CONTRACT NO. 66372

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	(I-1) BR & I	LA SALLE	106	81
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET NO. H21

OF 26 SHEETS

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

SOIL BORING 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.

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. 02 CULVERT 13 WBL
Station 465+01
Offset 7.50ft LT
Ground Surface Elev. 561.15 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion NONE ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
AUGER SAMPLE Brown LOAM TILL (FILL)				
	556.15 -5			
Stiff Brown LOAM TILL and Red-Gray CLAY (FILL)		5		
		2	2.0	20.0
		2	P	
		6		
		2	1.5	21.0
		4	P	
	-10			
		6		
		2	2.0	16.0
		4	P	
	549.15			
Medium Brown LOAM TILL ROCK IN TUBE @ 12.5 TO 14.0' NO RECOVERY @ 15.0 TO 16.5'		23		
		49	-	-
		11	-	
	-15			
		7		
		3	-	-
		4	-	
		3		
		3	0.7	21.0
		3	B	
	541.65			
	-20			
Stiff Gray/Brown SILTY CLAY TILL with Wood @ 21 to 21.5' *(continued)*		2		
		7	1.1	27.0
		10	B	
	539.15			
Dense ST. PETER SANDSTONE		100/1"		
			-	3.0
			-	
	536.05 -25			
End of Boring		100/1"	-	4.0
	-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
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 2/5/01

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. 03 CULVERT 13 EBL
Station 465+05
Offset 7.00ft RT
Ground Surface Elev. 561.99 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion NONE ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY				
	556.99 -5			
Very Stiff Red/Gray/Brown SHALE & LOAM (FILL)		6		
		5	2.5	16.0
		4	P	
		6		
		3	3.5	18.0
		4	P	
	552.49			
Very Stiff Dark Brown SILTY CLAY TILL	-10	2		
		3	2.5	23.0
		3	P	
		3		
		3	1.8	21.0
		5	P	
	547.49			
Very Stiff Black/Brown LOAM TILL	-15	5		
		3	2.3	25.0
		3	P	
	544.99			
Very Stiff Black/Brown/Gray SILTY CLAY TILL with COAL Fragments		3		
		4	2.3	27.0
		3	P	
	542.49			
	-20			
Stiff Black/Dark Brown SILTY CLAY TILL with COAL Fragments *(continued)*		2		
		4	1.9	34.0
		5	B	
	539.99			
Dense ST. PETER SANDSTONE		100/1"		
	537.99		-	2.0
			-	
ST. PETER SANDSTONE, Whitish to Yellow Brown, Iron Stained, Case Hardened, Poorly to Highly Cemented, Very Abrasive	-25			
Qu Moisture Run 1 = 4.1%				
Qu Moisture Run 2 = 6.6%				
Qu Moisture Run 3 = 3.7%				
	-30			
	-35			
	522.99			
End of Boring	-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)

DESIGNED BY	Farnsworth GROUP	FILE NO.
J.M.L.	2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435, 309/663-1571 fax	24-6772
DRAWN BY		DATE
D.J.M.		05-12-06
CHECKED BY		SHEET NO.
M.S.W.		81 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