

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.P. 324	SECTION 23B-1	COUNTY McHENRY	TOTAL SHEETS 97	SHEET NO. 62	SHEET NO. 22 25 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-		

Contract # 62892

**BORING LOG BK-02** Page 1 of 2

Wang Engineering, Inc.  
Consulting Geotechnical and Environmental Engineers  
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Telephone: 630 953-9928  
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**WEI Job No.: 487-01-01**  
Client: **V3 Companies**  
Project: **U.S. Rte 23 over Kishwaukee River**  
Location: **Marengo, IL**

Datum: NGVD  
Elevation: 798.43 ft  
North: 2039487.03 ft  
East: 909784.87 ft  
Station: 68+59  
Offset: 34 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
797.96	96-inch thick, black CLAY LOAM --TOPSOIL--												
796.4	Very soft, black SANDY CLAY LOAM, with organics	1	1	100	0.25	115			11	87	10	NP	11
	Very loose, black, fine SANDY LOAM, with organics	5	2	100	NP	141			30	58	6	NP	3
		10	3	101	NP	40			35	39	8	NP	3
		15	4	242	NP	9			40	3	8	NP	3
767.9	Loose to medium dense, gray, medium to coarse SAND GRAVEL=14.9% SAND=83.0% SILT+CLAY=2.1%	20	5	647	NP	16			45	67	11	NP	5
		25	6	236	NP	23			50	21	23	NP	7
			7	556	NP	19							
			8	460	NP	16							
			9	581	NP	20							
775.4	Medium dense, gray GRAVELLY SAND to GRAVEL	25	10	578	NP	14							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-21-2007	Complete Drilling	11-26-2007	While Drilling	NA		
Drilling Contractor	DLZ	Drill Rig	D-120	At Completion of Drilling	NA		
Driller	J & A	Logger	Y. Shiu	Checked by	E. Datz		
Drilling Method	Mud rotary after 20'			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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746.7	Dense, brown, fine SAND												
743.4		55	17	1123	NP	10							
	Boring terminated at 55.00 ft												

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Driller	J & A	Logger	Y. Shiu	Checked by	E. Datz		
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DESIGNED	CJB
CHECKED	PWO
DRAWN	DRP
CHECKED	PJM



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www.v3co.com

**BORING LOGS**  
**ILL. ROUTE 23 OVER**  
**KISHWAUKEE RIVER**  
**F.A.P. RT. 324**  
**McHENRY COUNTY**  
**STATION 69+02.50**  
**STRUCTURE NO. 056-0001**