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**BORING LOG RW-3E**  
 WEI Job No.: 950-12-01  
 Datum: NGVD  
 Elevation: 665.00 ft  
 North: 2056861.73 ft  
 East: 1084300.14 ft  
 Station: 244+54.90  
 Offset: 34.70 LT

Client: Christian-Roge & Associates, Inc.  
 Project: Illinois Route 21 (Milwaukee Avenue)  
 Location: T44N R11E and T45N R11E

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**BORING LOG RW-3D**  
 WEI Job No.: 950-12-01  
 Datum: NGVD  
 Elevation: 665.00 ft  
 North: 2056772.85 ft  
 East: 1084284.06 ft  
 Station: 245+46.95  
 Offset: 34.90 LT

Client: Christian-Roge & Associates, Inc.  
 Project: Illinois Route 21 (Milwaukee Avenue)  
 Location: T44N R11E and T45N R11E

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	DL (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	DL (tsf)	Moisture Content (%)
664.2	10-inch thick, black CLAY LOAM --TOPSOIL-- Medium dense, brown SANDY LOAM, little gravel	1	8	14	NP	16	644.5	Medium dense, gray, fine, poorly-graded SAND	9	21	7	NP	29
662.2	Medium dense, brown GRAVELLY SAND	2	6	14	NP	12			10	7	10	NP	26
659.8	Dense, gray SANDY GRAVEL	3	10	17	NP	13			11	6	10	NP	20
657.9	Medium dense, gray GRAVELLY SAND	4	7	13	NP	14			12	7	11	NP	19
		5	15	15	NP	11	635.0	Boring terminated at 30.00 ft					
652.0	Very stiff to hard, gray CLAY, trace gravel	6	3	10	3.85 B	22			15	6	7	10	24
		7	7	21	5.41 B	12			20	6	11	19	15
		8	6	11	5.66 B	13							

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	DL (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	DL (tsf)	Moisture Content (%)
664.2	10-inch thick, black CLAY LOAM --TOPSOIL-- Medium dense, brown SANDY LOAM, little gravel	1	4	10	NP	15	644.5	Medium dense, gray SILT to SILTY LOAM	9	9	11	NP	19
662.0	Medium dense to dense, gray GRAVELLY SAND	2	6	11	NP	8			10	7	11	NP	22
		3	11	12	NR		640.0	Medium dense, gray, fine, poorly-graded SAND	7	7	10	NP	29
		4	7	17	NP	10			12	9	10	NP	21
		5	6	10	3.28 B	20	635.0	Boring terminated at 30.00 ft					
654.5	Very stiff to hard, gray CLAY, trace gravel	6	4	10	2.54 B	24			15	9	10	15	15
		7	9	15	4.59 B				20	5	10	11	15
		8	5	10	3.50 P								

<b>GENERAL NOTES</b>		<b>WATER LEVEL DATA</b>	
Begin Drilling 03-17-2011	Complete Drilling 03-17-2011	While Drilling	3.50 ft
Drilling Contractor WTS	Drill Rig Mobile B-57 TMR	At Completion of Drilling	3.50 ft
Driller K&R	Logger F. Bozga	Time After Drilling	NA
Checked by M. Snider		Depth to Water	NA
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion			
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

<b>GENERAL NOTES</b>		<b>WATER LEVEL DATA</b>	
Begin Drilling 03-17-2011	Complete Drilling 03-17-2011	While Drilling	3.00 ft
Drilling Contractor WTS	Drill Rig Mobile B-57 TMR	At Completion of Drilling	1.00 ft
Driller K&R	Logger F. Bozga	Time After Drilling	NA
Checked by M. Snider		Depth to Water	NA
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion			
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

**SOIL BORING LOGS-III  
 STRUCTURE NO. 049-W019**



FILE NAME = D:\68953-09-boring_logs-III.dgn	USER NAME =	DESIGNED - J.C.N./B.N.S.	REVISED -
		CHECKED - B.N.S.	REVISED -
		DRAWN - F.M.	REVISED -
		CHECKED - B.N.S./J.C.N.	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS-III  
 STRUCTURE NO. 049-W019**  
 SHEET NO. S3-9 OF S3-9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	309
CONTRACT NO. 60953				
ILLINOIS FED. AID PROJECT				