

# Construction of a Bridge

## Consent Requirements

Rule 7.5.2 of the Auckland Regional Plan: Air, Land and Water (ALWPlan) states that activities which involve the construction of bridges (or part of a bridge) over a watercourse – which may result in potential effects on streams - may require a resource consent from the Auckland Regional Council. This is particularly so if the specific conditions below are not met. All approvals (including those from your local council) need to be obtained prior to any construction commencing. Note, the rules apply to the repair and maintenance of the structure.

Effect	Specific Condition for Category 1 (Perennial) Streams
Freeboard	A minimum of 0.5m of freeboard between the underside of the bridge and the 100 year ARI flood level. The bridge shall be maintained free of flood debris.
Floodflows	There cannot be more than minor impediment to the passage of flood flows up to and including the 100 year ARI flood.
Floor Levels	The bridge shall not cause flood levels in events up to and including the 100 year ARI flood to rise within 0.5 m of the habitable floor levels of dwellings.
Location	The bridge shall not be located in a Natural Lake, Natural Stream or Wetland Management Area.
Navigation of boats	The bridge shall not impede navigation of vessels.
Public Access	The structure shall not impede public access along the lake, river or stream.
Leaks	There shall be no leakage of material conveyed in any pipes or other conduits located under or over the bed.
Piles	No piles or abutments, either permanent or temporary shall be located in, on or under the bed.

Refer also to General Conditions in the ALW Plan Rule 7.5.2 (a) to (q) listed in A, B or C and specific structures listed in full in D, namely (aa), (bb), (dd), (ee), (ff), (hh), (ii), (kk), (nn) and (uu);

### Further Information and References

The Auckland Regional Council has a number of technical publications relating to works within a watercourse including fish passage, sizing and design suggestions and appropriate models of stream diversions available for viewing at the Internet link: <http://www.arc.govt.nz/arc/about-arc/publications/> There are also further fact sheets available on related topics such as, Sediment Management: Site staging and stabilisation, Streamworks methodology and Fish passage or for further information contact the Sediment Management Team on (09) 366 2000.