

## Information Required for Resource Consent Applications Culverts and Bridges

A resource consent is required to use, erect, reconstruct, place, alter, extend, remove or demolish any structure (or part of any structure) in, on, under or over the bed of a lake or watercourse (Section 13 of the Resource Management Act 1991). The following information must be provided with any application for resource consent for a bridge or culvert. **If this information is not provided, your application will not be accepted for processing.**

1. A fully completed application form.
2. Location plan (preferably marked on an NZTM 2000 series map).
3. A description of the watercourse and its banks in the area where the crossing is to be installed.
4. A description of the intended method of installation, including timing, time of year, duration of works, bank disturbance, the need to work in the stream (if applicable), the machinery to be used, the contractor, any temporary stream diversion, bunds, coffer dams, etc.
5. A description of the mitigation measures that will be used during the installation of the crossing and afterwards for maintenance (i.e. sediment control, minimising bed disturbance, fish passage, etc).
6. Details of the crossing (engineering diagrams) indicating the position of the crossing, where the plan view will be installed, any instream structures (such as groynes, gabions, abutments etc), the approaches, wingwalls, backfill and the alternative water route in the event of flooding.
7. A diagram of the river section and plan view of the structure position.
8. Details of any proposed bank protection or stabilisation to be installed.
9. The sizes of the nearest upstream and downstream crossings (i.e. culvert diameter or bridge length and clearance).

You should also provide the following information if you have access to it:

1. The catchment area upstream of the crossing.
2. A statistical analysis giving mean flows at the crossing site.
3. The design criteria for the crossing.
4. The specific discharge (cumecs/km<sup>2</sup>).

**If you require more information or wish to discuss aspects of the above,  
please contact Environment Southland.**