

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 18 18 SHEETS
FAP 95	6BR-7	JASPER	546	258	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

Contract No. 94437

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation - District 7

SOIL BORING LOG

Page 1 of 2
Date 7/10/97

ROUTE FAP 95 (ILL 33) DESCRIPTION West Fork Big Muddy, North Muddy Twp LOGGED BY D. Lux
SECTION 6-BR LOCATION SEC. 17, TWP. 7 N, RNG. 8 E, 3 PM
COUNTY Jasper DRILLING METHOD Solid stem auger HAMMER TYPE Automatic 140#

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	D	B	U	M	D	B	U	M
040-0021	1 of 2 (East Abut)	729+63	7.00ft North of CL	582.53 ft	572.83 ft	572.52 ft	Dry ft	Dry ft	N/A ft	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
	Asphalt surface.			581.83														
	Concrete pavement.			581.03														
	Soft, wet, gray w/ black streaks, CLAY w/ slight organic odor.																	
				0														
				0	0.4		24											
				2	B													
				-5														
				576.53														
	Estimated soft to medium, very damp, gray mottled brown w/ black streaks, CLAY.																	
				2	0.5		25											
				2	E													
				574.03														
	Stiff, damp to very damp, gray marbled red w/ black streaks, CLAY.																	
				1														
				2	1.1		25											
				3	S													
				-10														
				571.53														
	Stiff, damp, red, CLAY TILL.																	
				1														
				3	1.6		17											
				6	B													
				569.03														
	Very stiff, damp, brown, CLAY TILL.																	
				7														
				13	3.9		10											
				17	E													
				-15														
				567.03														
	Hard, damp, brown marbled red & gray, CLAY TILL.																	
				6														
				12	6.2		11											
				15	S													
				546.53														
	Hard, damp, gray, CLAY TILL.																	
				4														
				10	6.4		12											
				14	S													
				543.03														
	Very stiff, damp, gray, CLAY.																	
				5														
				10	7.1		12											
				14	BS													
				-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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STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	D	B	U	M	D	B	U	M
040-0021	1 of 2 (East Abut)	729+63	7.00ft North of CL	582.53 ft	572.83 ft	572.52 ft	Dry ft	Dry ft	N/A ft	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	
	Very stiff, damp, gray, CLAY. (continued)																	
				3														
				9	3.5		15											
				12	B													
				4														
				8	3.9		16											
				11	B													
				538.03														
	Stiff, damp, gray marbled brown, CLAY w/ few pebbles and sandstone fragments.																	
				2														
				5	1.8		19											
				6	S													
				534.03														
	Stiff, damp, gray marbled brown, SANDY CLAY w/ few pebbles and sandstone fragments and 1/2" sand & sandy loam lenses at bottom of sample.																	
				3														
				9	1.6		13											
				13	S													
				533.03														
	Medium, moist to very moist, gray marbled brown, MIXTURE of Clay, Sandy Clay & Sand w/ few pebbles and sandstone fragments.																	
				5														
				13	0.8		17											
				14	S													
				529.03														
	Dense, moist to very moist, gray marbled brown, MIXTURE of Clay, Sandy Clay & Sand w/ few pebbles and sandstone fragments.																	
				7														
				15														
				22														
				-55														
				525.53														
	Medium, very moist, gray marbled brown, SAND w/ few pebbles and sandstone fragments. 34% passing #200 sieve.																	
				8														
				18														
				19														
				506.63														
	Extent of exploration																	
				50/3"														
				50/2"														
				50/3"														
				50/1"														
				50/1"														
				-75														
				506.63														
	Extent of exploration																	
				50/3"														
				50/1"														
				50/1"														
				-80														

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040-0021	2 of 2 (West Abut)	729+63	8.00ft South of CL	582.66 ft	572.83 ft	572.52 ft	Dry ft	Dry ft	Couldn't get ft	N/A ft	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
	Asphalt surface.			581.86														