

Report 2016.319
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Committee Hutt Valley Flood Management Subcommittee
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HRCCUP - Flood Protection Update

1. Purpose

To update the Subcommittee about aspects of the Hutt River City Centre Upgrade Project (HRCCUP) that relate specifically to the improvements to flood protection between Kennedy Good Bridge and Ewen Bridge on the Hutt River.

2. Background

The aim of the flood protection component of the HRCCUP is to upgrade the existing flood protection works from Kennedy Good Bridge (KGB) to Ewen Bridge to meet the 1 in 440 year design standard, including the predicted climate change impacts. The project will be designed to maintain the above design standard until the year 2100 according to current climate change predictions. The project design concepts were signed off by Council at its meeting on 15 December 2015. The proposed works to achieve the required standard includes widening the river channel and the corridor, raising and strengthening of stopbanks, and strengthening riverbanks to reduce the erosion risk.

2.1 River berm, channel and stopbank design focus

The focus of the design for the flood protection works being delivered by Greater Wellington Regional Council (GWRC) is the function and form of the stopbanks, berms and river channel. This overlaps with the urban design elements of Making Places, infrastructure improvements to be developed by Hutt City Council (HCC), and the Melling Bridge and Melling Interchange being developed by HCC and NZTA.

GWRC will be lead agency for discussions with focus groups for landscape design of the berm areas, recreational space on the berms and habitat improvements on the berm and in the river channel. HCC and NZTA will take the lead in discussions regarding urban design, infrastructure, roading and transport.

3. Kennedy Good Bridge to Melling Bridge

The design work in this area is focused on river widening and berm design aspects. There is a short section of stopbank upgrade to be carried out connecting the downstream end of the existing Boulcott stopbank (near Mills St) to Melling Bridge.

4. Melling Bridge to Ewen Bridge

4.1 Daly Street

Design constraints for Daly Street interface have been supplied to HCC and are included in the Making Places Report from HCC.

4.2 Marsden Street, Pharazyn St and Melling Area

A feasibility concept for realigning Marsden St to accommodate the widened river corridor has been supplied to HCC. GWRC will work with HCC to incorporate stopbank design into the interface with the adjacent streets and suburb.

4.3 Melling Bridge Replacement

One of the key focus items for the flood protection delivery is the capacity of Melling Bridge. This has been highlighted as a major item to HCC and NZTA and GWRC will be seeking confirmation regarding the bridge replacement and design capacity as a priority. The replacement of the Melling Bridge is being considered as part of NZTA's Melling Intersection Improvements. The current work programme aims to deliver greater certainty about this in June 2017.

5. Property Purchase update

5.1 Summary Status of Property Negotiations

Required	Purchased	Awaiting settlement	In Negotiation	In Valuation
117	2	1	2	2

6. The decision-making process and significance

No decision is being sought in this report.

6.1 Engagement

Engagement on this matter is unnecessary.

7. Recommendations

That the Subcommittee:

- 1. Receives the report.*
- 2. Notes the content of the report.*

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