



ROCK CORE LOG

Date 5/20-22/2013

ROUTE FAP 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,
 COUNTY Knox CORING METHOD Wire Line

STRUCT. NO.	STATION	CORING BARREL TYPE & SIZE	DEPTH (ft)	RECOVERY (%)	RECOVERED Q (%)	CORE TIME (min/ft)	STRENGTH (tsf)	MOISTURE (%)
048-0100 (Proposed)	1969+15.00	Solid Barrel, NX						
BORING NO. B-107X	Station 1972+72	Core Diameter 2 in						
	Offset 15.0 ft RT	Top of Rock Elev. 514.7 ft						
	Ground Surface Elev. 559.4 ft							
SANDSTONE: Black and light gray, banded, fine grained, moderately hard, slightly weathered			514.7	1	100	14	4.1	
SHALE: Dark gray, moderately soft, with thin shaley clay seams			512.3	2	93	42	4.7	
COAL: Black, bituminous to anthracite			508.9					
ARGILLACEOUS SANDSTONE: Light gray, fine grained, moderately hard, slightly weathered, with shale seams			507.8					
0.5 inch clay seam								
0.3 inch clay seam								
SHALE: Dark gray, moderately hard			502.4	3	98	15	4.6	
COAL: Black, bituminous to anthracite			495.6					
SHALE: Light gray, moderately hard			494.7					

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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BORING NO. B-107X	Station 1972+72	Core Diameter 2 in						
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	Ground Surface Elev. 559.4 ft							
CLAYEY SHALE: Light gray, soft								
Becomes moderately hard			492.4					
ARGILLACEOUS SANDSTONE: Light gray, fine grained, moderately hard, moderately weathered			488.7	4	62	21	6.9	
S-SHALEY CLAY: Gray			487.9					
ARGILLACEOUS SANDSTONE: Light gray, fine grained, moderately hard, moderately weathered			487.2					
S-SHALEY CLAY: Gray								
CLAYEY SHALE: Dark gray, moderately soft			483.6					1.8
SILTSTONE: Dark gray, moderately soft, slightly to moderately weathered			482.2	5	100	37	3.6	
0.5 inch clay seam								
Becomes laminated with fine sandstone stringers								
SANDSTONE: Light gray, fine grained, moderately hard, slightly weathered			478.3					
S-SHALE: Dark gray, moderately hard			477.4					
			474.7					

Boring terminated at 84.7 ft.
 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. 62 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	92
CONTRACT NO. 68759				