

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 30 31 SHEETS
F.A.P. 627	(DBR)	LASALLE	69	47	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #66556

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

## ROCK BORING LOG

Page 1 of 2  
Date 4/5/04

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

SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RNG. 1E, 3rd PM

COUNTY LASALLE CORING METHOD

STRUCT. NO. 050-0242 Exist. CORING BARREL TYPE & SIZE 5' Double Barrel  
Station 26+61.5

BORING NO. 12 Core Diameter 2 in  
Station 26+16 Top of Rock Elev. 90.90 ft  
Offset 7.00ft L1 Begin Core Elev. 995.40 ft  
Ground Surface Elev. 486.30 ft

	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Gray Broken Argillaceous Limestone with Gray Calcareous Claystone & Clay	396.40	1	81	17	4.4	
Gray & Black Blocky Slightly Calcareous Claystone	392.30					
Core Not Recovered	391.50					
Gray, Brown & Red Blocky Reworked Shale or Claystone	390.40	2	71	0		
Core Not Recovered	388.80					
Dark Gray Blocky Claystone	385.40	3	78	50	7.8	
Brown & Gray Blocky Claystone with Limestone Pebbles	383.00					2.2 1.1 2.2
Light Gray Broken Argillaceous Limestone	382.00					
Core Not Recovered	381.50					
Light Gray Broken Argillaceous Limestone	380.40					
Dark Gray Calcareous Claystone	379.40	4	87	57	6.8	
Gray blk. Calcareous Claystone and pieces of Limestone	378.80					3.9
Light Gray Fractured Argillaceous Limestone with Gray Clay filled fractures	378.00					4.8
Core Not Recovered	376.10					
Core Not Recovered	375.40					

Color pictures of the cores  Yes  No  
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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Station 26+16 Top of Rock Elev. 90.90 ft  
Offset 7.00ft L1 Begin Core Elev. 995.40 ft  
Ground Surface Elev. 486.30 ft

	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Fractured Limestone and Clay	376.10	5	56	0		
Red Brown, Purple Brown & Gray Claystone, some included small Limestone pieces and thin crack veins of Calcium Carbonate	372.50					
Core Not Recovered	371.50					
Gray High Clay Content Shale	370.40	6	76	88		7.3 36.5
Core Not Recovered	366.60					69.2
Core Not Recovered	365.40					
End of Boring	365.40					

Color pictures of the cores  Yes  No  
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## SOIL BORING LOG

Page 1 of 3  
Date 4/14/04

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

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

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0029 Exist. DRILLING METHOD  
Station 26+61.5

BORING NO. 13  
Station 27+48  
Offset 7.00ft L1  
Ground Surface Elev. 486.80 ft

	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
4 3/4" Concrete Deck, 45' of Air, 13' of water, 2' of Silt and Sand (River Bottom)	427.90					
4 3/4" Concrete Deck, 45' of Air, 13' of water, 2' of Silt and Sand (River Bottom) (continued)	427.90					
Groundwater Elev.:						
First Encounter	Washed					
Upon Completion						
After	Hrs.					

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 T205) BBS, form 137 (Rev. 8-99)

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STRUCT. NO. 050-0029 Exist. DRILLING METHOD  
Station 26+61.5

BORING NO. 13  
Station 27+48  
Offset 7.00ft L1  
Ground Surface Elev. 486.80 ft

	(ft)	(#)	(%)	(%)	(min/ft)	(tsf)
Loose Brown/Black Fine Sand/Coarse Gravel	428.10	2				18.5
	427.90	2				
	427.90	4				5.5
	427.90	4				
Medium Brown Loamy Fine Sand/Coarse Gravel	422.10	4				9.0
	422.10	9				
	422.10	8				2.2
	422.10	15				
	422.10	70				2.3
	422.10	3				
	422.10	5				
	422.10	5				8.5
	422.10	7				
	422.10	10				10.3
	422.10	11				
	422.10	8				
	422.10	16				10.0
	422.10	13				
	422.10	80				

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 T205) BBS, form 137 (Rev. 8-99)

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