



ROCK CORE LOG

Date 5/22-23/2013

ROUTE FAP 626 DESCRIPTION Illinois 97 over Spoon River, Proposed Pier 5 LOGGED BY SCI (HHF)
 SECTION (44-B-1)BR LOCATION NW 1/4, SEC. 10, TWP. 9N, RNG. 3E, 4th PM,
 COUNTY Knox CORING METHOD Wire Line

STRUCT. NO.	STATION	CORING BARREL TYPE & SIZE	DEPTH (ft)	RECOVERY (%)	RECOVERED (ft)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)
048-0100 (Proposed)	1969+15.00	Solid Barrel, NX						
BORING NO. B-106X	Station 1970+45	Core Diameter 2 in						
	Offset 45.0 ft RT	Top of Rock Elev. 513.1 ft						
	Ground Surface Elev. 559.4 ft	Begin Core Elev. 513.1 ft						
SHALEY CLAY: Gray			513.1	1	100	8	3.5	
CLAYEY SHALE: Gray			512.8					
SANDSTONE: Black and light gray, banded, fine grained, moderately hard, slightly weathered			512.4					10
2.5 inch shale layer			510.7					
3 inch shale layer								
COAL: Black, bituminous to anthracite			-50					
ARGILLACEOUS SANDSTONE: Light gray, fine grained, moderately hard, slightly to moderately weathered			508.3					
2 inch shale layer				2	99	40	4.3	20.2
3.5 inch shale layer								5
0.5 inch shale seam								
23 inch near vertical joint - open			-85					7
CLAYEY SHALE: Dark gray			502.4					16
SHALE: Dark gray, moderately soft			500.5					12
NOTE: Core from run 3 swelled in the barrel and was disturbed during removal				3	74	8	5.6	8
CLAYEY SHALE: Light gray			495.1					13

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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CLAYEY SHALE: Light gray (continued)								1.5
4.5 inch shale layer								14
2.5 inch sandstone layer								
Becomes dark gray			-70					
SHALE: Gray, moderately hard			484.4	4	100	18	6.2	14
SHALE: Gray, moderately hard								8
SHALE: Gray, moderately hard								5
SHALE: Gray, moderately hard								9
1.5 inch clayey shale seam				5	98	25	6	11
CLAYEY SHALE: Light gray to dark gray								8
5 inch coal layer at 85.9 ft			474.4	6	100	12	3.2	38.4
Boring terminated at 86.3 ft.			473.1					15

Color pictures of the cores Yes
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USER NAME =	DESIGNED -	REVISED
	CHECKED -	REVISED
PLOT SCALE =	DRAWN -	REVISED
PLOT DATE =	CHECKED -	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
 STRUCTURE NO. 048-0100
 SHEET NO. 60 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	90
CONTRACT NO. 68759				
ILLINOIS FED. AID PROJECT				