



If calling, please ask for Democratic Services

Hutt Valley Flood Management Subcommittee

Tuesday 28 June 2022, 4.30pm

Council Chamber, Upper Hutt City Council, 838 Ferguson Drive, Upper Hutt

Members

Greater Wellington Regional Council

Cr Lamason (Chair)

Cr van Lier (Deputy Chair)

Cr Connelly

Cr Lee

Hutt City Council

Deputy Mayor Lewis

Cr Edwards

Upper Hutt City Council

Mayor Guppy

Cr Wheeler

Recommendations in reports are not to be construed as Council policy until adopted by Council

Hutt Valley Flood Management Subcommittee

Tuesday 28 June 2022, 4.30pm

Council Chamber, Upper Hutt City Council, 838 Ferguson Drive, Upper Hutt

Public Business

No.	Item	Report	Page
1.	Apologies		
2.	Conflict of interest declarations		
3.	Public participation		
4.	Confirmation of the Public minutes of the Hutt Valley Flood Management Subcommittee meeting on Tuesday 5 April 2022	22.148	3
5.	Update on Progress of Action Items from Previous Hutt Valley Flood Management Subcommittee Meetings – June 2022	22.180	5
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Please note these minutes remain unconfirmed until the Hutt Valley Flood Management Subcommittee meeting on 28 June 2022.

Report 22.148

Public minutes of the Hutt Valley Flood Management Subcommittee meeting on 5 April 2022

All members participating remotely at 4.32pm

Members Present

Greater Wellington Regional Council

Councillor Lamason (Chair)
Councillor van Lier (Deputy Chair)
Councillor Connelly
Councillor Lee

Hutt City Council

Deputy Mayor Lewis (from 4.38pm)
Councillor Edwards

Upper Hutt City Council

Mayor Guppy
Councillor Wheeler

Members participating at this meeting remotely counted for the purpose of quorum, as per clause 25B of Schedule 7 to the Local Government Act 2002.

Public Business

1 Apologies

There were no apologies.

2 Declarations of conflicts of interest

There were no declarations of conflicts of interest.

3 Public participation

There was no public participation.

4 Confirmation of the Public minutes of the Hutt Valley Flood Management Subcommittee meeting of 7 December 2021 - Report 21.600

Moved: Cr van Lier / Cr Connelly

That the Committee confirms the Public minutes of the Hutt Valley Flood Management Subcommittee meeting of 7 December 2021 - Report 21.600.

The motion was **carried**.

5 Update on the progress of action items from previous meetings – Report 21.602 [For Information]

6 RiverLink Project Update Report – Report 22.105 [For Information]

Graeme Campbell, Manager, Flood Protection introduced the report. Tracy Berghan, Riverlink Owner, Interface Lead, Tom Newson, RiverLink Project Director, Tom Biggin, Project Manager, RiverLink, and David Allen, Partner, Buddle Findlay spoke to the report.

Deputy Mayor Lewis arrived at 4.38pm, during discussion of the above item.

7 Hutt Valley Flood Management Projects Report Update- Report 22.104 [For Information]

Sharyn Westlake, Team Leader, Floodplain Management Plan Implementation, spoke to the report.

The public meeting closed at 5.03pm.

Councillor P Lamason

Chair

Date:

Hutt Valley Flood Management Subcommittee
28 June 2022
Report 22.180



For Information

UPDATE ON PROGRESS OF ACTION ITEMS FROM PREVIOUS HUTT VALLEY FLOOD MANAGEMENT SUBCOMMITTEE MEETINGS – JUNE 2022

Te take mō te pūrongo

Purpose

1. To update the Hutt Valley Flood Management Subcommittee (the Subcommittee) on the progress of the action items arising from the previous Subcommittee meetings.

Te horopaki

Context

2. The items raised at the Subcommittee's previous meeting, which required action by officers, is listed in [Attachment 1](#). The status is noted and the information requested is provided.

Ngā hua ahumoni

Financial implications

3. There are no financial implications arising from this report.

Ngā tūāoma e whai ake nei

Next steps

4. The completed items will be removed from the action items table for the next report. Any new items will be added to the table, following this Subcommittee meeting, and circulated to the relevant business group for action.

Ngā āpitihanga

Attachment

Number	Title
1	Action items from previous Hutt Valley Flood Management Subcommittee Meeting – June 2022

Ngā kaiwaitohu

Signatory

Approver	Wayne O'Donnell, General Manager, Catchment Management Group
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He whakarāpopoto i ngā huritaonga Summary of considerations
<i>Fit with Council's roles or with Committee's terms of reference</i> The action items are of an administrative nature and support the functioning of the Committee.
<i>Contribution to Annual Plan / Long Term Plan / Other key strategies and policies</i> Action items contribute to Council's or Greater Wellington's related strategies, policies and plans to the extent identified in Attachment 1 .
<i>Internal consultation</i> There was no additional internal consultation in preparing this report and updating the action items.
<i>Risks and impacts - legal / health and safety etc.</i> There are no known risks or impacts.

Attachment 1 to Report 22.180

Update on Progress of Action Items from previous Hutt Valley Flood Management Subcommittee meeting – June 2022

Meeting date	Action	Status and comment
7 December 2021	The Subcommittee requested that further information be provided at the next meeting related to flood forecasting	<p>5-8 December 2021 Flood Event</p> <ul style="list-style-type: none"> • We experienced elevated river levels across the region particularly in the Waikanae River • Block Road and Riverside Carpark were flooded in the Hutt Valley • Some cars were caught in the inundation of the Riverside Carpark • All warning protocols were followed by Greater Wellington Duty officers, however, river levels raised faster than normally observed, including early warning issued on the Sunday • We are reviewing the trigger levels to assess if they need to be reduced to provide more lead time to Hutt City Council <p>Flood Forecasting</p> <ul style="list-style-type: none"> • Greater Wellington has limited flood forecasting capability in the Hutt, Wellington and Kapiti catchments but a more advanced system in the Wairarapa • The more urbanised catchments in the Western half of the region have shorter responses to rainfall making forecasting more complicated • We are progressing a programme of works to develop our flood forecasting capability and to integrate into our Flood Warning and Response service • This programme of work is aiming to develop a regional flood forecast model and catchment specific models that can give

Attachment 1 to Report 22.180

Update on Progress of Action Items from previous Hutt Valley Flood Management Subcommittee meeting – June 2022

Meeting date	Action	Status and comment
		<p>Duty Officers and communities through Civil Defence, enough warning to proactively react to any potential flooding</p> <p>Flood Warning and Response Improvements programme</p> <ul style="list-style-type: none"> • Together with our Civil Defence colleagues Wellington Region Emergency Management Office (WREMO), we are progressing a major works programme to improve our warning and response service • This programme is being delivered in four main components; <ul style="list-style-type: none"> - Flood Response – development of new scalable regional response procedures - Flood Warning – assessment and development of flood forecasting systems and warning channels - Flood Awareness – working with WREMO to develop community awareness messaging, collateral and campaigns - Flood Monitoring Network Improvements – strategically progressing a programme of flood monitoring network improvements • To date we have developed new flood response procedures and trained our duty officers, progressed a foundational assessment of the flood forecasting capability and are implementing an improvements programme, developing web-pages and initial flood awareness messaging. We have also started on our high priority gauging sites in Waikanae and the Wairarapa.

Hutt Valley Flood Management Subcommittee
28 June 2022
Report 22.216



For Decision

RIVERLINK PROJECT UPDATE REPORT

Te take mō te pūrongo

Purpose

1. To advise the Hutt Valley Flood Management Subcommittee (the Subcommittee):
 - a of the items raised in the Report of the Project Director - RiverLink ([Attachment 1](#))
 - b the addition of the Mills Street Stopbank to the early works requirements for RiverLink
 - c change in the preferred procurement model from a hybrid to a pure alliance
 - d the Request for Proposals (RFP) to three consortia will now be issued in August 2022.

He tūtohu

Recommendation

That the Subcommittee:

- 1 **Endorses** the addition of the Mills Street stopbank in the early works for RiverLink to enable construction to start in the 2023/24 construction season.
- 2 **Notes** that the preferred Alliance model has now changed from a hybrid alliance to a pure alliance model.
- 3 **Notes** that the Riverlink Request for Proposal (RFP) will now be issued in mid August 2022.

Te tāhū kōrero

Background

2. RiverLink is a partnership project between Greater Wellington Regional Council (Greater Wellington), Hutt City Council (HCC), Waka Kotahi NZ Transport Agency (Waka Kotahi), Ngāti Toa Rangitira and Taranaki Whānui.
3. Greater Wellington's interest in RiverLink relates to Greater Wellington's strategic priority of regional resilience and implementation of the Hutt River Floodplain Management Plan. The flood protection benefits derived from the project are Greater Wellington's focus. Greater Wellington's funding primarily relates to delivery of these project outcomes.

4. Greater Wellington's strategic priorities of freshwater quality and biodiversity, and Public Transport are supported by the successful completion of the RiverLink project.
5. HCC's objectives for RiverLink are that Te Awa Kairangi between Ewen Bridge and Kennedy Good Bridge becomes the centre piece of the city by:
 - a Turning our city around to face and embrace Te Awa Kairangi;
 - b Pedestrian/cycle bridge linking new Melling station to Lower Hutt City Centre;
 - c Revitalised open space alongside the river to provide various features for rest and play; and
 - d Engaging with the private sector to redevelop key sites along the river corridor for residential and leisure use.

Te tātaritanga Analysis

Highlighted items included in the Report of the Project Director - RiverLink

6. Report of the Programme Director – RiverLink is included as **Attachment 1**.

Phase 1 Consenting and Hearing

Planning and Consenting Pathway

7. The Environment Court hearing has been completed and final legal submissions made. Project Partners are now waiting for a decision from the court. It is expected in August 2022.

Phase 2- Procurement

8. The RiverLink Board have agreed to the change from a Hybrid to Pure Alliance model. From a Greater Wellington perspective the pure alliance model allows more collaborative interaction across the various phases. Work is being done by Project Partners to mitigate risks of the pure alliance approach around both price and scope creep.
9. The risk around price tension is higher because there is no design and price competition i.e., a competitive element to the selection of an alliance partner. Under the pure model the best team is selected based on attributes and the client team (including project partners) collectively works to develop an innovative design, construction methodology and delivery programme. Once agreed, the scope is priced and at the same time an independent parallel estimate is prepared, and a supporting reconciliation process follows to stimulate price tension and agree the target outturn cost (TOC). This relies on both parties agreeing what the appropriate market rates and productivities are in the current contracting climate rather than letting a competitive market establish these. Scope creep also becomes a risk because while the pure alliance approach ensures you get what you pay for, there is always a risk that consortia will want to inflate scope. In our case the work completed to date on the design and supporting minimum requirements will be used to limit this risk exposure.
10. The Registration of Interest (ROI), and Request for Proposal (RFP) have been merged and the RFP is now anticipated to be released to the market in mid-August. It had earlier

been hoped that this RFP release would have been in early July 2022. The current programme however has been compressed with the aim of still having a preferred Alliance Partner selected by December 2022 and the IPAA phase still commencing at the beginning of 2023 with a contract being signed by mid-2023.

11. While no longer strictly required for a pure alliance, minimum requirements covering Greater Wellington/HCC work will be completed and provided through the RFP process. From our perspective this makes the RFP process considerably more informed than what would ordinarily be provided to bidders in a pure alliance process.

Greater Wellington

12. The Mills Street stopbank has now been included in advanced works programmed for RiverLink. In undertaking the development of the Advanced Works consideration will be given to the status of the Alliance procurement process. Implementation options for any package of work will seek to allow either inclusion under the Alliance as “Construct only” or for a separate engagement of a standalone contractor.
13. Greater Wellington has successfully purchased 114 properties of 129 properties, with three further purchases imminent.
14. In April, the Regional Council, approved the Phase 2 Project Partner Agreement (PPAv2).
15. The “old” PetVet building has now been successfully demolished and the site cleared. The state of the buildings meant that the buildings was unable to be tenanted in any way so the decision was made to demolish and clear the site.
16. Greater Wellington will come back to the Regional Council for approval/endorsement of the preferred consortia (Alliance Partner) at the end of the RFP stage of procurement, which is currently programmed for December 2022, and to enter the IPAA phase, proposed to start in February 2023.

Waka Kotahi

17. Further detail is provided in the attached RiverLink Project Director’s report.

Hutt City Council

18. HCC have submitted a Request for Proposal to the Housing Infrastructure Acceleration Fund (IAF), administered by Kāinga Ora. HCC have requested IAF funding for wastewater and stormwater upgrades to enable housing development in the city centre and across the valley floor. HCC have been advised that they have been successful in progressing to the next stage of the process; negotiation.
19. HCC have identified opportunities for works which could be constructed in advance of the Project Alliance being formed and/or as early works by the Alliance.
20. A team has been formed to assist Waka Kotahi with providing a replacement skate park for the one lost at Melling due to the interchange works. The new skate park will likely be delivered separately from the Alliance as advanced works in 2023.

Ngā hua ahumoni

Financial implications

21. Greater Wellington has, through its 2021-31 Long Term Plan and annual planning processes, committed funding of \$295 million to delivery of the flood protection benefits of RiverLink. The current forecasts for delivery of the flood protection benefits are currently being reviewed through the project processes.
22. Greater Wellington is committed to funding its full share of the project. Work is currently underway in the 2022/23 Annual plan to secure additional funding and this should be concluded by 30 June 2022.
23. These budgets do not include allowances for improvements to facilities related to public transport associated with the relocation of Melling Train Station, as Waka Kotahi are responsible for its relocation although some Greater Wellington funding may be desirable for some enhancements.

Financial implications for Hutt City Council

24. HCC voted in favour of increasing its 2021-2031 Long Term Plan funding for RiverLink to \$136.5 million, with a net cost of \$93 million after revenue from subsidies and land sales. The new funding became accessible from 1 July 2021, with the majority of expenditure scheduled to occur over the next five years. The funding will allow HCC to deliver key RiverLink scheme components including a pedestrian cycle bridge, a riverbank park, city centre urban revitalisation, intersection improvements, strategic property purchases and parking areas.

Ngā Take e hāngai ana te iwi Māori

Implications for Māori

25. Ngāti Toa Rangitira and Taranaki Whānui ki Te Upoko o Te Ika are members of the RiverLink Project Management Board.
26. The Mana Whenua steering group established between Waka Kotahi and Ngāti Toa Rangitira and Taranaki Whānui ki Te Upoko o Te Ika to oversee Te Ara Tupua, Eastern Bays Pathway has been expanded to include RiverLink.

Te huritao ki te huringa o te āhuarangi

Consideration of climate change

27. The Greater Wellington components of the RiverLink Project are subject to Greater Wellington's initiatives designed to minimise greenhouse gas emissions and enhance sequestration capacity. We will work with our project partners to develop a joint procurement approach that supports Greater Wellington's mitigation objectives once we have entered that stage of the design process. The current basis of reference for this includes the Code of Practice for River Management (Te Awa Kairangi 2020). This guides all river management activities undertaken by Greater Wellington for the purposes of flood and erosion protection across the Wellington Region. The Greater Wellington corporate sustainability programme is Nga kōwhiringa.

Ngā tikanga whakatau
Decision-making process

28. The matter requiring decision in this report was considered by officers against the decision-making requirements of Part 6 of the Local Government Act 2002.

Te hiranga
Significance

29. Officers considered the significance (as defined by Part 6 of the Local Government Act 2002) of this matter, taking into account Council's *Significance and Engagement Policy and Decision-making Guidelines*. Officers recommend that the matters are of low significance as outlined in paragraph 30 below.
30. The decision sought is an endorsement of a decision of the Project Partners to include the Mills Street stopbank in early project works and it is considered important that the Subcommittee shows support for this initiative.

Te whakatūtakitaki
Engagement

31. Engagement undertaken for the RiverLink project is outlined in the Report of the Project Director – RiverLink in **Attachment 1**.

Ngā tūāoma e whai ake nei
Next steps

32. The decision will be communicated to Project Partners, and the RiverLink Board.

Ngā āpitihanga
Attachment

Number	Title
1	Report of the Programme Director – RiverLink

Ngā kaiwaitohu
Signatories

Writers	Tracy Berghan – RiverLink Lead, Greater Wellington Tom Biggin – Project Manager- RiverLink, Hutt City Council
Approvers	Graeme Campbell – Manager, Flood Protection Wayne O’Donnell – General Manager, Catchment Management Group

He whakarāpopoto i ngā huritaonga Summary of considerations
<p><i>Fit with Council’s roles or Committee’s terms of reference</i></p> <p>The Subcommittee’s specific responsibilities include to “review periodically the effectiveness of implementation and delivery of floodplain management plans for the Te Awa Kairangi/Hutt River floodplain”, of which the RiverLink project is part of.</p>
<p><i>Contribution to Annual Plan / Long term Plan / Other key strategies and policies</i></p> <p>RiverLink contributes to the delivery of Greater Wellington’s strategic priorities of Regional Resilience, Freshwater Quality and Biodiversity, and Public Transport.</p>
<p><i>Internal consultation</i></p> <p>There was no internal consultation in preparing this report.</p>
<p><i>Risks and impacts: legal / health and safety etc.</i></p> <p>The programme leading to commencement of construction is currently impacted by the:</p> <ul style="list-style-type: none"> • Complexity of integrating Waka Kotahi into the consenting work stream, including agreeing a variation to contract and signing of the deed of accession to the project partner agreement; • Additional design work required for the Hutt City urban edge that forms the interface between Te Awa Kairangi/Hutt River and the city to enable commencement of the assessment of environmental effects work-streams.

Date: 28 June, 2022

Report of the Project Director – RiverLink

RiverLink – Project Update Report

1. Purpose

This report builds on regular reports the Hutt Valley Flood Management Subcommittee (the Subcommittee) has received which provides an update on the RiverLink programme; it does not repeat, or duplicate information previously provided.

In April, the Subcommittee received a report which provided an update on the consenting and procurement workstreams. The report advised Members of the nature of submissions received and progress on addressing s92 requests. Mr David Allen, Buddle Findlay, (Riverlink’s Legal Counsel) provided an update.

I am pleased to be able to advise Members that the RiverLink programme has reached a significant milestone. This report updates Members on the planning and consenting workstream, and Mr David Allen (Buddle Findlay) RiverLink’s Legal Counsel will again attend the Subcommittee to provide an update. Further information is provided on the procurement workstream, the achievements of the Mana Whenua Steering Group, property matters, communications and advanced works.

This report should be read in conjunction with a covering report on the Subcommittee’s agenda, which provides an update on specific matters as they relate to Greater Wellington Regional Council and Hutt City Council.

COVID-19

COVID-19 business continuity plans continue to be implemented. Proceedings at the Environment Court were not adversely impacted by COVID-19.

2. Background

Since 2020 Members have received reports which have provided a high-level overview of the RiverLink programme. The vision and strategic objectives have been outlined, as has the partnership approach and supporting governance structure. The partners have agreed to work collaboratively in an integrated, joined-up manner, the benefits of which were outlined in the February report, 2020. The partners work on the basis of achieving a “best for programme” outcome.

3. The consenting workstream

Members have received information on the direct referral consenting pathway, and since October last year, updates have been provided on the number and nature of submissions, etc.

The hearing at the Environment Court ran from 28 April – 5 May, and Mr Allen will provide further information on the proceedings at the Subcommittee meeting.

The decision of the Environment Court is anticipated in August. This significant milestone represents the completion of Stage 1 – Planning and Consenting workstream of the RiverLink programme.

I wish to extend my gratitude to the Project Board, the consultant team, the project partners and their staff, the Mana Whenua Steering Group, the Project Office and the local community for their contribution and support. I also wish to acknowledge the Subcommittee's unerring support and enthusiasm for the programme.

Members are reminded that the plans and drawing submitted to the consenting authorities as part of the resource consents are **indicative only**. They are consenting plans and not detailed engineering plans. Detailed engineering plans and drawings will be prepared by the alliance, as the procurement and delivery progress progresses.

Members are reminded that addressing the concerns of submitters by, for example, widening the scope of the programme of works and agreeing to new/amended conditions do have **cost implications**. These costs have been included to inform the reference design and estimate revision.

4. Programme and procurement

The **key steps** between now and the anticipated start of the main works contract are:

Late July	Early release of minimum requirements and reference design to shortlisted proponents.
Mid-August	Issue of Request for Proposal (RFP)
August	Decision of Environment Court
October	Close of proposals
December/January	Preferred proponent identified. Commence Interim Project Alliance Agreement (IPAA)
Mid 2023	Finish IPAA phase with Target out-turn cost (TOC)
April 2023	Early works commence.
August 2023	Main works commence.

In May the Project Board and the Chief Executives met and discussed the procurement model. It was unanimously agreed that the best interests of the programme would be served if the procurement model was changed from a hybrid alliance to a **pure alliance**. At the end of May the Project Board agreed to advise the market of this change. A procurement plan has been prepared

and endorsed by the Project Board, - the plan is ambitious but considered deliverable.

A programme of **advance/early works** are being developed by both Greater Wellington Regional Council and Hutt City Council – please see the accompanying report for details.

5. **Mana Whenua Steering Group**

The Mana Whenua Steering Group continue to meet monthly to promote mana whenua aspirations and partnership across the programme. Mana whenua representatives opened formal proceedings and presented submissions at the Hearing in late April too. There is support for the change in procurement model from the hybrid alliance to a pure alliance and the Steering Group is regularly updated on the project including the development of request for proposal and minimum requirement documentation.

6. **Property**

The partners are working together on schedules to **coordinate all property matters**. The schedules summarise the status of all the property required by the programme of works and this in turn is aligned with the anticipated timeframe to ensure that all legal requirements regarding the required property portfolio has been achieved.

Details are not provided as they are commercially sensitive.

Of the outstanding properties required, whilst negotiations are continuing in good faith, the Project Board will need to consider the option of pursuing **compulsory acquisition**, should it be deemed necessary, in the best interest of the project. Some existing leases extend beyond the anticipated start date of the project and they will require specific management so as not to delay the implementation of the programme of works.

The project partners are very sensitive to the issues faced by **tenants** who are required to vacate their properties. Finding suitable alternative arrangements in a tight housing market is challenging.

Utility survey works are currently being procured and on-going engagement continues with the main **utility providers**. The realignment of the main trunk sewer is an issue which the project partners are addressing with associated cost implications.

7. **Budgets**

The Subcommittee has been informed of an ongoing cost revision exercise which is being continuously revised as the project progresses, and as the minimum requirements are agreed.

Members will be aware that due to primarily global macro-economic factors price escalation is a very real risk for all capital projects.

The partners are working together to address this challenge and mitigate and manage this significant challenge.

Both local authorities are applying separately for central government funding which is outlined in the accompanying report.

7. **Communications and engagement**

The project Board continues to receive regular updates on the delivery of the communications and engagement strategies.

A communications strategy for phase 2 is being considered by the project partners as the project transitions from phase 1, consenting, to phase 2, post lodgement and procurement. As the programme of works is firmed up the emphasis will shift from “information/consultation” to “information/progress”.

The monthly community updates will continue, and the website and social media will continue to be updated and used to share information, etc.

RiverLink have set up an engagement pod in Andrews Ave in Lower Hutt – the community are invited to attend and find out how the project is progressing. The pod is open lunch times (12-2pm) Monday, Wednesdays, and Fridays (weather permitting). The container at the Riverside car park has been opened on Saturdays during the summer.

Project partners have attended a meeting with the Southend Business Group, who provide comments and valuable observations on how local business are impacted by the programme of works. The dialogue with the group is ongoing.

8. **Other matters**

Further **geo technical investigations** will shortly be undertaken to inform and update the reference design and cost estimates. Advance notice will be provided to affected property owners and information posters will be provided to keep the community abreast of progress.

The Subcommittee should remain confident that proposals which will be delivered are those as per the proposals plans which have been shared with the local community.

The Subcommittee has been advised that with such a large and complex programme of works that there will inevitably be **disruption** in and around Te Awa Kairangi and in Hutt CBD. Roads, cycleways and pathways will be temporarily closed, traffic will be diverted and there will be noise, dust and vibration. Contractors will be required to minimise these disruptions and follow

industry standards and apply best practice and implement an engagement plan to advise and inform the community of mitigation proposals.

9. Project governance

The **project partner agreement** (PPA) which covered phase 1 – the pre design and consenting phase, is in the process of being updated to ensure that an extant agreement is in place to cover phase 2 (a) which will keep the Riverlink partnership together, as the project transitions into the delivery phase.

The PPA sets out parties intent to enter into a **Memorandum of Understanding** (MOU) to govern relationship and funding of Phase 2B (construction).

The commercial model discussions are only taking place within the bounds of alignment in the PPA and the MOU is to be drafted to reflect the partnering principles and commitments. The MOU is intended to be entered into at about the same time as execution of the Project Alliance Agreement (PAA) as final cost sharing model will be co-dependent on PAA costings and need to run for term of PAA, plus any period of time during which there are survivable rights and obligations under the PAA.

The **Chief Executive's RiverLink Relationship Management** meetings are now held monthly, and they continue to be a forum to reinforce the collaborative nature of the project and solve issues collectively. This group meets with the Project board on an as and when basis, to maintain strategic alignment.

10. Conclusions

As Phase 1 (Planning and consenting) is nearing completion, the project is transitioning to the procurement and delivery phases. The Project Board remains focussed on the overall programme, budget and reference design with the partners remaining aligned and working collegiately.

Future reports will continue to keep the Subcommittee informed of progress.

Hutt Valley Flood Management Subcommittee
28 June 2022
Report 22.259



For Information

HUTT VALLEY FLOOD MANAGEMENT PROJECTS UPDATE REPORT

Te take mō te pūrongo

Purpose

1. To update the Hutt Valley Flood Management Subcommittee (the Subcommittee) on progress made in implementing general Hutt Valley Flood Management projects, and other mahi, including operational maintenance and regional investigations initiatives.

Te horopaki

Context

2. Greater Wellington Regional Council (Greater Wellington) has an ongoing programme of projects within the catchments of Te Awa Kairangi/Hutt River and the Wainuiomata River. The projects are included in or guided by the floodplain management plans and river management schemes for the rivers and streams within these catchments.

Te tātaritanga

Analysis

Te Awa Kairangi/Hutt River

1. Projects being completed within the managed extent of Te Awa Kairangi/Hutt River are outlined in the Te Awa Kairangi/Hutt River Floodplain Management Plan, and Te Awa Kairangi/Hutt River Environmental Strategy. Currently, a major focus area is RiverLink - the length of river between Kennedy Good Bridge and Ewen Bridge near to Hutt City Central Business District. The projects in this section have been combined into the RiverLink project.
2. RiverLink is a multi-partner project to improve flood protection, regenerate Hutt City and improve transport choice. It is the major focus for implementation of the Hutt River Floodplain Management Plan. The project is forecast to complete implementation in 2028. Detail about the project is contained in separate RiverLink Project report as part of this order paper.
3. Government funding has been secured for flood protection projects through the Government's stimulus package focusing on climate resilience and infrastructure development to help rebuild the economy following COVID-19 alert levels lockdown periods. Greater Wellington's programme comprises two projects located in the Te Awa Kairangi /Hutt River and the Ruamahanga River. Within the two projects, there are

seventeen separate locations of works. The works comprise flood and erosion protection in Te Awa Kairangi/Hutt River and landfill erosion protection in the Ruamahanga River. The Te Awa Kairangi specific projects are reported on below under the "Climate Resilience heading".

4. The report to the next Subcommittee meeting on 9 August 2022 will include the annual Asset Condition report and the Hutt River Floodplain Management Plan implementation progress report. An update on progress re-evaluating the assessed "poor condition" rating of the stopbank just above Moonshine bridge will be included as part of the asset condition report. Investigations to date have shown that while the stopbank does not overtop in the 440-year return period design standard event, there is only minimal freeboard (200mm) compared to the desired freeboard of 900mm.

Flood Hazard Modelling

5. Greater Wellington is updating the flood hazard model for Te Awa Kairangi/Hutt River. This is being carried out in line with Greater Wellington's flood hazard modelling standard process and to meet Hutt City and Upper Hutt City's District Plan change timeframes.
6. We are working with Wellington Water Ltd (WWL) to complete flood hazard modelling for the Waiwhetu stream. This is being carried out in line with Greater Wellington's flood hazard modelling standard process and to meet Hutt City and Upper Hutt City's District Plan change timeframes.
7. The Wainuiomata flood hazard mapping project is programmed to commence in 2022/23 financial year and will follow the process set out in our flood hazard modelling standard.

Climate Resilience Projects

8. Project-specific tasks which are underway are as follows:

Pomare/Taita Left Bank Erosion Repair Works:

9. This project was completed in March 2022.

River Road Erosion Repair Works:

10. Construction mahi began in May 2022 and was completed in June, with final tidy-up mahi and planting still to be completed

Seton Nossiter Culvert Repair Works:

11. Construction mahi will begin June 2022 and is expected to be completed August 2022.

Manor Park Shared Pathway (Cycleway) Construction:

12. Stage one works to construct a shared pathway (cycleway) adjacent to the Manor Park Golf Course in Lower Hutt were completed in January 2022. Stage two (northern section up to the Silverstream Bridge) is now under construction, with the project expected to be complete in June 2022. Greater Wellington's project partner, Hutt City Council, is managing the construction.
13. The path in this section will initially be a narrower gravel track (as opposed to a 3 m wide sealed surface) until the new watermain is laid and the new Silverstream pipe bridge is constructed (both by WWL). As some of the new water main alignment is along

the Stage 2 walkway a permanent track will not be in place until the water main is completed. This community enhancement project will complete Hutt River Trail access along the west side of Te Awa Kairangi/Hutt River between the Kennedy Good Bridge and Silverstream road bridges.

Stokes Valley Works:

14. Awaiting approval of the SSEMP (site specific effects management plan). The design is complete, and construction is expected to begin July 2022.

Remaining Programme Sites:

15. Detailed design work is complete. Construction contracts are being finalised for the remaining sites.

Health & Safety – River Road erosion repair works:

16. A sub-contractor truck delivering rock to Te Awa Kairangi Site 3A stockpile location interacted with a community park running event. A complaint was made that the driver drove through the competitors despite the area being coned off and warning flags in place. Fortunately, there were no damages to any property nor were there any injuries. This incident was addressed by the relevant parties and a detailed accident report was issued by the contractors to prevent a similar event from happening.
17. The sustainable procurement programme approach is progressing well. Mills Albert, a local Māori owned contractor, has been engaged to construct the works at the majority of sites. Through sustainable procurement funding from Greater Wellington, the following outcomes have been achieved to date:

Wellbeing Policy and Training:

18. The contractor's first wellbeing policy was rolled out during the contractor's all-employee health and safety day. All employees to attend wellbeing training workshop over the coming three months.

Quarry Manager License:

19. Program worker being supported to gain licensing as a quarry manager.
20. Programme progress is being regularly communicated to partners and stakeholders (including the Department of Conservation and Fish and Game) via emailed newsletter updates.
21. Regular hui are taking place between Greater Wellington and iwi partners: Te Rūnanga o Toa Rangatira Inc. and Taranaki Whānui. Partners are involved in co-design of tree planting, signage, storyboards, rongoā gardens, amongst other works.
22. Through this programme, Greater Wellington is working with iwi partners to strengthen the relationship between iwi and the Department of Corrections. Iwi are leading the approach and desired result, with Greater Wellington helping to facilitate strategy and to connect the appropriate personnel. This engagement has the potential to create meaningful ways for inmates to reconnect to their whenua, whanau, and identity overall.
23. Over 60,000 plants have been procured for planting at project sites along Te Awa Kairangi/ Hutt River. Approximately one third of these plants have been procured from

a local correctional facility, Remutaka Prison. This has contributed to the extensive social procurement outcomes of this programme of works.

24. The project budget has been increased by \$4 million to a total of \$20.8 million due to an increase in the scope of works. The work scope has increased as other works on Flood Protection's work programme have been put into the project to enable them to be progressed with the increased resources taken on for the project. The works will be financed within current Flood Protection budgets.
25. Officers have sought an extension of time to our original contract to enable more cost-effective supply of materials to the work sites. To complete the Climate Resilience Programme of Work in the contracted time limit of 30 June 2022, the Project Team would have had to procure rock at a cost of approximately \$4.1 million. The proposed contract extension has been discussed with Ministry of Business, Innovation and Employment (MBIE) and agreed in principle.

Operational Works (River Management Schemes)

26. Storm damage repairs from flood events are in progress.
27. Repairs are being carried out to berms from vehicle damage and fly-tipped rubbish, which is an on-going problem.
28. Routine maintenance of fence lines and trail maintenance is underway. Staff shortages due to COVID-19 have had a large impact on work crews.
29. The operations team are gearing up for native and willow planting programs.
30. Officers have also been very busy providing advice to assist with the Climate Resilience projects underway.

Regional Investigations Initiatives

Emergency Management

31. Flood Protection is working with Greater Wellington's ICT department and specialist flood forecasters in the Netherlands to procure and develop a flood forecasting platform and flood forecast models for operational use in the Wellington Region. This is part of our ongoing improvements programme to our response and warning capabilities.
32. Flood Protection has been workshopping catchment specific flood information and trigger levels with the Hutt EOCs to re-confirm roles and responsibilities and key triggers.

Digital Roadmap

33. Flood Protection has been collaborating closely with Greater Wellington's ICT department to develop a digital roadmap for flood risk management. This roadmap has taken a strategic view of flood risk management and the digital capabilities that underpin our ability to deliver both now and into the future. The initial steps on the roadmap are to develop a comprehensive data management strategy and to assess the resilience of our hydrometric observation systems.

Update on Silverstream Pipe Bridge from WWL

34. The Waka Kotahi funding application has had some challenges which are being addressed, however these only impact the funding opportunity, and do not impact the project scope or programme.
35. As for the delivery of the project, the construction of the pipeline along Eastern Hutt Road is progressing well south of the Railway bridge. The project is in the pre-construction phase for the Manor Park pipeline and underway with preparing the management plans, planning to mobilise in September for construction of the pipeline to start in October 2022.
36. The last stage of work is the pipe bridge, which is planned to start construction as programmed in early 2023.

Ngā hua ahumoni Financial implications

37. The above projects are within the current flood protection budgets in the Long-Term Plan. The erosion sites funding is through the Crown Infrastructure Partners initiative. Part funding is required from Greater Wellington, and officers are bringing forward Long Term Plan funding to enable this.

Ngā Take e hāngai ana te iwi Māori Implications for Māori

38. Ngāti Toa Rangitira and Taranaki Whānui ki Te Upoko o Te Ika are members of the RiverLink Board.
39. Cultural liaison or co-design contracts have been signed by Te Rūnanga o Toa Rangitira Inc., Rangitāne ō Wairarapa Inc., Ngati Kahungunu ki Wairarapa Charitable Trust and Port Nicholson Block Settlement Trust for enhanced involvement and collaboration on programme work for the Climate Resilience Projects.

Te huritao ki te huringa o te āhuarangi Consideration of climate change

40. Each project within the catchment considers and responds to the predicted impacts of climate change when considering the appropriate response to the issue the project seeks to address.
41. This programme aligns with the 2015 Climate Change strategy, which states we will help the region adapt to climate change. The projects increase climate change adaptation and resilience to natural disasters in the region.
42. The greenhouse gas (GHG) emissions from rock supply vary depending on the quarry source of the rock and transport to the work sites. Quarry sources for projects vary. The emissions from rock supply production and transport are not presently part of the organisation's GHG inventory.
43. The project will also use heavy machinery to carry out the work proposed in these projects. The emissions from these have not been estimated. However, in the 2018-19

year use of heavy machinery mainly for flood protection works at Greater Wellington represented 2% of the total organisational carbon footprint (835 tCO₂e).

44. Quarry selection will be the single largest determinant of project emissions. While it seems likely that quarry operations could be improved to reduce emissions to some extent, the avoidance of long-distance transport of the rock is the most obvious means to minimise emissions. This will be further considered as part of project procurement.
45. Targeted planting will be carried out to mitigate CO₂ emissions for the Kānoa - REDIU projects. The location and scope of this is currently being worked through.
46. Greater Wellington currently assesses options to address flood risk based on the predicted impacts of climate change over the next 100 years. Unless specified differently for specific projects, these values are an increase in rainfall intensity of twenty percent, and a sea level rise of 0.8 metres.

Ngā kaiwaitohu

Signatories

Writer	Sharyn Westlake – Team Leader, Floodplain Management Plan Implementation
Approvers	Graeme Campbell – Manager, Flood Protection Wayne O’Donnell – General Manager, Catchment Management Group

He whakarāpopoto i ngā huritaonga Summary of considerations
<i>Fit with Council's roles or with Committee's terms of reference</i> The Subcommittee's specific responsibilities include "reviewing periodically the effectiveness of implementation and delivery of Floodplain Management Plans for the Te Awa Kairangi/Hutt River floodplain."
<i>Internal consultation</i> Specific projects consult with groups and departments across Greater Wellington where relevant to that project.
<i>Risks and impacts - legal / health and safety etc.</i> This report raises no risks.