

**BORING NO. AR-086 (1 OF 2)**

**BORING NO. AR-086 (2 OF 2)**

**BORING NO. AR-087 (1 OF 2)**

**BORING LOG AR-086** Page 1 of 2  
 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  
 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: 184.17 m  
 North: 545379.73 m  
 East: 367520.86 m  
 Station: 8+105.26  
 Offset: 15.90 RT

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 Project: FAI 80/94, I-294 to US 41  
 Location: s13 T36N R10W & s29 R15E T36N  
 Datum: NGVD  
 Elevation: 185.53 m  
 North: 545362.60 m  
 East: 367570.38 m  
 Station: 8+157.65  
 Offset: 15.48 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
183.1	457-mm thick ASPHALT --PAVEMENT--	0					183.1		0				
183.4	Gray CRUSHED STONE --BASE COURSE--	1	9	8	287	P	183.4		1	9	8	287	P
	Very stiff, brown and gray SILTY CLAY --FILL--	2	7	10	240	P	183.4		2	7	10	240	P
		3	7	8	189	S	183.4		3	7	8	189	S
		4	4	8	471	B	183.4		4	4	8	471	B
181.6	Hard, brown CLAY	5	4	6	692	B	181.6		5	4	6	692	B
		6	3	5	574	B	181.6		6	3	5	574	B
179.4	medium stiff to hard, gray CLAY	7	4	5	400	B	179.4		7	4	5	400	B
		8	4	5	181	B	179.4		8	4	5	181	B
		9	3	4	236	B	179.4		9	3	4	236	B
		10	4	5	220	B	179.4		10	4	5	220	B
		11	5	7	314	B	179.4		11	5	7	314	B

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
186.8	Hard, gray SILTY CLAY	17	7	9	456	B	186.8		17	7	9	456	B
185.9	Boring terminated at 18.29 m	18	10	14	790	B	185.9		18	10	14	790	B

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/150 mm)	Qu (kPa)	Moisture Content (%)
185.2	356-mm thick ASPHALT --PAVEMENT--	0					185.2		0				
185.4	Gray CRUSHED STONE --BASE COURSE--	1	9	9	393	S	185.4		1	9	9	393	S
	Very stiff to hard, brown and gray SILTY CLAY --FILL--	2	6	8	287	P	185.4		2	6	8	287	P
		3	9	10	287	P	185.4		3	9	10	287	P
		4	7	9	299	S	185.4		4	7	9	299	S
		5	6	8	267	S	185.4		5	6	8	267	S
180.8	Hard, brown and gray CLAY	6	4	5	192	P	180.8		6	4	5	192	P
		7	5	8	675	B	180.8		7	5	8	675	B
179.3	Stiff to hard, gray CLAY	8	9	6	542	B	179.3		8	9	6	542	B
		9	5	6	228	B	179.3		9	5	6	228	B
		10	3	4	172	B	179.3		10	3	4	172	B

**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

**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  
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 Driller C&A Logger H. Suhail checked by B. Fugiel  
 Drilling Method Mud Rotary; Grouted after final water reading

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 Time After Drilling 48 hours  
 Depth to Water 0.30 m  
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**GENERAL NOTES**  
 Begin Drilling 05-15-2002 Complete Drilling 05-15-2002  
 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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DESIGNED	MJW
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94/US 6  
 KINCERY-BORMAN EXPRESSWAY  
 BURNHAM ROAD TO US 41  
**BORING LOGS (2 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