STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 7/13/07

ROUTE FAU 6578 (Airport Rd) DESCRIPTION Airport Rd over Kickapoo Cr Trib & UPRR LOGGED BY JAR

SECTION (1-VC)BR LOCATION , SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 072-0201(prop)
Station 45+42

BORING NO. 4 (S,PIER)
Station 44+72
Offset 0.00ft (on CL)
Ground Surface Elev. 485.40 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 468.9 ft ▼
Upon Completion WASHED ft
After 24 Hrs. 482.4 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dk. Brown/Brown/Gray CLAY LOAM		2		
		5	2.8	19
	▽	3	P	
		2		
	-5	17	3.0	21
		6	P	
478.90				
Gray/Brown sandstone & limestone GRAVELS		11		
		1		9
		2		
476.40				
Brown & Gray LOAM w/ some gravels		1		
	-10	3	2.0	25
		2	P	
		2		
		2	1.3	32
		2	P	
		2		
	-15	2	1.8	24
		3	B	
	▼			
		2		
		3	1.1	30
		3	B	
		1		
	-20	2	1.3	24

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown & Gray LOAM w/ some gravels (continued)		2	P	
463.90				
Gray SHALEY CLAY		2		
		4		13
		31		
461.40				
Gray SHALE		22		
	-25	100/06"		13
Borehole continued with rock coring.				
	-30			
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

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Date 7/13/07

ROUTE FAU 6578 (Airport Rd) DESCRIPTION Airport Rd over Kickapoo Cr Trib & UPRR LOGGED BY JAR

SECTION (1-VC)BR LOCATION , SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Peoria CORING METHOD

STRUCT. NO. 072-0201(prop)
Station 45+42

BORING NO. 4 (S,PIER)
Station 44+72
Offset 0.00ft (on CL)
Ground Surface Elev. 485.40 ft

CORING BARREL TYPE & SIZE NWD4 x 5' Dual tube
Core Diameter 2.1 in
Top of Rock Elev. 461.40 ft
Begin Core Elev. 460.40 ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	RQD (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray SHALE (continued)		1	94	63		
8.8% M						19.3
Geomechanics Class of Rock Mass(GCRM)= 35. Poor Rock						
7.2% M						70.3
7.6% M						25.9
6.7% M						103.6
limestone seams/fragments @ 28.6' & 29.5' 6.2% M						75.5
7.1% M 455.41	-30					54.9
GCRM= 49, Fair Rock 7.2% M		2	100	90		41.9
7.3% M						45.4
6.4% M						42.8
6.4% M						18.7
6.1% M						50.4
5.8% M						103.1
6.5% M						43.4
450.40	-35					
GCRM= 55, Fair Rock 6.0% M		3	97	97		136.9
6.4% M						51.5
6.6% M						34.6
6.5% M						62.7
6.5% M						47.5
5.8% M						104.6
6.2% M						119.7
6.2% M						129.4
6.0% M 445.40	-40					152.7
End of Boring						
	-45					

Color pictures of the cores Yes
Cores will be stored for examination until Construction complete
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

BORING LOGS
AIRPORT ROAD OVER U.P.R.R.
AND KICKAPOO CREEK TRIBUTARY
STATION 45+42.00

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL

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SHEET NO. 30 OF 33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6578	(1-R)RS(1-VC)BR	PEORIA	142	91
STRUCTURE NO. 072-0201		CONTRACT NO. 68092		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

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