LABORATORY SUMMARY SHEET FOR ROCK CORE SAMPLES

PROJECT NO.: 8.1631801 (R-2911A)
F.A. NO.: STP-70 (39)
COUNTY: IREDELL
DUAL BRIDGES ON -L- (US 70) OVER -Y5A-, -Y5-, AND -Y5B- (NORFOLK SOUTHERN RAILROAD)

Sample #	Boring #	Depth (m)	Rock Type	Geologic Map Unit	Run RQD	Length (m)	Diameter (m)	Unit Weight (kN/m3)	Unconfined Compressive Strength (kPa)	Young's Modulus (kPa)	Splitting Tensile Strength (kPa)	Remarks
RS-1	B1-A LT	20.80-20.93	Biotite Gneiss	CZbg	79%	0.1270	0.06274	25.78	6,219	$0.600E^{7}$		
RS-2	B2-A LT	21.58-21.70	Biotite Gneiss	CZbg	NA	0.1295	0.06198	25.45	6,505			
RS-3	B1-B RT	18.38-18.51	Biotite Gneiss	CZbg	NA	0.1255	0.06045	23.49	1,907			
RS-4	B2-B RT	27.37-27.50	Biotite Gneiss	CZbg	74%	0.1273	0.06274	26.32	13,259			