F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	80
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. H20
OF 26 SHEETS

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

SOIL BORING LOG

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Date 2/1/01

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER BOX CULVERT AT HENNEPIN CANYON LOGGED BY B.S

SECTION (M)W&RS,(I-1,D)R,W,&RS STARVED ROCK PARK LOCATION SE 1/4, SEC. 23, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO. 050-2002 EXISTING
Station 465+26

BORING NO. 01 CULVERT 13 WBL
Station 465+49
Offset 6.00ft LT
Ground Surface Elev. 561.04 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
BITUMINOUS CONCRETE Over CONCRETE	558.54				
AUGER SAMPLE Black LOAM	556.04	-5			
Medium Black/Brown LOAM TILL (FILL)	554.04		3 3 4	0.9 B	21.0
Stiff Brown LOAM TILL (FILL) at 9.5' Hit Possible Limestone Backfill	551.54	-10	2 9 12	1.3 P	24.0
Brown LOAM TILL over LIMESTONE AND WEATHERED SANDSTONE	546.54	-15	7 4 7 4 5 4	- - - -	13.0 -
Stiff Brown SANDY LOAM TILL	544.04	-20	4 4 55	1.5 P	19.0
Medium Gray/Brown SILTY CLAY TILL			4 4 3	0.9 B	25.0
Medium Gray/Brown SILTY CLAY TILL *(continued)*	540.04	-25	2 2 115/3"	1.0 P	19.0
Dense ST. PETER SANDSTONE	537.04		150/1"		
Borehole continued with rock coring.		-25			
		-30			
		-35			
		-40			

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)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 1 of 1

Date 2/1/01

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER BOX CULVERT AT HENNEPIN CANYON LOGGED BY B.S

SECTION (M)W&RS,(I-1,D)R,W,&RS STARVED ROCK PARK LOCATION SE 1/4, SEC. 23, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE CORING METHOD

STRUCT. NO. 050-2002 EXISTING
Station 465+26

CORING BARREL TYPE & SIZE 5' DOUBLE BARREL

Core Diameter 2.1 in
Top of Rock Elev. 540.04 ft
Begin Core Elev. 537.04 ft

BORING NO. 01 CULVERT 13 WBL
Station 465+49
Offset 6.00ft LT
Ground Surface Elev. 561.04 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
ST. PETER SANDSTONE, Light Gray to White, Poorly Cemented to Highly Cemented (RUN 2), VERY ABRASIVE Qu Moisture Sample Run 1 = 5.4% Qu Moisture Sample Run 2 = 6.9%	537.04	-25	1	97	83		63.2
		-30	2	83	48		158.1
	527.04						
End of Boring		-35					
		-40					

Color pictures of the cores YES
Cores will be stored for examination until 2003
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

DESIGNED BY	Farnsworth GROUP	FILE NO.
J.M.L.	2700 McGraw Drive	24-6772
DRAWN BY	Bloomington, Illinois 61704	DATE
D.J.M.	309/663-8638, 309/663-5719fax	05-12-06
CHECKED BY		SHEET NO.
M.S.W.		80 of 106

SOIL BORING/ROCK CORE LOGS
IL ROUTE 71
OVER TRIBUTARY TO ILLINOIS RIVER
F.A.P. ROUTE 627 - SEC. (I-1) BR & I
LA SALLE COUNTY
STATION 465+35.39
STRUCTURE NO. 050-0239