



Illinois Department of Transportation
Division of Highways
SCI Engineering, Inc.

ROCK CORE LOG

Page 1 of 2

Date 1/16-17/2013

ROUTE F.A.P. 626 DESCRIPTION Illinois 97 over Spoon River, Proposed Pier 6 LOGGED BY SCI (HHF)

SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4th PM
Northing Easting

COUNTY Knox CORING METHOD Wire Line

STRUCT. NO. 048-0100 (Proposed) CORING BARREL TYPE & SIZE Split Barrel, NX
Station 1969+15.00
BORING NO. B-107 Core Diameter 2 in
Station 1972+96 Top of Rock Elev. 521.4 ft
Offset 15.0 ft LT Begin Core Elev. 515.4 ft
Ground Surface Elev. 559.4 ft

DEPTH (ft)	COVER (%)	RECOVERY (%)	Q (%)	TI (min/ft)	REMARKS	STRENGTH (tsf)	MOISTURE (%)
515.4	100	83	0.7		INTERBEDDED SANDSTONE AND SHALE: Banded light and dark gray, moderately hard, slightly weathered, trace fossils		
49.0						6.9	
510.4	2	100	46	0.8	SHALE: Dark gray, moderately soft, slightly weathered, fossiliferous	24.0	9
509.4					COAL: Black, bituminous to anthracite		
507.9					SHALE with ARGILLACEOUS SANDSTONE: Light gray, moderately soft, moderately weathered		
505.9	3	100	50	0.3	INTERMIXED ARGILLACEOUS SANDSTONE AND SHALE: Light gray, moderately hard to hard, moderately to slightly weathered, rare coal stringer	59.1	5.9
503.1	4	100	92	0.5	SHALE: Black, moderately soft, moderately weathered		
	5	94	96	0.8	1/4 inch clayey shale seam	21.8	8.0
					1/2 inch clayey shale seam		
	6	100	88	0.8	1/2 inch clayey shale seam		

Color pictures of the cores Yes
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)



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DEPTH (ft)	COVER (%)	RECOVERY (%)	Q (%)	TI (min/ft)	REMARKS	STRENGTH (tsf)	MOISTURE (%)
494.8					SHALE: Black, moderately soft, moderately weathered (continued)		
					Boring terminated at 64.5 ft.		

Color pictures of the cores Yes
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)



USER NAME =	DESIGNED -	REVISED
PLOT SCALE =	DRAWN -	REVISED
PLOT DATE =	CHECKED -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 048-0100
SHEET NO. 57 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	87
CONTRACT NO. 68759				

ILLINOIS FED. AID PROJECT