

Project Name - Napier to Wairoa variation for storm damage

Project Definition

- The Napier to Wairoa project was announced in February 2018 and provides capital to reinstate the Napier to Wairoa line bringing it up to a safe operating standard that is suitable for lower speed forestry traffic.
- On the basis of this approval, work commenced to reinstate the line on 26 February 2018.
- However, as work commenced on the line between Napier and Wairoa a localised weather event occurred in the Eskdale area on 8 March 2018, with the Esk River breaking its banks. Heavy rain and flash flooding damaged parts of the line, including one large washout affecting more than 100m of track, along with multiple smaller washouts, and debris such as trees on the line.
- A variety of methods are required for the repairs:
 - Clearance of smaller slips across the track to waste
 - Replacement of formation and ballast at sites where overland water flow has scoured out the track - this requires importing ballast from outside the area
 - Repair of and construction of a number of retaining walls
 - Slewing track away from a failed slope/ wall
 - Earthworks rebuild at sites of major washout
- Photos of the damage are attached as Appendix One. The total cost of repairing the storm damage is estimated at \$1.2 million. Accordingly an additional \$1.2m is sought from the PGF to address these repairs.
- This additional funding request was discussed with the Provincial Development Unit (PDU) at the time of agreeing the funding agreement for the main Napier to Wairoa project, and it was agreed that this be treated as a variation to the main funding agreement.

Purpose

- This investment supports the broader Napier to Wairoa reinstatement and enables the overall project to be delivered in accordance with specifications. The additional funding is a critical requirement if the broader project is to be delivered.
- KiwiRail has estimated that using the Napier to Wairoa line to move 80,000 tonnes of logs could take around 5,000 trucks a year off the road.

Parties

Recipient: KiwiRail

Exec Contact: **Commercial Information**

Registered Address: Level 3, 8-14 Stanley St, Parnell, Auckland 1010 (Mailing Address: Private Bag 92138, Victoria Street West, Auckland Mail Centre 1142)

Total Grant Amount

- The original grant amount is \$5.0 million (excl GST).
- KiwiRail is seeking a further \$1.2 million for fixing storm damage caused in March 2018. The total funding requested for the reinstatement project is therefore \$6.2 million (excl GST).
- This application has been discussed with the PDU and it is proposed that the additional \$1.2 million is treated as a variation to the funding agreement.

Project Budget

The larger sites are tabled below with high level estimates:

	meterage	estimate
Dropout undermining track	Commercial Information	\$ Commercial Information
retaining wall failure	Commercial Information	\$ Commercial Information
Failed wall, ballast shoulder loss	Commercial Information	\$ Commercial Information
Washout 22m	Commercial Information - Commercial Information	\$ Commercial Information
scour 12m RHS	Commercial Information - Commercial Information	\$ Commercial Information
scour	Commercial Information - Commercial Information	\$ Commercial Information
scour	Commercial Information - Commercial Information	\$ Commercial Information
scour	Commercial Information	\$ Commercial Information
scour	Commercial Information - Commercial Information	\$ Commercial Information
Rebuild retaining wall	Commercial Information	\$ Commercial Information
culvert to clear	Commercial Information	\$ Commercial Information
dropout wall required	Commercial Information - Commercial Information	\$ Commercial Information
major washout	Commercial Information	\$ Commercial Information
dropout wall required	Commercial Information	\$ Commercial Information
3 slips	Commercial Information - Commercial Information	\$ Commercial Information
small washout	Commercial Information	\$ Commercial Information
nth end tunnel 6 slip / trees	Commercial Information	\$ Commercial Information
slip	Commercial Information	\$ Commercial Information
nth end tunnel 8 slip	Commercial Information	\$ Commercial Information
Total Estimated Repair		\$ Commercial Information

Project Deliverables

Repairing the storm damage will form an integral part of the overall reinstatement project and therefore the deliverables are the same.

The key deliverable is the completion of works – estimated **Commercial Information**. Key milestones are shown below.

Key Milestones	Estimated Date
Commence works onsite (vegetation clearance)	Commercial Information
Completion of slip repair works at Commercial Information	Commercial Information
Completion of bridge resleepers	Commercial Information
First worktrain to deliver sleepers	Commercial Information
First Ballast train	Commercial Information
Arrival of Tamper	Commercial Information
First EM80 run for geometry checks	Commercial Information
Second / final EM80 run	Commercial Information
Run NDT car	Commercial Information
Hand back Napier to Wairoa for ordinary service	Commercial Information
First train service (subject to commercial arrangements)	Expected Commercial Information

Project Reporting

- The network reinstatement project is being delivered by the KiwiRail Networks team with some external labour for services such as tree removal.
- A regular project report for the full project will be provided, including:
 - Project update
 - Progress against milestones
 - Financials against budget
 - Risks
 - Stakeholder management and communication

Photos of Storm Damage





