

## Appendix 5.

# Test Results from Sample of Aggregate Produced in Quarry on Bowater Mersey Paper Company Limited Property

Materials were used by Dexter Construction Co. Ltd. in a Nova Scotia Department of Transportation and Public Works highway contract.

TEST DATA								
<b>CONTRACT NO:</b>		96-020						
<b>CONTRACTOR:</b>		Dexter Construction Co. Ltd.						
<b>PIT NAME:</b>		Bowater, Hwy 103						
<b>PIT LOCATION:</b>		St. Margarets Bay, Halifax County						
AGGREGATE TEST DATA								
Source	Material	Specific Gravity (Bulk)	Abs. (%)	F.I (%)	FRAC (%)	P.N.	L.A. Loss (%)	Soundness Loss (%)
Bowater	14 mm stone	2.621	0.7	16	100	113	32.0	1.9
		2.594	0.6					3.1
		2.586	0.9					1.8
MIX DESIGN AND FIELD TEST DATA								
Recommended Mix		Job Mix Formula	Marshall Test Results					
				Design Mix	Field Avg.	Field Std. Dev		
Hot Feed:			Mix Type	C-HF				
Stone:	48%	46%	Max. Theor. S.G.	2.411	2.432	0.010		
Sand:	52%	54%	B.S.G.	2.336	2.350	0.014		
Asp:	5.50%	5.50%	Air Voids (%)	3.1	3.3	0.635		
			V.M.A.	15.3	14.7	0.474		
Cold Feed:			Stability (KN)	10.6	8.9	1.210		
14 mm Stone	47%	48%	Flow (0.25 mm)	10	11	1.814		
Cr. Fines	38%	40%	p5000 (%)	52	54	3.684		
Natural Sand	15%	12%	p80 (%)	5.4	4.8	0.402		
			Asp (%)	5.50	5.3	0.318		
COMPACTION								
Mix Type:			C-HF					
Number of Cores:			130					
Average Core Thickness:			46 mm					
Average Core Air Voids (%)			5.4%					
Average Core Compaction (%)			97.8%					