

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 627	(1)BR	LASALLE	69	43
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 26
31 SHEETS

Contract #66556

Illinois Department of Transportation
Division of Highways
District 3, Ottawa

ROCK BORING LOG

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Date 7/58

ROUTE FAP 627(ILL 71) DESCRIPTION Structure over Vermilion River near Jonesville LOGGED BY Gordon Benson

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

COUNTY LASALLE DRILLING METHOD CORING METHOD

STRUCT. NO. 050-0242 Prop. CORING BARREL TYPE & SIZE 5' Double Barrel
Station 26+60

BORING NO. 4 Core Diameter 2 in
Station 22+58 Top of Rock Elev. 67.70 ft
Offset 0.00ft Begin Core Elev. 372.90 ft

Ground Surface Elev. 463.60 ft

DESCRIPTION	DEPTH (ft)	PERCENT (%)	MINI (ft)	TEST
Gray & Brownish Gray Reworked Shale with numerous Limestone pebbles	372.90	1	78	36
Gray & Black Blocky Calcareous Claystone with some included Limestone pebbles	372.90-371.60			1.7
Gray & White slightly Argillaceous Limestone with Clay filled fractures	370.20			325.4
Gray Blocky Calcareous Claystone	369.70			
Core Not Recovered	-95			
Dark Gray Argillaceous Limestone	367.90	2	43	0
Dark Gray & Black Shale	367.40			
Gray Blocky Reworked Shale or Claystone	367.00			
Core Not Recovered	365.70			
Highly Fractured Argillaceous Limestone with Clay filled fractures	362.90	3	94	22
Gray & Red Brown Shale with Gray Fractured Limestone	362.20			
Core Not Recovered	359.40			
Gray with some Red Brown Claystone	357.90	4	100	69
Red Brown Claystone	357.10			2.2
Buff & Gray Weathered & Argillaceous Limestone with Clay Filled Fractures	355.00			0.5
Gray & Red Brown Blocky Reworked Shale or Claystone with included Limestone pebbles	353.50-352.90			

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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COUNTY LASALLE DRILLING METHOD CORING METHOD

STRUCT. NO. 050-0242 Prop. CORING BARREL TYPE & SIZE 5' Double Barrel
Station 25+60

BORING NO. 4 Core Diameter 2 in
Station 22+58 Top of Rock Elev. 67.70 ft
Offset 0.00ft Begin Core Elev. 372.90 ft

Ground Surface Elev. 463.60 ft

DESCRIPTION	DEPTH (ft)	PERCENT (%)	MINI (ft)	TEST
pebbles	350.70	5	100	73
Gray & Red Brown Claystone or Blocky Reworked Shale with included small Limestone pebbles	349.60			2.6
Gray & Red Brown Claystone with pieces of Weathered & Cracked Limestone	349.60			2.6
Gray Claystone with Weathered & Cracked pieces of Limestone	348.20			
Hard Gray Shale	347.90	6	78	78
Hard Gray Shale with small Limestone nodules and Calcium Carbonate in cracks	344.00			59.9
Core Not Recovered	-120			
End of Boring	342.90			

Color pictures of the cores Yes
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SECTION 1BR LOCATION SW 14, SEC. 24, TWP. 33N, RANG. 1E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0242 Prop. Station 25+60

BORING NO. 5 Station 26+58
Offset 0.00ft
Ground Surface Elev. 437.10 ft

DEPTH (ft)	DESCRIPTION	TEST
0	Surface Water Elev. _____ ft	
0	Stream Bed Elev. _____ ft	
0	Groundwater Elev.: _____ ft	
0	First Encounter Upon Completion _____ ft	
0	After _____ Hrs. _____ ft	
15	Medium brown well graded Sand	63
22	Medium brown well graded Sand and Gravel	74
27	Medium brown well graded Sand and Gravel	88
35	End of Boring	402.50
40	Very dense brown subangular poorly graded Gravel	

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