

Infrastructure Committee Agenda

Date: Thursday, 12 November, 2020

Time: 9:00 am

Location: Council Chamber
Forum North, Rust Avenue
Whangarei

Elected Members: Cr Greg Martin (Chairperson)
Her Worship the Mayor Sheryl Mai
Cr Gavin Benney
Cr Vince Cocurullo
Cr Nicholas Connop
Cr Ken Couper
Cr Tricia Cutforth
Cr Shelley Deeming
Cr Jayne Golightly
Cr Phil Halse
Cr Greg Innes
Cr Anna Murphy
Cr Carol Peters
Cr Simon Reid

For any queries regarding this meeting please contact
the Whangarei District Council on (09) 430-4200.

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2. Apologies	
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7. Closure of Meeting	

Recommendations contained in the agenda are not the decisions of the meeting.

Please refer to minutes for resolutions.

Infrastructure Committee – Terms of Reference

Membership

Chairperson Councillor Greg Martin

Members Her Worship the Mayor Sheryl Mai
 Councillors Gavin Benney, Vince Cocurullo, Nicholas Connop, Ken Couper, Tricia Cutforth, Shelley Deeming, Jayne Golightly, Phil Halse, Greg Innes, Anna Murphy, Carol Peters, Simon Reid

Meetings Monthly

Quorum 7

Purpose

To oversee the management of council's infrastructural assets, utility services and public facilities.

Key responsibilities

- Services including the provision, maintenance and capital investment for:
 - Infrastructure asset management, projects and support
 - Infrastructure project co ordination
 - Transportation
 - Waste and drainage
 - Solid waste, waste minimisation and recycling services
 - Water
 - Parks and reserves
 - Cemetery
 - Laboratory services
 - Flood alleviation schemes
- Reporting on service delivery, including operational financial performance.
- Reporting on capital projects.
- Operational reporting for the Infrastructure group within Council.

- Procurement – general procurement relating to the areas of business of this committee, within delegations.
- Shared Services – investigate opportunities for Shared Services for recommendation to council.
- Council Controlled Organisations (CCOs) – monitoring the financial and non-financial performance of CCOs whose functions would otherwise fall under the scope of this committee. Includes trading CCOs (CCTOs) and those CCOs exempted under the LGA. Responsibilities include:
 - advising on the content of annual Statement of Expectations to CCOs
 - agreement of the Statement of Intent
 - monitoring against the Statement of Intent
 - for exempted CCOs, monitoring and reporting as agreed between Council and the organisation

CCOs accountable to this committee:

- Northland Regional Landfill Limited Partnership (NRLLP) – CCTO
- Whangarei Waste Limited (WWL) – exempted CCO

Delegations

- (i) All powers necessary to perform the committee's responsibilities, including, but not limited to:
 - a) the approval of expenditure of less than \$20 million plus GST.
 - b) approval of a submission to an external body.
 - c) establishment of working parties or steering groups.
 - d) adoption of strategies and policies relating to the key responsibilities of this committee (except for those that cannot be delegated by Council under Clause 32(1)(f) of Schedule 7 of the LGA).
 - e) power to establish subcommittees and to delegate their powers to that subcommittee.
 - f) the power to adopt the Special Consultative Procedure provided for in Section 83 to 88 of the LGA in respect of matters under its jurisdiction (this allows for setting of fees and bylaw making processes up to but not including adoption).
 - g) the power to delegate any of its powers to any joint committee established for any relevant purpose under clause 32, Schedule 7 of the Local Government Act 2002.

Item 3.1
Infrastructure Committee Meeting Minutes

Date: Thursday, 8 October, 2020
Time: 9:00 a.m.
Location: Council Chamber
 Forum North, Rust Avenue
 Whangarei

In Attendance

 Cr Greg Martin (Chairperson)
 Her Worship the Mayor Sheryl Mai
 Cr Vince Cocurullo
 Cr Nicholas Connop
 Cr Ken Couper
 Cr Tricia Cutforth
 Cr Shelley Deeming
 Cr Phil Halse
 Cr Greg Innes
 Cr Anna Murphy
 Cr Carol Peters
 Cr Simon Reid

Not in Attendance

 Cr Gavin Benney
 Cr Jayne Golightly

1. Declarations of Interest

Item 4.1 Petition for the Widening of Austin Road

2. Apologies

Crs Gavin Benney and Jayne Golightly.

Moved By Cr Vince Cocurullo

Seconded By Cr Carol Peters

That the apologies be sustained.

Carried

3. Confirmation of Minutes of Previous Infrastructure Committee Meeting

3.1 Minutes Infrastructure Committee Meeting held 10 September 2020

Moved By Cr Shelley Deeming

Seconded By Cr Tricia Cutforth

That the minutes of the Infrastructure Committee meeting held on Thursday 10 September 2020, having been circulated, be taken as read and now confirmed and adopted as a true and correct record of proceedings of that meeting.

Carried

4. Decision Reports

4.1 Petition for the Widening of Austin Road

Moved By Cr Carol Peters

Seconded By Her Worship the Mayor

That the Committee;

1. Receives the petition requesting the widening of Austin Road, and instructs staff to:
 - a. investigate the request and report back to this Committee; and
 - b. advise the petition organiser of this course of action.

Carried

Declaration of Interest:

Cr Couper declared an interest in regard to Item 4.1.

5. Information Reports

5.1 Contracts Approved Under Delegated Authority

Moved By Cr Shelley Deeming

Seconded By Cr Anna Murphy

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

Carried

5.2 Infrastructure Operational Report - October 2020

Moved By Her Worship the Mayor

Seconded By Cr Nicholas Connop

That the Infrastructure Committee notes the Infrastructure Operational Report update.

Carried

6. Public Excluded Business

There was no business conducted in public excluded.

7. Closure of Meeting

The meeting concluded at 9.42am.

Confirmed this 12th day of November 2020

Councillor Greg Martin (Chairperson)

4.1 Maunu Cemetery Development – Concept Plan

Meeting: Infrastructure Committee
Date of meeting: 12 November 2020
Reporting officer: Sue Hodge (Parks and Recreation Manager)

1 Purpose

To formally adopt the Maunu Cemetery Development Concept Plan 2020.

2 Recommendation

That the Committee approves the Maunu Cemetery Development Concept Plan 2020.

3 Background

Maunu Cemetery has been operating for the District since 1886 and is situated 6.5km west of Whangarei in Cemetery Road off State Highway 14. It is set in over 31.5ha of rolling countryside, with bush clad valleys and pockets of remnant native trees.

Approximately one third is currently in use for burial plots, roadways, buildings and the crematorium. The balance is either native bush, leased for grazing or leased for community garden purposes (former Polytechnic site).

Since 2010 the crematorium has been leased to Maunu Crematorium Ltd. This lease is in its second term which expires 2023 with several more 5-year rights of renewal until 2038.

Most of the burial areas are well established with mature plantings and access roads and car park laybys for visitors and access lanes between burial areas for burial preparation and funeral directors.

Three years ago the burial area was extended to the area directly behind the current office. This area doesn't yet have the same character or amenity values as the more established parts of the cemetery.

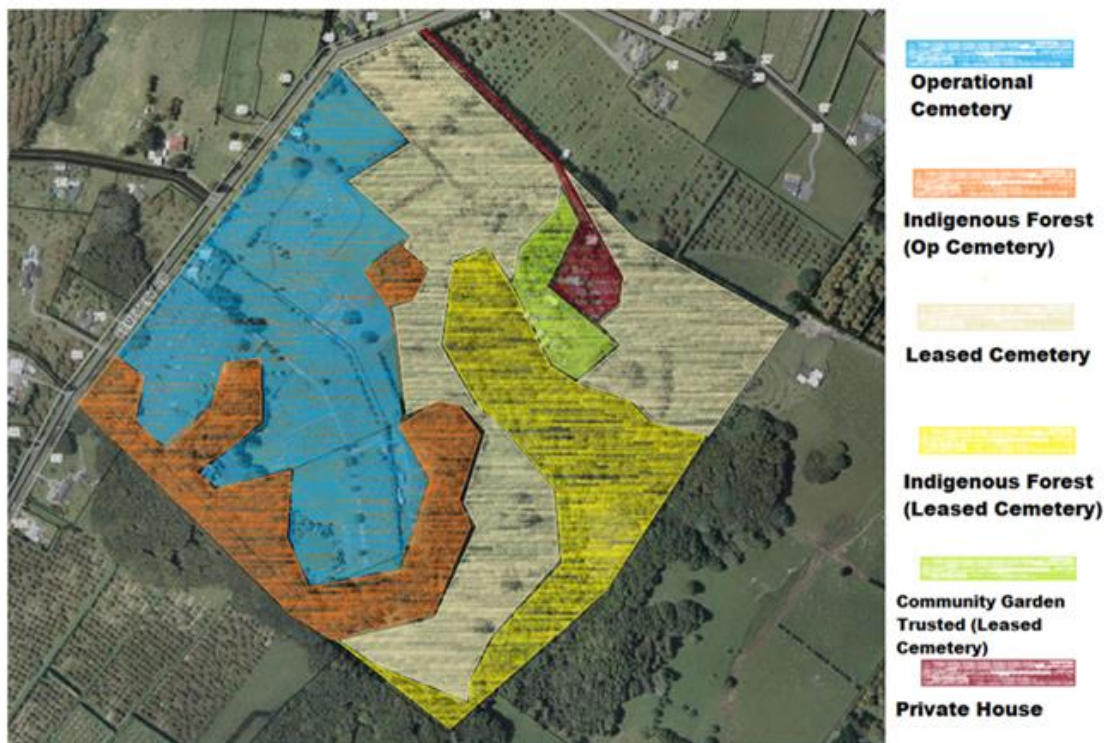


Figure 1 - General land use

4 Discussion

In 2008 a draft development concept plan was developed and never finalised. There has been no long-term plan for developing new burial areas, internal roading network and landscaping. Some adhoc development was undertaken about 5 years ago with the development of the family burial area.

Over the last year a development concept plan has been finalised. This plan prioritises the various areas to be developed over the next 30 years to meet the growing needs of the Whangarei community.

Based on current demand of around 117 burials per annum an assessment has been made of the areas to be developed over the next 10 years. Much of this development such as new berms, plantings and gardens will be undertaken by the in-house staff using existing capital development funding.

The main capital investment required in the next 5 years will be a new internal road in the north- eastern corner of the Cemetery to service these new areas. In the next 10 years this road will need to be extended south to open up more new areas for burials.

Further details of this development are shown on the attached Maunu Cemetery Overall Concept plan.

4.1 Financial/budget considerations

The 2018-2028 LTP provided for \$190,000 capital development every 4 years for a project described as “Maunu Cemetery development for burials”. This is insufficient for a larger roading project and it is proposed that in the next 2021-2031 LTP additional capital funding of \$400,000 be provided for in Yr 5 for the north-eastern accessway.

4.2 Policy and planning implications

From 2018-2043 (25 years) there is predicted to be 23,500 deaths in the district. Based on current trends about 20% would be burials needing around 4,700 plots. From this information we estimate Maunu cemetery has approximately 30 years capacity.

We also know there are changes in how we memorialise the dead such as demand for eco burials and increasing cremations. The percentage of burials could decrease, or increase based on these changing patterns and this will impact on the capacity of the cemetery.

The COVID-19 pandemic reminded us that we need to plan for future burials as they may not always average at the current 117/annum. The pandemic is an extreme event but it would be prudent to be prepared and have suitable infrastructure to provide several years of capacity. This would also allow the new areas to be planted in-advance to create the same character the balance of the cemetery has rather than looking like the paddock the farmer was recently grazing.

4.3 Risks

Because of unforeseen events such as pandemics or natural disasters there is a risk that burials will exceed the normal annual rate leading to burials in areas that do not have supporting infrastructure such as roading and accessways.

5 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

6 Attachment

1. Maunu Cemetery Overall Concept plan



5.1 Contracts Approved Under Delegated Authority

Meeting: Infrastructure Committee
Date of meeting: 12 November 2020
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

For the Infrastructure Committee to note Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

2 Recommendation/s

That the Infrastructure Committee note the Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

3 Background

Table 1 (below) records Infrastructure contracts awarded under Chief Executive and General Manager delegated authority. Attachment 1 provides a summary of the award process for each contract and a brief description of the works being undertaken

Table 1: Infrastructure Contracts Awarded Under Delegated Authority

1. Roading	
CON17038	Contract Variation: Te Matau a Pohe and Kotuitui Whitinga Bridges – Electrical Maintenance 2017
CON18076	Contract Variation: Nova Scotia Drive Bridge No. 606 Upgrade
CON19017	Contract Variation: LED Streetlight Improvements – Northern Package (V Category)
2. Parks and Recreation	
CON19063	New Cobham Oval Carpark
3. Water	
CON20048	Rewarewa Road Watermain Replacement 2020

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

1. Summary of Contracts Approved Under Delegated Authority November 2020

Summary of Contracts Approved Under Delegated Authority

This attachment provides a summary of the award process and works being undertaken for Infrastructure contracts awarded under Chief Executive and General Manager delegated authority.

1.0 Roading

CON17038

Contract Variation: Te Matau a Pohe and Kotuitui Whitinga Bridges – Electrical Maintenance 2017

Purpose

To extend the contract period for Te Matau a Pohe and Kotuitui Whitinga Bridges – Electrical Maintenance 2017 (Contract 17038) for 3 years and to increase the contract value to \$647,191.03 excluding GST.

Background

Contract 17038 for the Te Matatu a Pohe & Kotuitui Whitinga Bridges – Electrical Maintenance 2017 was awarded to McKay Electrical Ltd for a price of \$258,876.41 excluding GST on 5 December 2017.

This Contract involved the inspection and maintenance of all the electrical and control systems of these bridges. The contract was let with an initial term of 2 years and a potential roll over of another 3 years based on performance.

A performance appraisal has been undertaken using the Council's PACE evaluation template.

Based on this appraisal, the contractor's performance has been assessed as being adequate with a score of 70%. This equals the minimum score specified in the contract for a contract extension to be considered.

The appraisal was completed with a view to completing the contract rollover in time for December 2019. However significant delays were encountered in negotiations with the contractor, particularly to optimise coordination and timing of inspection and maintenance while providing a cost-neutral outcome.

The delay was compounded by the disruption from the COVID-19 outbreak, resulting in the schedule taking much longer to finalise than envisaged. The maintenance cost during the intervening period has been covered within the existing contract value (\$258,876.41) as only essential work was completed during that time.

Financial

The predicted final value of Contract 17038 will increase by \$388,314.62 excluding GST. This amount has been assessed based on current schedule rates with minor amendments to reflect agreed changes to the frequency or type of maintenance work being undertaken. This reflects lessons learnt in operating bridges over the past years.

The current approved contract value for Contract 17038 is \$258,876.41 excluding GST.

The contract is a measure and value contract and the actual payments to the contractor are based on the quantity of works completed at the tendered schedule rates.

The change in contract value is summarised in the table below:

Description	Contract Value (excl. GST)
Previous value of the contract (2 years)	\$258,876.41
The variation requested in this VO (+3 years)	\$388,314.62
The proposed new value of this contract	\$647,191.03

This increase to the contract will be funded through councils approved Road Maintenance budget over the next three years.

Chief Executive Approval

That the contract for Te Matau a Pohe and Kotuitui Whitinga Bridges – Electrical Maintenance 2017 (Contract 17038) be extended for a further 36 months (3 years) to 31 November 2022 and the value increased by the sum of \$388,314.62 bringing the total contract value to \$647,191.03 (six hundred and forty-seven thousand, one hundred and ninety one dollars and three cents) excluding GST.

CON18076

Contract Variation: Nova Scotia Drive Bridge No. 606 Upgrade

Purpose

Seek approval to increase the original contract price to \$455,000.00 excluding GST.

Background

This contract is for Nova Scotia Road Bridge No. 606 Upgrade of the bridge structure including the re-painting of the superstructure beams, replacement of the diaphragms, pile jacketing, replacement of timber bracing and linkage to ensure a continual level of service to users. It was awarded to Asset Construction Ltd. The original contract amount was \$439,849.00 excluding GST.

The increase of costs was due to COVID-19, claimed by the Contractor for the lockdown. The Covid claim has been evaluated and approved by the Engineer.

Financial

A breakdown of the additional costs is provided in the following table:

Item	Variation	Amount (excl. GST)
1.	COVID-19 cost	\$15,151.00

A breakdown of cost for the whole contract is provided in the following table:

Description	Amount (excl. GST)
Original contract value (excl. contingency)	\$439,849.00
Contingency	-
Total original contract value	\$439,849.00
Total amount of variations	\$15,151.00
Total revised contract value	\$455,000.00

Chief Executive Approval

It is recommended that the total contract amount of CON18076 for Nova Scotia Drive Bridge No. 606 Upgrade is increased by \$15,151.00 from \$439,849.00 to \$455,000.00 (Four hundred and fifty five thousand dollars and zero cents) excluding GST.

CON19017

Contract Variation: LED Streetlight Improvements – Northern Package (V Category)

Introduction

Contract CON19017 for LED Streetlight Improvements – Northern Package (V Category) consists of four Separable Portions, two for the Whangarei District Council (WDC) and two for the Far North District Council (FNDC).

Separable Portion	Council	Description	Value
1	WDC	Northern portion of the City	\$1,345,561.52
2	WDC	Hikurangi	\$630,213.30
3	FNDC	Parts of Kaitaia and Kerikeri	\$1,123,299.12
4	FNDC	Remainder of Kaitaia and Kerikeri and Waipapa, Opuia and Kaikohe	\$3,146,127.24
TOTAL			\$6,245,201.18

The winning tenderer was McKay Electrical Ltd.

Award Process

In June 2020, the Whangarei District Council's Chief Executive approved the award of Separable Portions 1 and 2 (Separable Portion 2 being subject to funding) and that Separable Portion 3 shall only proceed once The Far North District Council has approved this work through a separate agenda item to the Far North District Council.

On the 13th of August 2020, the Far North District Council carried the following recommendation;

- a) approve Council entering into a back to back contractual agreement with Whangarei District Council for the sum of \$1,123,299.12 (excluding GST) for delivery of FNDC Separable Portion 3 within the Whangarei District Council Contract 19017 for LED Streetlight Improvements – Northern Package (V Category).

Financial

Contract CON19017 is between the McKay Electrical and the Whangarei District Council (WDC), who are responsible for paying McKay Electrical as per the terms of the Contract. Payments shall be made to McKay Electrical on a monthly basis during the period of the works. The full amount of the payments made for Separable Portion 3 shall then be invoiced to the Far North District Council (FNDC) who shall reimburse WDC for the full amount the month following. This method of reimbursement shall be finalised through a back to back contractual agreement between WDC and FNDC.

Chief Executive Approval

Separable Portion 3 for LED Streetlight Improvements – Northern Package (V Category) CON19017 be awarded to McKay Electrical for the tendered sum of \$1,123,299.12 (one million, one hundred and twenty-three thousand, two hundred and ninety nine dollars and twelve cents) excluding GST.

2.0 Parks and Recreation

CON19063 New Cobham Oval Carpark

Introduction

Cobham Oval carpark is a metalled car park that generally serves events held at either the Cobham Oval cricket grounds or the neighbouring Okara Park rugby grounds. Council has resolved to bring forward capital budget to seal this area and create a high amenity landscaped space with safe pedestrian thoroughfare, stormwater treatment and lighting.

The scope of the physical works will include traffic and pedestrian management, customer liaison, earthworks, modification to site accesses off Okara Drive and Port Rd, drainage and stormwater, landscaping and planting, installation of concrete paths including kerb & channel, asphalt sealing, electrical works (ducting, lighting, CCTV, EV charging) and installation of advertising signage.

Procurement Process

The procurement process was undertaken in two stages.

The procurement process was compliant with the Procurement Policy requirements and was undertaken in accordance with the approved procurement plan dated 02.07.2020.

Stage 1: Expression of Interest

An Expression of Interest (EOI) for the construction of the carpark was publicly advertised on Tenderlink in July 2020.

The EOI requested respondents to submit information to demonstrate compliance with the pre-condition criteria, and to provide answers to non-price attribute questions in the categories Relevant Experience and Track Record in accordance with the approved Procurement Plan.

The pre-condition criteria were pass/fail criteria, and a fail meant the supplier would not make the shortlist. The non-price attribute questions were scored and ranked highest to lowest by the evaluation team. The top four ranking submissions were shortlisted to go through to the RFP process.

Contractor	Total Score
Robinson Asphalt	164
Clements Contractors Ltd	150
United Civil Construction	148
Broadspectrum	145
Dempsey Wood Civil Ltd	110
Downer	130
Earthworx Rural & Civil Ltd	115
Huband Contractors Ltd	125
Mason Contractors Ltd	110
TCD Civil Construction	130

Stage 2: Request for Proposal

The four shortlisted contractors were invited to submit a price via a private tender on Tenderlink. The evaluation process for this second procurement stage was lowest price conforming.

Tenders Received and Evaluated

When the tender closed on Friday 11 September 2020 three submissions were received:

Tenderer	Price (Excl GST)
Clements Contractors Ltd	\$1,298,543.49
Robinson Asphalts 1992 Ltd	\$1,585,874.24
United Civil Construction Ltd	\$1,432,945.93
Ventia (former Broadspectrum)	N/A
Engineer's Estimate	\$1,336,095.07

Clements Contractors Ltd submitted the lowest price conforming tender. An arithmetic check was undertaken, and no omissions found.

Financial

The budget in the 2020/21 Long Term Plan for the sealing of the Cobham Oval car park is \$788,000.00. This project was bought forward by Council to ensure the car park would be upgraded in time for the 2021 Women's Rugby World Cup. In March the options and estimated \$1.4M cost was reported to Council. A follow up Information Report was received May 21st by Council in response to questions raised at the earlier meeting. The feedback from this meeting was that this project should continue but other projects would need to be delayed.

Budget from Town Basin Car Park to Park and Pohe Island destination playground has been re-forecasted to 21/22 financial year.

The Cobham Oval carpark budget difference of \$510,543.49 will be funded from unbudgeted expenditure.

Chief Executive Approval

The contract for New Cobham Oval Carpark (CON19063) be awarded to Clements Contractors Ltd for the tendered sum of \$1,298,546.49 (one million, two hundred and ninety eight thousand and five hundred and forty six dollars and forty nine cents) excluding GST.

3.0 Water

CON20048 Rewarewa Road Watermain Replacement 2020
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Introduction

The 250mm diameter watermain in Rewarewa Road has burst several times over the past 24 months. An analysis of this main has determined that it has reached the end of its design life. Hence, according to analysis of the asset, it is due for replacement.

In addition, NTA are currently planning to rehabilitate Rewarewa Road in the early parts of 2021.

In order to reduce the economic impact of having a watermain burst under a newly rehabilitated road or excavating the newly rehabilitated road in order to replace the watermain, this watermain is to be replaced before the road rehabilitation takes place.

This Contract will comprise of the construction of 875m of DN250 (315 OD) PE watermain and 735m of DN100 (125OD) ridermain in Rewarewa road including connections and reinstatement.

Procurement Process

As per the procurement plan an open tender process was used. The contract was publicly advertised on Tenderlink on 03 September 2020 and closed on 25 September 2020 at 15h30.

Tenders Received and Evaluated

Four tenders were received as follows:

Tenderer	Price (Excl GST)
Cornell Contractors LTD	\$ 1,869,466.97
Downer NZ	\$ 1,272,052.46
Northern Pipe and Civil	\$ 1,122,060.43
United Civil Construction	\$ 1,030,770.78
Engineer's Estimate	\$ 1,187,000.00

The evaluation method was lowest price conforming.

The United Civil Construction tender was found to be conforming. United Civil Construction have in the past delivered similar contracts and shown to have the required resources to undertake the work.

Financial

An adjustment has been made to the lowest tenderers price. This is to compensate for the tenderer substituting item 1.7 of the schedule of prices (traffic management), with a new similar item (item 6.3) having a shorter duration. It is possible that the contract will run to the full duration, hence the need for traffic management may be required for the full duration of the contract. This does not alter the tenderers competitive position or any of the rates provided.

After adjustment, the lowest tender is 12% lower than the Engineers estimate. This is believed to be realistic and market related.

An amount of \$1,200,000.00 was allocated to this project under the Three-waters reform grant funding secured via the signing of the Three-waters reform Memorandum of Understanding (MOU) by Whangarei District Council.

Chief Executive Approval

The contract for Rewarewa Road Watermain Replacement 2020 (CON20048) be awarded to United Civil Construction for the tendered sum of \$1,044,011.37 (One million, forty four thousand, eleven dollars and thirty seven cents.) excluding GST

5.2 Infrastructure Operational Report – November 2020

Meeting: Infrastructure Committee
Date of meeting: 12 November 2020
Reporting officer: Simon Weston (General Manager Infrastructure)

1 Purpose

To provide a brief overview of work occurring in the current financial year, across services that the Infrastructure Committee is responsible for.

2 Recommendation

That the Infrastructure Committee notes the Infrastructure Operational Report update.

3 Background

In November 2019, Council adopted committee terms of reference for the 2019 – 2022 triennium, with the purpose of the Infrastructure Committee being to ‘oversee the management of council’s infrastructural assets, utility services and public facilities’.

This report provides the Committee with a summary of Infrastructure operations during September-October 2020.

4 Significance and engagement

The decisions or matters of this Agenda do not trigger the significance criteria outlined in Council’s Significance and Engagement Policy, and the public will be informed via Agenda publication on the website.

5 Attachment

Infrastructure Operational Report – September 2020

Infrastructure Group

Monthly Operational Report

September 2020

Infrastructure Monthly Operational Report

Reporting Officer: Simon Weston (General Manager Infrastructure)

Date: November 2020

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Projects Overview

Infrastructure Planning & Capital Works

Planning & Capital Works Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Major Projects - Sense of Place				
New Town Basin Park	Construction	Oct-20	Nov-21	
Construction contract awarded to Robinson Asphalts. Starting on site 19 October.				
Ball Clock (3rd party project)	Final drawings	Aug-20	May-21	
Foundations installed. Off-site fabrication of ball clock progressing.				
Camera Obscura (3rd party project)	Construction	Oct-19	Nov-20	
Landscaping and final fit-out underway. Opening planned for November 2020.				
Town Basin Bus Facilities Upgrade	Design	Feb-21	Sep-21	
Investigation and design under way. Construction to be done in phases to minimise disruption.				
Pohe Island Destination Playground & Public Toilets	Design	Jan 21	Aug-21	
Detailed design nearly complete. Playground equipment procured. To be tendered November 2020.				
Pohe Island Skate Park	Construction	Jul-20	Mar-21	
Progress against programme is on track				
Tamaterau Carparks Upgrade (TIF funded)	Design & Consenting	Mar-21	Jun-21	
Archaeological Authority received. Progress relies on cultural impact assessment, to be provided by Hapū.				
Restoring the Mauri of Matapouri Stg 1 (TIF funded)	Investigation & Design	Oct-19	Mar-21	
Recycling & rubbish facilities installed. Community consultation held Feb/Apr. Investigating toilet options.				
Abbey Caves Car Park & Public Toilets (TIF funded)	Detailed design	Dec-20	Jun-21	
Detailed design underway. Procurement of physical works contractor planned for Oct/Nov 2020.				
Quarry Gardens Carparks	Investigation & Design	Jan 21	Aug 21	
Design of stream bank repairs has started, this is required after storm damage.				
Major Projects - Parks & Recreation				
Matapouri Beach Restoration	Procurement	Apr-21	Oct-21	
Moving of sand planned for Apr-Jul 2021. Consultation on beach access progressing.				
Sandy Bay Erosion Protection	Consenting	TBC	TBC	
Further consultation required.				
Princes Road Seawall Renewal	Consenting	Mar-21	Jun-21	
Design complete. NRC consent granted. WDC tree consent hearing scheduled.				
Ruakaka Sports Fields (Sand Removal)	Physical works	Sep-20	Dec-21	
Sand dune removal has started. Tender for field construction will occur once dune is fully removed.				
Ngunguru Seawall Renewal	Design	TBC	TBC	
Redesign underway after parts of consent declined relating to reclamation.				
Parihaka War Memorial Refurbishment	Construction	Sep-19	Oct-20	
Restoration of monument complete. Electrical supply work progressing after delay by slips.				
Town Basin Playground Renewal	Tender Evaluation	Jul-20	Nov-20	
Retaining walls complete. Some footpaths constructed. Running to programme.				
Town Basin Wharf & Boardwalk Renewals	Design	Oct-20	Oct-21	
Construction awarded with New Town Basin Park project contract. Works to start around January in this area.				
Town Basin Lighting Renewals	Design	Jan-21	Apr-21	
Light pole locations being reviewed to minimise clashing with tree root zones.				
Tikipunga – Sports Field Improvements	Construction	Nov-19	Apr-21	
Flood damage to Field 10 repaired. Field in kikuyu turf establishment and maintenance period.				
Pyle Road West Seawall Renewal	Consenting	Feb-21	May-21	
NRC consent granted. WDC consent submitted. Tender documentation being prepared.				

Waipu Youth Activity Zone	Site planning	TBC	TBC	
Project scoping work under way. Construction budgeted for 20/21 year. Responding to community feedback.				
Cobham Oval Carpark Upgrade	Construction	Oct-20	May-21	
Construction commenced 12 October.				
Frank Holman Track Renewal	Consenting	Jan-21	Apr-21	
Consent application in progress.				
Major Projects - Water				
Whau Valley Water Treatment Plant	Construction	Mar-19	Jun-21	
Constructing above ground structures. Commissioning dependent on COVID-19 and drought conditions.				
Ruakaka WTP Clarifier Upgrade	Construction	Mar-19	Sep-20	
First scraper completed. Second scraper commissioned and complete.				
Poroti Water Treatment Plant – Concept Design	Concept Design	Oct-20	Mar-21	
Design work underway.				
Major Projects - Waste & Drainage				
Whangarei WWTP Discharge Consent Renewal	Options Assessment	n/a	Apr-21	
Studies continue on BPO stage 2, Water quality phase 2, and AEE management. Technical group meetings.				
Stormwater Network Consent Applications	Technical Reports	n/a	Dec-20	
Stormwater Catchment Strategic Assessment underway. Data gathering, asset updates & mapping continue.				
Major Projects – Compliance & Regulatory				
New Animal Shelter	Design	Mar-21	Dec-21	
Detailed design being completed. Land purchase waiting on subdivision of land by third party.				
Major Projects – Venues & Events				
NEC Lighting Upgrade	Design-Build	Nov-20	May-21	
Foundation construction starting 9 November.				
NEC Replacement Roof	Concept Design	Feb-22	May-22	
Cultural narratives for concept plans have been completed.				

Waste and Drainage

Waste and Drainage Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Ruakaka WWTP Pond Reconfiguration	completed	May-20	Sep-20	
Project completed				
Kioreroa Rd Sewer Rising Main Replacement	Construction	Jun-20	Aug-20	
Construction complete.				
Marsden Bay-Ruakaka WWTP Rising Main Upgrade	Design	Feb-21	Aug-21	
Route survey ongoing. Access permission problems resolved				
Cove Rd-Waipu WWTP Rising Main Replacement	Design	Apr-21	Aug-21	
Landowner approvals being sought.				
Smeaton Dr/SH1 Sewer Renewal	Construction	Jul-20	Nov-20	
Construction delayed due Traffic Management for SH1.				

Water Services

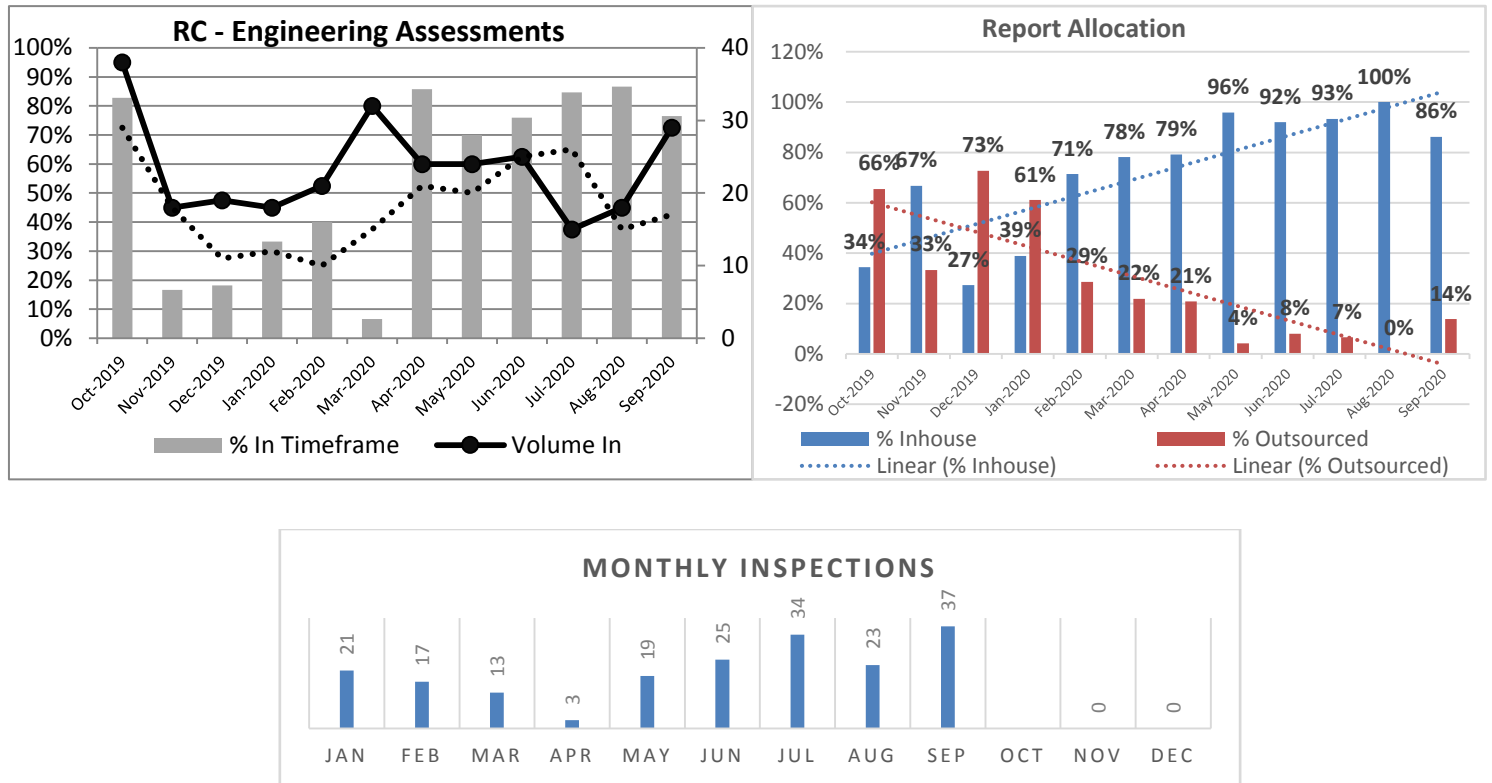
Water Services Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
Water Treatment Plant Upgrades	Design	Sep-20	Jun-21	
Various works, programme being developed.				
Meter Replacement Contract 2019/20	Design	Sep-20	Jun-21	
Focus on large and bulk meters, programme being developed.				
Reticulation Programmed Works 2018/19	Construction	Jul-20	Jun-21	
Hospital Road underway – Whareora Rd and Rewarewa Rd works being planned.				
Minor Projects - Emergency Works	Design	Feb-21	Jun-21	
Programme being developed.				
SCADA Upgrade	Construction	May-19	Jun-21	
Ahuroa site complete, Poroti next.				

Roading

Roading Projects	Current Stage	Estimated Construction Start Date	Estimated Completion Date	RAG Status
LED Street Lighting – Supply & Install (V Category)	Construction	Jul-19	Jun-22	
Retrofit almost complete. Southern infill contract awarded and underway. Northern infill contract awarded.				
KSP Stage 5 (Final link to Kamo Village)	Detailed Design	Feb-21	Jun-22	
PR020003 Funding for detailed design complete. Business case accepted and detailed design well underway.				
Inner CBD Transport Model	Optioneering	n/a	Jun-20	
Final modelling report has been completed.				
Dent Street Pedestrian Crossing Upgrade	Design	Mar-21	May-21	
Design nearly completed. Works to coincide with the New Town Basin Park so both are completed at a similar time.				

Infrastructure Development

Development Engineering



Developments under construction

Development	Location	Size (Lots)
Puriri Park	Puriri Park Road	37
Breambay Village	One Tree Point	75
Nova Scotia	Waipu	18
Marsden Cove Ltd	Stace Hopper Drive, One tree Point	70
Slatter	Te Hape, Maunu	12
Parrish	Te Hape, Maunu	8
Barrett Homes	Corks Road, Tikipunga	36
Totara Parklands	Stage 6a, Tikipunga	24
Jessie Trust	Clapham Road	8
TMB Developments	Three Mile Bush Road	28

The number of applications received in September for Engineering assessment was 29 compared to 18 in the previous month. A total of 17 reports were issued and 7 placed on hold for further information. The 29 applications received for engineering input is higher than the 5 year monthly average of 24.

The 8-day level of service for engineering report delivery was 76% in September. The team has been working hard to improve the delivery times. Reliance on external consultants has picked up again as we experience an increase in workload, 86% of applications were processed by Council staff in September. The Development Engineers are undertaking an increased number of inspections, we expect the number of inspections to increase over the summer construction period. We are also attending a number of pre-application meetings.

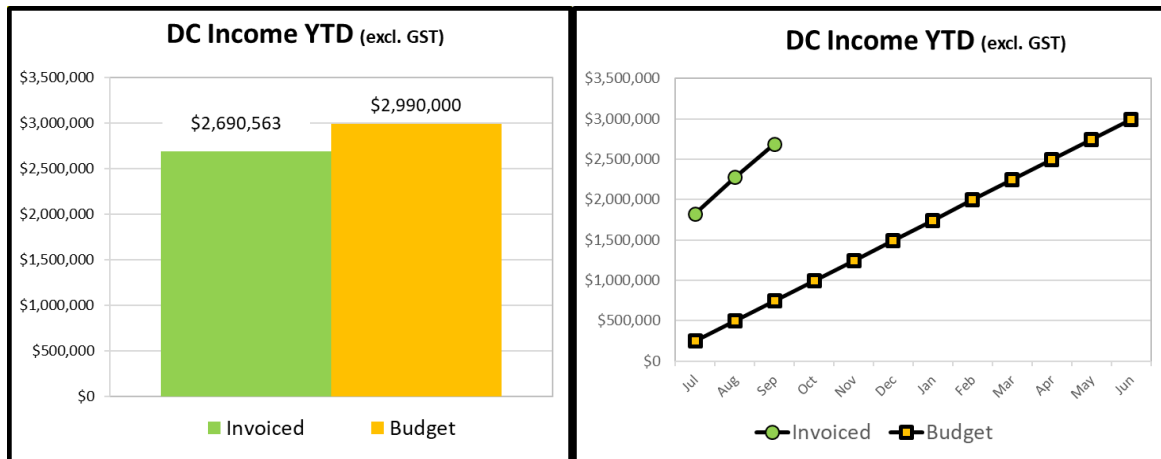
We receive input from Geotechnical and Stormwater experts as part of the Engineering plan review process due to some sites being subject to high instability risk and flooding hazard areas. Internal staff don't have the expertise to assess these more complex sites.

The Development Engineers have been assisting other departments where there has been a shortfall in staff including the Waste and Drainage and NTA (WDC).

Development Contributions

\$411,000 was received in September. By November we expect to be well over budget. The budget was reduced due to the uncertainties of a Covid-19 economy.

30 applications were assessed as requiring contributions in September, these include staged consents. Work on the Policy review is ongoing, with the model ready to be populated with LTP projects for initial charge calculations.



Infrastructure Support

There were 53 contract claims processed for the month of September. This is slightly higher than last month and 10 claims less than September 2019. There were 516 purchase orders processed by the team for September which is considerably higher than last month due to the number of annual NRC consent fees. Business is as usual in other areas with 35 Public Utilities processed.

Work has begun with the Water and Waste departments to process Public Utility applications digitally. The team has had a reshuffle with staff leaving and others returning to work from extended leave.

Capitalisation of Assets

The financial year is under way with a current year spend of \$5,990,411.63 which includes \$2,380,306.74 of work carried out for the new Water Treatment Plant. LTP figures are still being finalized and the graph will be updated to show 2020-2021 LTP balances. August is showing a total WIP balance of \$36,093,518.19 across Water, Waste and Parks, which includes \$22,145,475.22 spend to date on the new Whau Valley Treatment Plant. Part of the remaining balance (3,491,337.62) is prior year projects waiting to be capitalised.

SIGMA Project

Progress has been made and certain parts of the project are coming together nicely. Key Business Users are making decisions as a group which gives more certainty around processes and data. We are working together as a team to ensure we get the best outcome for the project after go-live to produce a good working system once up and running. Agreement for team to have data mapping completed by end of October.

LTP Infrastructure workstream

Asset Managers continue work on the Activity Management Plans (AMPs) which will inform the first 10 years of the Infrastructure Strategy and Long Term Plan (LTP). Draft AMP projects have been sent to Finance and are part of the decision making for the next LTP. Project prioritisation methods are being worked through for Councillors decision making. Once final decisions from council are confirmed (mid to late October) asset managers will finalise plans. Asset Managers and Finance systems (EB and SPM) will be updated in the iterative process of arriving at a set of Capital projects that will make it into the Draft LTP. The Infrastructure Strategy work is on-going with work taking into account climate change strategies and Audit NZs signalling of expectations in this area.

Health and Safety

Health and Safety Risk Update August 2020

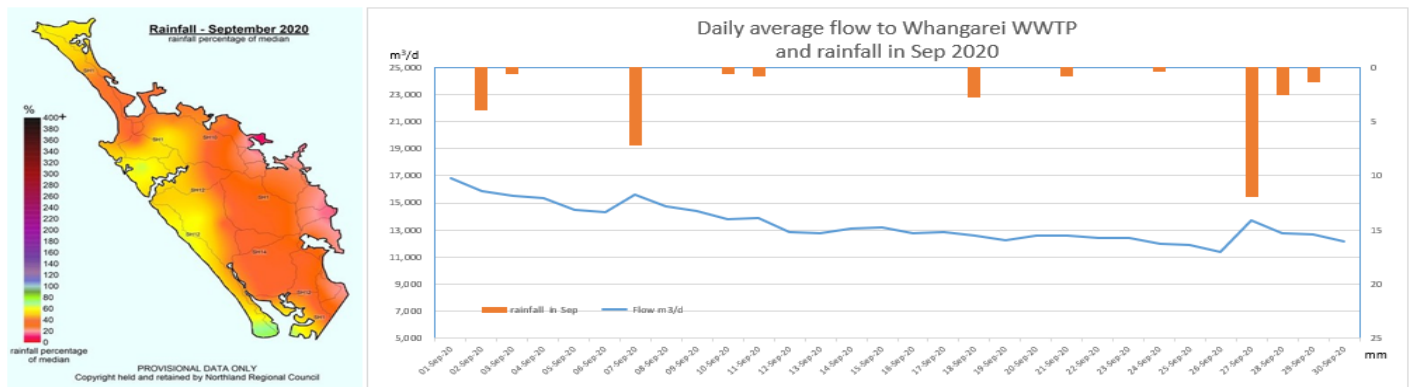
- **Traffic Risk** Several departments logged department hazards on request on the risk of working in the road corridor. This makes the risk more visible and in a management system that receives regular review. Having staff trained and with current traffic management plans is an area that we have to remain vigilant about.
- **Training:** Several staff undertook confined space entry and work at height compliance training.
- **Procedures:** An entry into Dangerous buildings and hazardous sites protocol was developed, as some Infrastructure team members must visit these sites. An enquiry is being made into government run training and if this could be made available to Council staff in Northland.
- **Reported incidents:** There was only one near miss incident reported by staff this month, regarding use of a boat on Wilsons Dam.
- **Contractors reported six medical treatment incidents;**
 - Four involving Northland Waste runners; dust in eye, hit knee on door injury, hit in face by bouncing bottle and one involving a thumb being bent backwards
 - One involving a Recreational services staff member who cut their finger with a pruning saw
 - One involving a Downer worker who rolled his ankle on a kerb

Waste and Drainage

Operations and Maintenance

Whangarei WWTP

For the first six days of September, the inflow dropped consistently from its peak – around 17,000 m³ – to around 14,300 m³. Rainfall of 7.2 mm on 7th boosted the flow back up to around 15,500 m³, thereafter it steadily reduced. On 26th the flow reached its low point for the month, which was just above 11,000 m³. A three-day rain event starting on the 27th with a recorded total rainfall of 16 mm elevated the flow to just above 12,000 m³. In general, September witnessed a gradually declining flow trend to the plant.



NRC image depicting the percentage of normal rainfall and & graph depict illustrating the daily average flow in m³/d through Whangarei WWTP in Sep 2020

Activities carried out at the main plant during September included:

- The generator was serviced at Okara pump station
- The Kioreroa Rd rising main replacement was completed.
- New water tank to supply water for dewatering units was installed including: water level indicator, ballcock valve.
- 2 new actuators were ordered for the grit vortex chamber at the inlet work.
- Secondary clarifier No 1 had the wash water pump motor bearings fail. Replacement was ordered.
- Primary clarifier no 3 was pumped out so investigation could be carried out. No issued identified. While No 2 received new reconditioned drive gearbox and new motor.

Whangarei WWTP Resource Consent Renewal project

W&D team met with the consultant at the main plant to review the current monitoring plan and completed the gap analysis.

The consultant also prepared a long list of practicable options for the main plant. This includes consideration of future flows and loadings due to population increase (growth in the city). The operations team is working with the Planning team to engage with both community and key technical stakeholders for the consenting strategy.

Rural WWTP Major Operation & Maintenance

Ngunguru

- UV system was serviced.
- Weeds were cut between pond 1 & 2. Vegetation was burnt off.
- MABR (Membrane Aerated Biofilm Reactor) demo system was commissioned and became operational on 25 September after three sheets of membranes were installed by the Operation teams.
- The demo unit is running to treat 7.2 m³/d with air supply of 0.78 Nm³/hr and air mixing of 1.92 Nm³/hr with 10 seconds on and 110 seconds off sequences.
- After stabilizing the demo for approximately 2 weeks, testing will be carried out for process optimization.

Hikurangi

- Aerator No 1 was pulled to side of the pond so our electrical team could investigate an operational problem. The problem was identified due to overload. After a service, it was working fine.
- Operations team met NRC monitoring officials to discuss an ongoing monitoring plan to determine how best to achieve full compliance.
- Waste and drainage have sought approval from NRC to extend the monitoring so that the preferred treatment option can be identified and implemented. The operations team will install instruments to monitor the plant performance at various locations - inlet pond, aeration basin pond and wetland.

Oakura

- The lamp indicator for UV system was replaced.
- Sludge pump faulted and was serviced.
- The Pre-UV tank leakage was fixed.

Ruakaka

- The pond reconfiguration project has been completed. The new line was CCTV surveyed and footage has been reviewed.
- The water level in Pond 2 needs to be raised to accommodate the operation of the new surface aerator.
- Ruakaka inlet screen was overloaded. Our electrical contractor is investigating.
- The Zone 3 ponding caused by excessive rainfall and high-water table is now resolved.

Waipu

- Erection of the new security fence was completed.
- The Rapid infiltration basin (RIB) was serviced to improve disposal of treated effluent from our plant.

Tutukaka

- The plant PLC was fully re-booted.
- Longer bolts and wing nuts were installed at the inlet screen inspection hatch.
- Replacement lamp for UV was ordered.
- The annual inspection of all reticulation sand filter pumps was completed. No issues found.
- Spray completed near bore area.

Portland

- Security fencing work to be resumed as ground condition became drier.

Reticulation

There was one recorded spill incident in September 2020.

Date Spill Started	Date Spill Detected	Date Spill Ceased	Location	Cause	Volume (m³)	Type of Sewage	Action Taken
Unknown	28/09	28/09	At the back of 166A Western Hills Drive Whangarei	The aerial crossing had shifted at the gully during the July storm, allowing seepage from the joint and rags to build up on the leading edge of the downstream manhole starter; causing a blockage.	<5m³	Raw/unscreened	NRC and DHB notified, pipe levered back in place then blockage released preventing further spill, remote location on creek bank

Stormwater repairs post flooding event on 17 July 2020

No	Location	Repair started	Estimated completion date	Notes
1	Aerial crossing at Walton Street	18-Jul	30-Jul	completed
2	Porowini Ave Aerial crossing	18-Jul	31-Jul	completed
3	Whareroa Aerial crossing	18-Jul	4-Aug	completed
4	40 Glendale Road - Coronation Reserve	24-Jul	10-Aug	completed
5	238 Beach Road	1-Sep	25-Sep	In progress
6	4 Reotahi road	25 Aug	30 Sep	In progress
7	Riverside Drive	27-Jul	Nov 20	Design completed, all pipes were delivered on site. Waiting dry weather so installation can be carried out.
8	Memorial Drive	15 Sep	Oct 20	75% complete

Stormwater complaints identified

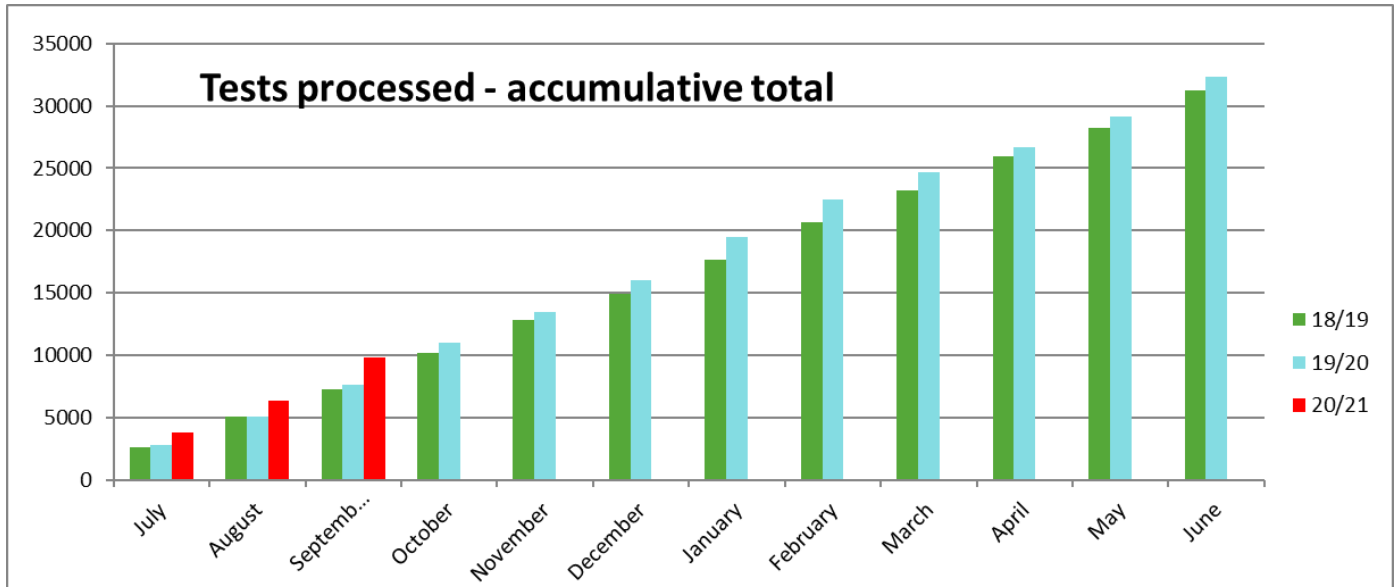
No	Location	Description of problem
1	Shortland street	Localised flooding. Replaced 2 cesspits and connecting pipe in advance of the roading footpath renewal project
2	Wrack street	Flooding to properties around 15a Wrack St. CCTV completed – found that a water main has been drilled through the stormwater pipe restricting flow. Currently working with water team to remove the water main before investigating flooding further.
3	23 Stuart Rd, Reotahi	Council infrastructure inadequacies alleged to be damaging property
4	Dune Lake, Ruakaka	Local residents complaining about vegetation and silting in the lake
5	14 Porowini Avenue, Morningside	Flooding to properties at bottom of the hill.
6	257 Oakura Road	Property in coastal inundation zone experiencing flooding issues.
7	48 and 54 Handforth St	Runoff from airport allegedly causing flooding to properties.
8	13 Henry Street	Flooding to properties in this area of Regent

Note: **: Contractor visited the site to confirm scope of work. A proposal shall be submitted for review and approval

Laboratory Report

For September 2020 755 samples were analysed for 3447 tests. 29% of the tests were subcontracted and 40% of results were reported within 5 working days. Overall this represents a 22% increase on testing performed when compared with the same period for last year.

Graph: Test numbers for year ending 30 June.



Roading - Transportation

Maintenance Contracts

It has been a busy month in September and our crews have been working through our routine work of CRM's and sealed potholes, trip hazards, grates, unsealed potholes, road sweeping, walkways etc

The crews are also still working through all the storm damage from July, they are steadily making progress at completing the work.

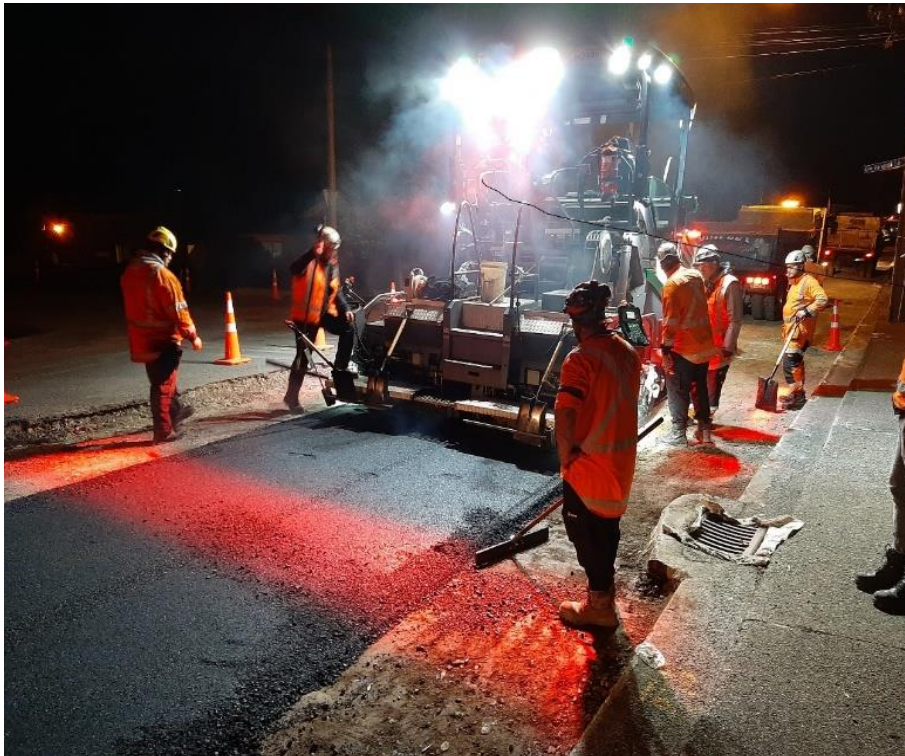
Programmed works completed this month were as follows:

- Rehabs and seal extensions have begun on Franklin Road, Ody Road, Pipiwai Road, Pataua North Road, McCordle Road.
- Mill Road –Section 1A (RP 40 to RP 420; Bank Street to Parahaki) Phase 1, left hand side SAC PMB 100mm layer completed. The appurtenant work progressed well, with the removal of the islands at the intersections, Kerb & channel replacement and new subsoil drains. Our stakeholder management have received commended notes from the local residents, who appreciates the correspondence and personal visits to discuss the details of the work. Night work have been reduced by 35% over the construction of section1.
- Westwood Lane pavement and surfacing construction works to resume at the end of October 2020.
- Limeburners Road enabling work starting this month.
- We have had digger crews that have been clearing slips and damage caused by the July storms.
- Line marking in Waipu is 99% completed, One tree Point completed, Ruakaka completed.
- Tangihua Rd – Install Bridal Track 720m long.
- Tauraroa Rd – Installed swale drain, cut out low shoulder, cleared footpath, filled in pot holes.
- Marsden Point Rd – Installed threshold sign.
- Cove Rd – Installed threshold sign.
- Konini St – Installed concrete swale drain, installed 2 x vehicle crossings.
- Campbell/Hedley Place – re-install fence along walkway.
- Flyger Rd/Mititai Rd – Re-build shoulder.

- Takahiwai Rd – Remove approx. 10m3 of metal from estuary.
- Western Heights Drive – repair broken fence.
- Tarewa Rd – Lay AC footpath.
- Temp pavement repairs on Mill Rd, Port Rd, Kiripaka Rd, Kioreroa Rd RewaRewa Rd.

Routine works completed this month include:

- Routine maintenance crews have been following the inspectors.
- Graders have been out getting the roads ready for summer.
- Increase of shoulder repairs, caused by scouring from the July Storm.
- Vegetation sight-line clearing has begun for this season starting on Ngunguru Rd and working north.



Night Paving - Mill Road

Projects started in September

Category	Sub activity	Location
Seal Extension - Unsubsidised	Seal Extension	Ody Road

Projects to start in October

Category	Sub activity	Location
212 - Sealed Road Resurfacing	Sealing Chip seal	South Region (67.5km) North Region (70.5km)
212 - Sealed Road Resurfacing	Sealing Chip seal	Various locations - TAC 2.43km
214 - Sealed Road pavement rehabilitation	Rehabs	Pataua North Road
214 - Sealed Road pavement rehabilitation	Rehabs	Dickson Road
214 - Sealed Road pavement rehabilitation	Rehabs	Pipiwai Road Nth
341 - Low Cost Low Risk	New Footpath	One Tree Point Road
Redeployment Package	New Footpath	One Tree Point Road
Redeployment Package	New Footpath	Ngunguru Road from Whangarei Falls to (or close to) Ngunguru Road Path
Redeployment Package	New Footpath	Tauraroa Road, Maungakaramaea
Redeployment Package	New Footpath	Gillingham Road
Seal Extension - Unsubsidised	Seal Extension	Franklin road

WDC Significant Projects

Category	Sub-activity	Location	% Complete	Monthly Update	Next month planned activities
125 - Footpath Maintenance	Footpath Renewal	Rose Street	0%		
214 - Sealed Road pavement rehabilitation	Rehabs	MAUNU RD	0%	Design and Investigation	Tender out the ECI contract
214 - Sealed Road pavement rehabilitation	Rehabs	REWA REWA RD	0%	Design and Investigation	Tender out the ECI contract
214 - Sealed Road pavement rehabilitation	Rehabs	MILL ROAD	3%	Finalise Design and schedules, complete K&C replacement.	Start pavement rehab.
324 - Road Improvements	Intersection	Springs Flat Intersection (Using Jeffs carry over amount)	#DIV/0!	n/a	n/a
324 - Road Improvements	Intersection	Maunu/ Porowini Intersection	40%	Construction complete and Practical Completion Certificate issued. Final paperwork to come (asbuilts etc.)	12 month Defects Period. Receive close-out documents and final claim from contractor.
341 - Low Cost Low Risk	Bridge	Whangarei Heads Road	0%	Awaiting RC approval	Tendering
341 - Low Cost Low Risk	Intersection	Robert/ Walton Intersection	16%	Progress detailed design	Progress detailed design
341 - Low Cost Low Risk	New Footpath	One Tree Point Rd	0%	Physical works procured	Commence physical works
341 - Low Cost Low Risk	New Footpath	Rose Street and Lwr Bank Street Ped Crossing	0%		
341 - Low Cost Low Risk	Pedestrian Improvements	Dent Street Pedestrian Crossing Upgrade	2%	Concept Design and first safety audit completed	Detailed design continues including changes proposed from Safety audit
341 - Low Cost Low Risk	Safety	Ngunguru Road - Murphys Cnr	0%	Scoping investigations completed	Commence preliminary design
341 - Low Cost Low Risk	Safety	Cove Road	0%	Finalising design and testing with WSP	Complete design and approach contractor to start pricing construction.
341 - Low Cost Low Risk	Speed	Various sites - Speed limit infrastructure	0%	Initial discussions with sponsor	Continue discussion on scope of works and delivery planning
341 - Low Cost Low Risk	Traffic Calming	Hikurangi Township (King Street/George Street/Valley Road)	94%	Complete construction of signage, markings, pedestrian link/paths, box culvert installation and reinstatements	Safety audit and construction completion.
452 - Cycling Facilities	Cycleways	Kamo cycleway Stage 5 (Fisher Tce to Station Rd)	7%	Design still progressing but focus shifted to CIP funded shared path works which are more urgent.	Continue progressing design
New Footpaths - Unsubsidised	New Footpath	Whangarei City Wide (Sense of Place) c/o from 19/20 - Not our project?	0%	On hold until footpath template for City Core confirmed	n/a
Redeployment Package	New Footpath	One Tree Point Rd	0%	Physical works procured	Commence physical works
Redeployment Package	New Footpath	Ngunguru Rd from Whg Falls to (or close to) Ngunguru Rd path	4%	Detailed Design received; contractor's pricing is underway	Agree price, issue NTC, start construction
Redeployment Package	New Footpath	Tauraroa Rd, Maungakaramaea	17%	Detailed Design received; contractor's pricing is underway	Agree price, issue NTC, start construction
Redeployment Package	New Footpath	Gillingham Rd	8%	Detailed Design received; contractor's pricing is underway	Agree price, issue NTC, start construction
	Public transport	Rose Street Bus Terminal	0%		

High Risk Rural Roads:

- The NTA has developed 14 Standard Safety Intervention applications for key High Risk Rural Roads and intersections across Northland. SSI application are simplified Single Stage Business Case (SSBC), tailored for Road Safety interventions. The first draft (submitted to NZTA for feedback) was 10 routes across Northland. Work has started on the remaining eligible routes. Whangarei routes in the first 14 – this will inform future Road Safety programmes;
 - Vinegar Hill Rd – completed 2019-20, awaiting post-construction Safety Audit, which may recommend further improvements; short term and long term.
 - Whangarei Heads Rd Whangarei Heads Road – Standard Safety Interventions (SSI), installation of EMP's completed, curve advisor signage design to occur in 20/21 and other major implement 2021-24.
 - Ngunguru Rd – major safety improvements including Murphy's Bend; short term complete, design for medium and long term.

High Risk Intersections (Safety):

- Kamo Rd / Kensington Ave Intersection – implementing camera identification of right-turning vehicles to improve safety (2019-20). Installation of camera is complete and monitoring continues to determine if it has been a success – reduction in number of Kamo Road southbound vs right turn into Nixon St filter phase accidents.

Speed Management:

- Tranche 1 – Council has adopted the recommendations report for each of the following areas;
 - I. Te Toiroa Rd (Legal Unformed Road) Ngunguru, which forms part of the Old Ngunguru Coach Trail.
 - II. Vinegar Hill area
 - III. One Tree Point / Marsden / Ruakaka area
 - IV. Waipu Village
- Tranche 2
 - I. 2A – Bream Bay (Cove Rd) – concurrent with Kaipara's Managawhai area. Consultation planned for Summer 2021-22, with the Hearing and Decisions early-mid 2021, and implementation mid-late 2021.
 - II. 2B – Whangarei Heads. Planning started for consultation for early-mid 2021, implementation (2021-22).
- Tranche 3 (2021-22) – Tutukaka Coast (Ngunguru Rd & Russell Rd) and Bay of Islands (Opua / Russell). These two areas will be reviewed concurrently with Far North's Russell catchment area to ensure a seamless and coherent approach to both consultation and delivery of speed management.

Walking and Cycling (Urban):

- Kamo Shared Path
 - I. Stages 1-4 were formally opened on 25 November 2019.
 - II. Funding for Stage 5 has been approved and the detailed design is underway. Stage 5 includes the final link to Kamo Village. Construction planned for next LTP (2021-24).
- City Centre including Onerahi link and improvements to Hatea Loop – Is now part of the City Core workstream.
- 10yr Implementation Plan – to bring together the City Core Plan works, our Walking & Cycling Strategy and Blue Green Network Strategies. We have engaged Viadrada to develop a 10-year plan, which will complement these high-level strategies, with more detail and prioritisation of sections. This will take 6-12 months and will inform our next LTP.
- Tikipunga Cycle Trail Stage 1 – Council received \$400k from government (Redeployment Fund) as part of the post-COVID stimulus package. This funding is being used to development a gravel trail between Vinegar Hill Rd and Ngunguru Rd, effectively extending the Hatea River Walkway to connect with Totara Parklands river path. Stage 1.
- Council received \$6m from the Crown Infrastructure Projects (CIP) – contract (MBIE) to be signed. Works;
 - I. \$0.5m Kamo Shared Path – Link to Kensington Park Stadium. Design & Implement 2020-21.
 - II. \$0.5m Tikipunga Cycle Trail (Stage 2) – continue path from Ngunguru Rd (Whangarei Falls) to Vinegar Hill Rd, connecting with Totara Parklands River Trail. Includes a 12m bridge. Implement 2020-21.
 - III. \$5m Raumanga Shared Path – design (2020-21) and implement over the next 2 years.

Waipu Walk & Cycle Trust

- Stage 2a Cullen Rd to Waipu Cove – Physical works is complete, except for the culvert extension works (Council project) planned for 2021-22 and final trail surface – See High Risk Rural Roads.
- Stage 2b McLean Rd to Cullen Rd – works has started, waiting for the ground to dry further before continuing.
- Stage 3 Riverview Place to Cullen Rd – planned for future years as a joint Trust and Council project.
- Future: Waipu to One Tree Point – NZTA (Waka Kotahi) are considering funding the complete design of Waipu Village to One Tree Point.

NZTA Northland Integrated Cycle Network (tourism)

Updates on Region;

- Waka Kotahi are considering funding the detailed design for Waipu Village to One Tree Point
- Waka Kotahi are incorporating a cycle trail from Whangarei City to Ruakaka in the NZUP four laning of SH1 between Whangarei and Ruakaka.

Whangarei Heads Trail

- Whangarei Heads Rate Payers Association, with a grant from Council are developing a proposal to build a trail connecting McLeod Bay and Parau Bay Village. Scheme design is complete, consultation/engagement has started.

Te Matau a Pohe Road Light Replacement

- McRae Global have successfully installed the new luminaires in January. It has been identified from investigations completed so far that the root cause of the problems re. some of the lights not working is not the light fittings. We believe that the probable cause of the faults is moisture entering the electrical connections inside the bridge deck, causing the circuit breakers to trip. We are engaging an independent electrical engineer to review the installation, validate this probable cause and advise on corrective action.

LED Street Light Conversion

- The installation of the V-Category (arterial road) retrofit lights (ie swapping the old light for new LED) being undertaken by Currie Electrical is 95% complete. The remaining lights are located in the CBD mall area and require modification to the existing outreaches. These modified outreaches have been manufactured and are now being installed.
- The Southern V-Category infill streetlight contract (ie those requiring new poles) was awarded to Currie Electrical on 16 March 2020 and is well underway with most of the central city area completed. This portion of the work is due to be completed in December 2020. This contract also includes new streetlights in the southern half of the Whangarei District and all of the new lights in the Kaipara District. This portion of the work will be undertaken in the 2021/24 LTP.
- The Northern V-Category infill streetlight contract has been awarded to McKay Electrical. This contract includes new streetlights in the northern half of the Whangarei District and all of the new lights in the Far North District. This work is expected to start in November and has an extended completion timeframe of June 2022 due to budget constraints.
- We are currently investigating both Auckland Transport's central management system (CMS) and other "Smart Cities"-type CMS to control the new LED streetlights. Again due to budget constraints, a trial may be done in 2020/21 to confirm whether a CMS system should be rolled out over the network in the 2021/24 period.

Inner CBD Transport Model

- The final modelling report has been completed.

Parks, Recreation and Solid Waste

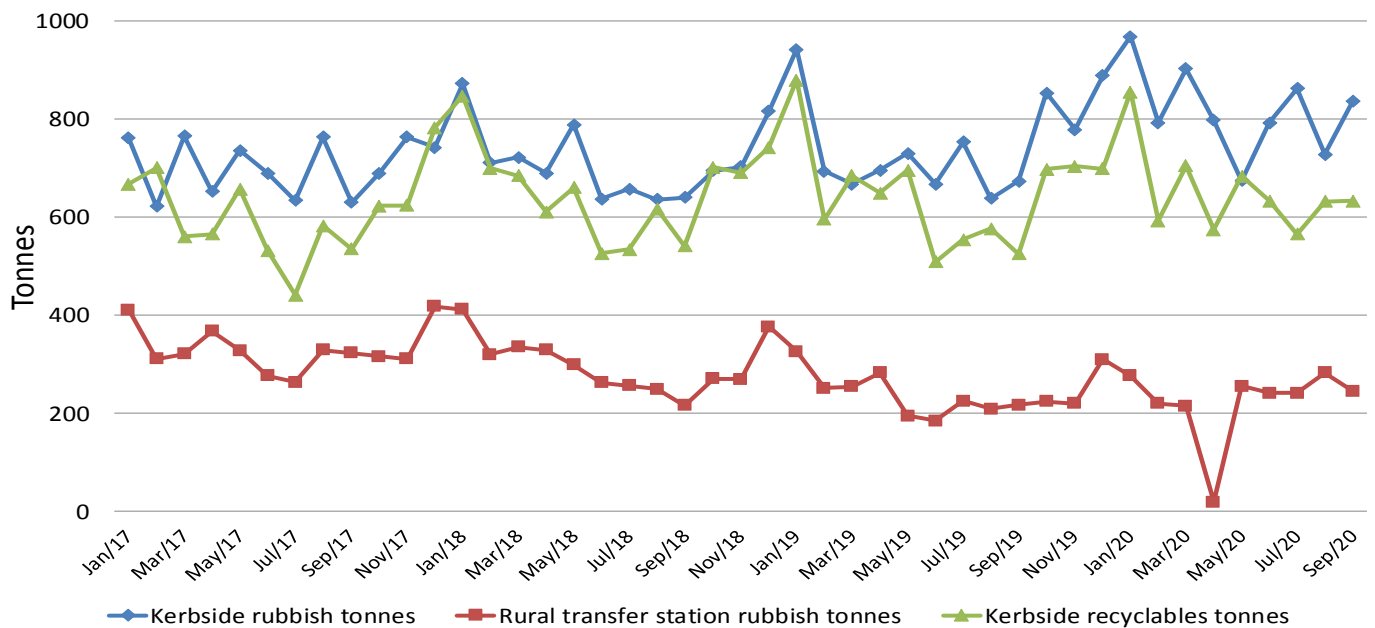
Operations

Solid Waste Operations

Kerbside rubbish volumes collected in the first quarter of the year are almost 20% higher than the same period last year. The kerbside recycling volumes collected in the first quarter of the year are 4% higher than the same period last year.

Monthly waste tonnages are shown in the table and chart below.

Solid Waste Tonnes Jan 2017 - Year to Date



Rubbish Collection Tonnes	2020/21	2019/20	RTS Tonnes	2020/21	2019/20	Recycling Tonnes	2020/21	2019/20
June		793	June		241	June		633
May		675	May		256	May		684
April		798	April		20	April		575
March		903	March		215	March		705
February		793	February		221	February		593
January		969	January		277	January		856
December		889	December		311	December		699
November		779	November		220	November		704
October		853	October		224	October		698
September	836	674	September	246	217	September	633	525
August	728	638	August	238	210	August	633	577
July	862	753	July	246	226	July	566	554
Total for period	2426	9517	Total for period	730	2638	Total for period	1832	7803

Walking Tracks

Our contractors have been flat out undertaking repairs to walking tracks following the 17 July storm. It has been dry this month aiding repair work. The Parihaka walking tracks are now repaired and open again. The Ross Track required repairs and reinforcing under three bridges, a diversion around a big slip and foundation repairs to the staircase. A major slip has been built over on the Drummond Track. The new routes through Mackesy Bush held up well generally but here too, surface repairs were widespread. The Hatea Walkway has also been re-opened following extensive damage north of Mair Park and three contractors have been working to re-open the Whananaki Coastal Walkway where numerous slips occurred.

The Hatea Walkway between AH Reed and Whangarei Falls is open but requires a lot of repair as do the Coronation Reserve tracks. It is hoped to complete these in October.

The new cycle path around Tikipunga Sports Park is now complete and the 'team' have moved on to start further upstream, focusing on land adjacent to Kamo Pony Club. Fences will need to be repositioned to allow for the additional width required by a cycleway, so this will be quite an undertaking. In addition, a former ox-bow will need to be bridged which will require considerable thought and designing.

Tree Maintenance

Treescape® had one and half crews running on the WDC tree contract this month. A good month on proactive work with very minimal reactive work completed. Now that the reserves are getting drier more reactive work that was unable to be completed during the wetter months will be added into the work program.

A total of 12 streets and 2 Parks were completed in September as part of the regular pruning cycle pruning cycle. Due to the drier weather towards the end of September we have already started Parks and Reserve work. 18 CRM's for the month of August completed.

Coastal Structures

The contractor is now up to date having completed 54 inspections across the district. As a new initiative they are providing a report of identified minor issues to aid in decision making.

Lovers Lane bridge abutments were repaired as per specifications, due to the alignment of the Raumanga shared path not yet finalised no further action is required as the future of the existing bridge is uncertain.

Consent for the filling of the sea-caves at One Tree Point has been approved. Pricing and methodology previously supplied will be re-reviewed.

Sports Parks

September brings the end of the winter season and the start of field renovations ready for the summer sports. Cold dry weather has meant that grass growth has been slow but good for preparing cricket blocks. Cobham Oval is slowly growing back following extensive gravel band drainage and scarifying. Pakistan are due to play here in December for two games.

Line marking is also required for touch rugby and softball, both of which are very popular currently.

Hora Hora will get renovated during October and there will be a lot of weed spraying to complete too. The lights here are now nearly complete with some minor additional poles required around the scout hut and car parks.

The field at Tikipunga that suffered from storm damage has been levelled and re-sown with kikuyu stolons. Dry weather will mean that irrigation will be necessary, as it is essential that the grass gets established quickly if the field is to be available for next season.

The boundary fence around the athletics track at Kensington Park is being renewed and should be complete by late October.

Parks and Gardens

September received 37mm of rainfall with 7mm and 14mm the only good amounts of rainfall received. This is a dry month for September compared to recent years.

The contractor has been very busy trying to keep on top of the spring growth, with the weed growth very fast at present. The annual beds are being prepared for planting (starts after Labour weekend), some of the lupins beds have been removed and others have been deadheaded (to stop the lupins going to seed and cause future weed issues). We have been mulching down the removed lupins to create a compost to add back into the beds at a later date. The contractor has also completed a riparian planting at Barge Park, using left over plants from the Parihaka Fire planting, and planting and mulching a garden beds at Otaika Shops, the Railway Station and Vine Street carpark. They have also continued to do a big push on mulching at various areas around the city and particularly on the South end of town. With another seemingly dry month, they will continue this practice over the coming months.

Grass growth during September was reasonably slow and the contractor has been keeping up and making sure that all grounds are to spec so when the spring growth does finally hit that they are on top of their sites. Since September was dry, the sites traditionally wet over winter were able to dry out and the contractor has been able to mow these sites and they are back up to spec now. Tarewa Park (where new Road layout and bridge construction) has been mown ready for the opening in early October.

Playgrounds and Skate Parks

During September, issues on the playgrounds were very quiet. The Town Basin renewal is going well and on track to be opened by the end of the calendar year.

The Ngunguru skate park is open and has been well received by the community. The William Fraser skate park renewal is in full swing. And designs have been received from Playground suppliers for this year's playground renewals. The playgrounds are Taurikura, Marsden Bay and Hedley Place. Consultation with schools will take part in October.

Cemetery

A busy month with 11 burials and 20 ash burials taking place. We had another natural burial bringing the total to 5 burials since opening of the area in July 2018. We have now had 8 burials in our family plots with 36 reserved plots for future use.

A meeting was held at the McLeod's Bay cemetery (Whangarei Heads Pioneer Cemetery), with a group of locals interested in maintaining the cemetery. It was decided that a couple of dead trees need to be removed before they fall onto the headstones and a survey done to work out the exact boundaries. This cemetery has a lot of links to the area, with names like Wellington and Urquhart's to name a couple.

The annual meeting with the friends of Maunu cemetery group was held and the old portion of the cemetery has a new lease of life where they started planting last year.

Botanica

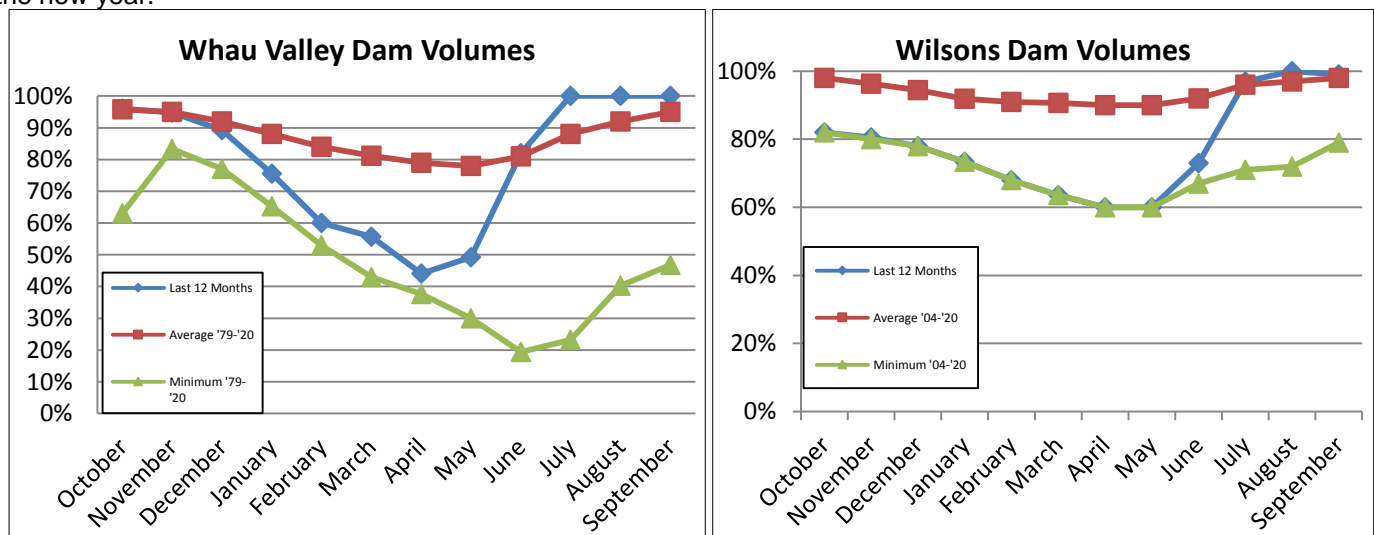
Visitor numbers: 1'631 - a huge increase in visitors compared to earlier in the year. People are getting out and about again. Sourcing plants has been difficult with all the growers out of action for so long, there is a lack of plants at the moment. The team was very resourceful though and made sure it did not affect the look and feel of the conservatory.

Water Services

Operations

Rainfall and Water Sources

After four wet months in a row September was significantly drier than normal. Only 43mm of rain fell at Whau Valley during the month compared with the September average of 143mm. The total rainfall at for both Wilsons Dam and Whau Valley Dam is now slightly less than normal for the time of year. The Whau Valley Dam remains full and Wilsons Dam is now beginning to drop and sits at 99%. It is expected if the current dry weather continues that the dams will start to drop quicker, particularly as demand will increase heading into summer. However, the long-range forecast is for normal rainfall over the next 3 months and if this eventuates all water sources should maintain reasonable levels heading into the new year.



Production Report

Compliance

Whau Valley WTP – Plant was fully compliant for protozoa and bacteriological.

Ruakaka WTP – Plant was fully compliant for protozoa and bacteriological.

Ahuroa WTP – Plant was fully compliant for protozoa and bacteriological.

Ruddells WTP – Plant was fully compliant for protozoa and bacteriological.

Poroti WTP – Plant was fully compliant for protozoa and bacteriological.

Maungakarama WTP – Plant was fully compliant for protozoa and bacteriological.

Mangapai WTP – Plant was fully compliant for protozoa and bacteriological.

Other works

The algal bloom at Wilsons Dam continues although levels remain low as water temperatures have not risen much and rainfall remains low. Additional dosing equipment and mixture have been ordered and it is proposed to widen the trial area during the up and coming algal growth season. The equipment should be in an operating by the end of October.

The upgrade of the SCADA system is progressing well after delays due the drought and Covid-19. The first of the water treatment plants, Ahuroa, is now on the new system and is working well. The next plant to be done will be Poroti which will be shut down and switched over in mid-October. Until all sites are completed staff will need to work with two systems.

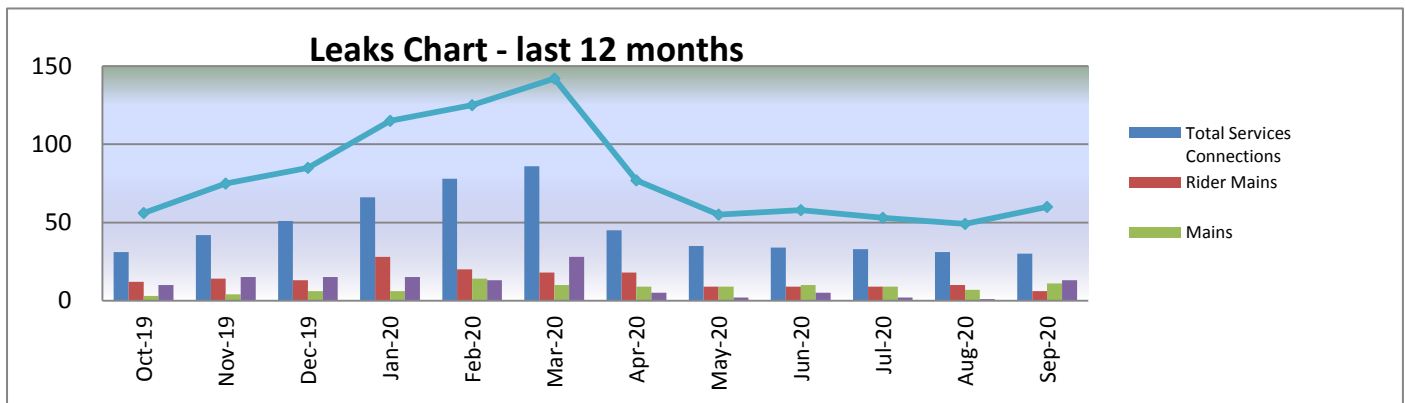
Distribution Report

Water Statistics

43	Connection leaks repaired
17	Rider/Main leaks repaired
27	New connections installed
45	Faulty meters replaced

A total of 43 service connection leaks were repaired together with 17 main and rider main leaks. The number of leaks rose slightly last month mainly due to the dry weather making it easier to spot leaks. It is anticipated the number of leaks will increase if the dry weather continues and the ground begins to dry out and move. A total of 27 new water connections were installed during the month and 45 meters were replaced after being reported faulty by the meter readers.

The following chart shows the number of leaks per category of pipe fixed under the maintenance contract during the last year.



Capital Works

Reticulation Programmed Works

The final section of the Hospital Road water main has been completed after some delays due to Covid-19 and is now operational. The Hatea raw water main is also nearly complete and should be available to be used by the end of October. This will allow us to double the amount of water taken from the Hatea river and is a key element in improving our drought resilience.

Poroti Upgrade

The work to install a pipeline between the Maungatapere Water Company's Wairua Pipeline and the Poroti Water Treatment Plant was completed in June. Work is now due to begin on the concept design for an upgraded water treatment plant using money from the Governments 3 water fund. This is an important project to improve the long-term resilience of the City's water supply.

3 Waters Funding Projects

Planning is well underway on projects to be funded through the Governments 3 waters programme. The Capital projects are, Whau Valley Water Treatment Plant stage 2, Poroti Water Treatment Plant Upgrade – Design, Whareora Road watermain replacement, Rewa Rewa Road water main replacement, Kamo Road water main replacement and the installation of filling points.

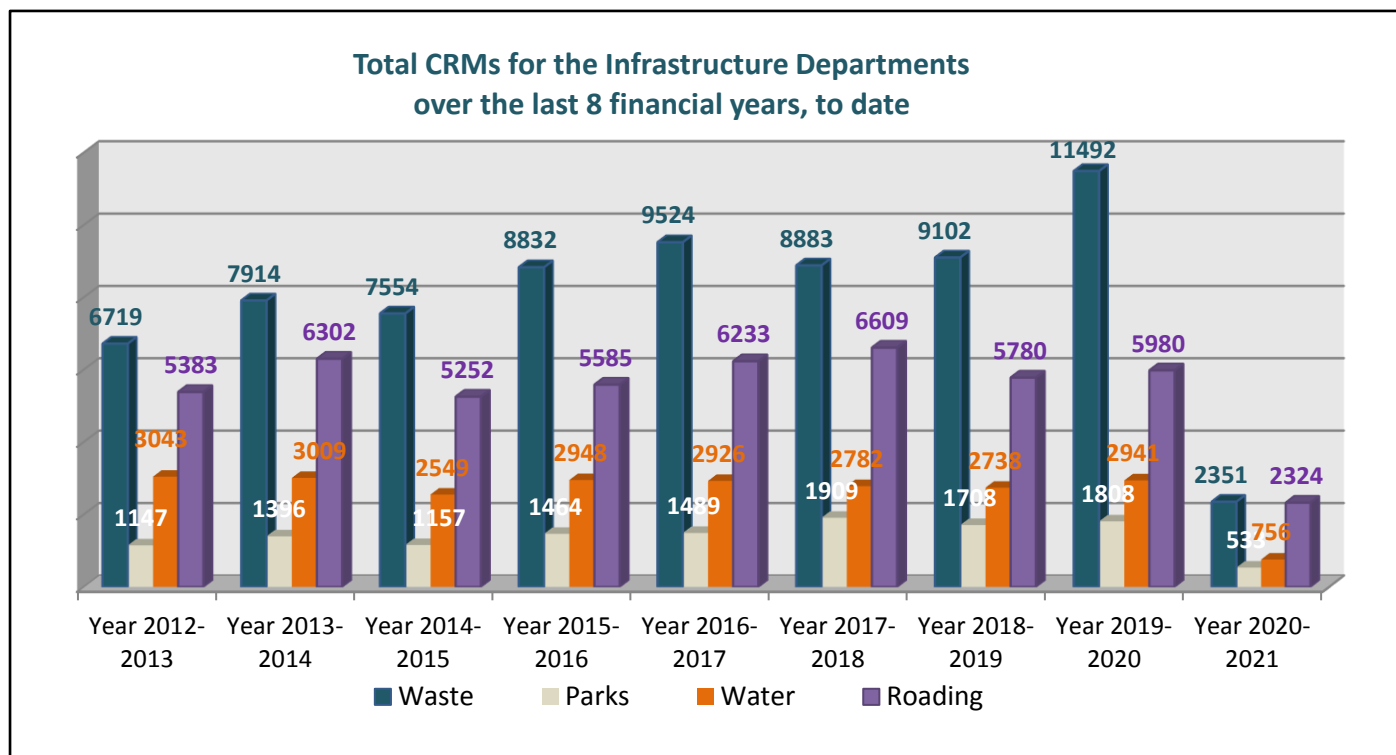
Consents and Compliance - Laboratory Water Quality Tests

Description	Number of Tests	Failures	Results	Goal	Retest
E. Coli leaving WTP	8	0	100%	100%	N/A
E. Coli within distribution	27	0	100%	100%	N/A
Free Available Chlorine within distribution (above 0.2mg/l)	48	0	100%	95%	N/A

Customer Request Management Services (CRMs)

The Infrastructure Departments received a total of 1548 CRMs in the month of September 2020. Total of 22,221 CRMs were received for the 2019-2020 financial year, with 5964 CRMs receive to date for 2020-2021.

Graph below shows the number of CRMs received for the Infrastructure Departments over the last 8 financial years.



RESOLUTION TO EXCLUDE THE PUBLIC

That the public be excluded from the following parts of proceedings of this meeting.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

1.	The making available of information would be likely to unreasonably prejudice the commercial position of persons who are the subject of the information. {Section 7(2)(c)}
2.	To enable the council (the committee) to carry on without prejudice or disadvantage commercial negotiations. {(Section 7(2)(i))}.
3.	To protect the privacy of natural persons. {Section 7(2)(a)}.
4.	Publicity prior to successful prosecution of the individuals named would be contrary to the laws of natural justice and may constitute contempt of court. {Section 48(1)(b)}.
5.	To protect information which is the subject to an obligation of confidence, the publication of such information would be likely to prejudice the supply of information from the same source and it is in the public interest that such information should continue to be supplied. {Section 7(2)(c)(i)}.
6.	In order to maintain legal professional privilege. {Section 2(g)}.
7.	To enable the council to carry on without prejudice or disadvantage, negotiations {Section 7(2)(i)}.

Resolution to allow members of the public to remain

If the council/committee wishes members of the public to remain during discussion of confidential items the following additional recommendation will need to be passed:

Move/Second

"That _____ be permitted to remain at this meeting, after the public has been excluded, because of his/her/their knowledge of Item _____.

This knowledge, which will be of assistance in relation to the matter to be discussed, is relevant to that matter because _____.

Note:

Every resolution to exclude the public shall be put at a time when the meeting is open to the public.