

21/01/2022

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Hi,

Please find below an update on the road work underway in several Banks Peninsula bays, following the December rain storm event.

Background information

On 15 and 16 December 2021 the Eastern Bays on Banks Peninsula were subject to a severe rain storm. The heavy rainfall caused numerous slips, scouring and fallen trees across roads. While Christchurch received around 75mm of rainfall, the Eastern Bays on the Peninsula received twice this volume, including 77mm in five hours.

Before the storm event Council staff and contractors carried out several measures including clearing sumps and culverts in areas known for high rainfall/tidal movement and utilising retention ponds for drainage. The use of retention ponds minimised river level rise in the upper reaches, and to an extent in the lower reaches.

However the significant amount of rain, meant there was extensive damage to various bays that has required ongoing road work.

Results of the rain storm

Residents were evacuated in Le Bons Bay with slips, drop outs and flooding resulting in the closure of several roads and a loss of power and phone connections.

Happening so close to Christmas meant a significant amount of resourcing was required to get access for all residents. On any given day our maintenance provider (Fulton Hogan) had up to 12 excavator crews and various loaders working across the affected areas.

Below are some photos from the first few days at specific locations.



Above: Goughs Road, where approximately 30 metres of the road dropped away to 12 metres below its original position.



Above: Damage on Long Bay Road



Le Bons Valley Road bridge



Le Bons Bay Road



Flea Bay Road bridge

Below are some photos from the first few days showing wider damage across the Banks Peninsula area.



Above: Material has slipped down the hillsides and covered the road.



Above: Water has scoured out the road.



Above: The sides of the road have dropped away.



Above: The original path of water has changed and scoured out the road.

Road updates

Flea Bay

Original damage

Various small slips. Bridge washed out at the end of the road.

What has been done to make it safe/remediated?

Slips have been removed, a temporary ford plus twin 600mm culverts have been installed.

What still needs to be completed?

Design and replacement of the bridge.

Timeframe for this work to be completed

Tbc, as discussions are currently taking place to decide a way forward.

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Fully open.

Goughs Bay

Original damage

Various full length slips, dropouts on the bottom half of the road, with a full road dropout approx. half way down.

What has been done to make it safe/remediated?

A path has been cleared through all slips to the main slip. Quad bike access has been created to all residents below the slip.

What still needs to be completed?

Work is underway on creating access for residents to get out of the bay. Slip clearing below the main slip to the bottom. Repairs to culverts and dropouts below the main slip. Design and construction of a solution for the main dropout.

Timeframe for this work to be completed

The slips are planned to be cleared within 1 month.

Culverts over the next 3 months.

We will have a clearer plan as to what we can do to fix the dropout over the next two weeks.

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Gated with resident/ farm only access.

Hickory Bay

Original damage

Various slips full length and one main dropout half way.

What has been done to make it safe/remediated?

A path has been cleared through all slips.

What still needs to be completed?

Clear remaining slip material, replace damaged culverts and repair dropout. Approx. 50 per cent of work is completed.

Timeframe for this work to be completed

Planned to be completed within 1 month

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Gated with resident/ farm only access. Considering opening the gates over the weekend once we are further through the repairs.

Lavericks Bay

Original damage

Severe scouring and slips on Lavericks Ridge Rd.

What has been done to make it safe/remediated?

Slips cleared and worst scouring filled.

What still needs to be completed?

Filling of scouring and potentially more metal added to the road.

Timeframe for this work to be completed

Planned to be completed within 1 month

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Fully open.

Le Bons Bay

Original damage

Various flooding debris, one large debris flow and one blocked culvert that caused damage to the seal.

What has been done to make it safe/remediated?

Slips/ debris have all been removed (except one which we are waiting on Orion to install a pole next to it). A temporary pavement repair has been made to the sealed part of the road. Once all work is completed we will be making permanent repairs to this sealed section.

What still needs to be completed?

Prepare and seal damaged sealed area.

Timeframe for this work to be completed

Planned to be completed within 2 months

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Fully open.

Long Bay

Original damage

Various small and large slips full length from Fishermans Bay Road, large dropout above Paua Bay Road and various slips.

What has been done to make it safe/remediated?

A path has been cleared through all slips.

What still needs to be completed?

Clear remaining slip material, approx. 50 per cent of this is completed. Design and repair of main slip.

Timeframe for this work to be completed

The slips are planned to be cleared within 1 month.

We will have a clearer plan as to what we can do to fix the main slip within the next few weeks.

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Gated with resident/ farm only access.

Stony Bay

Original damage

Severe scouring and slips on outer side of harbour.

What has been done to make it safe/remediated?

Slips cleared and worst scouring filled.

What still needs to be completed?

Metal build up on bottom end of road along with a couple culvert replacements.

Timeframe for this work to be completed

Planned to be completed within 3 months

Current state of the road e.g. open/closed/residents only/open at weekends etc.

Fully open.

Stay updated

Due to the complexity of the repairs required, particularly regarding Goughs Road, work will continue for some time. If you wish to stay updated on progress you can subscribe to our newsletter at www.ccc.govt.nz/bankspeninsula.

Newsletters will be sent on a regular basis and will also be posted to the webpage once they are sent.

Please be assured that we are doing all we can for all residents affected in the Peninsula area.

If you have any other questions please don't hesitate to contact me.

Kind Regards

Steve Guy

City Streets Maintenance Manager

Transport Unit

Christchurch City Council