

**FAR NORTH DISTRICT COUNCIL
CONTRACT 7/18/101**

Road Maintenance and Renewals Contract

**MONTHLY REPORT – SEPTEMBER
2023**

*Waimatenui Rd – Tree Removal
(NTW) and Slip Repair (DCL) –
2 of our awesome SME partners*



1. SUMMARY

Another month without any weather events. Some nicely timed fine weather has been a great way to start our summer construction season. Our construction season didn't ramp up until around the 20th so a lot of this will fall into the October programme.

We had a visit from the Ventia Senior leadership team in the 3rd week of September. Similar to the Stairco team who visited us last month, most of them had not been to Northland before and they were all very excited to meet the Ventia team at Puketona and get an inside look at the maintenance contract and few of our other projects. They were welcomed to the Puketona Branch with a Powhiri including a Karakia and Waiata and loved getting involved in the local culture.



STL Visit

Our Phase 2 Gabrielle works continued with a significant amount of the sites now completed. Works were carried out on Motikiore Rd, Newton Rd, Taheke and Matawaia-Maromaku Rd with a mixture of Ventia crews and subcontractors. More details below about the extent of the works in section 8.

We had two alignment sessions with our Kaipara inspectors as a bit of a knowledge sharing exercise and will continue to do this moving forward to ensure we are working towards the same goals.

The list of reseals for both networks have been approved and commenced on the 11th Sept, with over 100km of seal programmed we are very confident of finishing both contracts along with preseals and first coats before 31st March 24.



Multiple roads have already been resealed including Wharau Rd, Sydney St, Tawanui Rd and Waikare Rd. After a long winter the sealing team are pleased to be getting bitumen on to the roads and are looking forward to a large programme this season.



Sealing crew first day of the season

Jash's team started on Ngapipito Rd sealed pavement rehab and will be in there for a month before moving onto Cumber Rd, Kaikohe.

Our crews made a start on Pre seal repairs, beginning with Wiroa Rd – one of the ongoing nightmares left by the constant storms. This stretch of road includes the problematic Okaihau golf course potholes and consists of rip and remakes, stabilised patches and dig outs. Unfortunately, the weather for the last week September didn't play ball and we had to redo the golf course patches a few times. These will get sealed first week of October.

The signs crew plotted along with their routine maintenance, and again encountering more vandalism.

Our patrol crews have been doing a great job to keep the network tidy and safe for the public.

Nga mihi

Rob



2. WORK PROGRAMME

A total of 1,675 individual work items were completed throughout the month of June, of which 1,444 were routine find and fix issues, 155 cyclic or annual rounds, 12 were programmed works, 31 renewal / capital project, and 32 were callouts or emergency response works.

October 2023 forward works programme has been submitted in RAMM.

3. ROUTINE INSPECTION REPORT

Our 3 inspectors have been working through routinely programmed inspections without any delay.

Sealed:

There are currently 0 sealed inspections running overdue. 132 completed, of which 8 have been audited by the NTA team.

Unsealed:

There are currently 0 un-sealed inspections running overdue. 226 completed. of which 4 have been audited by the NTA team.

Drainage

There are currently 0 drainage inspections running overdue. 18 completed, of which 2 have been audited by the NTA team.

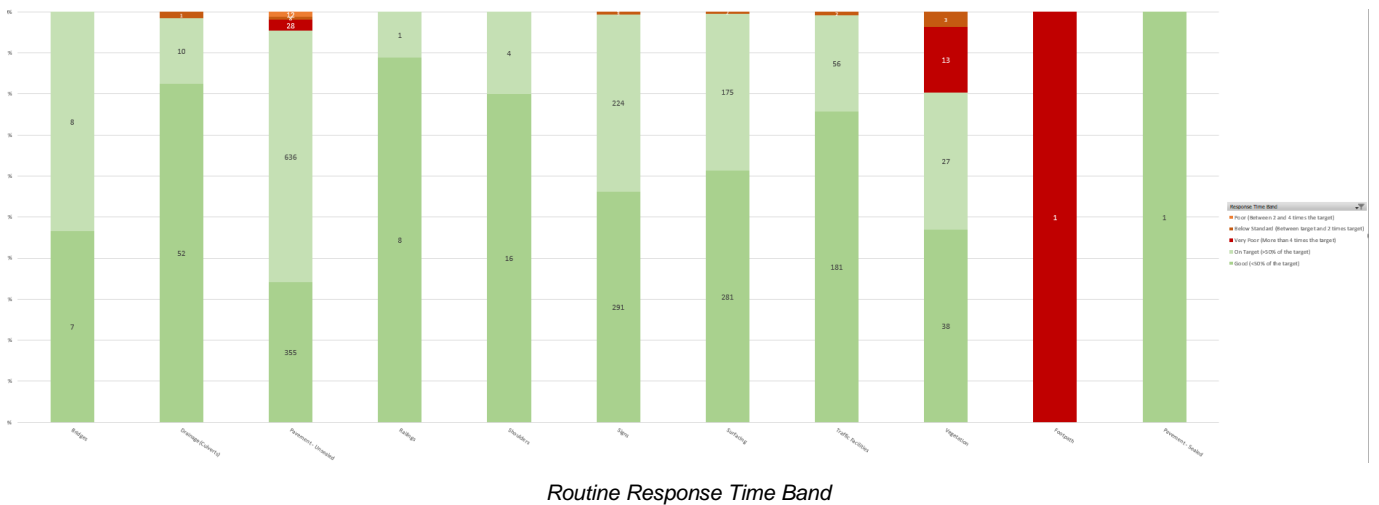
Network Area Inspection	
South Area – September 23	
Week 1	273 km
Week 2	292 km
Week 3	230 km
Week 4	109 km
Total KM	904 km



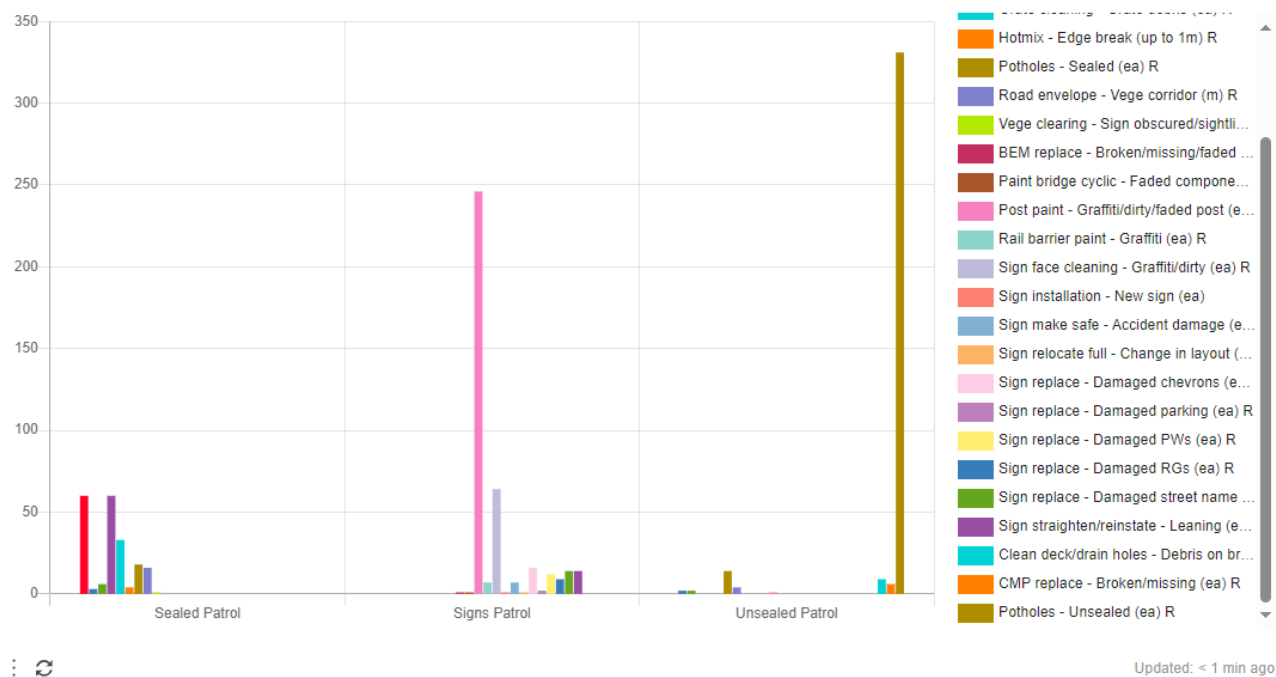
4. ROUTINE WORKS COMPLETED

Routine maintenance activities completed in September:

- 127 sealed potholes repaired.
- 1,531 unsealed potholes repaired.
- 242.5km of unsealed roads graded equating to 31% of the total unsealed network.



Patrol Job type - Dispatch count



Patrol Job Type



5. EMERGENCY WORKS

In September we had two slips on Waitotemaroma Gorge Rd, one tree fell down on Kerikeri Inlet Rd, and one slip on Florence Ave in Russell.



Florence Ave – Russell / Landing Rd - Kerikeri

6. DRAINAGE MAINTENANCE & RENEWALS

Drainage maintenance activities completed in September:

- 765m of heavy water tabling (Storm recovery package & scheduled work)
- 1,101m of water table reconstruct/scouring. (Storm recovery package & scheduled work)
- 11m of Culvert pipes replaced/new. (Renewals Programme)
- 16 Culverts flushed.

Ray's crew have been busy working in the Williams Road carpark in Paihia. They have also replaced a few culverts on Haruru Falls Road, along with some pre seal repairs. They will be carrying on with dig outs for the pre seal repairs in between urgent culvert renewals in October.



7. PHASE 2 – RECOVERY WORKS – GABRIELLE & MAY RAIN EVENTS

Works on Gabrielle and May rain events have continued through September with a large amount of work ticked off. A summary on the next 4 pages with pictures shows just how much is being done across the network generally away from most of the public eyes as these roads are mainly back roads.

Pavement Team

Alex's crew finished up on Taheke Rd then carried out the shale pit clearing on Rangiahua Rd (storm works). After this they began working on the Ngapipito Pavement Rehab.



Rangiahua Shale Pit

Water tabling team

The team had been on Matawaia-Maromaku Road in Towai over the last few weeks clearing watertable and minor slips. Later in the month they moved on to help with dig outs and pre seal repairs.



Matawai-Maromaku Rd Watertabling



DCL

Finished the Gabrielle Phase 2 slip works on Waimatenui Rd, Newton Rd and repaired the sloppy slip on Waiare Rd which is becoming known as the 'gift that keeps on giving'. They also carried out some emergency slip repairs on Waitotemaroma Gorge Rd. Late in September they started working on the phase two slips on Te Tio Rd.



Waitotemaroma Gorge Rd / Waiare Rd / Newton Rd

JR Hack



The team from JR Hack have completed the last of their storm repair on the very damaged road 'Motukiore Rd'. This is a dead-end Road and one-way in one-way out made large areas impassable and kept them busy for 2 months. Hack has done an outstanding job and the road looks great since the team got stuck into fixing large under slips, clearing over slips and side drains, relaying disconnected culverts, and building up several dropped road surfaces.



Tarmac, Pristine Project, Far North Roding

The teams mentioned above have completed all their scheduled storm work in August. Ventia is grateful for the assistance and collaboration of all subcontractors on these network repairs, it is was and always is a joint effort.



8. ORDERED WORKS

As per last month most of the ordered works this month were phase 2 of the cyclone Gabrielle response, and Phase 2 of the May Rain event.

Some smaller ordered works were carried out:

- Urban Spray (Started in Moerewa then Kerikeri)
- Shale pit clearing – Rangiahua Rd
- Digouts/Rip and Remake/Stabilised Patches



Wiroa Rd Digout

9. FOOTPATH MAINTENANCE/RENEWALS

Mike's crew have moved from Kawakawa to Mangakahia Road, Kaikohe to complete the footpath renewals there during the school holidays. Things are tracking along nicely, and the school children should return to some fancy looking paths in a few weeks' time!



Mangakahia Rd / Grey St



10. ROAD FURNITURE ACTIVITY

- 15 new signs installed or replaced (damaged or missing)
- 6 signposts replaced/new.
- 32 signs re-erected or straightened.
- 95 signs/posts cleaned.
- 62 posts painted.
- 9 metres of railing replaced.

11. UNSEALED NETWORK

Unsealed rehabs were completed on:

- Opara Rd
- Motukiore Rd

Ventia attended at NTA pavement workshop early September to run over the long-term plan for the unsealed networks. It was great to gain an understanding of how the new process is intended to work and understand the ideologies behind treatment lengths and frequencies.



Opara Rd / Franks new grader

Maintenance metal was put on Ten roads across the network including Cook Rd, Hariruru Rd, Jenkins Rd, Omanaia Rd, Parkers Rd, Pinehill Rd, Puha Rd, Smith Rd, Toia Rd and Wharekawa and Inksters Rd. We also had some temporary repairs on Inksters Rd, Waikaramu Rd, Smith and Waikare Rd.

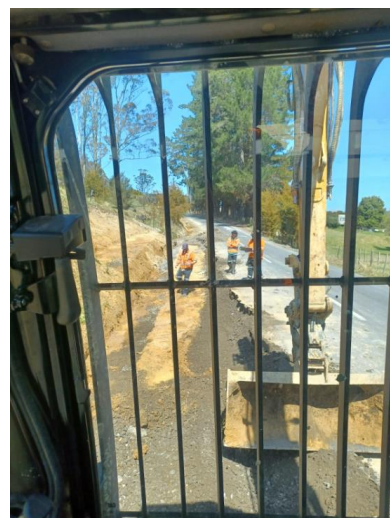


Pinehill Rd / Inksters Rd Maintenance Metal

12. PAVEMENT REHABILITATIONS

A reminder that the confirmed sites for this coming season are as follows:

1. Ngapipito Rd 1850-3000m – The construction team has mobilised back onsite continuing with Minor slips and shoulder checkouts. A construction Team is also onsite repairing a slip along the rehab section.
2. Cumber Rd 0-421m
3. Orakau Rd 14822-15050
4. Piplwai Rd 12274-12610m



Ngapipito Rd



13. RESURFACING

Sealing started on the 11th Sept as daily temperatures increased above 20deg and the weather was slightly more predictable, although the last week of September proved a bit difficult with frequent showers delaying reseals. Of the 65km of sealing planned in FNDC, 6km of the smaller sites has been completed in September. None of the 43km planned in KDC has been completed yet. Roads completed include:

- Wharau Rd
- Tawanui Rd
- Reed St
- Sydney St
- Tui St
- Williams Ave
- Windsor Rd



Tawanui Rd / Waiare Rd

14. ROAD ACCIDENT REPORT

No accidents to report this month.



15. RAMM ISSUES



No issues this month – Any development & minor operational issues encountered in the system are being recorded to provide feedback to Think project each month. Field staff have switched to the new Beta version (10.2) this week.

16. CUSTOMER SERVICE ISSUES / COMPLAINTS

We welcomed another month of declining RFS numbers, with unsealed roads in the lead and a notable number under the vegetation and signage categories. Unfortunately, most of the signage RFS's relate to vandalism, incidences of these are being monitored by our team.

Ventia Customer Service Request Comparison, July 2023 to September 2023

Number of RFS's

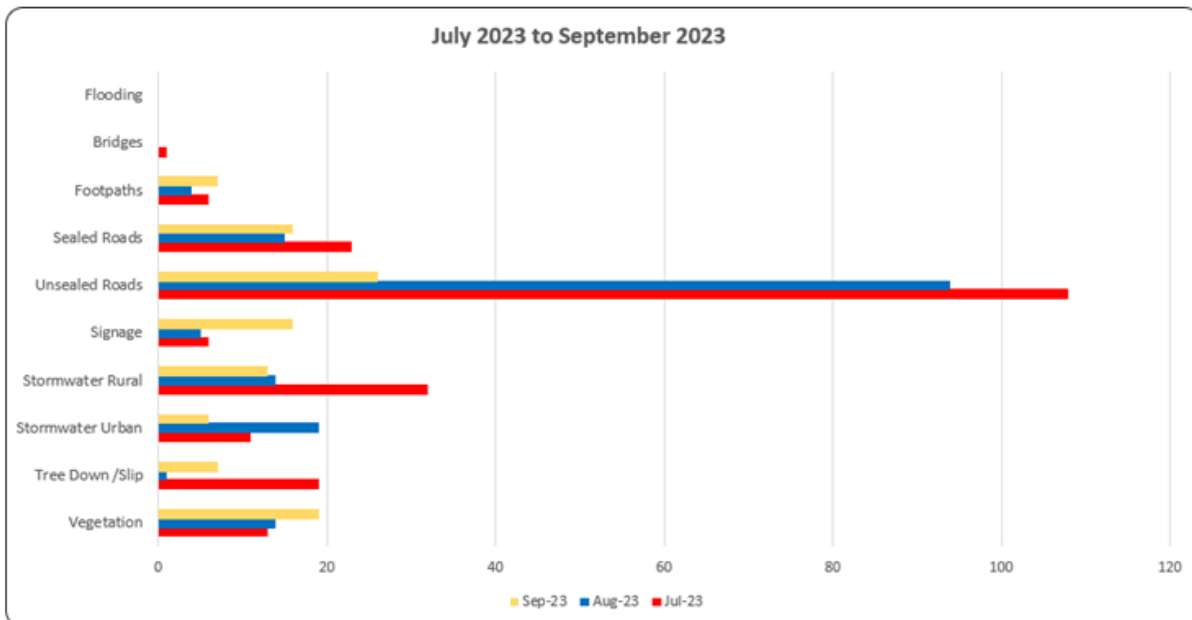
Month	Vegetation	Tree Down /Slip	Stormwater Urban	Stormwater Rural	Signage	Unsealed Roads	Sealed Roads	Footpaths	Bridges	Flooding	Total
Jul-23	13	19	11	32	6	108	23	6	1	0	219
Aug-23	14	1	19	14	5	94	15	4	0	0	166
Sep-23	19	7	6	13	16	26	16	7	0	0	110

TBC

Percentage of RFS's

Month	Vegetation	Tree Down /Slip	Stormwater Urban	Stormwater Rural	Signage	Unsealed Roads	Sealed Roads	Footpaths	Bridges	Flooding	Total
Jul-23	5.9%	8.7%	5.0%	14.6%	2.7%	49.3%	10.5%	2.7%	0.5%	0.0%	100%
Aug-23	8.4%	0.6%	11.4%	8.4%	3.0%	56.6%	9.0%	2.4%	0.0%	0.0%	100%
Sep-23	17.3%	6.4%	5.5%	11.8%	14.5%	23.6%	14.5%	6.4%	0.0%	0.0%	100%

TBC





17. COMPLIMENTS

Three compliments this month, see below for details.

Waikaramu Rd – customer email received by Ventia thanking us for the repair.

“I see the Ventia team did an amazing job on the road repair on Tuesday just prior to the heavy rain that evening. Can I please ask if they could consider running a roller across all the newly laid metal to compact as in this state very hard on everyone’s car tyres with some larger metal in the mix. Would make a big difference I think.”

Broadway Health potholes – customer emailed Ventia thanking us for the repairs.

“We the staff at Broadway Health Centre Kaikohe are writing to express our gratitude to the team at Ventia that took the time to fix the potholes in our front car park.

They had been causing a few issues for us and our patients and now that they have been filled in, our parking area is looking a lot tidier and of course it is definitely safer for our patients.

We appreciate your support time and the effort given helping us provide a safer and welcoming entry way for our clinic.

We hope to work alongside you again in the near future.

One again we thank you with sincere appreciation.”



Before/After Waikaramu Rd

Gerrard – Sent us a txt message saying “Love your work”. This was in regards to signage replacements on MacMurray Rd, Paihia.



18. HEALTH & SAFETY & WELLBEING

See attached to this report email for the SHEQ stats for the month.

The themes from our Branch Toolbox held on 12th September at the Kerikeri Sports Complex were:

- Our 4 x safety reps had a chance to report on what is occurring out in the field around safety.
- Spill management training.
- GD05 training – Reducing environmental impacts.
- E road positive recognition 75% of our Puketona staff are 4 or 5 star drivers.
- Survival safety kits rolled out to crews. These bags consist of food rations, emergency ponchos, light sticks, instant ice packs, compressed towels and toilet paper, hand sanitizer, life straw and dustmasks.



Emergency survival bags/kits



19. TRAINING

Our TTM Mentor has been doing a fantastic job training and signing off practical completion for our Traffic Controllers. Late in the month we started running weekend training sessions for our STMS non practicing, preparing them for their practical assessments.

We had two group training sessions at our monthly toolbox meeting. These were Spill management and GDO5 – a training course to help reduce environmental impacts.

20. ENVIRONMENT

In September we had no notifiable incidents to report.

FROM THE HISTORY CORNER

A look at New Zealand's Natural Disasters and Accidents

Floods are the most frequent and costly natural disasters in New Zealand. Between 1968 and 2017 the country experienced over 80 damaging floods. The Insurance Council of New Zealand calculated that industry payments for flood damage between 1976 and 2004 averaged \$17 million per year in 2004 dollars.

Between September 2021 and February 2022, New Zealand recorded ten major storms: four rainstorms and six windstorms including ex-tropical cyclone Dovi. The final months of last summer carried a massive sting, bringing “unprecedented” rainfalls several times over, from widespread flooding in Auckland at the end of January to ex-tropical Cyclone Gabrielle dumping record rains and causing devastating floods across the east coast of the North Island.

Below is a brief glimpse of some of the extreme disasters affecting roads and the landscape in NZ:

1846 Taupō landslide

On 7 May a massive landslide on the shores of Lake Taupō overwhelmed the village of Te Rapa, killing around 60 people.

1855 Wairarapa earthquake

On 23 January, a magnitude 8.2 earthquake struck the lower North Island killing between five and nine people in Wellington, Manawatū and Wairarapa and radically altered the landscape of the Wellington region.

1863 Central Otago floods

Twenty-five gold miners lost their lives as flash floods raged along the Shotover River, north-east of Queenstown, on 26 July 1863.

1868 Great storm

On 3/4 February, a violent storm swept across the country, wrecking 12 ships including the Star of Tasmania and Water Nymph at Oamaru and causing flash floods. More than 40 lives were lost.

1882 Timaru harbour tragedy

On 14 May, a sudden storm wrecked two large sailing ships, the City of Perth and Ben Venue, in Timaru's exposed roadstead. Nine lives were lost.

1886 Tarawera eruption

On 10 June, the volcanic Mt Tarawera, south-east of Rotorua, erupted spectacularly, killing 120 people and burying the famed Pink and White Terraces on Lake Rotomahana.

1914 Landslide on Whakaari / White Island

On 10 September, 10 sulphur miners were killed on White Island when part of the crater wall collapsed, causing a landslide.



1923 Ongarue railway accident

On 6 July, the North Island main trunk express slammed into a huge landslide at Ongarue, north of Taumarunui. With 17 deaths, this was the first major loss of life on NZ railways.

1929 Murchison earthquake

On 17 June, an earthquake measuring 7.8 on the Richter scale struck the north of the South Island, killing 17 people. The shock was felt throughout New Zealand but centred on the Murchison area, where it caused massive landslides.

1931 Hawke's Bay earthquake

On 3 February, New Zealand's deadliest earthquake, measuring 7.8 on the Richter scale, devastated much of Napier and Hastings. The death toll was 256.

1938 Kōpuawhara flood

On 19 February, a flash flood swept away a Public Works railway construction camp at Kōpuawhara on the East Coast, killing 21 workers.

1943 Hyde railway accident

On 4 June, the Cromwell–Dunedin express derailed near Hyde, Central Otago, killing 21 people.

1953 Tangiwai railway accident

On 24 December, a North Island main trunk express plunged off the Tangiwai bridge into the Whangaehu River. The bridge had been fatally weakened by a lahar from Mt Ruapehu's crater lake. Of the 285 people on board, 151 were killed. This is New Zealand's worst rail disaster.

1963 Northland bus crash

Fifteen people were killed in New Zealand's worst bus accident as a party was returning from Waitangi Day commemorations when shortly after lunchtime on 7 February the bus failed to take a bend as it descended Pilbrow Hill, in the Brynderwyn Hills, south of Whangārei.

1968 Inangahua earthquake

On 24 May, a 7.1 mag earthquake struck the Inangahua area (West Coast) killing three people.

2010 Canterbury (Darfield) earthquake

Although there were no deaths, this 4 September earthquake was – at the time – the largest to affect a major urban area since the 1931 Hawke's Bay quake.

1988 Cyclone Bola

The severe tropical cyclone was one of the costliest cyclones in NZ history, causing severe damage as an extratropical cyclone when it passed near the country in March 1988, killing seven people.

2011 Christchurch earthquake

At 12.51 p.m. on 22 February a 6.3 magnitude earthquake struck 10 km south-east of central Christchurch at a depth of only 5 km. The death toll was 185, making it New Zealand's worst natural disaster in terms of loss of life since 1931.

2016 Kaikōura earthquake

At 12.02 a.m. on 14 November a magnitude 7.8 earthquake struck New Zealand, causing significant damage to buildings and infrastructure in southern Marlborough and northern Canterbury. Landslides cut off road and rail links to Kaikōura, stranding large numbers of visitors and two people lost their lives.

2023 Auckland flooding

Four people were killed in January when Auckland, the city of 1.6 million people was hit by what insurers said was the "biggest climate event" in the country's history.

2023 Cyclone Gabrielle

Eleven people were reported to have died including two firefighters killed while responding to a landslide. Thousands of landslides occurred after the rain event and Gabrielle.



21. ANNUAL ROUTINE ACTIVITY ACHIEVEMENT

Routine and cyclic rounds start at the financial year (July 2023/24):

Biennial Painting of All Rails	0%	completed - on hold due to funding.
Biennial Parapet Painting of Bridges	0%	completed - on hold due to funding.
Annual Cleaning of EMP's	0%	complete
Annual Sucking of All Sumps	0%	complete
Biannual sweeping	0%	complete
Urban Vegetation Spraying	21%	complete
Rural Vegetation Spraying	9%	complete
Line marking Network Remark	0%	complete

22. OTHER WORK IN PROGRESS

The Construction team stayed on course with the delivery of our projects as per below:

Pokapu Road Bridge Construction

Guardrails have been installed with only a short run to be completed on the Southern side. Service ducting and service pits installed with Chorus cables to be connected. Chipseal and linemarking on each approach planned for 2nd October.





Freese Park Seawall

This project has been completed with a boardwalk access to the beach.



23. COMMUNITY WORK

Ventia provided the TMP and signs/cones for the Springbank School community market day on Sunday 17th September. The event appeared to be huge success with hundreds a people attending.



24. AROUND VENTIA

A group from the Puketona branch attended the Women's Annual networking event in Auckland to celebrate the power of women with our Ventia Wahine, community members and clients.



Puketona Wahine's Welcome the SLT team 19 September 2023

INTERNAL

Nga Mihi

Rob Savage

Maintenance Manager – FNDC South Maintenance Ventia (NZ) Ltd