

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

### SOIL BORING LOG

Page 3 of 3  
Date 4/14/04

ROUTE FAP 627(IL 71) DESCRIPTION East Pier LOGGED BY Larry Meyers

SECTION 1BR LOCATION IL 71 over Vermilion River, SEC. 24, TWP. 33N, RNG. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Exist. Prop.  
Station 26+61.5

BORING NO. 13  
Station 27+48  
Offset 7.00R Lt  
Ground Surface Elev. 486.60 ft

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE	REMARKS
7	Medium Brown Loamy Fine Sand/Coarse Gravel (continued)			
14			8.6	
12				
10				
10			8.5	
11				
402.10				
10	Dense Brown Fine Sand/Coarse Gravel		0.7	
12				
28				
21				
16			6.4	
18				
397.10				
15	Fractured Limestone & Gray Brown Weathered Shale			
395.90				
10	Borehole continued with rock coring.		11.0	
12				
-100				

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 T208)  
BBS, form 137 (Rev. 8-99)

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COUNTY LASALLE CORING METHOD

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Offset 7.00R Lt  
Ground Surface Elev. 486.60 ft

DEPTH (ft)	ROCK DESCRIPTION	DR	CR	QR	IR	TR	SR	REMARKS
395.90	Gray & Brownish Gray Reworted Shale with numerous Limestone pebbles	1	78	36				
395.90-394.60	Gray & Black Blocky Calcareous Claystone with some included Limestone pebbles							1.7
394.60	Gray & White slightly Argillaceous Limestone with Clay filled fractures							
393.20								325.4
392.70	Gray Blocky Calcareous Claystone							
392.70	Core Not Recovered							
-95								
390.90	Dark Gray Argillaceous Limestone	2	43	0				
390.40	Dark Gray & Black Shale							
390.00	Gray Blocky Reworted Shale or Claystone							
388.70	Core Not Recovered							
-100								
385.00	Highly Fractured Argillaceous Limestone with Clay filled fractures	3	94	22				
385.20	Gray & Red Brown Shale with Gray Fractured Limestone							
382.40	Core Not Recovered							
-105								
390.90	Gray with some Red Brown Claystone	4	100	89				
389.10	Red Brown Claystone							2.2
378.00	Buff & Gray Weathered & Argillaceous Limestone with Clay Filled Fractures							0.5
376.50	Gray & Red Brown Blocky Reworted Shale or Claystone with included Limestone							
375.90								

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

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DEPTH (ft)	ROCK DESCRIPTION	DR	CR	QR	IR	TR	SR	REMARKS
373.70	Gray & Red Brown Claystone or Blocky Reworted Shale with included small Limestone pebbles	5	100	73				2.6
372.60	Gray & Red Brown Claystone with pieces of Weathered & Cracked Limestone							
372.60	Gray Claystone with Weathered & Cracked pieces of Limestone							2.6
-115								
371.20	Hard Gray Shale	6	78	78				34.0
370.90	Hard Gray Shale with small Limestone nodules and Calcium Carbonate in cracks							
367.00	Core Not Recovered							59.9
-120								
365.90	End of Boring							
-130								

Color pictures of the cores \_\_\_\_\_ Yes \_\_\_\_\_  
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BBS, form 138 (Rev. 8-99)

SOIL BORING LOGS  
F.A.P. ROUTE 627 - SECTION (1)BR  
LASALLE COUNTY  
STATION 26+61.50  
STRUCTURE NO. 050-0242