

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**SOIL BORING LOG**

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ROUTE FAI 80 DESCRIPTION P92-038-03 I-80 bridge over Negro Creek, 1.75 m. E. of IL 89 LOGGED BY W. Garza  
SECTION 06-7B-1R&06-7VB LOCATION Hall Twp. - 17 NW, SEC. , TWP. 16N, RNG. 11E  
COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO. Station	D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. ft	Stream Bed Elev. ft	Groundwater Elev.:	D E P T H ft	B L O W S (ft)	U C S Qu (tsf)	M O I S T (%)
SOFT brown SANDY LOAM 1758+70			0.4 P	15	560.0	558.5	596.8				
STIFF brown CLAY LOAM with SAND lens 644.30	2	2	1.4	14	624.80	622.30	VERY STIFF gray/tan SILTY CLAY LOAM		4	8	
VERY STIFF brown SANDY LOAM with GRAVEL lens 642.80	5	10	2.6	11	620.30	617.80	VERY STIFF gray SILTY LOAM		2	5	2.2
SOFT gray SILTY CLAY 640.30	3	4	1.8	25	615.30	612.80	STIFF gray SILTY LOAM with ORGANICS		3	5	1.2
STIFF gray SANDY LOAM 637.80	3	6	1.8	11	610.30	607.80	STIFF grayish tan SILTY CLAY LOAM		3	4	1.2
VERY STIFF brown LOAM 635.30	4	5	3.9	11	607.80	607.80	MEDIUM tan brown LOAM		1	1	0.8
MEDIUM grayish tan dirty fine SAND 632.30	10	10		12	607.80	607.80	STIFF gray SILT		4	6	1.7

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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VERY STIFF dark brown SILTY LOAM 1758+70			4	2.1	560.0	558.5	596.8				
VERY STIFF dark gray CLAY LOAM 605.30	3	5	2.5	20	585.30	582.80	VERY STIFF gray SILTY CLAY TILL		6	7	2.9
VERY STIFF dark gray CLAY LOAM 602.80	3	5	2.5	24	582.80	580.30	VERY STIFF gray SILTY CLAY TILL		7	11	3.9
VERY STIFF dark gray CLAY LOAM 600.30	3	5	2.5	24	580.30	577.80	HARD gray SILTY CLAY TILL		7	9	4.3
STIFF gray SILTY CLAY LOAM with SILT lens 597.30	1	5	1.7	18	577.80	575.30	HARD gray SILTY CLAY TILL		9	13	6.2
VERY LOOSE/LOOSE gray clean medium coarse SAND 595.30	1	1			575.30	572.30	VERY STIFF gray SILTY CLAY TILL		5	8	3.9
Wash MEDIUM gray clean medium coarse SAND with COAL 592.80	5	8			572.30	570.30	VERY STIFF gray SILTY CLAY with SAND lens		5	8	3.1
Wash MEDIUM gray fine SAND 590.30	8	12			570.30	567.80	VERY DENSE gray fine SAND with medium SAND lens		34	41	
MEDIUM gray fine and medium SAND 587.30	10	12			567.80	567.80	VERY DENSE gray fine SAND with medium SAND lens		38	36	

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BBS, from 137 (Rev. 8-99)

DESIGNED	
CHECKED	
DRAWN	MAU
CHECKED	AD

*BORING LOGS -3*  
*STRUCTURE NO. 006-0174 (EB)*  
*STRUCTURE NO. 006-0175 (WB)*

SHEET NO. 36	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	80	*	BUREAU	349	234
39 SHEETS	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 66908		

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