

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Contract # 66607



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

SOIL BORING LOG

Page 1 of 1

DATE 10/22/02  
ROUTE IL 170 DESCRIPTION BRIDGE OVER ILLINOIS RIVER AT SENECA LOGGED BY KW/DOJ  
SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4 SW 1/4 SEC. 25 TWP. 33N. RNG. SE. 3<sup>rd</sup> PM  
COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTOMATIC

STRUCT. NO.	DESCRIPTION	DEPTH	DRILLING METHOD	MOISTURE (%)	STRENGTH (tsf)	STRENGTH (tsf)	STRENGTH (tsf)	STRENGTH (tsf)
050-0070 EXISTING								
79+05								
3 NORTH SIDE								
78+25								
15.00R LT								
450.88								
AUGERED Brown SANDY LOAM with GRAVEL & CONCRETE DEBRIS								
485.88								
Very Silty Brown Mix of SAND, SILT & GRAVEL (LOAMY GRAVEL)								
486.48								
Very Dense Gray SILT, SAND & GRAVEL Potential COBBLE to BOULDER Size Material								
489.48								
Very Loose Brown Medium to Coarse SAND & Fine GRAVEL								
474.98								
Dense Brown Fine to Coarse SAND								

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)  
EBS, from 137 (Rev. 8-99)



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ROCK CORE LOG

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SECTION BRIDGE OVER ILLINOIS RIVER LOCATION NW 1/4 SW 1/4 SEC. 25 TWP. 33N. RNG. SE. 3<sup>rd</sup> PM  
COUNTY LASALLE CORING METHOD ROTARY CME 75

STRUCT. NO.	DESCRIPTION	DEPTH	CORING METHOD	MOISTURE (%)	STRENGTH (tsf)	STRENGTH (tsf)	STRENGTH (tsf)	STRENGTH (tsf)
050-0070 EXISTING								
78+05								
3 NORTH SIDE								
78+25								
15.00R LT								
450.88								
SANDSTONE, Gray, Fine-grained, Interbedded 25' SHALE PARTINGS								
Qu SAMPLE MOISTURE = 7.5%								
CHANNEL DEPOSITS								
SHALE, Gray, with Thin Interbedded Fine-grained SILTSTONE Lenses, CHANNEL DEPOSITS								
SHALE, Gray								
Qu SAMPLE MOISTURE = 11.7%								
SANDSTONE to SILTSTONE, Gray, Fine-grained, Micaceous, Pyritic with Some Thin SHALE Lenses, Being More Shaley Below 40'								
Qu SAMPLE MOISTURE = 7.6%								
CHANNEL DEPOSITS OF VERMILIONVILLE SANDSTONE CARBONIFEROUS SYSTEM PENNSYLVANIAN SYSTEM								

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)  
EBS, 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