

BORING NO. AR-090 (1 OF 2)

BORING NO. AR-090 (2 OF 2)

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W Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
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100 Fairbank Street
Addison, IL 60101
Telephone: 630 458-0700
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BORING LOG AR-090
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: 189.56 m
North: 545341.21 m
East: 367726.59 m
Station: 8+312.02
Offset: 16.60 LT

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

Datum: NGVD
Elevation: 189.89 m
North: 545335.67 m
East: 367745.34 m
Station: 8+329.66
Offset: 16.98 LT

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)
189.2	381-mm thick ASPHALT --PAVEMENT--	8	11	5				8	11	5		
188.5	Gray CRUSHED STONE --BASE COURSE--	9	12	8				9	12	8		
188.6	Stiff to hard, brown to gray SILTY CLAY --FILL--	10	13	7				10	13	7		
179.5	Very stiff to hard, brown gray CLAY	11	14	4				11	14	4		
172.5		12	15	3				12	15	3		
220		13	16	5				13	16	5		
228		14	17	7				14	17	7		
220		15	18	4				15	18	4		
181		16	19	3				16	19	3		
335		17	20	5				17	20	5		
417		18	21	4				18	21	4		
212		19	22	6				19	22	6		
172		20	23	3				20	23	3		
176.1	Dense, gray SILT	21	24	5				21	24	5		
175.2	Very stiff, gray CLAY	22	25	4				22	25	4		
		23	26	3				23	26	3		
		24	27	4				24	27	4		
		25	28	3				25	28	3		
		26	29	5				26	29	5		
		27	30	4				27	30	4		
		28	31	3				28	31	3		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)
168.2	Boring terminated at 21.34 m	21.34						21.34				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Dr (in)	Moisture Content (%)
189.5	432-mm thick ASPHALT --PAVEMENT--	8	11	9				8	11	9		
189.0	Gray CRUSHED STONE --BASE COURSE--	9	12	11				9	12	11		
189.0	Stiff to very stiff, brown to gray SILTY CLAY --FILL--	10	13	47				10	13	47		
188.6	Very stiff to hard, brown and gray CLAY	11	14	5				11	14	5		
177.1	Very stiff, gray CLAY	12	15	3				12	15	3		
314		13	16	6				13	16	6		
479		14	17	3				14	17	3		
175.6	Very stiff, gray SILTY CLAY	15	18	6				15	18	6		
263		16	19	3				16	19	3		
		17	20	3				17	20	3		

GENERAL NOTES
Begin Drilling 04-23-2002 Complete Drilling 04-23-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger H. Suhail 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 ∇ 2.59 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES
Begin Drilling 04-23-2002 Complete Drilling 04-23-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger H. Suhail 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 ∇ 2.59 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES
Begin Drilling 04-22-2002 Complete Drilling 04-22-2002
Drilling Contractor TSC Drill Rig CME 75
Driller C&J Logger H. Suhail 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 ∇ 3.05 m
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

DESIGNED	KFA
CHECKED	BPS
DRAWN	CAK/JS
CHECKED	GSP

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

BORING LOGS (3 OF 7)
SECTION 2626.2-R-2
LAKE COUNTY, INDIANA
STATION 8+235.100 TO STATION 8+412.491
STRUCTURE NO. 016-W858
DATE 09/05

AMERICAN
CONSULTING ENGINEERS