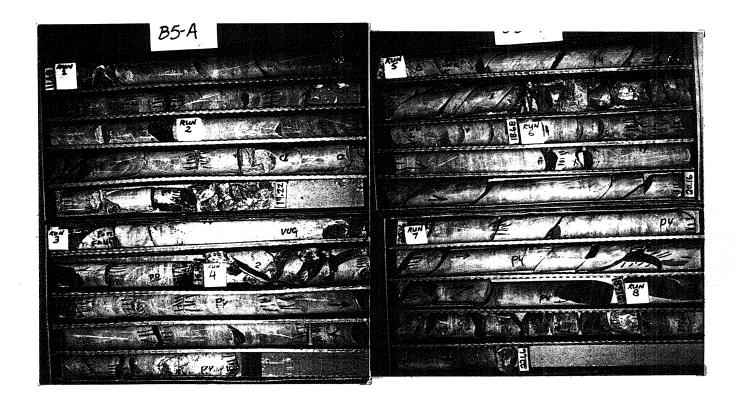
PROJECT NO: 8.1910203 (R-977A) CHEROKEE COUNTY BRIDGE 4



WBL B5-A

	WDL DJ-A		
COR 1: 11.44-12.70		REC=98%	RQD=68%
COR 2: 12.70-14.22		REC=86%	RQD=36%
COR 3: 14.22-15.69		REC=78%	RQD=55%
COR 4: 15.69-17.16		REC=98%	RQD=76%
COR 5: 17.16-18.68		REC=94%	RQD=39%
COR 6: 18.68-20.16		REC=98%	RQD=64%
COR 7: 20.16-21.68		REC=98%	RQD=74%
COR 8: 21.68-22.66		REC=90%	RQD=36%

LAYER 1: 11.44-13.79 Medium to moderately hard, fresh jointed to slightly weathered phyllite; sound except extremely fractured at top 20cm, 28 pieces, longest piece 33cm. Pyritic and highly magnetic. Bedding and foliation dip 51°. 16 joints on foliation, ADS=10cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide coating. 3 joints at 14°, ADS=49cm, ADT=0.02cm, moderately rough to rough, with Fe and Mn oxide on some. REC=97% RQD=54%

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WBL B5-A~Continued

- LAYER 2: 13.79-15.55 Hard to very hard, fresh jointed to slightly weathered metaquartzite; sound, except extremely fractured around minor fault 13.79-14.25. 14 pieces, longest piece 61cm. Pseudodiorite layer 20cm thick with vugs. Calcareous, pyritic, magnetic. 2 joints at 10°, t=0.01cm, moderately rough to rough, with Fe and Mn oxide stains. REC=82% ROD=37%
- LAYER 3: 15.55-17.96 Moderately hard, fresh phyllite; sound, 26 pieces, longest piece 53cm. Slightly weathered at top 20cm. Pyritic and magnetic. Bedding and foliation dip 47°. 18 joints on foliation, ADS=11cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide on a few. 1 joint at 20°, t=0.01cm, rough, clean. Annealed minor fault 17.05-17.25. REC=98% RQD=63%
- LAYER 4: 17.96-18.46 Moderately hard, slightly weathered phyllite; moderately to extremely fractured, 14 pieces, longest piece 7cm. Foliation dips 40°. 10 joints on foliation, ADS=3cm, ADT=0.02cm, smooth to moderately rough, with Fe and Mn oxide stains. 6 joints at 10°, ADS and ADT indeterminate. REC=70% RQD=0%
- LAYER 5: 18.46-22.66 Moderately hard, fresh to fresh jointed metasiltstone; sound, 29 pieces, longest piece 45cm. Pyritic, magnetic. Severe machine breakage and grinding 21.78-22.66. Foliation and bedding dip 40°. 17 joints on foliation, ADS=14cm, ADT=0.01cm, smooth to moderately rough, with Fe and Mn oxide stains on some. 5 joints at 23°, ADS=17cm, ADT=0.01cm, moderately rough to rough, with Fe and Mn oxide stains on some. 2 joints at 78°, s=30cm, t=0.02cm, moderately rough, with Fe and Mn oxide coating. REC=93% RQD=53%