

Cyclone Gabrielle Recovery Activity

Minister's Weekly Update

28 July 2023



Waka Kotahi three phase response to the impacts of Cyclone Gabrielle

Phase	Description	Current state
One: Emergency Response	Open temporary emergency access and lifelines to affected and isolated communities. Some customer access is likely to be restricted (e.g. freight).	<p>State Highway 25A in the Coromandel is the only part of the network that is still closed due to damage caused by Cyclone Gabrielle.</p> <p>Following a more recent weather event, State Highway 50 south of Hastings remains closed at the Waipawa River. Traffic management and speed restrictions are in place on State Highway 2 between Napier and Wairoa, as well as Gisborne and Ōpōtiki while repairs continue.</p>
Two: Providing access for communities	Once lifeline connections are established, start to lift the level of service to support community access. This includes assessment, stabilisation, minor works and some maintenance.	<p>A full assessment is underway on all corridors that were affected.</p> <p>Maintenance and Operations teams are continuing to repair at-risk sites, while rebuild strategic planning is underway.</p>
Three: Rebuild and betterment for the long term	Undertaking permanent rebuild alongside our partners.	Strategic Planning is underway for three regions – Northland, Coromandel and East Coast – and is expected to be complete between July and September 2023.

Road status - Key operational progress updates

Overall



RAG status (arrow) colour shows status and the arrow direction shows change from the last report.

Northland

- **State Highway 1, Mangamuka.** Progress to date has been exceptional with a high level of productivity. Design and procurement activities are complete, except for two new slips. Night work continues. Target completion date of May 2024 completion is under pressure due to additional slips and ongoing extreme weather events.
- **State Highway 1, Brynderwyns.** Proposals for Gold/Silver/Bronze methodology are being developed collaboratively between Fulton Hogan and Waka Kotahi. These are due mid-August 2023 to support funding and business cases. State Highway 12 and 16 works have been scoped and work will start in the next couple of weeks. The Northland Recovery and Resilience Delivery Programme Procurement Strategy is in final draft state.
- **State Highway 1, Whangarei to Dome Valley.** Scope for **Dome Valley** is being developed collaboratively between Waka Kotahi and Wharehine.

Coromandel

- Physical works have been completed on the underslip at **State Highway 25, Opoutere-McBeth.**
- **State Highway 25A, Kopu to Hikuai,** remains closed to all vehicles until further notice.
- **State Highway 25A Taparahi bridge.** Consortia has established on site and design work is ongoing. The team continue to work through the commercial aspects with the consortia. The building consent exemption has been submitted to Thames-Coromandel District Council. The oversize casings have been sourced, which was a risk item.
- **State Highway 25 Wilson Bay** rockfill embankment. Rock filling and associated works are ongoing and progressing well on the first of the two stages of this large site. Works on this site may take up to three months to fully complete. Theft of diesel, machinery parts and batteries has been an ongoing issue at this site.
- **Ruamahunga Bay.** GeoStabilisation New Zealand Limited (GSI) are expecting to have a design for preventive maintenance works at this site submitted on or before 10 August 2023. Additional investigation works by GSI to aid in the design process will be facilitated by the Recovery Works Manager. Avalon submitted a blasting plan on 25 July 2023 for a small section of fractured and overlaid rock between the two major clay slips.
- **State Highway 25 Tararu Rockfill Embankment.** Works are ongoing at this site and are expected to be completed by the end of August 2023.
- **Pumpkin Hill cracking.** The draft Concept Options Report was submitted by Beca the week of 17 July 2023 and the decision made to proceed to the delivery of Option 3, a rockfill embankment. The approval from the adjacent landowner for the undertaking of works from the private land area has been provided and physical works commenced on 25 July 2023.

Road status - Key operational progress updates

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Coromandel continued

- **State Highway 25 Temporary Speed Limit Changes.** The changes have been approved and we are currently mobilising to implement them. This is expected to take approximately six weeks to complete.

Tairāwhiti

- The closures on **State Highway 2, north of Te Karaka** were completed over the last two weeks and the hazardous trees have been successfully removed.
- The cyclone-damaged **Hikuwai no.1 bridge on State Highway 35 north of Gisborne** has been completely dismantled and removed. To do this, the **Hikuwai Bailey bridge** closed from 7am 17 July 2023 and reopened at 5am 27 July 2023. During this time the approaches to the bridge were sealed. The **Pourau Road** bypass remained open to all traffic while this work took place.
- **State Highway 35** remains open, with a bypass road past the **Mangahauini Gorge slip**. The network remains fragile, and we continue to monitor for any changes with weather events.
- Asphalt Concrete (AC) Programme was paused following a period of unfavourable weather, however the programme will recommence on 7 August 2023 on **State Highway 2 north between Gisborne and Matawai**, weather dependant.
- Foamed bitumen stabilisation¹ pavement work on **State Highway 2, Waioeka Gorge and State Highway 2 Wairoa to Gisborne**, is nearing 50 percent complete. Due to the inclement weather the decision has been made to pause the programme until September 2023. In the meantime the remaining sites that were not completed will have a focus on drainage while they dry out in preparation for completing the work.
- Due to multiple dropouts **State Highway 2 north between Te Karaka and Matawai** is operating with convoys during the day, and under temporary traffic lights at night, until further notice.

¹Foamed bitumen stabilisation (FBS) involves in situ stabilisation of pavement materials with bitumen as the primary binder. The process is used to improve the strength of granular materials, while retaining a flexible pavement. The advantage of FBS is that its more resistant to moisture once compacted and it can be opened to traffic much earlier than cement-bound products.

Road status - Key operational progress updates

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Hawke's Bay

- **State Highway 2, Devils Elbow** has been widened, however is still operating with one lane due to other slips on the road. We intend to provide two lane access in the future, although recovery works are yet to be started.
- **State Highway 2 between Napier and Wairoa** is open and functioning well. Traffic management is in place and recovery works continue throughout the corridor.
- Emergency works along **State Highway 5** continue to progress. The **Esk Forest** underslip has been backfilled to road level, and components for the Meridian Harapaki windfarm were successfully transported through the backfilled site. The repair for the dropout at **Elands** is estimated to take six weeks.
- During the recent heavy weather event, a bridge abutment was washed out at the **Waipawa River on State Highway 50**. The road is closed between **Tikokino and Ongaonga** while detailed design and physical works are undertaken. Recent rain caused the river to divert away from the recently constructed channel which has caused a slight delay to works. It is expected that the road will be closed for at least two months while reinstatement work takes place.

Regional Resilience Plans

Regional Councils, through their Regional Recovery Agencies, have completed initial resilience plans. These are continuing to be developed, with further iterations expected towards the end of 2023.

- Waka Kotahi has developed four specific Resilient Strategic Recovery (RSR) plans, one of which has been completed and endorsed (Tairāwhiti Wairoa) and three that are reaching completion (Whangārei to Dome Valley, Coromandel Hauraki and Hawke's Bay). High level costings for all regions have been provided to Te Manatū Waka Ministry of Transport.
- The three projects reaching completion are going through internal reviews, and are developing their final documentation.
- The Tairāwhiti Wairoa Resilient Strategic Recovery project has been endorsed by the Waka Kotahi Board, and the other three recovery plans will seek endorsement in September 2023.
- Local councils are generally supportive of the Resilient Strategic Recovery work, and expect that the preferred programmes being developed will be delivered.
- The expectation is that this work will deliver an appropriate level of service with respect to resilience on the state highway network. Many local councils are advising that they anticipate the costs associated with a full rebuild of their transport network to be unaffordable.
- Waka Kotahi is actively working with local councils and suppliers, particularly on the East Coast, to manage this as best possible to suit all parties. Councils have generally been keen to work with Waka Kotahi during the planning stages, and there has been good collaboration to date.

Recovery milestones, events, and initiatives

Updated – 26 July 2023

Region	Type	Site/project	Information about the milestone, event or initiative	Timing
Northland	Milestone	SH1 Mangamuka Gorge	After significant damage in August 2022, permanent repairs completed, and the road will be reopened.	May 2024
Hawke's Bay	Milestone	SH5 – Esk underslip - large under slip between Glengarry and Te Pōhue	Repair work underway to build buttress and reconstruct the road.	End of August 2023
Hawke's Bay	Milestone	SH5 – Mangakōpikopiko Stream – 3 x erosion sites	Temporary work started 1 May 2023 to protect the road; permanent design will be undertaken by the Transport Rebuild East Coast (TREC) Alliance; it will include iwi engagement/co-design	End of July 2023 (completion of temporary works)
Hawke's Bay	Milestone	SH5 Te Hāroto Scour (Captain's Culvert)	Design is underway with construction anticipated to start at the end of July to reconstruct the road as it was. Large box culvert inlet improvements will also be completed.	Construction start end of July 2023
Coromandel	Milestone	SH25A	SH25A site visit opportunity SH25A bridge completion	18 August 2023 March 2024

Transport Rebuild East Coast (TREC) Alliance / strategic planning

Transport Rebuild East Coast (TREC) Alliance

- Recruitment continues for the second tranche of roles, with over 80 roles being recruited currently. Most of these roles will commence with the Alliance in August and September 2023.
- The request for proposal (RFP) process for Professional Services organisations to join the design sub-alliance as founding partners continues, with the aim to advise preferred suppliers in August 2023.
- Following that there will be a subsequent process to procure a second tranche of professional service providers, focused on local providers.
- We have held a procurement information session for contractors in Gisborne this week, with a similar session being held in Napier next week.
- Discussions are taking place around the transition of Waka Kotahi teams and processes into TREC.

Strategic Recovery Framework

East Coast - Tairāwhiti/Wairoa

- The Tairāwhiti Wairoa Resilience Strategic Approach has now been completed and endorsed by the Waka Kotahi Board.
- Work continues on ensuring a smooth transition from strategic project to alliance design and delivery.

East Coast - Hawke's Bay

- Documentation has been finalised, and is going through an internal review process over the coming weeks.
- The project is on track to seek endorsement from the Waka Kotahi Board in late September 2023.
- Work continues on ensuring a smooth transition from strategic project to Alliance design and delivery.

Strategic planning continued

Coromandel / Hauraki

- Documentation has been finalised, and is going through an internal review process over the coming weeks.
- The project is on track to seek endorsement from the Waka Kotahi Board in late September 2023.
- We are looking to complete a close-out meeting with key members of the steering group, to ensure that all issues have been addressed.

Whangārei to Dome Valley

- Documentation has been completed, with the lower cost option now progressed.
- Investment Quality Assurance (IQA) review is underway.
- The project is on track to seek endorsement from the Waka Kotahi Board in late September 2023.

Bailey Bridges

The National Emergency Management Agency holds the responsibility for prioritisation decision making; Waka Kotahi is working with councils and contractors to manage the nominations, provision, and clear communications on expected timeframes and process.

Funding has now been confirmed to replace Bailey bridge stock, a need that stemmed from the use of most reserve stock to replace the bridges destroyed during Cyclone Gabrielle. We currently only have a minimal number of bridges available nationwide for emergency use, and therefore would have a limited response to another significant weather event.

Work is also underway to repair damaged components to increase the available number of our current Bailey bridge stock.

NEMA PRIORITISED BAILEY BRIDGES AND STATUS			
Bridge & Name	Road Controlling Authority	Status	Bailey Bridge Opening
Opoiti Bridge on Tiniroto Road	Wairoa District Council	Bridge installation completed	23 February
Rissington Bridge on Puketitiri Road	Hastings District Council	Bridge installation completed	31 March
Makiekie (Coal) Creek Bridge on Pohangina Road	Manawatu District Council	Bridge installation completed	21 April
SH2 Waikare River Bridge	Waka Kotahi, Hawke's Bay	Bridge installation completed	14 May
Whanawhana Bridge on Whanawhana Road	Hastings District Council	Bridge installation completed	15 May
Moeangiangi Bridge on Waikare Rd	Hastings District Council	OPEN. Still completing works alongside being open.	13 June
SH35 Hikuwai No. 1 Bridge	Waka Kotahi, Gisborne	Bridge installation completed	14 June
Mangatutu Low Level Bridge on Mangatutu Road	Hastings District Council	OPEN. Still completing works alongside being open.	15 June
Folles Bridge on Waihau Rd	Hastings District Council	Bailey bridge complete. Approach works ongoing.	14 July
Awatere Bridge on East Cape Rd	Gisborne District Council	Finished on 21 July and handed over to local contractors for approaches. Opened 22 July to all vehicles up to Class 1 or 44 tonne. Ford crossing will remain open for use during low flow conditions.	22 July
Ellis-Wallace Bridge on Ellis Wallace Road	Hastings District Council	Work has started and progressing on schedule	2 August
Hollywood Bridge on Bushy Knoll Road	Gisborne District Council	Mabey bridge will be used due to span required. Site prep works underway, bridge components that were shipped from Sydney and are now in the country and being shipped to Gisborne.	End of August
Te Reinga Bridge on Ruakitura Road	Wairoa District Council	Existing bridge has been demolished. Single span Bailey between the staging works to be installed.	TBC

Bridge Name	Road Controlling Authority	Status update
Arapaoanui low level bridge	Hastings District Council	Access established
Dartmoor bridge	Hastings District Council	Access established
Matapiro bridge	Hastings District Council	Temporary access is being re-established after wash out. Options being confirmed for the permanent structure.
Crownthrope bridge	Hastings District Council	17 July - Pedestrian access Construction to continue, light vehicle access being established from 24 July
Brookfield Bridge	Hastings District Council	Resilience options for determining the outcome.
Te Puna bridge	Hastings District Council	RCA advised that alternative solution was being pursued.
Puketapu bridge	Hastings District Council	Proposing solutions for access, working through design.
Darkeys Spur no.1 bridge	Hastings District Council	Large scale works required
Mclvars culvert	Hastings District Council	Temp access established. Permanent solution initiated for resilience.

Funding update at 26 July 2023*

Initial response

Update on funding approvals and amounts claimed:

2022/23 \$million	Approved as at 17- July-23 (funding allocated for specific activity)	Approved as at 24- July-23 (funding allocated for specific activity)	Change since last week	Claimed as at 17- July-23 (accrued commitments/ payments made)	Claimed as at 24- July-23 (accrued commitments/ payments made)	Change since last week
Local Roads	259	259	0	210.2	210.0	-0.2
State Highways	95.2 (est.)	95.2 (est.)	0	97.2	110.9	13.7
TOTAL	354.2 (est.)	354.2 (est.)	0	307.4	320.9	13.5

Key Points:

- Final claims for the 2022/23 financial year have been received. Confirmed expenditure will be available from early August 2023 but we estimate will be circa \$320 million. A capital injection (\$72 million) to address the shortfall in 2022/23 funding vs the appropriation (\$250 million) has been approved by Cabinet.
- Adjustments on state highways claims this week were made by Hawke's Bay region (\$10.5 million), Northland region (\$3.1 million) and Bay of Plenty region (\$100,000).
- Adjustments on local roads claims this week were made by Hastings District Council (-\$250,000), Ruapehu District Council (-\$101,000), Waitomo District Council (-\$3,000), Carterton District Council (\$5,000) and Tauranga City Council (\$142,000).

*Note: figures are NLTF share. Claims relate to 2022/23 only. Spend for 2023/24 will start to be included in next week's report