

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 627	IBR	LaSALLE	46	32

ILLINOIS
CONTRACT NO. 66364
Sheet 18 of 20



SOIL BORING LOG

Page 1 of 1

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER ARMSTRONG BROOK NEAR THE EAST ENTRANCE TO STARVED ROCK PARK LOGGED BY K.W.
Date 11/1/01

SECTION I-BR LOCATION SE 1/4, SEC. 24, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0142 SURFACE WATER Elev. 458.70 ft
Station 14+08 Stream Bed Elev. _____ ft
BORING NO. 1 EAST ABUT. GROUNDWATER Elev.:
Station 14+32 First Encounter _____ ft
Offset 15.60N LT Upon Completion _____ ft
Ground Surface Elev. 488.73 ft After _____ Hrs. _____ ft

DEPTH (ft)	BLOWS (10')	UCS (tsf)	MOISTURE (%)	DESCRIPTION
0				AUGERED SHOULDER STONE Over Brown SILTY CLAY LOAM
1	1			Medium to Stiff Brown SILTY CLAY LOAM with GRAVEL
2	2	1.0	16.2	
3	2	P		
4				Very Soft Brown LOAM with GRAVEL
5		WOH		
6		WOH 0.2	12.9	
7		P		
8				Loose Saturated & Weathered White Rounded SAND (ST. PETER SANDSTONE)
9	1		15.0	
10	2			
11	3			
12				
13	1			
14	2		15.2	
15	3			
16		WOH		
17		WOH 17.5		
18		P		
19				TOP of Dense White ST. PETER SANDSTONE ANCELL GROUP ORDOVICIAN SYSTEM
20	100/		18.5	
21	4'			
22				
23				
24				
25				
26				
27				
28				
29				
30				Borehole continued with rock coring

Color pictures of the cores Yes
Cores will be stored for examination until 2004
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 137 (Rev. 8-99)

DESIGNED	P.S.L.
CHECKED	A.R.K. & F.J.S.
DRAWN	K.T.R.
CHECKED	P.S.L. & A.R.K.



ROCK CORE LOG

Page 1 of 2

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER ARMSTRONG BROOK NEAR THE EAST ENTRANCE TO STARVED ROCK PARK LOGGED BY K.W.
Date 11/1/01

SECTION I-BR LOCATION SE 1/4, SEC. 24, TWP. 33N, RNG. 2E, 3rd PM

COUNTY LASALLE CORING METHOD _____

STRUCT. NO. 050-0142 CORING BARREL TYPE & SIZE 5' DOUBLE BARREL
Station 14+08
BORING NO. 1 EAST ABUT. Core Diameter 2.1 in
Station 14+32 Top of Rock Elev. 452.23 ft
Offset 15.60N LT Begin Core Elev. 447.23 ft
Ground Surface Elev. 488.73 ft

DEPTH (ft)	RECOVERY (%)	Q (%)	R (%)	STRENGTH (tsf)	DESCRIPTION
0					ST. PETER SANDSTONE, Light Gray to White, Firmly to Poorly Cemented, Very Abrasive
1	96	81		37.1	
2					Low RQD's & Recovery are due to poorly cemented sandstone washing out during coring, or falling out during removal of the core barrel; especially Run 3 where only 5' highly cemented sandstone was recovered in the run.
3				89.9	
4					Qu MOISTURE CONTENTS FOR RUN 1 = 7.6% & 7.3%
5					Qu MOISTURE CONTENT FOR RUN 3 = 6.4%
6					Qu MOISTURE CONTENT FOR RUN 4 = 10.4%
7					Qu MOISTURE CONTENT FOR RUN 5 = 4.4%
8	72	0			
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					
101					
102					
103					
104					
105					
106					
107					
108					
109					
110					
111					
112					
113					
114					
115					
116					
117					
118					
119					
120					
121					
122					
123					
124					
125					
126					
127					
128					
129					
130					
131					
132					
133					
134					
135					
136					
137					
138					
139					
140					
141					
142					
143					
144					
145					
146					
147					
148					
149					
150					
151					
152					
153					
154					
155					
156					
157					
158					
159					
160					
161					
162					
163					
164					
165					
166					
167					
168					
169					
170					
171					
172					
173					
174					
175					
176					
177					
178					
179					
180					
181					
182					
183					
184					
185					
186					
187					
188					
189					
190					
191					
192					
193					
194					
195					
196					
197					
198					
199					
200					
201					
202					
203					
204					
205					
206					
207					
208					
209					
210					
211					
212					
213					
214					
215					
216					
217					
218					
219					
220					
221					
222					
223					
224					
225					