

Community options – how they have been considered and assessed

We asked the communities of Southshore and South New Brighton to send through any options they are aware of to address earthquake legacy issues on the estuary edge. We received 29 separate options. In the table below you can see how those options were incorporated, addressed in part, or not taken forward.

Incorporated in proposed options for Community Assessment and Council decisions

These options were incorporated into in one or multiple of the options proposed.

Flooding options:

- Hard edge solution to stop flooding and damage in South New Brighton Park
- Bund or a hybrid edge system

Erosion options:

- Repair the estuary edge from Southshore to New Brighton - a mix of stabilising existing walls, filling areas of erosion, and tidying up damaged structures
- Fix gabion baskets
- Prevent further erosion of the estuary edge, especially in South Brighton
- Consideration of different erosion management methods
- Decrease estuary erosion by planting of edge plants to build up sediment and reduce wave energy

Area-wide recreation and enhancement options:

- Southshore Red Zone enhancement
- Creation of spaces for people to learn about and engage with nature

Addressed in part through other options

Some options addressed longer term management of erosion and flooding (i.e. more than just the earthquake legacy issue). While these are out of scope for the earthquake legacy project, there are other options proposed which address the change in erosion and flooding that has occurred since the earthquakes, and respond to the same community needs.

These options may be considered in the future as part of the adaptation planning project

- OCEL/Gary Teear proposal for estuary edge raised levee or bund
- Erection of 1m sea-walls from Southshore to Bridge Street
- Raised walkway/cycleway from Southshore to New Brighton

Incorporated in options Council is proposing to do anyway

The following options are covered in the options to review maintenance schedules and align Earthquake Legacy work with work undertaken through the South New Brighton Reserves Development Plan:

- Road repairs
- Footpath repairs

The following options are covered through the fact sheets prepared for this work and technical reports proposed to be released:

- Providing consistent, up to date, and easy to understand information
- Releasing and communicating latest information about risk and hazards

The following options which relate to larger issues with the stormwater network, may be covered to some extent through our existing approach of temporary pumping and the City-wide programme of works for longer term stormwater management and upgrades to the system:

- On-demand eco-friendly pumps
- Introduce permanent pumped road drainage
- Urgent repairs to faulty drain outlets

Not taken forward

A number of options were not taken forward as they are out of scope of this project because they either:

- Don't relate to the estuary edge and surrounds
- Have wider implications
- Are not an earthquake legacy issue
- Do not respond to a community need
- Are not able to be addressed by agencies currently involved in the project

These options include:

- Dig out Bexley so water has somewhere to go to take pressure off Southshore and South New Brighton
- Increasing the height of the estuary bar to control the flow of seawater coming into the estuary
- Use emergency earthquake powers to fix land damage
- Construct a cycle and walkway bridge between Spit and Redcliffs
- Providing more safe places to launch boats
- Facilitate local business to re-open the Caspian Street local centre
- Replace the shopping area that was in Ebptide Street
- Improve the water quality of the estuary and make it swimmable
- Spend Southshore rates income on local projects

The following option was assessed for practicality and feasibility which highlighted a number of significant constraints around cost and timing. Because of these constraints, this option is better addressed as part of the broader adaptation work for this area.

- Ebptide Street repair and repurposing