

**KAIKOURA EARTHQUAKE RECOVERY COMMITTEE MEETING HELD
ON WEDNESDAY 26 APRIL 2017 AT COUNCIL CHAMBERS, KAIKOURA
CIVIC BUILDING, 96 WEST END, KAIKOURA.**

AGENDA

1. *Apologies*
2. *Declarations of Interest*
3. *Matters of Importance to be raised as Urgent Business*
4. *Confirmation of Minutes 15/03/2017*

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5. *Minutes Action List*

Meeting	Action Required	By	Progress
Earthquake Recovery Committee 25/01/2017	Prepare MOU with Marlborough District Council regarding assistance with daily functions which were being undertaken for the Northern communities of the district.	Chief Executive Officer	Awaiting outcome of solid waste report.
Earthquake Recovery Committee 21/12/2016	Review roading programme and identify time periods for projects	Operations and Maintenance Manager	Refer Replacement of Damaged Infrastructure report.
Earthquake Recovery Committee 21/02/2017	Follow up with D Brash regarding funding for Waipapa slipway	Chief Executive Officer	This matter had been raised with the National Recovery Office. A verbal update will be provided at the meeting.

6. *Planning Update* *page 4*
7. *Building Update* *page 7*
8. *Infrastructure Update* *page 8*
9. *Earthquake Generated Hazards* *page 11*
10. *Rural Recycling Services North* *page 14*
11. *Replacement of Damaged Infrastructure* *page 16*
12. *Urgent Business*

To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Planning Update
Prepared by:	Matt Hoggard Planning and Building Manager
Authorised by:	Angela Oosthuizen Chief Executive Officer

Update to 18 April 2017

Consents related to restoration works

The Order in Council deadline relating to shortened resource consent processing timeframes of 31 March has passed. Any future consents received for restoration work will go through an alternative process to the typical Resource Management Act, however the 3 day processing and no-notification requirements will no longer apply. Consents received prior to 31 March included:

Location of restoration work	Consent number	Consent holder
Sites 2 (Iron gate), 6 (Ohau) and 7 (N of Ohau)	LU-2017-1448-00	NZTA
Coastal route north of Kaikōura	LU-2017-1450-00	NZTA
	LU-2017-1453-00	KiwiRail
Coastal route south of Kaikōura	LU-2017-1455-00	NZTA
	LU-2017-1456-00	KiwiRail
Various locations (including temporary activities)	LU-2017-1458-00	NZTA
	LU-2017-1459-00	KiwiRail

Temporary works accommodation

The resource consent in relation to the temporary accommodation facility for NCTIR workers was received on 13 April 2017. This consent is being processed under the traditional RMA framework. The application site is 2 Mt Fyffe Road, more commonly known as Irene's Bolton's property. The site has a Residential B zoning and development of the site is anticipated.

In addition to the application staff have meet with NCTIR about the camp. Some key components about the camp are:

- The camp will be run by ESS- Compass, this company currently manages the New Zealand Defence Force Camps
- Inductions packs will be provided which outline camp and community expectations. Discussions are occurring with the medical centre, social services, the recovery team and Sport Tasman as to how to best support workers within the camp.
- The camp is intended to be a dry camp, with only parties being allowed to have alcohol for personal consumption within an individual's room.
- The camp will consist of support buildings, including gym, dinner and kitchen areas and 76 units. Each unit contains four self-contained rooms, each with a king single bed, shower and toilet.
- The camp is anticipated to be operational for 2 years, and consent is sought for 3years.

The application has a discretionary status and we are currently waiting for some additional information and written approval from affected parties. Development contributions will be required and discussions are occurring. Discretionary activities are presently delegated to the Chief Executive

Officer and District Planner(s). It is noted that the works which are presently occurring on site do not trigger consents. Council will be kept informed of the progress.

Hurunui/Kaikōura Emergency Relief Act, Ministry for the Environment will be meeting with Council staff on 27 April to assist with the evaluation of the above Act. It is this Act which allows for emergency activities to be undertaken by certain rural landowners and occupiers, up until 31st July 2017. A copy of the act can be found here:

http://www.legislation.govt.nz/act/public/2016/0097/latest/DLM7048807.html?search=qs_act%40bill%40regulation%40deemedreg_Hurunui%2fKaik%c5%8dura+Emergency+Relief+Act_resel_25_h&p=1&sr=1 Sections 9 to 14 relate to rural landowners.

It is anticipated that the Ministry for the Environment will want to know if the act is addressing rural needs and if the 31 July date is sufficient. The act also includes emergency powers, and the rehabilitation of the Kaikōura Harbour.

Non-earthquake related resource consents

Acting in accordance with delegated authority Councils CEO has appointed an independent commissioner to determine the following applications:

Activity	Location	Reason for independent commissioner
24 Hour Fuel Stop	136-142 Beach Road	Mayor Winston Gray is the site owner
Variation of Hire Shop Conditions	170 Beach Road	Council staff member has interests in this business.

Both these application are currently on hold awaiting additional information.

WR & P Pacey appeal, the Environment Court has issued an additional memo suggesting either additional information needs to be supplied or a new application needs be lodged. The WR & P Pacey have withdrawn their appeal.

Council Policy

- Resource Legislation Amendment Bill. A separate report has been prepared on this matter.
- Work continues on the review of the natural hazard chapter of the District Plan.

Trails Trust

With the rebuild of State Highway 1 additional focus is now being placed on the formation of a Trails Trust.

Resource Consent Update from 03 March 2017 – 13 April 2017

Resource consent decisions issued:

Type of consent	Applicant	Address of activity	Number of Lots / Guests
Land Use	NZTA	Coastal Route South	
Land Use	KiwiRail	Coastal Route South	
Land Use	NZTA	Coastal Route North	
Land Use	KiwiRail	Coastal Route North	
Land Use	NZTA	Various sites	
Land Use	KiwiRail		
Land Use	L & S Vickers	33 Kotuku Road	
Subdivision	Kingscote R & M	1 Cromer Street	2
Land Use	S & G McConchie	39 Waitane Road	
Subdivision	R & T Ross	45 Ludstone Road	4
Land Use	NZME	Maui Street	
Land Use	D J Pickering	220 Lovers Lane	

Active consent applications currently in progress:

Type of consent	Applicant	Address of activity	Number of Lots / Guests
ROW Approval	Parklands Southland LTD	168 Esplanade	

Consent applications returned as incomplete:

Type of consent	Applicant	Address of activity	Number of Lots / Guests
Land Use	S & G McConchie	39 Waitane Road	

Consent applications awaiting receipt of further information requested from applicant or on hold:

Type of consent	Applicant	Address of activity	Number of Lots / Guests
Change of Conditions	Kaikoura Hire Co	170 Beach Road	
Land Use	NPD	136-142 Beach Road	
Land Use	Chiwis Cafe	114 Beach Road	
Land Use	Tim Hawkins	5A Mill Road	
Land Use	Neville Mitchell	13 Swyncombe Place	
Land Use - Road setback	Kirk	26 Moa Road	
Land Use - Earthworks in Arch Site	KDC	Global for District	
Visitor Accommodation	Hammett	61 South Bay	12
Visitor Accommodation	Page	128 Torquay Street	
Visitor Accommodation	Brown	39 Kotuku Road	8
Subdivision	Vendbos Holdings Ltd	2009 State Highway 1	

To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Building Update
Prepared by:	Matt Hoggard Planning and Building Manager
Authorised by:	Angela Oosthuizen Chief Executive Officer

There were 17 Building Consents with a combined construction value of \$800,700 issued during March 2017. These consents were for:

- 2 residential dwellings
- 14 solid fuel heaters
- 1 telecom transmission pole

We currently have 20 consents being processed.

15 Land Information Memorandums and 6 Code Compliance Certificates were issued in the month of March 2017.

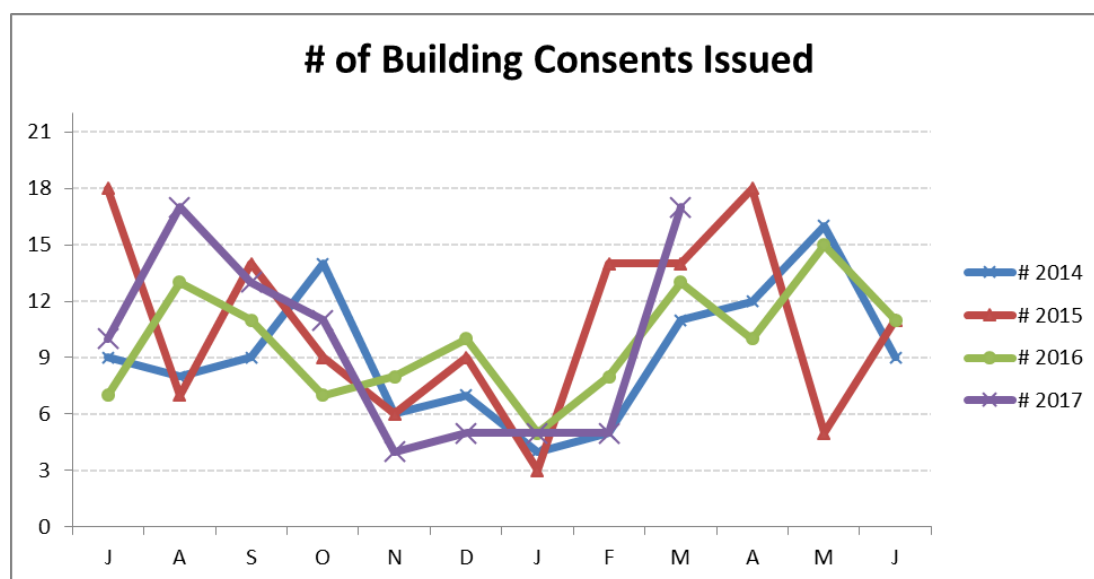
Consent numbers are generally increasing as evidenced from the graph below. With the influx of consents some external processing will be used. We are still awaiting dairy shed applications and are very mindful of the time needed to build and make these sheds operation before the coming milking season. Additional building inspectors will be required. Recruitment to be initiated.

Digital processing of consents

The shift to GoGet processing is occurring. Some initial training and setup is occurring. GoGet will allow for electronic processing of consents including inspection of consents.

IANZ two yearly technical reassessment

Audit material has been supplied and IANZ will be on site 10th to 13th May.



To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Infrastructure Update
Prepared by:	G Essenberg Operations and Maintenance Manager
Authorised by:	A Oosthuizen Chief Executive Officer

Purpose and Origin:

Update on infrastructure.

Background:

The Council undertakes works as required to maintain and improve its assets.

1.0 WATER SUPPLY

All supplies operated in a post-earthquake state. New Water Safety Plans for all supplies are still being completed.

1.1 Urban Water

Operations – Kaikoura Urban Supply

In South Bay, the works associated with the water supply project, in particular the removal of poles, is still not complete.

The earthquake on 14 November caused ongoing significant damage with the consequential results and work:

- Weather has delayed the installation of the rider main and laterals on Mt Fyffe Road.
- All remaining significant earthquake related projects are on hold.

1.2 Suburban Water Supply

A boil water notice was removed but reintroduced due to high turbidity.

1.3 Kincaid Water Supply

The boil water notice is no longer in place.

1.4 Oaro Water Supply

The boil water notice is in place with work being completed to have this removed. The requirements included installing a telemetry system that communicates to the SCADA network and placing Acuflores on the properties on Waitane Road as this is a lower pressure area that could provide backflow.

1.5 Fernleigh Water Supply

The boil water notice is in place with testing being taken to have this removed, other measures to be confirmed through the Water Safety Plan.

1.6 Ocean Ridge Water Supply

The design on the replacement of the reservoir liner and minor repairs is being progressed.

1.7 Peketa Water Supply

The boil water notice is in place. This is likely to be long term until a new source is identified

1.8 East Coast Water Supply

The boil water notice is in place and likely to stay in place pending the outcome of the Water Safety Plan.

2.0 SEWER SYSTEM

The earthquake on 14 November caused significant damage.

- All remaining significant earthquake related projects are on hold.

One of the pumps at Gillings Lane has been removed for repair.

3.0 STORMWATER

Potential further damage is still to be assessed.

4.0 PARKS AND RESERVES, BUILDINGS AND MISCELLANEOUS

4.1 Parks and Reserves

The parks and reserves were satisfactorily maintained during the reporting month with works being undertaken under the new contract. The area in Deal Street and behind the Civic Building has been landscaped and planted. The frontages on Churchill Street have been grassed.

4.2 Airport and Buildings

There have been issues as a result of the earthquake that are being resolved. Initial reports have been received but most significant buildings including the Memorial Hall require additional investigation.

- The old council building electrical repair work is now to occur.

5.0 ROADING

5.1 Roads

The status as at 13 March is:

- All roads are open apart from damaged bridges.
- The alternative route on the South Bank, the Glen Alton Road, has been upgraded and is now complete apart from the installation of some culverts. The road is suitable for winter but is not passable in wet weather due to the Wharekiri Stream.
- Sealing is still to occur on Mill and Red Swamp Road, on hold until decision is made on overlay requirements
- Replacement of damaged culverts on Mt Fyffe, Schoolhouse, Postmans and Old Beach Road has commenced.
- Ongoing slips up the Puhi Puhi due to wet weather on the earthquake slips has caused to road to be closed for several days
- Minor repairable damage to roads and bridges still occurring

A new round of roadside mowing has been completed.

5.2 Footpaths

There have been issues as a result of the earthquake that will be worked on.

5.3 Streetlights

There have been issues as a result of the earthquake that will be worked on:

Streetlight in Takahanga and on the corner of Scarborough and Killarney are being replaced.

5.4 State Highway 1

Further meetings of NCTIR on the future of State Highway 1 north and south were attended by the Operations Manager.

State Highway One south continues to be closed due to weather events and for periods of work. It will be some time before it becomes resilient and reliable access to Christchurch.

Financial Implications and Risks:

The works are funded through normal operating and maintenance and renewals budgets, or through earthquake recovery budgets.

Recommendation:

That this report be received.

Context: The decision to maintain and restore the network to modern standards is related to the original decision that the asset was funded and constructed to meet community requirements.

Policy: Any decision not to undertake the work is a decrease in the Level of Service.

Legislation: As required by Section 77 of the LGA the recommendation is the most appropriate option. There are no additional requirements based on significance or the requirement to consult.

To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Earthquake Generated Hazards
Prepared by:	Rachel Vaughan Natural Environment Recovery
Authorised by:	Angela Oosthuizen Chief Executive Officer

Purpose and Origin:

The purpose of this report is to update the Committee on the status of Earthquake generated natural hazards and life risk hazards. This is to ensure the Council is aware of the life risk from these hazards and the decision processes in place to ensure that any life risk is managed.

Executive Summary:

Kaikoura District Council, in working with Environment Canterbury and the Department of Geological and Nuclear Sciences, has changes in the risks from the landslide dams that was reported in March 2017.

Recommendation:

It is recommended that Council receive this report.

Background:

A report was given at the March 2017 Council meeting, outlining the risk from Earthquake generated hazards. This report is an update on the life risk hazards following the rain event 5-6 April.

Issues and Options:

Table One outlines the main issues associated with geotechnical work streams. The table outlines an Action for each of the areas and the update since the rain event 5-6 April.

Community Views:

Table one outlines the number of affected properties or asset for each of the work streams. The Community are kept informed through public meetings or direct contact.

Since the rain event, residents have been updated on the risk to their properties.

Financial Implications and Risks:

Financial costs have been reduced as a result of the rain event.

Context:

This work fits within the larger Regional Hazard identification work that has been ongoing.

Policy: This work falls under the Earthquake recovery work being undertaken by Council's Recovery team.

Legislation: We have exercised powers under Section 94K, 94L and 94M of the Civil Defence Emergency Management Act 2002 in order to investigate risk of natural hazard, and prevent people and property from risk of natural hazards. Where there is a risk to life, the houses have had a placard to restrict access or prevent occupation under under Section 94K and 94N of the Civil Defence Emergency Management Act 2002.

Geotechnical investigations are ongoing under Section 94L of the Civil Defence Emergency Management Act 2002.

In addition, there are instances where public walkways or roads are restricted due to geotech risk declared under Section 94M of the Civil Defence Emergency Management Act 2002.

The alternative to the Civil Defence Emergency Management Act 2002 is the Building Act. There are powers under Section 124 of the Building Act. These powers apply only to particular buildings; they do not apply to land. The Building Act would not give powers to investigate under Section 94L of the Civil Defence Emergency Management Act 2002, nor powers in public areas Section 94M of the Civil Defence Emergency Management Act 2002.

The powers would have to be transferred to those under s124 the Building Act. The Kaikoura District Council is currently managing natural hazards as a recovery function under the Civil Defence Emergency Management Act 2002. The notice requirements completed under Section 94NA would have to be duplicated to meet the requirements of S125 of the Building Act if the hazard exists when the transitional period civil defence period finishes.

Community Outcomes:

- A Quality Standard of Housing
- Housing affects people's health and wellbeing and the standard of housing reflects the quality of life in our Community.
- Environmental Protection and Enhancement
- Our natural environment and our role as responsible stewards of it, respecting and protecting the health of natural systems today and for generations to come.

Table 1: Main geotechnical work streams within Kaikoura District at the current recovery stage following the M 7.8 14 November 2016 Kaikoura Earthquake as of 28 February 2017.

Work stream name	Update & Timeframes
Dempsey's Track Landslide stability issues	One of three packages being worked up for Government. T & T strongly feel a full site investigation and numerical risk assessment is required.
Flooding and Drainage	Flood channels and drainage networks performed well
Shingle Flows on active fans	Shingle flows increased due to increase flow in the channel, the effect of this is still being reviewed
Ote Makura Stream and Goose Bay settlement	The lake behind this dam has been significantly lowered by a newly cut channel through the downstream lobe of landslide debris. The placards can now be removed as soon as practicable.
Hapuku River and fan area	This lake has partially lowered itself by overtopping and forming an open channel down the true left side adjacent to the valley side. In summary this lake will probably release the lake in a "controlled manner" rather than as a sudden breaching. The stored lake volume still appears to have the potential to threaten life and infrastructure if it was suddenly released but likelihood of this occurring is acceptably low. In the event of strong local earthquake shaking or another extreme rainfall event the situation should be reassessed. In the meantime it is recommended that the current lake level monitoring regime be maintained.
Linton River	A wide open channel has been eroded down through the entire depth of the landslide debris on right side of the valley to fully release the stored lake. Re-blocking of the new channel by future landslide movement is considered unlikely. Even if such an event occurs it is likely the future lake release behaviour will be similar to that which occurred. Sufficiently slow so as not to release the lake contents suddenly.

To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Rural Recycling Services North
Prepared by:	Rachel Vaughan Natural Environment Recovery
Authorised by:	Angela Oosthuizen Chief Executive Officer

Purpose and Origin:

The purpose of this report is to allow the Committee to make a decision regarding servicing the northern settlement areas, Black Millar/Waipapa Bay, Clarence and Kekerengu, of the District for waste disposal.

Executive Summary:

Since the Kaikoura Earthquake, the northern settlement areas have been cut off from road access from the Kaikoura Township. Provision of services to the northern part of the District has been restricted to air travel or service provision from Marlborough. During the response period, a skip service was provided to Kekerengu and Clarence from the Marlborough District Council. Our current rate income no longer covers the costs of the bins.

Recommendation:

It is recommended that Council, instruct staff to resume recycling services to the northern settlement areas.

Background:

Since the Kaikoura Earthquake, waste services to both the north and south of the District have been difficult due to the road slips. Immediately after the earthquake, both Hurunui and Marlborough District Council assisted us by providing skips to the outlying settlement areas. The skips were funded under the disaster response from the Ministry of Civil Defence and Emergency Management.

The skips to the south were removed after 2 weeks. Residents were asked to either use the recycling services at Cheviot or store their recycling until the road re-opened. During interim closures, a local staff member collects recycling and stores until it can be brought to the recycling centre for processing. The residents use the existing user pays system for residual waste disposal.

The skips to the north were removed on 1 April 2017. The proposal was to reinstate the old recycling service after this date. The residents were requested to take their residual waste to either Seddon or Blenheim for disposal under a user pays system as they had in Kaikoura. The rationale is that residents are accessing grocery and shopping services in Marlborough.

Issues and Options:

Table one outlines the costs associated with the recycling service to the north:

Service	Cost per month	Rates income per month	Shortfall
Skip Servicing	Service \$983 + Disposal \$1000- \$1200=\$1983~\$2183	\$290.35	\$1692.65~\$1892.65
Recycling Services	\$396*	\$290.35	105.65

	User pays for waste		
Self drop off Seddon or Blenheim Transfer station	No cost in rates Recycling free User pays for waste	\$290.35	+\$290.35

*apportioned from the North/South rural recycling run completed on Wednesdays

Description	Total Weekly Hours	Cost (Weekly)	Cost (Monthly)	Cost (Annual)
North & South Collections (once a week, Weds) - Labour	8	\$176	\$8792	\$9504

Consideration of Options:

Service	Advantages	Disadvantages
Skip Servicing	Level of Services increases	No self-responsibility for recycling Cost needs to be funded by residents – targeted rate Dependant on contractor pricing (4-5 hour round trip)
Recycling Services	Local solution Level of service reinstated User pays of residual waste	Temporary storage required for recycling until road open
Seddon or Blenheim Transfer station	No cost in rates Self-responsibility for waste Residents traveling for groceries	No level of service
<i>Preferred option to reinstate Recycling Service</i>		

Community Views:

Direct individual feedback from the community indicates that the skip system was desirable. When cost was explained, reinstatement of the recycling disposal at the original bulk capacity was an acceptable alternative.

Financial Implications and Risks:

Financial costs are outlined above.

Context:

This work fits within the larger waste minimisation and management that has been managed.

Policy: This work falls under Kaikoura's Zero Waste Plan.

Legislation: Provision of waste services is under the Waste Minimisation Act 2008.

Community Outcomes:

Environmental Protection and Enhancement

Our natural environment and our role as responsible stewards of it, respecting and protecting the health of natural systems today and for generations to come.

To:	Earthquake Recovery Committee
Date:	26 April 2017
Subject:	Replacement of Damaged Infrastructure
Prepared by:	G Essenberg Operations and Maintenance Manager
Authorised by:	A Oosthuizen Chief Executive Officer

Purpose and Origin:

The Council requires confirmation on the preferred option for the replacement structures for the quake damaged infrastructure. This will enable the Council to request approval from the funders, being NZTA, the Council Insurers, LAPP and the Government for the recommended solution. Failing agreement, the Council may choose an alternative option, renegotiate with funders or choose to provide additional funding.

Executive Summary:

The Kaikoura Earthquake of 14 November damaged a significant amount of infrastructure some of which can be repaired and some of which will need to be replaced.

Consultants were requested to supply reports identifying the options for repair or replacement.

The consultants have identified options from which the Operations and Maintenance Manager has confirmed the most appropriate solution for the Council based on the needs of the assets. There may be circumstances where the needs of the asset may be overridden by financial constraints.

Background:

The earthquake of 14 November 2016 caused significant damage to Kaikoura District Council's infrastructure including its roads and bridges, buildings and three waters infrastructure. This infrastructure is covered by arrangements that result in contributions from other parties for repair and replacement.

Other infrastructure was also substantially damaged such as footpaths and cemeteries which is not part of this report as this will be largely funded by Council.

Issues and Options:

For most damaged structures reports identified several options, the option include betterment to current standards, return to service, repair or do nothing.

Some projects are likely to see a significant shortfall or there may be an opportunity to undertake a lesser repair and use the insurance for a more important project. In this instance the preferred option should be taken to Council following settlement of the insurance. Where betterment is the preferred option the overall cost to Council for all options needs to be understood before a project is committed.

The following significant projects and activities are required post-earthquake. This represents a summary of preferred options for Annual Plan purposes subject to no negative cost impact beyond those budgeted:

Structure	Preferred Option	Less Preferred Options
Roading	Identify and repair damage (underway)	Do nothing
Gillings Lane Bridge	single lane bridge	repair
Hawthorne Road Bridge	two lane bridge	single lane bridge
Rorrison's Road Bridge	two lane bridge	single lane bridge
Mt Fyffe Evans Bridge	two lane bridge	single lane bridge
Scotts Road Bridge	single lane bridge	New abutments
Glen Alton Bridge	single lane bridge	Multiple including do nothing
Mt Fyffe Road	2910m overlay 7.0m wide	Maintenance and repairs
Hawthorne Road	705m overlay 7.0m wide	Maintenance and repairs
Mill Road	700m overlay 7.0m wide	Maintenance and repairs
Red Swamp Road	500m overlay 7.0m wide	Maintenance and repairs
Civic Centre	Maintenance and repairs	Do minimum
Main Council Building	Maintenance and repairs	Do minimum
Airport Terminal	Maintenance and repairs	Do minimum
Airport Hangar	Maintenance and repairs	Do minimum
Gooches Beach Toilets	Do minimum assess post annual plan	Maintenance and repairs
Amphitheatre	Do minimum assess post annual plan	Maintenance and repairs
Amphitheatre Paving	Do minimum assess post annual plan	Maintenance and repairs
Amphitheatre Footbridge	Do minimum assess post annual plan	Maintenance and repairs
Cuddons Building	Maintenance and repairs	Do minimum
Rural Fire Depot	Maintenance and repairs	Do minimum
South Bay Toilets	Maintenance and repairs	Do minimum
Moa Point Toilets	Maintenance and repairs	Do minimum
Point Kean Toilets	Maintenance and repairs	Do minimum
Memorial Hall	Maintenance and repairs	Do minimum
Pensioner Housing	Maintenance and repairs	Do minimum
Jimmy Armers Toilets	Do minimum assess post annual plan	Maintenance and repairs
Lions Swimming Pool	Do minimum assess post annual plan	Maintenance and repairs
Skate Park	Do minimum assess post annual plan	Maintenance and repairs
Tennis Courts	Do minimum assess post annual plan	Maintenance and repairs
Kaikoura All Water Supplies	Identify and repair damage	Do nothing
Kaikoura Suburban Water	Do nothing assess post Water Safety Plan	Install settling tanks
Kincaid Water	Replace damaged tanks	Do nothing
Peketa Water	Replace damaged slab	Do nothing

Fernleigh Water	Do nothing assess post Water Safety Plan	Replace Intake
Kaikoura Water Mackles Bore repairs	Repair Bore	Do nothing
Kaikoura Water Mackles Bore UV disinfection	Do nothing assess post Water Safety Plan	Install UV
Kaikoura Water Fords Reservoir	New reservoir	Do nothing
Kaikoura Water Fords 3 Reservoir	Repair	Do nothing
Kaikoura Water Peninsula Reservoir	Repair	Do nothing
Ocean Ridge Water Bore	Repair	Do nothing
Ocean Ridge Water Reservoir	Replace liner and earthquake strengthen	Replace reservoir
Oaro Water	Install telemetry and backflow (underway)	Do nothing
Peketa Water	Do nothing assess post Water Safety Plan	New water supply
Kaikoura Urban Water	Underground Mt Fyffe Rd water main (underway)	Leave Mt Fyffe Rd water main above ground
Kaikoura Sewer	Identify and repair damage	Do nothing
Sewer Manholes and Structures	Repair or replace as required	Do nothing
Mill Road Rising Main	Repair or replace as required	Do nothing
Mt Fyffe Hawthorne Road Sewer Main	Repair or replace as required	Do nothing
Ocean Ridge Sewer Mains	Repair or replace as required	Do nothing
Esplanade/West End Sewer Main	Repair or replace as required	Do nothing
Wastewater Treatment Plant, The Esplanade, Ocean Ridge and Mill Road Pump Stations	Repair as required	Do nothing
Totara Lane Sewer Pump Station	Replace	Repair or abandon
Hawthorne and Gillings Lane Pump Stations	Repair or replace as required by Lyell Creek Sewer	Do nothing
Oxidation Pond	Repair in situ	Replace
Lyell Creek Sewer Main	Repair and replace, assess options post annual plan	Repair
Stormwater Reticulation	Identify and repair damage	Do nothing
Stormwater Manholes and Structures	Repair or replace as required	Do nothing

Community Views:

The Community will be best served by the most appropriate structure at each location. Given that the community may be required to fund a share of some works and that there are alternative calls on any Council funds the community will need to recognise that these are worthwhile projects.

Financial Implications and Risks:

The total cost of the preferred options is significant with the Council share being 5% for approved NZTA roading projects and the excess for buildings and three water projects.

Should the funders prefer an alternative option that is of a lower standard than that recommended in the interest of their overall expenditure, or there is a shortfall in funding then additional Council funding may be required. This additional funding, or an alternative option, would seek further Council approval.

Recommendation:

That the following projects and activities are included in the Draft Annual Plan.

That the Council endorse the construction of the following projects on the understanding that the maximum contribution is 5% for roading projects and the agreed excess for building and three waters projects:

Project	Preferred Option
Roading	Identify and repair damage
Gillings Lane Bridge	single lane bridge
Hawthorne Road Bridge	two lane bridge
Rorrisons Road Bridge	two lane bridge
Mt Fyffe Evans Bridge	two lane bridge
Scotts Road Bridge	single lane bridge
Glen Alton Bridge	single lane bridge
Mt Fyffe Road	2910m overlay 7.0m wide
Hawthorne Road	705m overlay 7.0m wide
Mill Road	700m overlay 7.0m wide
Red Swamp Road	500m overlay 7.0m wide
Civic Centre	Maintenance and repairs
Main Council Building	Maintenance and repairs
Airport Terminal	Maintenance and repairs
Airport Hangar	Maintenance and repairs
Gooches Beach Toilets	Do minimum assess post annual plan
Amphitheatre	Do minimum assess post annual plan
Amphitheatre Paving	Do minimum assess post annual plan
Amphitheatre Footbridge	Do minimum assess post annual plan
Cuddons Building	Maintenance and repairs
Rural Fire Depot	Maintenance and repairs
South Bay Toilets	Maintenance and repairs
Moa Point Toilets	Maintenance and repairs
Point Kean Toilets	Maintenance and repairs
Memorial Hall	Maintenance and repairs
Pensioner Housing	Maintenance and repairs
Jimmy Armers Toilets	Do minimum assess post annual plan
Lions Swimming Pool	Do minimum assess post annual plan
Skate Park	Do minimum assess post annual plan
Tennis Courts	Do minimum assess post annual plan

Kaikoura All Water Supplies	Identify and repair damage
Kaikoura Suburban Water	Do nothing assess post Water Safety Plan
Kincaid Water	Replace damaged tanks
Peketa Water	Replace damaged slab
Fernleigh Water	Do nothing assess post Water Safety Plan
Kaikoura Water Mackles Bore repairs	Repair Bore
Kaikoura Water Mackles Bore UV disinfection	Do nothing assess post Water Safety Plan
Kaikoura Water Fords reservoir	New reservoir
Kaikoura Water Fords 3 reservoir	Repair
Kaikoura Water Peninsula Reservoir	Repair
Ocean Ridge Water Bore	Repair
Ocean Ridge Water Reservoir	Replace liner and earthquake strengthen
Oaro Water	Install telemetry and backflow (underway)
Peketa Water	Do nothing assess post Water Safety Plan
Kaikoura Urban Water	Underground Mt Fyffe Rd water main (underway)
Kaikoura Sewer	Identify and repair damage
Sewer Manholes and Structures	Repair or replace as required
Mill Road Rising Main	Repair or replace as required
Mt Fyffe Hawthorne Road Sewer Main	Repair or replace as required
Ocean Ridge Sewer Mains	Repair or replace as required
Esplanade/West End Sewer Main	Repair or replace as required
Wastewater Treatment Plant, The Esplanade, Ocean Ridge and Mill Road Pump Stations	Repair as required
Totara Lane Sewer Pump Station	Replace
Hawthorne and Gillings Lane Pump Stations	Repair or replace as required by Lyell Creek Sewer
Oxidation Pond	Repair in situ
Stormwater Manholes and Structures	Repair or replace as required

Context: The decision to restore the network to modern standards is related to the original decision that the asset was funded and constructed to meet community requirements.

Policy: Any decision not to undertake the work is a decrease in the Level of Service.

Legislation: As required by Section 77 of the LGA the recommendation is the most appropriate option. There are no additional requirements based on significance or the requirement to consult.