



Illinois Department of Transportation
Division of Highways
Geotechnology

ROCK CORE LOG

Page 1 of 1

Date 10/31/00

ROUTE FAI 64 DESCRIPTION Trilevel Interchange DRILLED BY SWC

SECTION 082-2-1HB LOCATION SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair CORING METHOD Wireline

STRUCT. NO. 082-0378 CORING BARREL TYPE & SIZE NX 12.985 in.
Station NA Core Diameter 2 in
BORING NO. B-19 Core Top of Rock Elev. 298.50 ft
Station 19+12 Begin Core Elev. 298.50 ft
Offset 58.00ft Left
Ground Surface Elev. 419.50 ft

DEPTH (ft)	DEPTH (m)	RECOVER (%)	ROD (%)	CORE DIAMETER (in)	STRENGTH (tsf)
1	0.30	100	97	2.8	
2	0.61	100	100	4	
3	0.91	100	89	4	
End of Boring	288.50				

Color pictures of the cores Yes
Cores will be stored for examination until September 1, 2002
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
Geotechnology

SHELBY TUBE TEST RESULTS

Page 1 of 2

Date 11/2/00

ROUTE FAI 64 DESCRIPTION Trilevel Interchange DRILLED BY KB

SECTION 082-2-1HB LOCATION SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair STRUCT. NO. 082-0378 Station NA

BORING NO. B-19 ST
Station 19+12 Ground Surface Elev. 419.50 ft Tube Length 24 in
Offset 58.00ft Left Begin Sampling Depth 0 ft Tube Diameter 3 in

DEPTH (ft)	DEPTH (m)	UNIT WEIGHT (pcf)	STRENGTH (tsf)	TEST TYPE
1-1	0.30	67		
1-2	0.61	100		
1-3	0.91	131	1.3	17
1-4	1.22	128	1.6	17
2-1	1.52	50		
2-2	1.83	100		
2-3	2.13	128	2.4	33
2-4	2.44	124	0.7	33
3-1	2.74	100		
3-2	3.05	33		
4-1	3.35	67		
4-2	3.66	115	1.2	30
4-3	3.96	116		29
5-1	4.27	100		
5-2	4.57	100		
5-3	4.88	115	0.7	29
6-1	5.18	100		
6-2	5.49	113	0.9	33
7-1	5.79	17		
7-2	6.10	100		

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample
The "Strength" column represents the "unconfined compressive" strength of the sample (AASHTO T 208)
The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used
BMPR FORM 1004A (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Geotechnology

SHELBY TUBE TEST RESULTS

Page 2 of 2

Date 11/2/00

ROUTE FAI 64 DESCRIPTION Trilevel Interchange DRILLED BY KB

SECTION 082-2-1HB LOCATION SEC. 7, TWP. 2N, RNG. 9W

COUNTY St. Clair STRUCT. NO. 082-0378 Station NA

BORING NO. B-19 ST
Station 19+12 Ground Surface Elev. 419.50 ft Tube Length 24 in
Offset 58.00ft Left Begin Sampling Depth 0 ft Tube Diameter 3 in

DEPTH (ft)	DEPTH (m)	UNIT WEIGHT (pcf)	STRENGTH (tsf)	TEST TYPE		
7-3	6.40	100	115	33		
7-4	6.71	100	111	0.5	27	
8-1	7.01	67				
9-1	7.32	100	115	34	0.1	30
9-2	7.62	100				
9-3	7.93	100				
9-4	8.23	100				
10-1	8.54	33				
10-2	8.84	100				
10-3	9.15	116	0.6	31		
10-4	9.45	100				
11-1	9.76	100				
12-1	10.06	100				

The "Unit Weight" column indicates the "wet" or "moist" unit weight of the sample
The "Strength" column represents the "unconfined compressive" strength of the sample (AASHTO T 208)
The "Test Type" indicates if Unconsolidated Undrained (UU) or Consolidated Undrained (CU) test procedures (AASHTO T 296 or T 297) were used
BMPR FORM 1004A (Rev. 8-99)

FILE NAME -	USER NAME = \$USER\$	DESIGNED - JXH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS - IV EXCHANGE AVENUE OVER I-55 /70 (S.N. 082-0378)	F.A.I. RTE. 70	SECTION 82-1-1HB	COUNTY ST. CLAIR	TOTAL SHEETS 236	SHEET NO. 196		
\$FILES\$	PLOT SCALE = \$SCALE\$	DRAWN - JHR	REVISED -			SCALE:	SHEET NO. S-37 OF S-37 SHEETS: STA. TO STA.	CONTRACT NO. 76C55				
	PLOT DATE = \$DATE\$	CHECKED - CHY	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						
		DATE - 10-09-09	REVISED -									