STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 3

Date 7/12/07

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) CORING BARREL TYPE & SIZE NWD4 x 5' Dual tube

Station 45+42

Core Diameter 2.1 in

BORING NO. 3 (N.PIER) Top of Rock Elev. 458.24 ft

Station 46+31 Begin Core Elev. 456.74 ft

Offset 37.00ft RT

Ground Surface Elev. 469.74 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Gray/Lt Gray SHALE (continued)			1	87	45		
Geomechanics Class of Rock Mass(GCRM)= 29, Poor Rock	9.2% M						14.6
	8.3% M						33.6
	8.0% M	-15					34.8
	8.6% M						37.3
	8.1% M						24.9
	8.5% M						40.3
	451.74						
GCRM= 34, Poor Rock			2	100	70		
	8.2% M						22.4
	7.4% M	-20					35.5
	7.9% M						21.1
6" Limestone seam							
	7.5% M						31.6
	7.1% M						48.6
	446.74						
GCRM= 29, Poor Rock			3	100	70		
	8.2% M						19.4
	444.74	-25					
GCRM= 52, Fair Rock	7.6%M						54.9
	7.4% M						62.1
	7.1% M						91.8
	7.1% M						95.4
	6.9% M						101.0
	441.75						
GCRM= 42, Fair Rock			4	100	83		94.6
	7.8% M						
	7.3% M						88.5
	6.2% M	-30					131.9
	6.7% M						68.1
	6.8% M						68.5
	7.2% M						86.8
	436.74						

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)

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Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
End of Boring						
	-35					
	-40					
	-45					
	-50					

Color pictures of the cores Yes

Cores will be stored for examination until Construction complete

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BBS, form 138 (Rev. 8-99)

DESIGNED PJL
CHECKED LLV
DRAWN MGM
CHECKED PJL

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

STS | AECOM
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Fax 309.676.5445
IL Design Firm Reg.
No. 184-001518
www.stsconsultants.com

SHEET NO. 29 OF 33 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6578	(1-R)RS(1-VC)BR	PEORIA	142	90
STRUCTURE NO. 072-0201		CONTRACT NO. 68092		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		