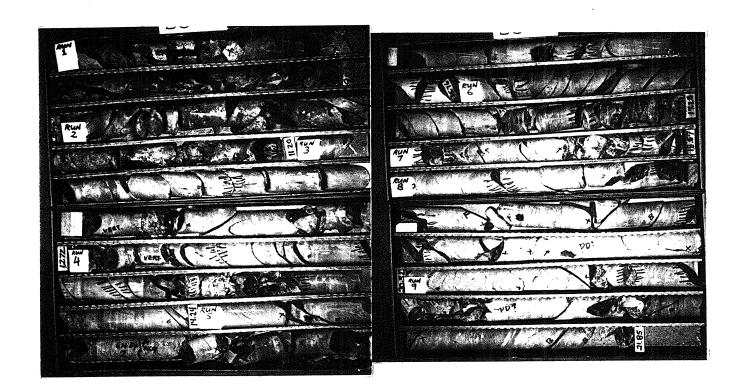
PROJECT NO: 81910203 (R-977A) CHEROKEE COUNTY BRIDGE 4



EBL B5-A

COR 1: 8.30-9.71	,	REC=72%	RQD=11%
COR 2: 9.71-11.20		REC=66%	RQD=7%
COR 3: 11.20-12.72		REC=78%	RQD=24%
COR 4: 12.72-14.24	*	REC=89%	RQD=47%
COR 5: 14.24-15.76		REC=98%	RQD=47%
COR 6: 15.76-17.28		REC=66%	RQD=7%
COR 7: 17.28-18.57		REC=45%	RQD=0%
COR 8: 18.57-20.32		REC=98%	RQD=62%
COR 9: 20.32-21.85		REC=98%	RQD=58%

LAYER 1: 8.30-11.20 Soft to moderately hard, slightly weathered phyllite; moderately to extremely fractured, 44 pieces, longest piece 16cm. Bedding and foliation dip 42°. 21 joints on foliation, ADS=8cm, ADT=0.02cm, smooth to moderately rough, with Fe and Mn oxide coatings. 7 joints at 18°, ADS=22cm, ADT=0.02cm, smooth to rough, with Fe and Mn oxide coatings. 2 joints at 63°, t=0.02cm, rough, with Fe and Mn oxide. REC=70% RQD=9%

PROJECT NO: 8.1910203 (R-977A) CHEROKEE COUNTY BRIDGE 4

EBL B5-A~Continued

- LAYER 2: 11.20-14.69 Moderately hard, slightly weathered to fresh phyllite; moderately to slightly fractured, 44 pieces, longest piece 20 cm. A few weathered seams in upper half. Foliation dips 55°. 25 joints on foliation, ADS=7cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide stains. 4 joints at 5°, ADS=61cm, ADT=0.02cm, smooth to rough with Fe and Mn oxide stains. REC=83% RQD=36%
- LAYER 3: 14.69-18.57 Moderately hard, fresh to fresh jointed phyllite with a few thin weathered seams; moderately fractured, 73 pieces, longest piece 12cm. Magnetic, with a few thin pseudodiorite layers. Foliation dips 45°: 30 joints on foliation, ADS=6cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide stains on a few. 6 joints at 6°, ADS=42cm, ADT=0.01cm, smooth to rough, with Fe and Mn oxide on a few. Most core loss due to machine grinding. REC=64% RQD=4%
- LAYER 4: 18.57-21.85 Moderately hard, fresh phyllite; slightly fractured to sound, 31 pieces, longest piece 29cm. Few thin pseudodiorite layers. Foliation dips 50°. 12 joints on foliation, ADS=16cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide stains. Bedding dips 40°. 3 joints on bedding, ADS=85cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide stains. 8 joints at 15°; ADS=23cm, ADT=0.01cm, moderately rough to rough, with Fe and Mn oxide on some. 1 joint at 80°, t=0.01cm, moderately rough, with Fe and Mn oxide stain. REC=98% RQD=59%