PROJECT NO: 8.2752101 (B-3926)
COUNTY: WATAUGA

BRIDGE 35
EB1-A

CORE 1: 6.6 – 8.1	REC=80% RQD=40%
CORE 2: 8.1 – 13.1	REC=72% RQD=7%
CORE 3: 13.1 – 18.1	REC=52% RQD=10%
CORE 4: 18.1 – 22.9	REC=98% RQD=83%

LAYER 1: 6.6 – 10.1 Boulders

LAYER 2: 10.1 – 17.4 Hard to medium hard, slightly to severely weathered amphibolite. Close-fractured, 35 pieces, longest piece 0.4 feet. Layering steeply dipping and contorted, foliation dips 60-70 degrees. At least 17 joints at 0-20 degrees, 4 joints at 30-60 degrees, moderately rough, coated with Fe- and Mn-oxides. 4 smooth joints at 60-70 degrees. All joints coated with Fe- and Mn-oxides. REC=70% RQD=5%

LAYER 3: 17.4 – 22.9 Hard, very slightly weathered to fresh amphibolite. Close-fractured, 19 pieces, longest piece 1.1 ft. Layering and foliation dip 50-60 degrees, contorted in some places. 6 joints at 0-20 degrees, rough, clean. 3 joints at 30-60 degrees, moderately rough to smooth, coated with Fe-oxide. 1 joint at 70 degrees, smooth, coated with Fe- and Mn-oxides. REC=100% RQD=84%

PROJECT NO: 8.2752101 (B-3926)
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BRIDGE 35
EB1-B

CORE 1: 1.9 – 3.5	REC=75% RQD=44%
CORE 2: 3.5 – 8.5	REC=46% RQD=32%
CORE 3: 8.5 – 12.7	REC=98% RQD=48%
CORE 4: 12.7 – 16.8	REC=88% RQD=85%

LAYER 1: 1.9 – 7.1 Boulders

LAYER 2: 7.1 – 10.4 Hard, very slightly weathered, green to dark gray epidosic amphibolite. Close-fractured, 21 pieces, longest piece 0.6 feet. Very thin, contorted layering dips 40-90 degrees. Poorly developed foliation dips 60 degrees. 13 joints at 20-50 degrees, smooth to moderately rough. 4 joints at 60-80 degrees, smooth. All joints coated with Fe-oxide. REC=94% RQD=41%

LAYER 3: 10.4 – 16.8 Hard, fresh amphibolite. Close- to moderately close-fractured, 11 pieces, longest piece 1.7 feet. Poorly foliated at 60 degrees. 7 joints at 0-20 degrees, moderately rough, clean or with a little Fe-oxide. 1 joint at 60 degrees, smooth, coated with chlorite slickensides. REC=91% RQD=80%