


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	82
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. H22

OF 26 SHEETS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

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Date 2/5/01

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER BOX CULVERT AT HENNEPIN CANYON LOGGED BY B.S.
(M)W&RS,(I-1,D)R,W,&RS
SECTION STARVED ROCK PARK LOCATION SE 1/4, SEC. 23, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE CORING METHOD _____

STRUCT. NO.	CORING BARREL TYPE & SIZE	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
NO. <u>050-2002 EXISTING</u> Station <u>465+26</u>	Core Diameter _____ in Top of Rock Elev. _____ ft Begin Core Elev. <u>537.99</u> ft						
BORING NO. <u>03 CULVERT 13 EBL</u> Station <u>465+05</u> Offset <u>7.00R RT</u> Ground Surface Elev. <u>561.99</u> ft							
Stiff Black/Dark Brown SILTY CLAY TILL with COAL Fragments (continued)							
		539.99					
Dense ST. PETER SANDSTONE							
		537.99					
ST. PETER SANDSTONE, Whitish to Yellow Brown, Iron Stained, Case Hardened, Poorly to Highly Cemented, Very Abrasive		-25	1	99	96		133.0
Qu Moisture Run 1 = 4.1%							
Qu Moisture Run 2 = 6.6%							
Qu Moisture Run 3 = 3.7%							
		-30	2	48	27		58.0
		-35	3	50	17		137.0
End of Boring		522.99					

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)
BBS, form 138 (Rev. 8-99)



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

SOIL BORING LOG

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Date 2/15/01

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER BOX CULVERT AT HENNEPIN CANYON LOGGED BY B.S.
(M)W&RS,(I-1,D)R,W,&RS
SECTION 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.	DEPTH (ft)	BLOW COUNT	UCS	MOISTURE	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	DEPTH (ft)	BLOW COUNT	UCS	MOISTURE
NO. <u>050-2002 EXISTING</u> Station <u>465+26</u>														
BORING NO. <u>04 CULVERT 13 EBL</u> Station <u>465+52</u> Offset <u>6.00R RT</u> Ground Surface Elev. <u>561.70</u> ft														
NO SAMPLES. BORING IS FOR ELEVATION OF TOP OF BEDROCK ONLY														
NO SAMPLES. BORING IS FOR ELEVATION OF TOP OF BEDROCK ONLY (continued)						540.20								
TOP OF SANDSTONE End of Boring														

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, form 137 (Rev. 8-99)

DESIGNED BY <u>J.M.L.</u>	 Farnsworth GROUP 2700 McGraw Drive Woodstock, Illinois 61704 815/958-3435, 815/958-1971 fax	FILE NO. <u>24-6772</u>
DRAWN BY <u>D.J.M.</u>		DATE <u>05-12-06</u>
CHECKED BY <u>M.S.W.</u>		SHEET NO. <u>82</u> of <u>106</u>

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