

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 7/5/07

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

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

COUNTY Peoria DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. 072-0201(prop) SURFACE WATER Elev. _____ ft
Station 45+42 Stream Bed Elev. _____ ft

BORING NO. 1 (N.ABUT) GROUNDWATER Elev.: _____ ft
Station 46+80 First Encounter 466.9 ft
Offset 53.00 ft LT Upon Completion WASHED ft
Ground Surface Elev. 473.40 ft After 24 Hrs. 469.9 ft

DEPTH (ft)	DIAMETER (in)	TEST TYPE	TEST VALUE
0		B	
3		S	18
7	2.8	P	
7		P	
463.40			
0		B	
2		S	13
2	1.0	P	
6		P	
466.90			
0		B	
3		S	25
3		S	
2		S	
2		S	
10	1.0	P	24
2		P	
461.90			
0		B	
12		S	12
52		S	
469.3			
-15			
-20			

Brown & Gray SILTY CLAY LOAM

Brown/Gray LOAM

shelby tube 4'-6.5'

Gray LOAM (gravelly)

shelby tube 6.5'-9'

shelby tube 9'-10.5'

gravels @ 10.5'

Gray to Lt. Gray SHALE

Borehole continued with rock coring.

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, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

ROCK CORE LOG

Page 2 of 2
Date 7/5/07

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

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

COUNTY Peoria CORING METHOD NWD4 x 5' Dual tube

STRUCT. NO. 072-0201(prop) CORING BARREL TYPE & SIZE NWD4 x 5' Dual tube
Station 45+42

BORING NO. 1 (N.ABUT) Core Diameter 2.1 in
Station 46+80 Top of Rock Elev. 461.90 ft
Offset 53.00 ft LT Begin Core Elev. 459.40 ft
Ground Surface Elev. 473.40 ft

DEPTH (ft)	DIAMETER (in)	TEST TYPE	TEST VALUE
0		R	
1		C	95
15		O	52
10.62		M	5.8
456.40			
8.32		M	30.9
455.40			
8.42		M	25.7
453.15			
2		R	98
41		C	
12.2		M	
16.5		M	
19.2		M	
450.40			
3		R	94
90		C	
27.2		M	
33.2		M	
29.8		M	
29.8		M	
54.0		M	
33.3		M	
48.6		M	
445.40			
-30			

Gray to Lt. Gray SHALE (continued)
Geomechanics Class of Rock Mass(GCRM)= 29, Poor Rock

10.62 M

numerous thin limestone seams from 15.5' to 16.7' (seams are 1/2" to 1")

GCRM=41, Fair Rock

8.32 M

GCRM= 18, Poor Rock

GCRM= 34, Poor Rock

8.62 M

numerous thin limestone seams from 19' to 22.7' (seams are 1/4" to 2")

8.82 M

7.42 M

GCRM=48, Fair Rock

8.42 M

8.52 M

8.82 M

7.92 M

7.62 M

8.12 M

8.12 M

End of Boring

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 <u>PJL</u>
CHECKED <u>LLV</u>
DRAWN <u>MGM</u>
CHECKED <u>PJL</u>

STS AECOM 111 NE Jefferson Avenue Peoria, IL 61602 T 309.676.8464 Fax 309.676.5445 IL Design Firm Reg. No. 184-001518 www.stsconsultants.com	SHEET NO. 27 OF 33 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		6578	(1-R)RS(1-VC)BR	PEORIA	142	88
STRUCTURE NO. 072-0201		CONTRACT NO. 68092		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		