

**BORING NO. AR-039 (1 OF 2)**

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**BORING LOG AR-039** Page 1 of 2

Wang Engineering, INC. Consulting Geotechnical and Environmental Engineers  
 wangen3@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: USGS  
 Elevation: 182.49 m  
 North: 545496.84 m  
 East: 366501.39 m  
 Station: 7 +064.86  
 Offset: 20.65 RT

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Datum: USGS  
 Elevation: 182.45 m  
 North: 545496.94 m  
 East: 366524.89 m  
 Station: 7 +088.36  
 Offset: 20.82 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/150 mm)	CU (kPa)	Moisture Content (%)
182.4	Very stiff, dark brown to brown and gray SILTY CLAY LOAM to SILTY CLAY --FILL--	1	3	2	192	24	19
182.4		2	4	4			
182.4		3	5	5			
180.8	Very stiff to hard, brown CLAY	2	2	6	369	19	19
180.8		3	4	6	393	19	19
180.8		4	5	5			
178.3	Stiff, gray CLAY	3	3	5	267	22	21
178.3		4	4	7			
178.3		5	5	8	181	21	22
178.5	Medium dense, gray SILT	4	3	5	NP	22	20
178.5		5	4	7			
178.5		6	5	7			
177.8	Loose, gray SANDY LOAM	5	5	3	NP	20	21
177.8		6	6	6			
177.0	Medium dense, gray SILT	6	2	8	NP	20	21
177.0		7	3	7			
176.2	Medium stiff to very stiff, gray CLAY to SILTY CLAY	7	2	8	NP	20	21
176.2		8	3	7			

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/150 mm)	CU (kPa)	Moisture Content (%)
182.4	Stiff to very stiff, gray SILTY CLAY	15	4	5	260	20	19
182.4		16	5	6			
182.4		17	6	6			
181.3	Boring terminated at 15.24 m	15	3	5	354	14	19
181.3		16	4	7			

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/150 mm)	CU (kPa)	Moisture Content (%)
181.7	Medium dense, black LOAM --FILL--	4	4	4	263	20	24
181.7		5	5	5			
181.7		6	6	6			
175.1	Hard, brown and gray SILTY LOAM	1	3	4	440	18	35
175.1		2	4	5			
175.1		3	5	6			
174.8	Stiff to very stiff gray CLAY to SILTY CLAY	2	2	2	251	20	20
174.8		3	3	3			
180.3	Very stiff, brown CLAY	3	2	2	251	20	21
180.3		4	3	3			
179.7	Stiff, gray CLAY	3	3	5	178	19	21
179.7		4	4	7			
179.7		5	5	8	178	19	20
179.7		6	6	11			
178.5	Medium dense, gray SILT	4	8	9	NP	23	20
178.5		5	9	11			
177.0	Stiff, gray CLAY	6	6	5	NP	21	20
177.0		7	7	6			
177.0		8	8	3	157	25	20
177.0		9	9	3			

**GENERAL NOTES**

Begin Drilling 09-28-2001 Complete Drilling 09-28-2001  
 Drilling Contractor TSC Drill Rig B-61  
 Driller G&F Logger B. Fugiel Checked by B. Fugiel  
 Drilling Method 3.25-in. HSA; Grouted

**WATER LEVEL DATA**

While Drilling  DRY  
 At Completion of Drilling  DRY  
 Time After Drilling NA  
 Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.L. ROUTE 80/94 AND U.S. ROUTE 6  
 LOCAL ROAD RECONSTRUCTION

**BORING LOGS (6 OF 13)**  
**SECTION 2001-167R**  
**COOK COUNTY**  
**STATION 6 + 850.000 to STATION 7 + 400.281**  
**STRUCTURE NO. 016-W873**  
 DATE 07/05

**AMERICAN**  
 CONSULTING ENGINEERS

FOR INFORMATION ONLY