



**I, Steven May, Tumu Whakarae Chief Executive Officer, hereby give notice that  
Infrastructure Committee Meeting will be held on:**

**Date:** Tuesday, 17 March 2020  
**Time:** 1.30pm  
**Location:** Council Chamber, Wairoa District Council,  
Coronation Square, Wairoa

# **AGENDA**

## **Infrastructure Committee Meeting**

**17 March 2020**

The agenda and associated papers are also available on our website: [www.wairoadc.govt.nz](http://www.wairoadc.govt.nz)

For further information please contact us 06 838 7309 or by email [info@wairoadc.govt.nz](mailto:info@wairoadc.govt.nz)



**Order Of Business**

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8.1	Wairoa High Productivity Vehicle Motor Vehicle (HPMV) Bridge Upgrades PGF - Update on Progress.....	10



- 1 KARAKIA**
- 2 APOLOGIES FOR ABSENCE**
- 3 DECLARATIONS OF CONFLICT OF INTEREST**
- 4 CHAIRPERSON'S ANNOUNCEMENTS**
- 5 LATE ITEMS OF URGENT BUSINESS**
- 6 PUBLIC PARTICIPATION**

A maximum of 30 minutes has been set aside for members of the public to speak on any item on the agenda. Up to 5 minutes per person is allowed. As per Standing Order 15.1 requests to speak must be made to the Chief Executive Officer at least one clear day before the meeting; however this requirement may be waived by the Chairperson. Requests should also outline the matters that will be addressed by the speaker(s).

**7 MINUTES OF THE PREVIOUS MEETING**

Ordinary Meeting - 20 August 2019

**MINUTES OF WAIROA DISTRICT COUNCIL  
INFRASTRUCTURE COMMITTEE MEETING  
HELD AT THE COUNCIL CHAMBER, WAIROA DISTRICT COUNCIL, CORONATION SQUARE, WAIROA  
ON TUESDAY, 20 AUGUST 2019 AT 1.57PM**

**PRESENT:** His Worship the Mayor Craig Little (Mayor), Cr Charles (Charlie) Lambert, Mr Chris Olsen

**IN ATTENDANCE:** S May (Tumu Whakarae Chief Executive Officer), Gary Borg (Pouwhakarae – Pūtea/Tautāwhi Rangapū Group Manager Finance and Corporate Support), Stephen Heath (Pouwhakarae – Hua Pūmau Hapori/Ratonga Group Manager Community Assets and Services), Andrew Heron (Mataaro Whakakaupapa/Project Engineer, Gay Waikawa (Kaiurungi Tutohu Governance Officer)

**1 KARAKIA**

Given by Cr C Lambert

**2 APOLOGY FOR ABSENCE**

**APOLOGY**

**COMMITTEE RESOLUTION 2019/32**

Moved: His Worship the Mayor Craig Little

Seconded: Cr Charles (Charlie) Lambert

That the apology received from Cr M Johansen be accepted and leave of absence granted.

**CARRIED**

**3 DECLARATION OF CONFLICT OF INTEREST**

None

**4 CHAIRPERSON'S ANNOUNCEMENTS**

1. In July, the Government approved a suite of regulatory reforms to help ensure safe drinking water, and deliver improved environmental outcomes from New Zealand's wastewater and stormwater systems. This is the first step in providing certainty around future water standards for WDC's water projects.
2. It's good to see Officer's reports to this Committee having recommendations included.
3. This is the last meeting before elections so thanks to everyone for helping to get this Infrastructure Committee up and running with a special thank you to Councillors Min Johansen and Charlie Lambert who are not standing again and wish His Worship the Mayor all the best for the elections.

**5 LATE ITEMS OF URGENT BUSINESS**

None

**6 PUBLIC PARTICIPATION**

A maximum of 30 minutes has been set aside for members of the public to speak on any item on the agenda. Up to 5 minutes per person is allowed. As per Standing Order 14.14 requests to speak must be made to the meeting secretary at least one clear day before the meeting; however this requirement may be waived by the Chairperson.

**7 MINUTES OF THE PREVIOUS MEETING****COMMITTEE RESOLUTION 2019/33**

Moved: Mr Chris Olsen

Seconded: Cr Charles (Charlie) Lambert

That the minutes of the Ordinary Meeting held on 28 May 2019 be confirmed.

**CARRIED**

The Chairperson noted Under 8.1 – Blue Bay Water Supply Upgrade resolution (b) – the word not be deleted.

The Chairperson also clarified the wording under item 4 as “The Chairman advised that the Agenda is dominated by 3 Waters which is common throughout the country due to the water quality standard issues with roading issues no longer dominating the agenda.

**8 GENERAL ITEMS****8.1 RAW WATERPIPELINE REALIGNMENT, FRASERTOWN****COMMITTEE RESOLUTION 2019/34**

Moved: Cr Charles (Charlie) Lambert

Seconded: His Worship the Mayor Craig Little

That the Committee:

- a. The Mataaro Whakakaupapa/Project Engineer will investigate insurance claim for relocation of pipe with assistance from Pouwhakarae – Pūtea/Tautāwhi Rangapū Group Manager Finance and Corporate Support.
- b. 280m of new pipeline to be realigned adjacent to SH38
- c. This project to be added to the 2021 Annual Plan at the current estimate of \$329,590+ GST and \$30,000 for design cost.

**CARRIED**

**8.2 COMMUNITY ASSETS AND SERVICES OVERVIEW.****COMMITTEE RESOLUTION 2019/35**

Moved: Cr Charles (Charlie) Lambert

Seconded: His Worship the Mayor Craig Little

That the Committee receive the report.

**CARRIED**

The Pouwhakarae – Hua Pūmau Hapori/Ratonga Group Manager Community Assets and Services advised Hawke's Bay Regional Council has publicly notified the resource consent 3 days after the Community Assets and Services Overview report was written.

The Chairperson advised 80% on lighting subsidy from NZTA

**8.3 WATER PUMPING MAIN BRIDGE CROSSINGS ASSESSMENT****COMMITTEE RESOLUTION 2019/36**

Moved: Mr Chris Olsen

Seconded: His Worship the Mayor Craig Little

That the Committee agrees:

- a. Undertake the design work at the current estimate of \$37,500+GST to be completed this financial year.
- b. Include the physical work in the next Annual Plan for work to proceed as described in the attached Water mains Instability Risk Assessment Report and the current estimate of \$260,000+GST

**CARRIED**

Closing karakia given by Cr C Lambert

**The Meeting closed at 2.44pm.**

**The minutes of this meeting were confirmed at the Infrastructure Committee Meeting held on 12 November 2019.**

  
CHAIRPERSON



.....  
CHIEF EXECUTIVE OFFICER

**8 GENERAL ITEMS****8.1 WAIROA HIGH PRODUCTIVITY VEHICLE MOTOR VEHICLE (HPMV) BRIDGE UPGRADES  
PGF - UPDATE ON PROGRESS**

**Author:** Mike Hardie, Kaiwhakahaere Hua Pūmau Huarahi (Taupua) Acting Transport Asset Manager

**Authoriser:** Stephen Heath, Pouwhakarae – Hua Pūmau Hapori / Ratonga Group Manager Community Assets and Services

**Appendices:** 1. February 2020 Progress Report [↓](#)

**PURPOSE**

- 1.1 This report provides information for Committee on the progress of the \$2.2m PGF funding for assessing and strengthening key bridges to High Productivity Motor Vehicle (HPMV) standard. No decisions are required by Committee at this stage.
- 1.2 As per agreement with the Provincial Development Unit (PDU), Wairoa District Council is required to provide regular updates on progress with this project. If this report is received by the committee, it will form the required update.

**RECOMMENDATION**

The Kaiwhakahaere Hua Pūmau Huarahi (Taupua) Acting Transport Asset Manager RECOMMENDS that Committee receive the report.

**Signatories**

	
<p>Author Mike Hardie</p>	<p>Approved by Stephen Heath</p>

Project Number: 2-S5091.00

# PGF Project Updates

## February 2020

19 February 2020

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Project Number: 2-S5091.00  
PGF Project Updates  
Quarter 1 2020

## 1 Summary

This report provides an update of progress on the Wairoa District Council (WDC) Provincial Growth Fund (PGF) Assessment and Strengthening Project, the purpose of which is to programme assessment and strengthening of bridge assets within the local region.

The assessment and strengthening of the proposed structures will allow WDC to provide a road network that is future ready and without restriction to industry when delivering to the market.

## 2 Project Tracking

This report highlights progress made since the last report submission and will provide an overview of the status of each task.

The report will cover a number of task specific details, such as: estimated time frames, current expenditure and estimated budgets and a summary of each individual task, with information on work completed to date.

### 2.1 Project Summary

The WDC PGF Assessment and Strengthening Project is being managed and undertaken locally within Napier, Hawkes Bay, by WSP New Zealand.

The project is split into two major stages of work. The first stage of work is to assess each structure to HPMV loading, followed by determining strengthening requirements where required. The anticipated completion date of Stage 1 is June 2020.

Stage 2 will commence immediately after and will continue the work of Stage 1, developing suitable strengthening designs for each structure that does not meet the required HPMV loading criteria.

Currently the project is tracking well, with the anticipated completion of Stage 1, by June 2020 as planned.

19 of the 27 structures are currently under assessment. Preliminary results suggest that 2 of the structures will require strengthening works.

Currently the list of bridges anticipated to require strengthening is:

- Ngamahanga Bridge
- Doughboy Bridge

### 2.2 January 2020 Progress

Ngamahanga Bridge options report (U19-60) was submitted in January 2020 and WDC have accepted the proposal for installing a new laminated timber deck on the structure. Initially the work was scheduled for a start date after the completion of Stage 1, but this has been brought forward with the aim that construction can be completed prior to June 2020.

The assessment report for Doughboy Bridge has been completed and indicates that the deck is below the required capacity. The deck replacement works will be programmed to be undertaken during Stage 2 of the PGF programme.

Table 1 below highlights the status of the remaining PGF Project tasks:



Project Number: 2-S5091.00  
 PCF Project Updates  
 Quarter 1 2020

Table 1: PCF Progress Table

Task Number	Bridge Name	Road name	Project Status
CA020	STRATHOLME BRIDGE	WAIHUA VALLEY ROAD (568)	Completed
CA021	HOMELIGH BRIDGE	AWAMATE ROAD (451)	Active
CA022	TE REINGA BRIDGE	RUAKITURI ROAD (546)	Active
CA025	HURUMUA BRIDGE	AWAMATE ROAD (451)	Active
CA027	FALLS BRIDGE	RUAPAPA ROAD (500)	Active
CA028	SPENCES BRIDGE	SPENCE ROAD (547)	Active
CA029	WATERDRIVE NO.2 BRIDGE	WILLOWFLAT ROAD (573)	Active
CA030	PAPA CREEK BRIDGE	RUAKITURI ROAD (546)	Active
CA031	DOUGHBOY BRIDGE	RUAKITURI ROAD (546)	Active
CA032	BOOTHMAN BRIDGE	RUAKITURI ROAD (546)	Active
CA033	PENTY BRIDGE	RUAKITURI ROAD (546)	Active
CA036	NGAMAHANGA BRIDGE	WAIHUA VALLEY ROAD (568)	Active
CA037	PIHANGA NO.1 CULVERT	RUAKITURI ROAD (546)	Active
CA037	PIHANGA NO.2 CULVERT	RUAKITURI ROAD (546)	Active
CA037	RUAKITURI RD 19.525 CULVERT	RUAKITURI ROAD (546)	Active
CA038	RIVERINA CULVERT	RIVERINA ROAD (498)	Active
CA038	CULVERT 10426	RUAPAPA ROAD (500)	Active
CA038	RUAPAPA RD 25.32 CULVERT	RUAPAPA ROAD (500)	Active
CA039	TE TUHI BRIDGE	RUAKITURI ROAD (546)	Active
CA040	TUTAEKURI BRIDGE	AWAMATE ROAD (451)	Active
CA041	KAKA CREEK BRIDGE	MOHAKA COACH ROAD (559)	On Hold
CA042	MANGARUHE BRIDGE	RIVERINA ROAD (498)	On Hold
CA043	BARKER BRIDGE	RUAKITURI ROAD (546)	On Hold
CA044	PAERAEROA BRIDGE	RUAPAPA ROAD (500)	Info. Req.
CA045	KNOCKLAYDE BRIDGE	WAIHUA VALLEY ROAD (568)	On Hold
CA046	RAUPANI BRIDGE	WAIHUA VALLEY ROAD (568)	On Hold
CA047	WILLOWFLAT SETTLEMENT BRIDGE	WILLOWFLAT ROAD (573)	On Hold



Project Number: 2-S5091.00  
 PCF Project Updates  
 Quarter 1 2020

### 2.3 Project Risks

Ngamahanga Bridge is currently programmed to be completed before the end of Stage 1, at the end of this financial year. With the design and tender taking place in the optimal (summer) months, the construction would be required to be completed towards the end of the year where the weather poses a potential risk to the timeline of the project.

### 2.4 Project Local Benefits.

The Ngamahanga Bridge Strengthening option selected includes the installation of a new laminated timber deck. This option will be the first of its kind in the Hawkes Bay region, which will provide the local workforce with new skills to enable them to expand their construction expertise.

### 2.5 Project Financials

A desktop study was completed with collaboration between WDC and WSP. This study helped identify missing information required to complete the assessments on six bridges, reducing the extent of on-site investigation works to be completed. The resulting reduction in on-site investigation works has led to financial savings, as can be identified in Figure 1 below.

Table 2 below provides an overview of the current Stage 1 project financials. Figure 1 below details individual task financials.

Table 2: Project Financial Overview

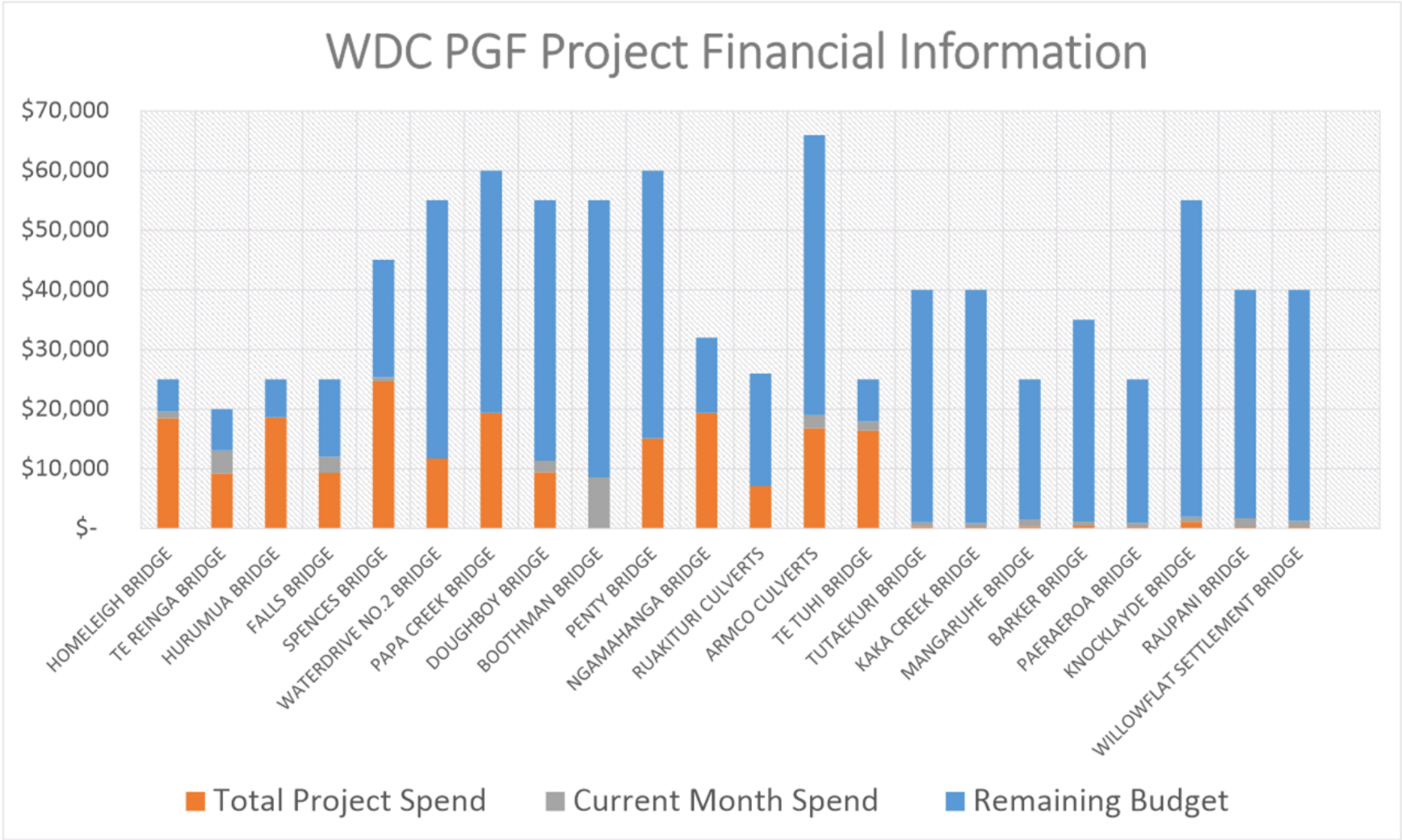
Stage 1	
Consultant Assessment Fees	\$440,000
Site Investigation Fees	\$430,000
Total Agreed Fees	\$870,000
Total Billed Fees	\$198,663
Total Month Fees	\$29,881

#### Stage 2

- Combined consultant design fees and construction - \$1,200,000

Project Number: 2-S5091.00  
PGF Project Updates  
Quarter 1 2020

Figure 1: PGF Project Financial Information



Project Number: 2-S5091.00  
PCF Project Updates  
Quarter 1 2020

## 2.6 Project Recommendations

Current financials and project status indicate that the assessment costs will come in below the total anticipated costs.

Early indications also suggest that the remaining assessments will also find the structures to be adequate for HPMV loading. This will have a knock-on effect of reducing the overall cost to strengthen the bridges in Stage 2.

If this is the case, it is possible that additional assessments could be undertaken as part of the Stage 2 works to open further routes to HPMV vehicles.

The desktop study undertaken by Local WDC personnel in collaboration with WSP assisted in saving up to \$430,000 in Stage 1 costs. The desktop study was completed in late December and currently has removed the need for site testing on 6/7 bridges.

It is hoped that with similar research into the last remaining structure, all necessary information to complete the assessment will be uncovered and the assessment will be able to progress.

## 2.7 Discussions

The project to date has included personnel resources from both WSP Napier and WDC. The project has relied on WSP global knowledge to determine the most cost-effective ways forward in determining each structures capacity. This has allowed our local workforce to develop their skills ready to undertake future structural analysis within the region.

When complete, the project will open up multiple HPMV routes to local companies and allow them to upscale their local haulage capability.



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