

**BORING NO. AR-083 (1 OF 1)**

**BORING NO. AR-084 (1 OF 1)**

**BORING NO. AR-085 (1 OF 1)**

**Wang Engineering, INC.**  
wangeng3ewangeng.com  
100 Fairbank Street  
Addison, IL 60101  
Telephone: 630 458-0700  
Fax: 630 458-0900

**BORING LOG AR-083**  
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: 182.51 m  
North: 545422.85 m  
East: 367392.43 m  
Station: 7959.02  
Offset: 16.16 RT

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**BORING LOG AR-084**  
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: 182.77 m  
North: 545409.24 m  
East: 367435.92 m  
Station: 84014.58  
Offset: 16.02 RT

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**BORING LOG AR-085**  
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: 183.31 m  
North: 545394.77 m  
East: 367478.25 m  
Station: 84060.07  
Offset: 15.98 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)
182.1	381-mm thick ASPHALT --PAVEMENT--	0					174.7	Very stiff, gray SANDY CLAY	8	11	4	330	16
182.1	Gray CRUSHED STONE --BASE COURSE--	1	1	12	NP	13	174.0	Very stiff, gray CLAY	9	12	5	290	20
181.5	Hard brown and gray SILTY CLAY	2	2	7	432	20	173.8	Boring terminated at 10.67 m	10	13	4	283	22
180.8	Hard, brown CLAY	3	3	8	511	20							
179.3	Stiff to very stiff, gray CLAY	4	4	6	542	19							
		5	5	3	251	19							
		6	6	3	220	19							
		7	7	3	189	20							
		8	8	4	204	20							
		9	9	4	236	20							
		10	10	3	251	26							

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)
182.4	355-mm thick ASPHALT --PAVEMENT--	0					180.3	Very stiff to hard, brown and gray SILTY CLAY	1	1	8	383	15
182.4	Gray CRUSHED STONE --BASE COURSE--	1	1	8	NP	15	178.8	Very stiff to hard, gray CLAY	2	2	5	228	28
181.7	Very stiff, brown and gray SILTY CLAY	2	2	7	275	23	178.6	Boring terminated at 12.19 m	3	3	3	267	18
180.3	Very stiff to hard, brown CLAY	3	3	7	447	20							
178.8	Very stiff to hard, gray CLAY	4	4	7	464	20							
		5	5	3	228	19							
		6	6	3	251	21							
		7	7	3	299	18							
		8	8	4	251	21							
		9	9	3	251	21							
		10	10	4	354	21							

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (lb/ft <sup>2</sup> )	Moisture Content (%)
182.9	381-mm thick ASPHALT --PAVEMENT--	0					177.1	Boring terminated at 12.19 m	11	11	5	228	27
182.9	Gray CRUSHED STONE --BASE COURSE--	1	1	9	240	16	177.3	Very stiff, gray CLAY	12	12	3	260	19
182.7	Very stiff, brown and gray SILTY CLAY	2	2	7	307	21	176.8	Very stiff, gray SILTY CLAY	13	13	4	290	20
180.9	Hard, brown CLAY	3	3	7	212	22	176.3	Medium dense, gray SILT	14	14	4	283	21
179.3	Very stiff, gray CLAY	4	4	5	613	20	176.8	Very stiff, gray SILTY CLAY	15	15	10	251	20
		5	5	5	558	20	176.3	Medium dense, gray SILT	16	16	10	204	21
		6	6	3	283	19	175.9	Very stiff, gray CLAY	17	17	10	204	21
		7	7	3	220	18							
		8	8	3	228	21							
		9	9	10	251	20							
		10	10	10	204	21							

**GENERAL NOTES**  
Begin Drilling 05-13-2002 Complete Drilling 05-13-2002  
Drilling Contractor TSC Drill Rig CME 75  
Driller C&A 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 48 hours  
Depth to Water 0.30 m  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**GENERAL NOTES**  
Begin Drilling 05-14-2002 Complete Drilling 05-14-2002  
Drilling Contractor TSC Drill Rig CME 75  
Driller C&A Logger H. Suhail Checked by B. Fugiel  
Drilling Method Mud Rotary; Grouted after final water reading

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At Completion of Drilling   
Time After Drilling 48 hours  
Depth to Water 0.30 m  
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DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

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

**BORING LOGS (1 OF 3)**  
SECTION 2626.2-R-1  
LAKE COUNTY, INDIANA  
STATION 7+960.424 TO STATION 8+199.354  
STRUCTURE NO. 016-W922  
DATE 07/04

**AMERICAN**  
CONSULTING ENGINEERS