

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



F.A.P. ROUTE NO.	SECTION	COUNTY	LETT	SHEET NO.
786	109 BR	La Salle	351	284

SHEET NO. 84
89 SHEETS

Contract # 66607



Illinois Department of Transportation
Division of Highways
District #3, Champaign

SOIL BORING LOG

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Date 10/22/02

ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY KWJ/DOT
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. SE. 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO. 050-0070 EXISTING
Station 79+05
BORING NO. 3 NORTH SIDE
Station 78+25
Offset 15.00R LT
Ground Surface Elev. 450.98 ft

DEPTH (ft)	BLU (ft)	UCS (psi)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLU (ft)	UCS (psi)	MOISTURE (%)
0				Surface Water Elev. 483.41 ft Stream Bed Elev. _____ ft	0			
				Groundwater Elev.: First Encounter 479.0 ft Upon Completion WASHED After _____ Hrs.				
				AUGERED Brown SANDY LOAM with GRAVEL & CONCRETE DEBRIS	12			
				Dense Brown Fine to Coarse SAND (continued)	17		20.0	
					20			
					5			
					13		15.0	
					23			
486.98	3	12.0		Very Silty Brown Mix of SAND, SILT & GRAVEL (LOAMY GRAVEL)	16		14.0	
	4			Potential COBBLE to BOULDER Size Material	24			
	1				28		10.0	
	5	20.0			25			
	3							
480.48	1			TOP OF ROCK Dense Dark Gray Weathered SHALE Borehole continued with rock coring.	100/3		9.0	
	2	21.0						
	1							
	1	23.0						
	1							
	11							
474.98	13	21.0		Dense Brown Fine to Coarse SAND				
	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, form 137 (Rev. 8-98)



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ROCK CORE LOG

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Date 10/22/02

ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY KWJ/DOT
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. SE. 3rd PM

COUNTY LASALLE CORING METHOD ROTARY CME 75

STRUCT. NO. 050-0070 EXISTING
Station 79+05
BORING NO. 3 NORTH SIDE
Station 78+25
Offset 15.00R LT
Ground Surface Elev. 450.98 ft

DEPTH (ft)	DESCRIPTION	DEPTH (ft)	RECOVERED (%)	RECORDED (%)	CORE (%)	STRENGTH (psi)
450.98	SANDSTONE, Gray, Fine-grained, Interbedded 25" SHALE PARTINGS Qu SAMPLE MOISTURE = 7.5%	450.98	1	85	35	
468.78	CHANNEL DEPOSITS SHALE, Gray, with Thin Interbedded Fine-grained SILTSTONE Lenses, CHANNEL DEPOSITS	468.78				137.5
497.38	SHALE, Gray Qu SAMPLE MOISTURE = 11.7%	497.38				4.8
450.98	SANDSTONE to SILTSTONE, Gray, Fine-grained, Micaceous, Pyritic with Some Thin SHALE Lenses, Being More Shaley Below 4'	450.98	2	100	91	
	Qu SAMPLE MOISTURE = 7.6% = 9.1% = 9.1% = 7.8% = 5.7%					42.9
	CHANNEL DEPOSITS OF VERMILIONVILLE SANDSTONE CARBONIFEROUS FORMATION PENNSYLVANIAN SYSTEM					
			3	100	83	
						144.5
						197.2
			4	100	73	
						75.5
						141.0
435.98		435.98				

End of Boring
Color pictures of the cores _____
Cores will be stored for examination until _____
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
BBS, form 138 (Rev. 8-99)

DESIGNED - DEV
CHECKED - RJC
DRAWN - JHR
CHECKED - RJC

SOIL BORING LOG #3
IL. 170 F.A.P. 786 OVER
ILLINOIS RIVER AT SENECA
PUBLIC WATERS
LA SALLE COUNTY, SECTION 109 BR
STATION 79+04.42
STRUCTURE NO. 050-0246