



REID LINE FLOODWAY UPGRADE

BACKGROUND

Horizons, like most other regional councils, carries out flood protection and drainage activities using a scheme-based management approach. 34 river management schemes cover a large part of the Region providing a variety of services, each tailored to meet the needs of the particular community that receives the benefit of those activities. Those activities range from protecting people and property from flooding to minimising river/stream erosion of productive land to the provision of land drainage.

One of these schemes is the Lower Manawatū Scheme, which the Reid Line floodway is part of. To date the floodway has worked well in keeping

Feilding safe from flooding, diverting flood flows in the Makino Stream around Feilding and into the Kiwitea Stream. However, we're concerned that it may not be as effective as it should be in a large flood. Those concerns relate to both our experience of the Mākino Stream in flood (how quickly flood flows can build), the rate with which Feilding is growing out toward the floodway and the significant operating constraints that exist with the floodway land being privately owned.

As part of our Long-term Plan process we've given consideration to what the best solution to these issues might be and wish to consult with you on our proposed solution.

THE PROPOSAL

We're proposing to divert flood flow more frequently along the floodway and to enlarge its capacity to provide Feilding with a 200-year return period flood protection standard. At present the town has a 100-year return period flood protection standard (a flood of sufficient size that it has a 1 per cent chance of occurring in any given year).

This will require the purchase of some or all of the private land in the floodway, re-contouring the floodway to remove the

stream culverts that pass through the floodway stopbank, and increasing the stopbank height.

This proposal complements work that the Manawatū District Council have underway, re-zoning rural land between Feilding and the floodway for residential development and allowing Feilding to continue to grow.

ADVANTAGES

The modifications proposed will enable much freer use of the floodway and will enable the control gates on the Makino Stream to be completely closed. It will provide Feilding with a higher standard of flood protection and in a way that is considerably less expensive and disruptive than stopbanking the Mākinō through Feilding. Development has the potential to encroach on the floodway over time; placing the floodway into public ownership will protect the integrity of the floodway, a vital piece of infrastructure for Feilding, in perpetuity.



RATING IMPACT

The cost of these initiatives is \$6.8 million and we're proposing to implement the project over a seven year period. The work is proposed to be loan-funded, repaid over a 15 year period primarily through an increase to the targeted flood protection rate applied to Feilding. We're proposing that 80 per cent of the revenue required to repay the loan

will come from the targeted rate with the balance from the region-wide river and drainage rate.

A summary table below shows two possible ways of funding this work – a 15 year loan, or paying for the cost of the work as it is incurred. The amounts listed below are the rating impact per \$100,000 of capital value.

Lower Manawatū Reid Line

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
15 year loan per \$100,000	\$4.09	\$12.11	\$19.46	\$24.37	\$26.96	\$29.85	\$33.01	\$32.91	\$32.91	\$32.91
Pay as you go per \$100,000	\$40.53	\$72.96	\$60.80	\$40.53	\$20.27	\$20.27	\$20.27	-	-	-

HOW TO HAVE YOUR SAY

Your views on this proposal are important in assisting Horizons in making a decision on whether to make the changes proposed. Horizons is hosting a community meeting to discuss this and invite you to come along:

- **Tuesday 3 April, 6pm at the Manawatū District Council offices on Manchester Street.**

We also welcome submissions via the options below before 30 April 2018.

- Go to **haveyoursay.horizons.govt.nz** and submit online.

- Fill out the submission form in the consultation document available at our service centres and post it to **Freepost 217922, Horizons Regional Council, Private Bag 11025, Manawatu Mail Centre, Palmerston North 4442.**
- Write your submission as a normal letter and post to the same address as above.
- Email your submission to **haveyoursay@horizons.govt.nz.**
- Call freephone **0508 800 800** to have your submission noted down.

