

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



F.A.P. ROUTE NO.	SECTION	COUNTY	JOINT SHEETS	SHEET NO.
786	109 BR	La Salle	351	285
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 85  
89 SHEETS

Contract # 66607



SOIL BORING LOG

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ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY KW-IDOT  
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION SW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3<sup>rd</sup> PM  
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	BLOWS	UCS (psi)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (psi)
050-0070 EXISTING	79+05	4 SOUTHSIDE	82+47	17.00 RT	485.64				Surface Water Elev. 483.41 R Stream Bed Elev. _____ ft Groundwater Elev.: _____ ft First Encounter 478.6 ft Upon Completion WASHED ft After Hrs. _____			
						10			Dense Brown Mix of SILT, SAND, GRAVEL	25		21.0
						2			Brown Medium to Coarse SAND	12		
						3	0.4	24.0	Very Dense Brown Mix of SILT, SAND & GRAVEL including Pieces of SHALE & SANDSTONE	30		14.0
						4	B			30		
					481.14	1			Medium Gray & Brown SANDY LOAM	47		16.0
						2	0.6	20.0	TOP OF ROCK Dense Dark Gray SHALE	40		15.0
					479.14	2	B			40		
						3			Borehole continued with rock coring.			
						3						
						3						
						2						
						1						
						25						
						22		10.0				
						21						
					479.64	12		24.0	Medium Brown Fine to Coarse SAND			
						18						
						4						
						5		20.0				
						10						
					465.64	9						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrations)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-89)



ROCK CORE LOG

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ROUTE IL 170 DESCRIPTION PRELIMINARY BORING FOR NEW BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY KW-IDOT  
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION SW 1/4, SW 1/4, SEC. 25, TWP. 33N, RNG. 5E, 3<sup>rd</sup> PM  
COUNTY LASALLE CORING METHOD ROTARY CME 75

STRUCT. NO.	STATION	BORING NO.	STATION	OFFSET	GROUND SURFACE ELEV.	DEPTH (ft)	RECOVERY (%)	RECOVERY (%)	CORE DIAMETER (in)	REMARKS	DEPTH (ft)	REMARKS
050-0070 EXISTING	79+05	4 SOUTHSIDE	82+47	17.00 RT	485.64				2.1			
						10	100	93				
						25						
						457.14						4.0
						456.14						5.2
						455.84	2	100	67			572.7
						451.84						144.8
							3	100	53			112.5
						446.24						151.2
							4	100	50			60.5
						439.14						103.8

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-2836) BBS, form 138 (Rev. 8-98)

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

SOIL BORING LOG #4  
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