

9.5	General Design	2
9.5.6	Load-sharing factor	2
9.13	Structural composite lumber	2

9.5 General Design**9.5.6 Load-sharing factor**

Add to **Table 9.3 Values of D_e** the following:

Structure	D_e , m
Stringer of Glued-laminated timber stringer bridge	1.75

Commentary: *There is no reference to glue-laminated structures.*

9.13 Structural composite lumber

Structural Composite Lumber shall not be used unless otherwise consented to by the Ministry

Commentary: *Structural composite lumber used in bridges may not meet code requirements because of the high humidity conditions in Coastal British Columbia. The Engineer should contact the structural composite lumber manufacturer and treatment facility to determine if its use will provide adequate durability in coastal British Columbia or in other harsh environments to assure that appropriate durability and warranties are available when structural composite lumber is used.*

Parallel Strand Lumber (PSL) has been used in Ontario bridges and may be appropriate in certain applications. Locally available PSL is manufactured from untreated Douglas Fir and is currently available from a single source only. Treatment has to be applied locally by a third party which may void the manufacturer's warranty.

Locally available laminated veneer lumber is manufactured from untreated Douglas Fir which does not easily accept preservative treatment and is not recommended for use in Coastal British Columbia.