-1003 & 016-1004)

AMERICAN
 CONSULTING ENGINEERS