

SOIL BORING LOG

ROUTE FA 599 DESCRIPTION P92-029-79 IL 92 over Big Branch Creek, 0.6 m. W. of Loud Thunder Road LOGGED BY C. Jenkins

SECTION (83MAFT&103MFT)W&RS LOCATION Montpelier Twp. -, SEC. 35, TWP. 17N, RNG. 4W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO.	Station	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After Hrs.	DEPTH	BLOW	UCS	MOIST	
081-0072	734+05.89	(ft)	(/6")	(tsf)	(%)	None	617.40		617.5	603.5		(ft)	(/6")	(tsf)	(%)	
Gravel													22			
Concrete				0.4	20.0								31			
SOFT tan SILTY LOAM with some GRAVEL				P			611.00						51			
MEDIUM tan/gray SILTY CLAY with some GRAVEL	630.00		2										33			
			3	0.9	20.0								37			
	628.50		2	S			608.50						43			
STIFF brown SILTY CLAY with some GRAVEL													-25			
			3										36			
	626.00		4	1.1	19.0								100/12*			
			4	P			606.00						PEN			
STIFF brown/gray SILTY CLAY TILL																
			3										100/11*			
	623.50		3	1.6	22.0								PEN			
			5	B			603.50									
MEDIUM gray SILT																
			3													
	621.00		5	0.9	23.0								100/9*			
			6	S			601.75						PEN			
MEDIUM black SILTY LOAM with ORGANICS																
			2													
	618.00		2	0.8	24.0											
			3	S												
MEDIUM tan/gray dirty SAND & GRAVEL with LIMESTONE fragments																
			3													
	615.50		5													
			6													
DENSE gray/black SHALE																
			18													
	613.50		20													
			27													
			-20													

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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081-0072	734+05.89	(ft)	(/6")	(tsf)	(%)	618.20	617.40		617.2	Dry		(ft)	(/6")	(tsf)	(%)	
Asphalt																
Concrete				0.6	24.0											
MEDIUM black SILTY LOAM				P			610.70						28			
													32			
	629.70		4										68			
MEDIUM gray/black SILTY LOAM with GRAVEL																
			2	0.9	24.0											
	628.20		3	S			608.20						29			
													39			
	628.50		2										45			
STIFF brown/gray SILTY CLAY with some GRAVEL																
	626.00		2													
	625.70		4	0.6	22.0								35			
				P									40			
	625.70		4										46			
STIFF black/gray SILTY LOAM with some GRAVEL																
	623.20		4	1.2	20.0								52			
				S									48			
	623.20		4										100/9*			
													PEN			
STIFF black/gray SILTY CLAY with a COAL lens and a SAND lens																
	620.70		3													
			3	1.1	23.0											
	620.70		5	S									70			
													30			
	620.70												100/8*			
													PEN			
MEDIUM gray SANDY LOAM																
	617.70		2													
			2	0.5	24.0											
	617.70		3	P												
LOOSE tan/brown SAND & GRAVEL																
	615.20		6													
			3													
	615.20		5													
DENSE gray/black SHALE																
	613.20		11													
	613.20		19													
			24													
			-20													

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BBS, from 137 (Rev. 8-99)

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DESIGNED - --	REVISOR -
CHECKED - --	REVISOR -
DRAWN - MWS	REVISOR -
CHECKED - BJM	REVISOR -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS STRUCTURE NO. 081-0196

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
599	103MFT-BR	ROCK ISLAND	88	51
CONTRACT NO. 64D18				
ILLINOIS FED. AID PROJECT				

SHEET NO. 20 OF 20 SHEETS