

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE IL 251 DESCRIPTION P92-144-05 IL 251 over Spring Creek Road in Rockford LOGGED BY W. Garza

SECTION LOCATION Rockford Twp. - 13NE. SEC. TWP. 44N. RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Wash After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode
		711.10		0.3	P							12			
		709.10										13			
		707.10		0.6	P							15			
		704.60		2.2	B							17			
		701.60		0.8	B							20			
		699.60										22			
		697.10										24			
		694.60										26			

Figure 3 Sheet 2 of 7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



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ROUTE IL 251 DESCRIPTION P92-144-05 IL 251 bridge over Spring Creek LOGGED BY W. Garza

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COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Wash After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode
		712.30		0.5	P							4			
		710.30		0.4	S							5			
		708.30										9			
		705.80										11			
		703.30										14			
		700.80										16			
		698.30										19			
		695.80										21			

Figure 3 Sheet 3 of 7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
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COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.	Station	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Wash After (Hrs)	DEPTH (ft)	BULGE (in)	UCS (tsf)	Failure Mode
		712.70		0.2	P							11			
		710.70										13			
		708.20										17			
		705.70										20			
		703.20										23			
		700.70										25			
		698.20										28			
		695.70										31			

Figure 3 Sheet 4 of 7

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

DESIGNED	JY
CHECKED	GSP
DRAWN	MJB
CHECKED	JY

BORING LOGS (1 OF 2)
STRUCTURE NO. 101-0190

SHEET NO. 60	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	1-HBR & 1-2HB-D	WINNEBAGO	216	115
61 SHEETS	IL RTE 251 & FOREST HILLS RD		CONTRACT NO. 64B79		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

* F.A.P. 303 & F.A.U. 5146