


ROCK CORE LOG: B-427 CORE (Page 1 of 2)


Illinois Department of Transportation
 Division of Highways
 Geotechnology, Inc.

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ROCK CORE LOG

Date 6/9/11

ROUTE FAP 998 DESCRIPTION Trilevel Interchange LOGGED BY LAH

SECTION 82-1 LOCATION East St. Louis, IL, SEC. 18, TWP. 2N, RNG. 9W


COUNTY St. Clair CORING METHOD Wireline

STRUCT. NO. <u>082-0322</u>	CORING BARREL TYPE & SIZE <u>NX</u>	DEPTH	CORRECTION	RECOVERY	R.Q.	CORE TIME	STRENGTH
Station <u>NA</u>							
BORING NO. <u>B-427 Core</u>	Core Diameter <u>2</u> in	(ft)	(%)	(%)	(%)	(min/ft)	(tsf)
Station <u>67+70</u>	Top of Rock Elev. <u>299.4</u> ft						
Offset <u>6ft Right</u>	Begin Core Elev. <u>289.4</u> ft						
Ground Surface Elev. <u>384.4</u> ft							

Hard, gray, very finely crystalline, massive, slightly weathered to fresh, LIMESTONE	1	100	100	2	1183.0
moderately weathered stylolite - 0.5"					
	2	100	100	2	2181.0
Moderately hard, gray, very finely crystalline, massive, slightly weathered, argillaceous LIMESTONE					
soft, blue, clayey shale seam - 1.25"	3	100	76	1.8	
soft, blue, clayey shale seam - 0.75"					
Moderately hard, gray, very finely crystalline, massive, slightly weathered to fresh, LIMESTONE					1131.0
	4	100	100	1.7	
Moderately hard, gray, very finely crystalline, thick bedded, slightly weathered, argillaceous LIMESTONE					
Moderately hard, gray, very finely crystalline to micritic, massive, fresh, LIMESTONE					370.0

Color pictures of the cores Yes
 Cores will be stored for examination until 12-10-11
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)

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Offset <u>6ft Right</u>	Begin Core Elev. <u>289.4</u> ft						
Ground Surface Elev. <u>384.4</u> ft							

Moderately hard, gray, very finely crystalline to micritic, massive, fresh, LIMESTONE (continued) argillaceous bands	5	100	94	1.8	1042.0
argillaceous bands argillaceous marbling					
	6	100	100	1.6	611.0
End of boring					

Color pictures of the cores Yes
 Cores will be stored for examination until 12-10-11
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
 BBS, form 138 (Rev. 8-99)

K:\projects\630046508\082-0322 & 0324 - drawings\76c76-master\cadd\sheet\082-0322-sheet1.dwg



USER NAME =	DESIGNED - P.J.L.	REVISED -
PLOT SCALE = 8x2 1/2" / IN.	DRAWN - BRD	REVISED -
PLOT DATE = 6/27/2011	CHECKED - DDB	REVISED -
	DATE - 07-01-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS XLV
I-70E OVER I-55, CSX & KCS RAILROADS**

SCALE: SHEET 5-234 OF 5-234 SHEETS STA. TO STA.

F.A.I. RTE. <u>70</u>	SECTION <u>82-1-B-2</u>	COUNTY <u>ST. CLAIR</u>	TOTAL SHEETS <u>399</u>	SHEET NO. <u>361</u>
S.N. <u>082-0322 & S.N. 082-0324</u>		CONTRACT NO. <u>76C76</u>		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		