

Rodney Local Board workshop programme

Date: 22 November 2023
Time: 10.00am – 3.00pm
Venue: Rodney Local Board Office, 3 Elizabeth St, Warkworth
Apologies: No apologies received

Local Board Services / Members only administrative time 9.45 – 10.00am					
Item	Time	Workshop item	Presenter	Governance role	Proposed outcome(s)
1	10.00 – 12.00pm	Auckland Transport Forward Works Programme Supporting information <ul style="list-style-type: none"> Presentation 	Beth Houlbrooke (Elected Member Partner Relationship North) Sila Auva (Programme Manager) Andrew Allen (Executive GM Service Delivery) Amanda Miller (Prog Sec TTM Transformation) Jane Winterman (Project Lead Local Board Relationships) Arvind Sima (Programme Support Manager – Local	Local initiative and preparing for specific decisions	An opportunity to receive an update on the Auckland Transport Forward Works Programme

			Boards) Antony Hing (Principal Transportation Engineer) Veraina Tanielu (Principal Transportation Engineer) Andrew Garratt (Road Safety Engineering Team Leader) Peter Scott (Asset Manager – Roading Corridor)		
	12.00 – 12.45pm	Break			
2	12.45 – 1.15pm	Staff update on holiday parks Non-public			
3	1.15 – 2.15pm	Local Board Annual Planning – Input Long Term Plan regional topics / consultation content Non-public			
4	2.15 – 3.00pm	Eradication project Non-public			

Role of Workshop:

- (a) Workshops do not have decision-making authority.

- (b) Workshops are used to canvass issues, prepare local board members for upcoming decisions and to enable discussion between elected members and staff.
- (c) Members are respectfully reminded of their Code of Conduct obligations with respect to conflicts of interest and confidentiality.
- (d) Workshops for groups of local boards can be held giving local boards the chance to work together on common interests or topics.



Rodney Local Board

The Year ahead FY2024/25



22nd November 2023



Agenda

1. Welcome and introductions
2. Overview
3. Purpose of workshop
4. Focus area 1 – Local Board Transport Capital Programme
5. Focus area 2 – Community Initiated Engineering Programme
6. Focus area 3 – Road Safety
7. Focus area 4 – Road Corridor Renewals
8. General update/discussion
9. Next steps



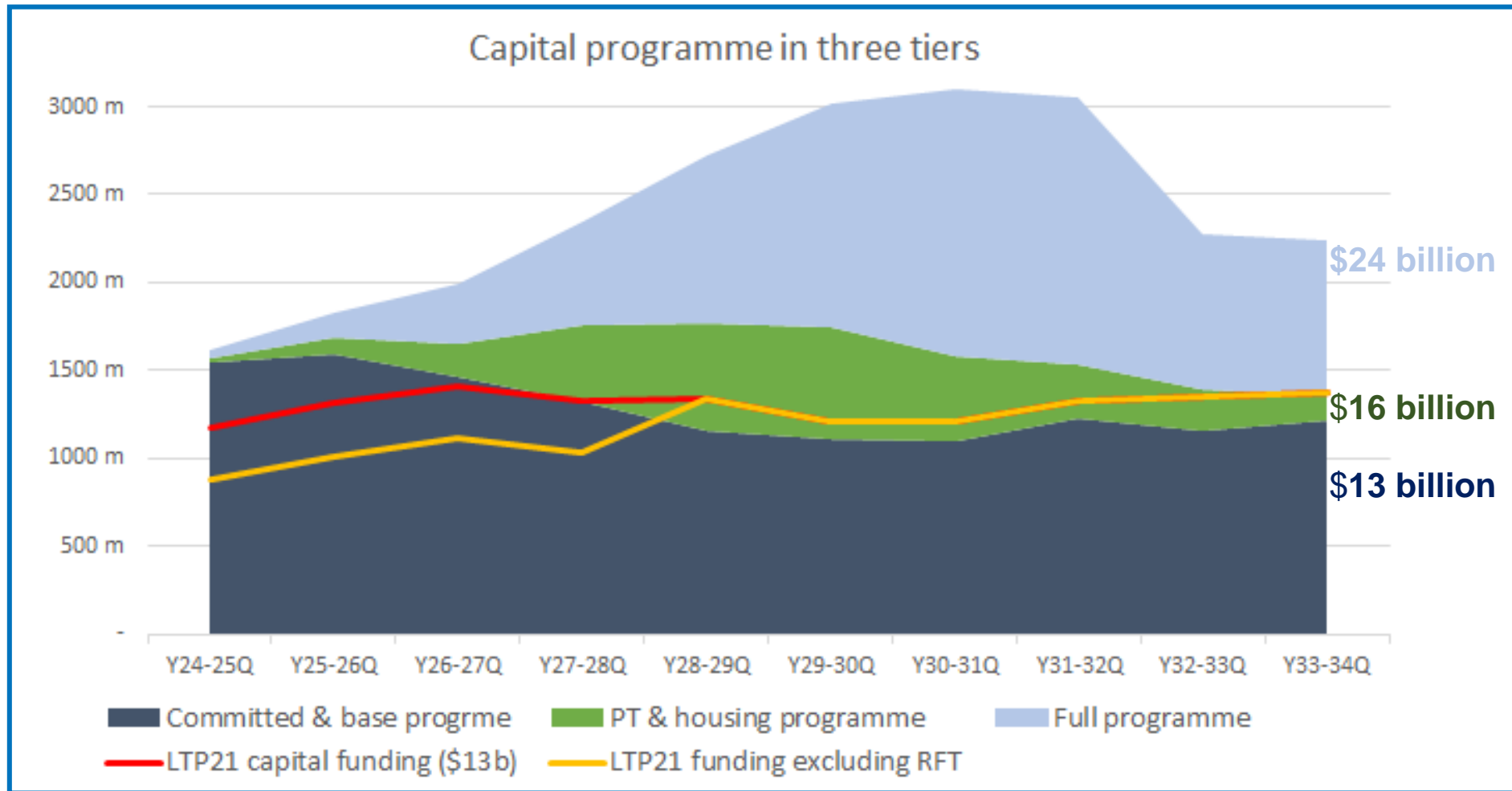
Overview



Proposed capital programme ranges from \$13 billion to \$24 billion

- We have developed an initial proposed 10-year capital programme in three tiers:
 - ‘Committed & Base’ programme – \$13 billion
 - ‘PT & Housing Enhancements’ programme – \$16 billion
 - ‘Full’ programme (all proposed projects) – around \$24 billion, which is clearly not affordable within existing funding mechanisms
- In real terms, the **\$13 billion ‘Committed & Base’ programme** is around \$1 billion less than the prior LTP due to the significant impact of inflation and flood/storm response costs
- **Under all scenarios** we are proposing investment is brought forward into the first two years from later years of the programme due to:
 - High committed activity levels associated with Eastern Busway and CRL
 - Renewals including flood and storm response activity
- This is **an initial programme**, developed for further engagement and prioritisation with AC during the LTP and RLTP processes

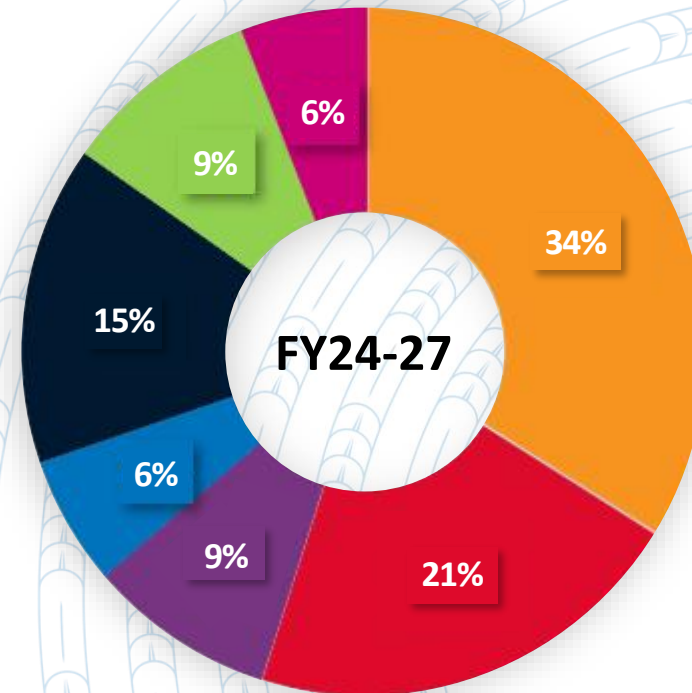
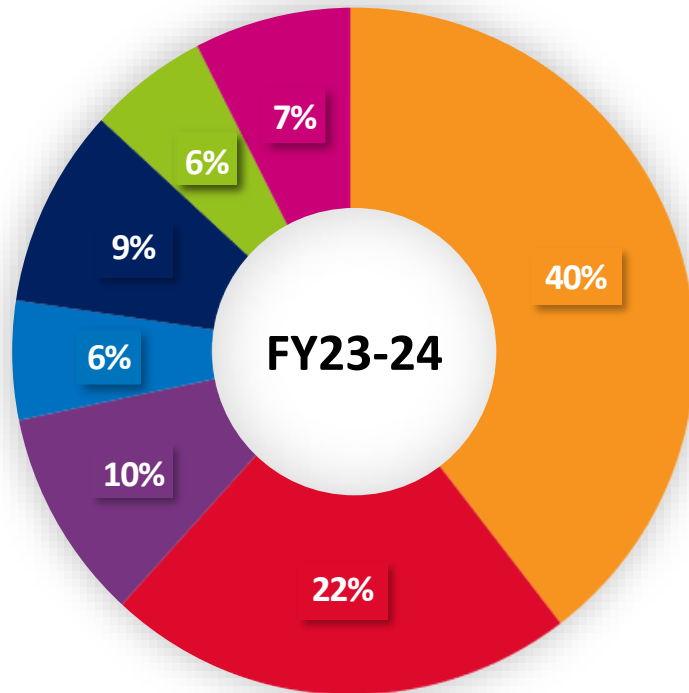
Programme Options compared to 2021 LTP Funding



- All scenarios require investment brought forward from later years into the first two years of the programme
- Continued Regional Fuel Tax funding is critical

AT Capital Programme Summary – next three years

- **Next three years are highly constrained under assumed funding levels** with large committed projects and emphasis on asset renewals and resilience investment to **make the most of what we have**.
- Provides for completion of the key stages of **existing committed projects** such as flood response, CRL, Eastern Busway, Northwest Bus, Electric Trains (EMU's), Ferries, Open Loop, SGA post lodgement.
- Remaining funding available will be prioritized towards investment in annual programmes of small-scale projects – including optimisation, dynamic bus lanes, intelligent transport systems and cycling – **rather than committing to new big projects**
- Includes selected high priority small and medium scale projects to **address immediate issues and support other investment**



■ Asset Management ■ Bus ■ Rail ■ Ferry ■ Road ■ Cycling and Active Modes ■ Other

AT 2023/24 Capital Programme:

Cycling and Active Modes \$60.3m

- Urban Cycleways - \$31.5m
- Māngere Cycleways (Airport Access) - \$10m
- On-going Cycling Programme - \$4m
- Tāmaki Drive Safety Improvements - \$6m
- New Footpaths Regional Programme - \$2m
- Climate Action Targeted Rate – cycling - \$3.6m
- Climate Action Targeted Rate – walking - \$3.2m

Road \$100.9 m

- Unsealed Road Improvements - \$6m
- Various Corridor Improvements - \$5.7m
- Regional Improvements - \$2.2m
- Road Safety Programme - \$35m
- School Speed Management Programme - \$5m
- Minor Improvements incl. Marae and Papakāinga (Turnouts) - \$7m
- Various supporting population growth - \$40m

Ferry \$60.2m

- Climate Action Targeted Rate - Ferry - \$24.2m
- Decarbonisation stage 1 - \$36m

Rail \$106.4m

- CRL Day one – Level Crossing Removal \$12m
- CRL – Road Side Projects \$7.6m
- EMU Rolling Stock and Stabling - \$85.8m
- Minor Improvements - \$1.0m

Other \$78.5m

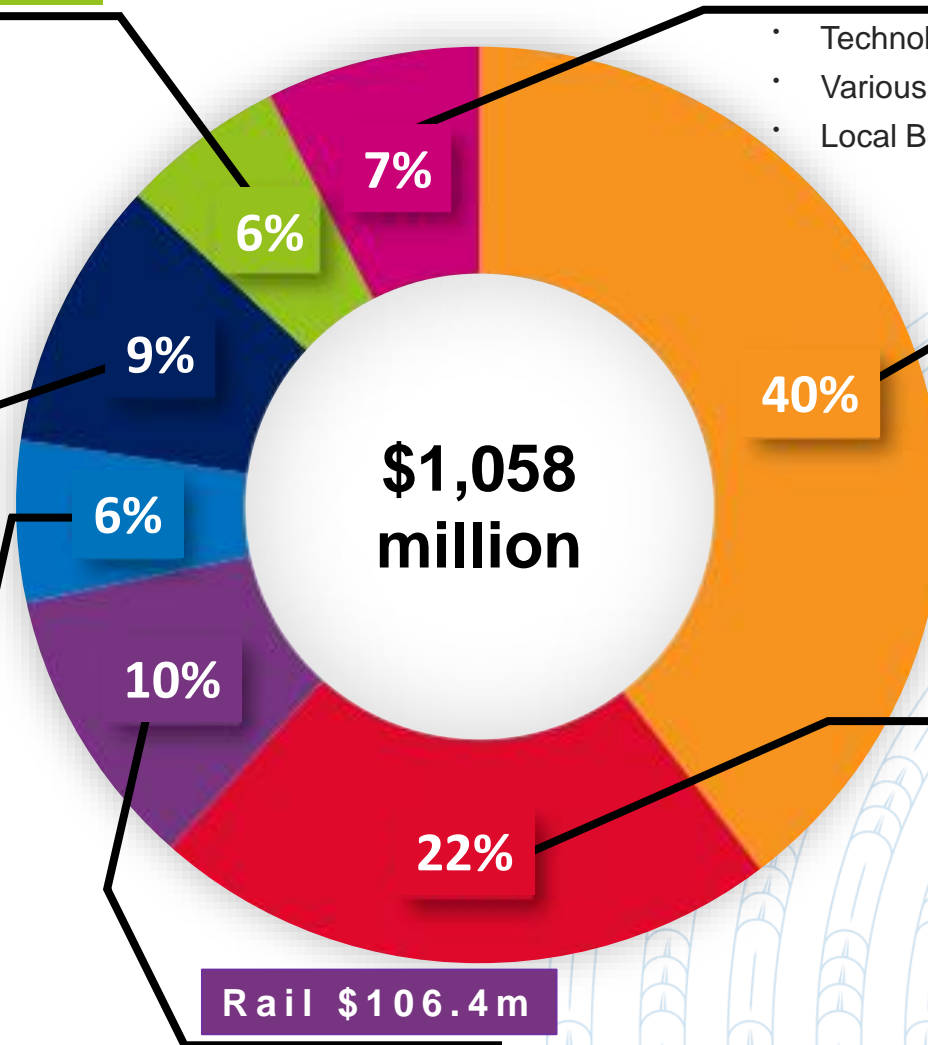
- Technology (network performance / intelligent transport) - \$22m
- Various Operational Programmes (incl. sustainability) - \$38.0m
- Local Board Priorities (incl. Rodney Targeted Rate) - \$18.5m

Asset Management \$418m

- Renewals Public Transport - \$33.5
- Renewals Transport Network - \$236.5
- Renewals Transport Structures - \$17.5m
- Seismic Strengthening - \$3m
- Street light improvements - \$2.5m
- Unplanned natural events - \$125m

Bus \$233.7m

- Eastern Busway 1 - \$10m
- Eastern Busway 2 to 4 - \$162m
- Northwest Bus - \$16.6m
- Rosedale and Constellation - \$8m
- Midtown Improvements - \$7.5m
- Minor Improvements - \$13.6m
- Carrington Rd - \$10.7m
- Airport to Botany route protection - \$5.3m



Purpose of Today's Workshop



Purpose of today's workshop

An ongoing conversation:

- 1 Review and discuss priority work programmes, including FY23/24 updates and review of proposed 2024/25 programme.
- 2 Review proposed programme for following two years.
- 3 Present significant programmes that might be of interest.

Next Steps

- Local boards to review presentation detail and provide feedback by March 2024
- AT to review feedback and make adjustments to work programmes where appropriate
- AT to present finalised 2024/25 programmes in May 2024
- Sign off by local board in June 2024.



Engagement

AT's work programmes will be developed with different engagement approaches under the IAP2 standard and based on the weightings of :

- Strategic alignment
- Data dependance
- Customer feedback

Engagement approach	Commitment
Inform	We will keep you informed.
Consult	We will keep you informed, listen to and acknowledge concerns and aspirations, and provide feedback on how your input influenced the decision. We will seek your feedback on drafts and proposals.
Collaborate	We will work together with you to formulate solutions and incorporate your advice and recommendations into the decisions to the maximum extent possible.
Advocate	Projects that are not currently in AT's work programme, but that the local board would like considered for inclusion in the future.
Do not support	Project in AT's work programme that the local board believes its community would not support.

Programmes of Work Engagement Process

Programme	Summary	Programme Engagement
Local Board Transport Capital Fund	Local Board identified projects.	Collaborate
Auckland Cycling Programme	Delivering cycle facilities to connect town centres, public transport schools and employment. Urban Cycleways involved development of 4 key cycle networks.	Consult
Public Transport Minor Projects (including Metro Operations and Infrastructure)	Improving bus related infrastructure and services	Consult
Parking	Addressing strategic and community-initiated parking management improvements	Consult
Community Partnerships Programmes	Road safety behavior change initiatives in communities and schools through partnership. Travel demand management in schools, early learning, educational facilities, kohanga reo, kura kaupapa and marae.	Consult
Sustainable Mobility	Promoting active modes, improving safety and encouraging mode shift targeted at schools and communities and workplaces.	Consult
Community Initiated Engineering Programme	Programme to respond to community concerns for functional improvements to the network. Delivers pedestrian, cycling protection and network roading improvements.	Consult/ Inform
Capital Projects	Major projects	Inform
Road Safety	Addressing high risk corridors and intersections, for our most vulnerable road users and setting safe and appropriate speeds across the network.	Inform
Network Optimisation	Making best use of the existing roading network by increasing the capacity for people and freight movement, considering all modes	Inform
Road Corridor Renewals	Maintenance of assets within the road corridor	Inform
People Powered Streets (Ngā Tiriti Ngāngahau – The Vibrant Streets, Streets for People 2.0)	Focused on reducing transport emissions through encouraging mode shift to active modes, using temporary/semi-permanent infrastructure and non infrastructure initiatives.	Inform

Focus areas



Local Board Transport Capital Programme



The 2024 - 2026 Programme

- The programme was initiated to ensure locally important transport projects are given appropriate priority, and to provide local boards with more direct ability to influence local transport projects.
- Due to budget reductions, the indicative budget was reduced from \$45m to \$29.5m over the 3-year term. This has been split between local boards as per previous year allocations.

The Process

At the beginning of the electoral term, the Elected Member Relationship Team works with Local Boards to identify a long list of potential projects to be funded over their political term (3 financial years).

These projects are then assessed by AT to confirm they meet the funding criteria and are feasible. A rough order of cost is also calculated.

The results are then conveyed to the Board who resolve whether to proceed with the project or not. A three year works programme is then developed and agreed with Local Boards. Changes to this programme may only occur by Local Board resolution.

Rodney: \$2.366m over 3yrs

Work is in progress to obtain Local Board decisions on project priorities for the full 3-year term.

3-Year Budget	Before	After
All local boards	\$45m	\$29.5m
Rodney	\$2.658m	\$2.366m



Project Title	Project Description	Status
Taupaki Road Pedestrian Xing outside Harry James Reserve	Taupaki Road Pedestrian Xing outside Harry James Reserve	Consultation
Coatesville Riverhead Highway Pedestrian	Coatesville Riverhead Highway Pedestrian	Detailed Design
Puhoi Village Red Carpet	Puhoi Village Red Carpet	Construction Ready
Matua Rd . Tapu Rd Intersection	Matua Rd . Tapu Rd Intersection	Construction Ready
Point Wells Village Traffic calming	Point Wells Village Traffic calming	Construction
Raised Zebra Rodney St by Library	Raised Zebra Rodney St by Library	Cancelled
Leigh School Kea Xing zone signage	Leigh School Kea Xing zone signage	RTR
Kaipara Coast Highway, School Pedn DNU	Kaipara Coast Highway, School Pedn DNU	RTR
Puhoi Village Electronic Speed Monitor	Puhoi Village Electronic Speed Monitor	Completed
Mansel Drive Raised pedestrian Xing	Mansel Drive Raised pedestrian Xing	Completed
Warkworth Primary School Raised Xing	Warkworth Primary School Raised Xing	Completed
Coast Road Safety Improvements Investigation	Coast Road Safety Improvements Investigation	Completed
Motutara Rd Driver feedback signs	Motutara Rd Driver feedback signs	Completed



Legend

1	Taupaki Road Pedestrian Xing outside Harry James Reserve
2	Coatesville Riverhead Highway Pedestrian
3	Puhoi Village Red Carpet
4	Matua Rd . Tapu Rd Intersection
5	Point Wells Village Traffic calming
6	Leigh School Kea Xing zone signage
7	Kaipara Coast Highway, School Ped DNU
8	Puhoi Village Electronic Speed Monitor
9	Mansel Drive Raised pedestrian Xing
10	Warkworth Primary School Raised Xing
11	Coast Road Safety Improvements Investigation
12	Motutara Rd Driver feedback signs



Community Initiated Engineering Programme



Community Initiated Engineering Programme (Including the Walking Programme)

Consult/Inform

Introduction

The Community Initiated Engineering Programme delivers multi-modal transport improvement projects on the road network that respond to operational and safety concerns raised by our stakeholders and customers.

It will act as a combination of what were formerly four distinct programmes to better focus on the needs and requests of our community. The former programmes were: Minor Improvements, Regional Improvements, Minor Cycling and Micromobility and New Footpaths.

In a similar vein, the new Walking Programme will deliver pedestrian improvements across the region. The programme will deliver on selected priority areas as well as targeted connectivity improvements for the Climate Action Transport Targeted Rate (CATTR).



Outcomes

- Delivers outcomes to respond to customer and stakeholder queries
- Improves the operation and safety of the network
- Responds to emerging issues in development areas
- Offer better access to active modes for all members of the community.

Planning Process

Projects are identified while investigating safety or operational concerns raised by the community. The projects are then prioritised annually with the highest priority progressing to design and then delivery. The prioritisation criteria includes: Safety, mode choice, efficiency, community and cost.

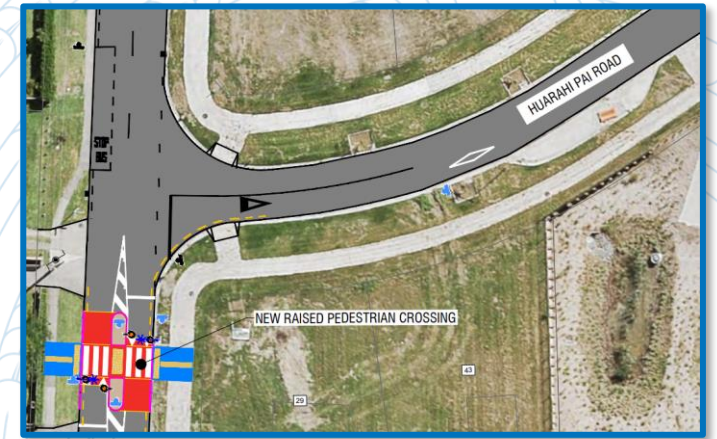
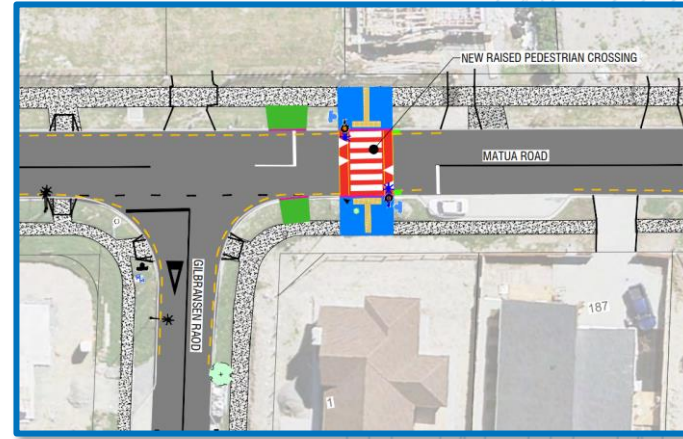
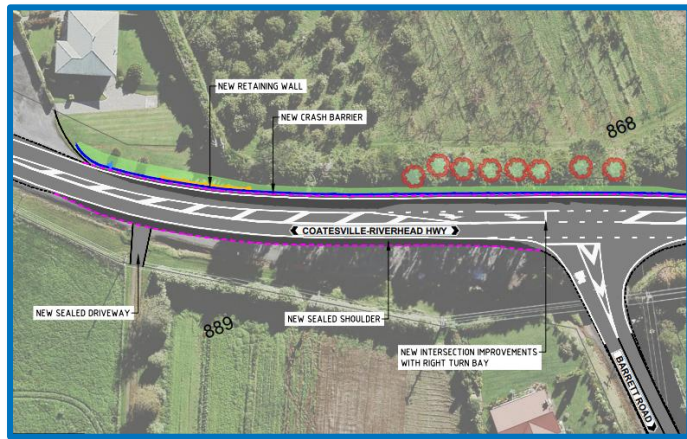
Potential Challenges

- A long list of candidate projects and insufficient funding to progress infrastructure interventions that are important to the local community
- Community expectation for rapid safety interventions

Community Initiated Engineering Programme

Update FY2023/2024

Project Title	Location	Project Description	Status
Falls Road, Warkworth	Hudson Road - Albert Road	New footpath	Design
Parkhurst Road	#199-241 Parkhurst Road, Parakai	New footpath	Investigation
Matua Rd Raised Zebra Crossing	189 Matua Rd	Raised Zebra Crossing	Construction
Tapu Rd Raised Zebra Crossing	44 Tapu Rd	Zebra Crossing	Construction
Barrett Rd Intersection Improvements	Barrett Road	Intersection Improvements	Design

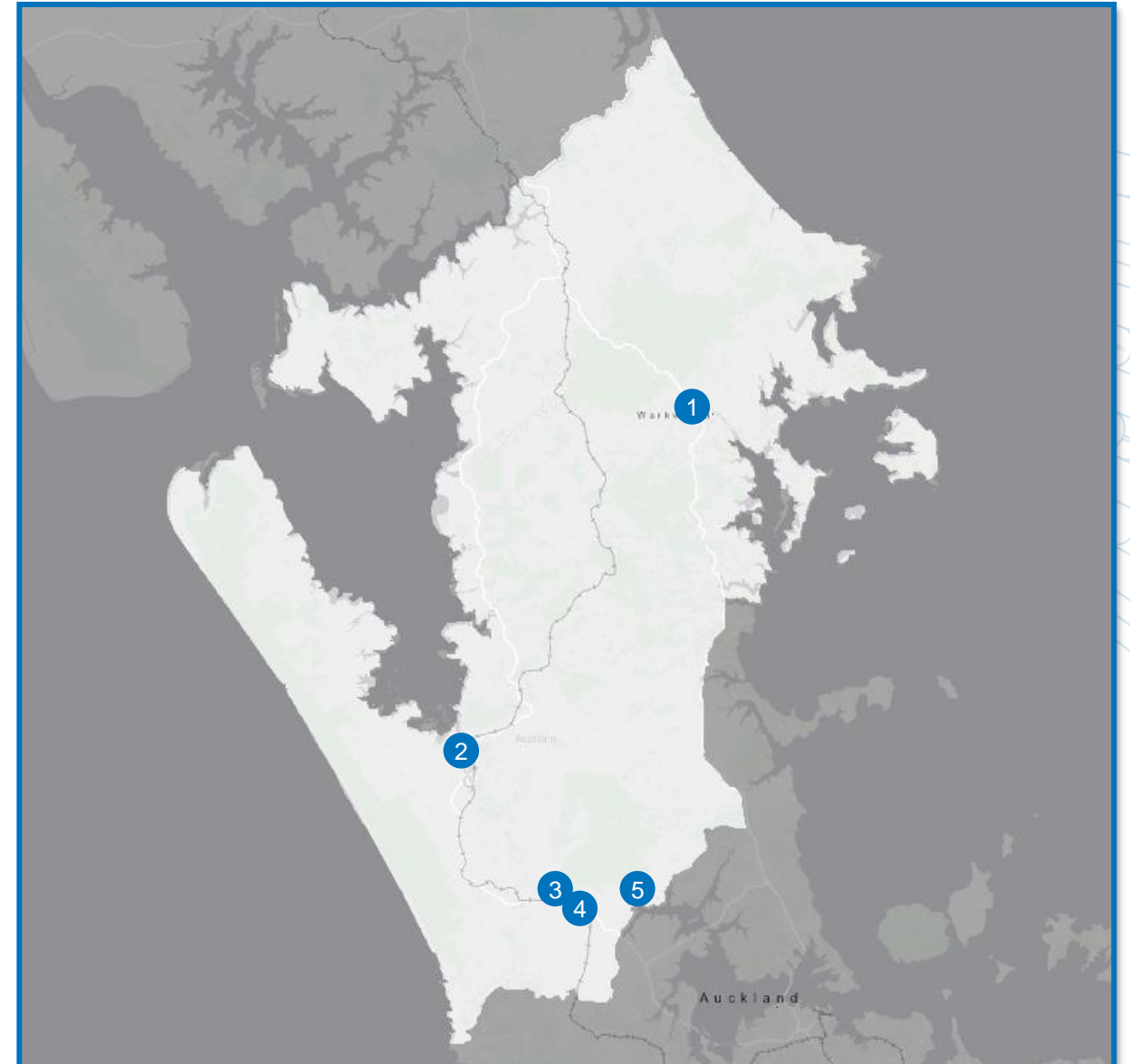


Community Initiated Engineering Programme

Update FY2023/2024

Legend

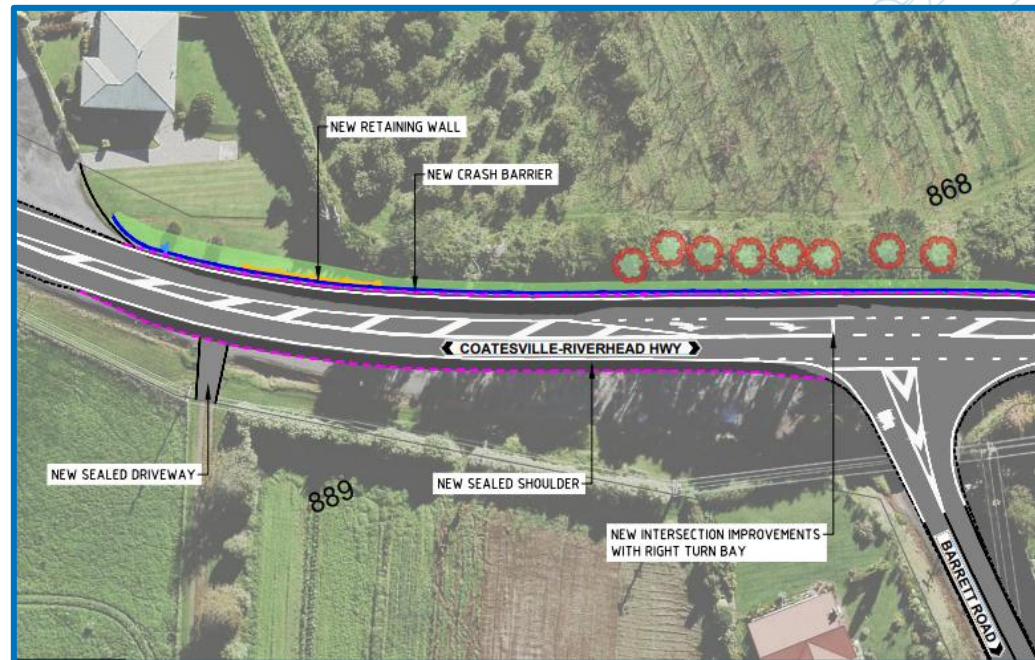
1	Falls Road, Warkworth
2	Parkhurst Road
3	Matua Rd Raised Zebra Crossing
4	Tapu Rd Raised Zebra Crossing
5	Barrett Rd Intersection Improvements



Proposed Community Initiated Engineering Programme

Draft FY2024 – FY2025

Project Title	Location	Project Description	Status
Parkhurst Road	#199-241 Parkhurst Road, Parakai	New footpath	Investigation
Falls Road, Warkworth	Hudson Road - Albert Road	New footpath	Design
Barrett Rd intersection Improvements	Barrett Road	Intersection Improvements	Design

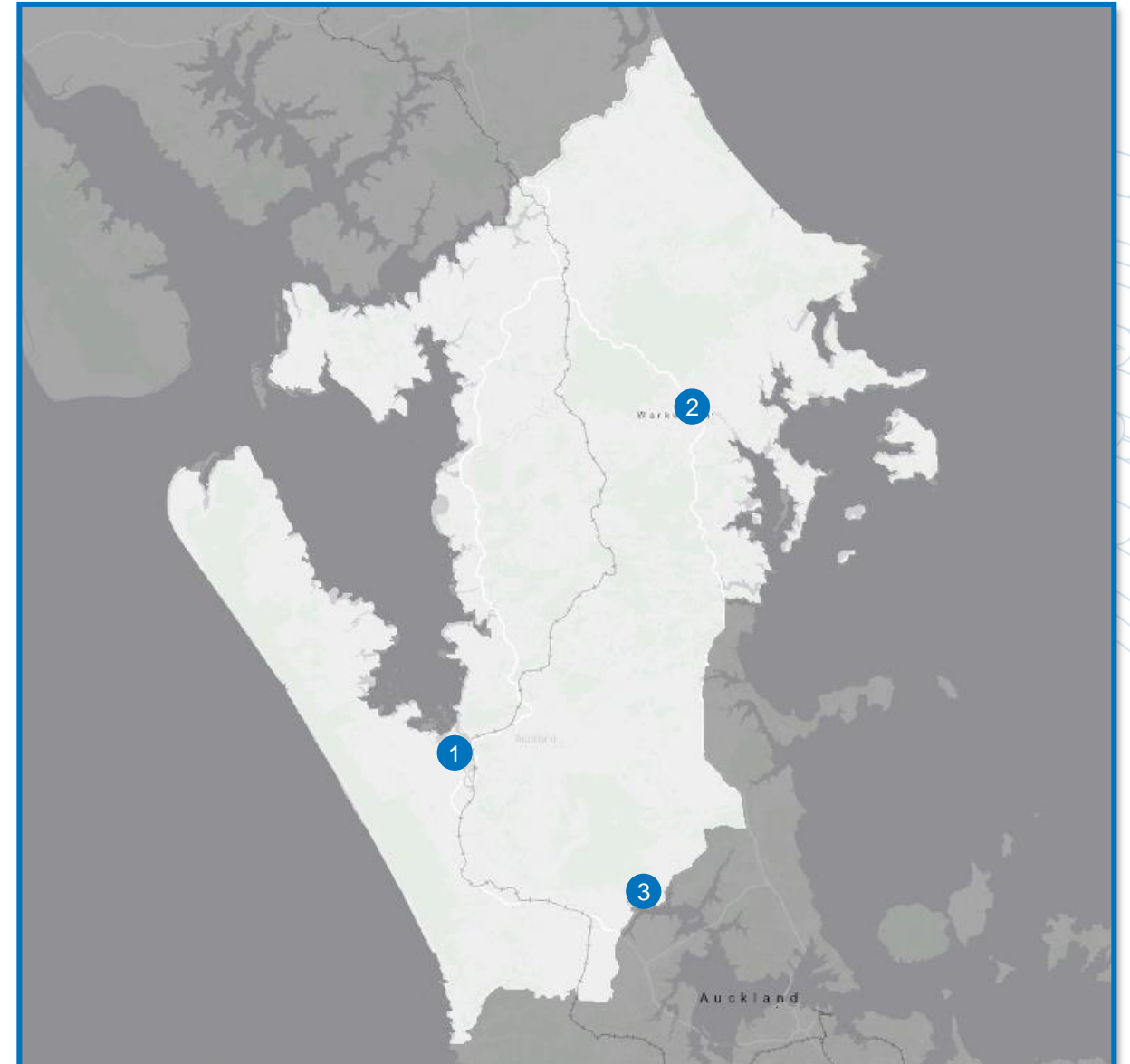


Proposed Community Initiated Engineering Programme

Draft FY2024 – FY2025

Legend

- | | |
|---|--------------------------------------|
| 1 | Parkhurst Road |
| 2 | Falls Road, Warkworth |
| 3 | Barrett Rd Intersection Improvements |



Road Safety



Introduction

The Road Safety Programme is developed in partnership with Waka Kotahi and is aligned to the national Road to Zero Programme. The programme is focused on addressing high risk corridors and intersections, areas with the highest risk for our most vulnerable road users and making sure that we are setting a safe and appropriate speed across the network.



Outcomes

- Reducing Death and Serious Injuries (DSI) on our roads across the region.
- Having a network that is safer for all road users and creates a safe and appropriate speed environment at our areas of greatest risk.

Planning Process

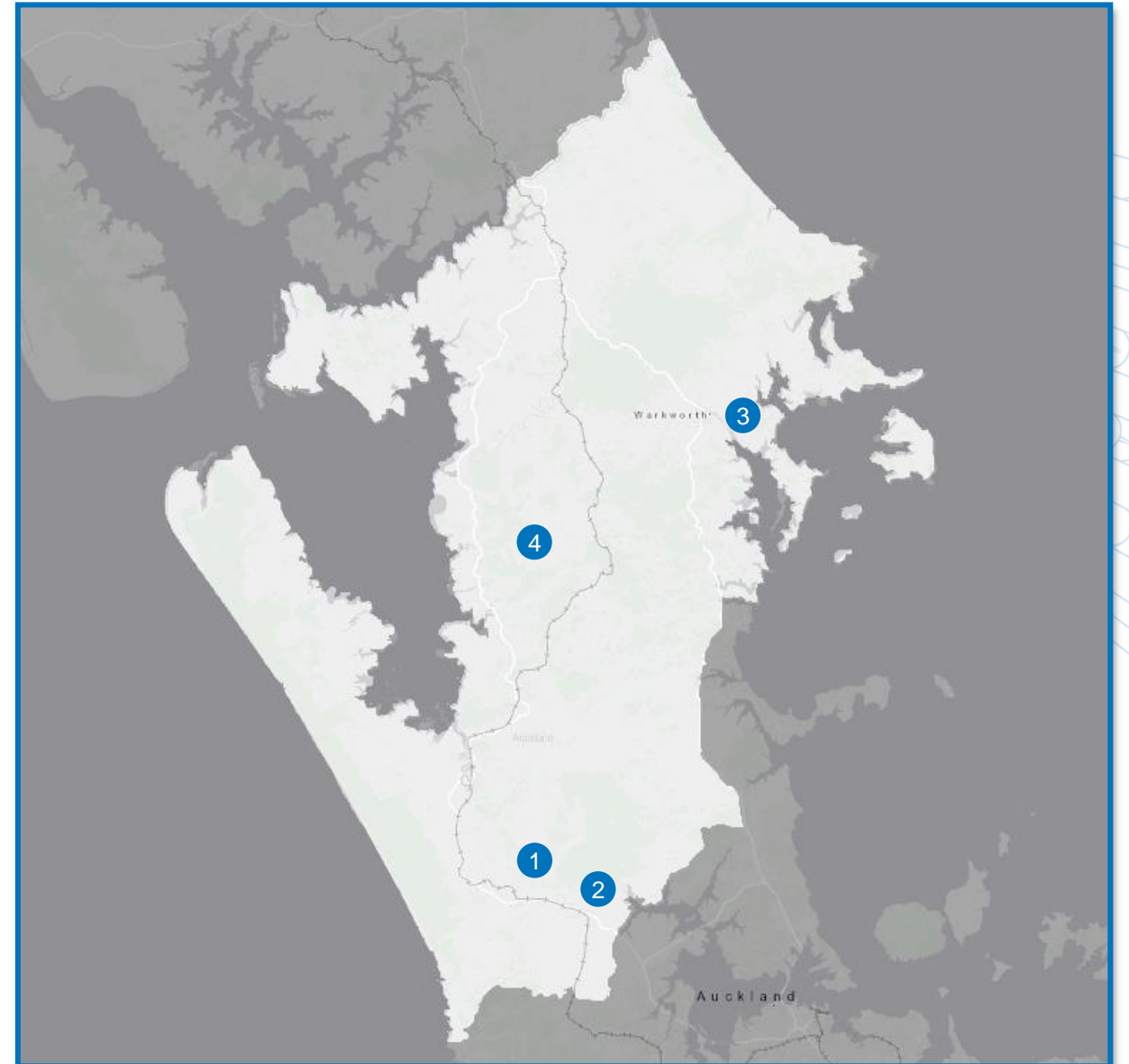
Road Safety projects have been identified through numerous tools that assess the network for risk. The primary source of information has been developed by Waka Kotahi at a national level. The Road Safety programme need to be aligned with the national Road to Zero programme. A list of projects in each Local Board has been developed for prioritization. A key difference moving into the next NLTP period is to work closer with Local Boards to help prioritize the long list of projects and to hear where the Local Boards want us to focus. The projects still need to be aligned with the Road to Zero programme to ensure funding, but we want to hear your views.

Project Title	Location	Project Description	Status
Katoa Ka Ora - Implementation	Various	Implementation of Speed limit changes	Investigation
Old North Road	Deacon Road	AT Intersection Project - RIWAS	Investigation
Sandspit Road	Mahurangi E Road	AT Intersection Project - RIWAS	Investigation
West Coast Road	Kaipara Coast Highway (SH16) to Woodcocks Road	Roadside barrier	Investigation



Legend

1	Katoa Ka Ora - Implementation
2	Old North Road
3	Sandspit Road
4	West Coast Road



Project Title	Location	Project Description	Status
Matakana Road	between #938 and Riverglade Drive	Pedestrian Improvements	To be prioritised and investigated
Rautawhiri Road	Near Rautu Way and #67 Rautawhiri Road	Pedestrian improvements	To be prioritised and investigated
Warkworth	Warkworth Town Centre	Safety improvements	Under investigation and to be prioritised



Legend

- | | |
|---|-----------------|
| 1 | Matakana Road |
| 2 | Rautawhiri Road |
| 3 | Warkworth |



Road Corridor Renewals



Introduction

Road renewals are undertaken when assets reach the end of their service life. This means that overall, the assets are in a range of condition from excellent (new) through to poor (old).



Outcomes

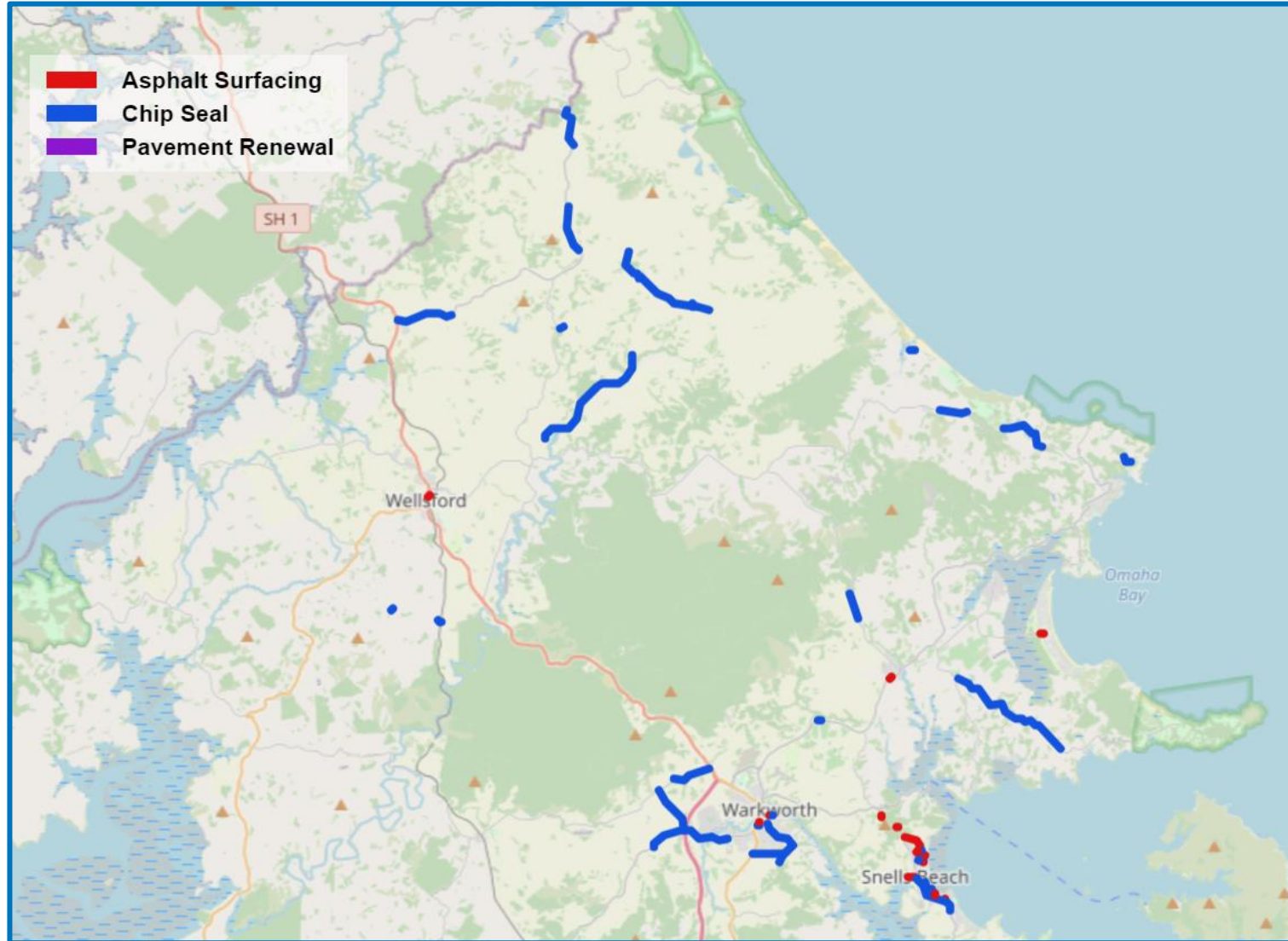
Road assets comprising road carriageway, footpaths, drainage, streetlights, traffic signals, bridges etc meet desired levels of service and are renewed in a timely, efficient and sustainable manner.

Potential Challenges

The existing renewal budgets are very constrained, but the renewal spend is forecast to increase significantly over the next 10 years to meet the needs of the network.

Roads Renewal			
ANNANDALE RD	HEPBURN CREEK RD	MILL FLAT RD	STATION RD (WELLSFORD)
ARABELLA LANE	HIBISCUS AVE	MONOWAI RD	TAHEKEROA RD
ARARIMU VALLEY RD	HIBISCUS COAST HIGHWAY	MORPETH ST (WARKWORTH) WEST	TAKATU RD
AROHIA PL	HORSESHOE BUSH RD	NGAREWA DR	TE PUA SCHOOL RD
AURORA AVE (SNELLS BEACH)	INCA PL (SNELLS BEACH)	OLD NORTH RD (KUMEU)	THOMPSON RD (NORTH)
AWATERE PL	INLAND RD	OMAHA DR	TOMARATA VALLEY RD
BROADLANDS DR	KAHIKATEA FLAT RD	ORAHA RD	TUNNEL RD
CANE RD	KAHURANGI PL (SNELLS BEACH)	PAKIRI BLOCK RD	VERNON SHAW PL
CAPE RODNEY RD	KAIPARA FLATS RD	PAKIRI RD	VIRGINIA CIRCUS
CARRAN RD	KANOHI RD	PAKIRI RIVER RD	WAIMAUKU STATION RD
CEMETERY RD (WAINUI)	KRIPPNER RD	PERCY ST (WARKWORTH) NORTH	WAINUI RD (RURAL)
COATESVILLE RIVERHEAD HIGHWAY	M GREENWOOD RD	POOL RD	WALTON AVE
CONSTABLE RD (MURIWAI)	MAHOENUI VALLEY RD	PULHAM RD	WASHINGTON AVE (SNELLS BEACH)
DAIRY FLAT HIGHWAY	MAHURANGI EAST RD	RAUNER RD	WAYBY STATION RD
DEACON RD	MAKARAU RD	RED HILLS RD 2 (TAUPAKI)	WERANUI RD (RURAL)
FIDELIS AVE	MANGAWHAI RD	REMIGER RD	WILKS RD (RURAL)
FLETCHER RD	MATAKANA RD	RIVERHEAD RD	WILSON RD (WARKWORTH)
GARFIELD RD (HELENSVILLE)	MATAKANA VALLEY RD	SCHOOL RD (TOMARATA)	WINDMILL DR
GOATLEY RD	MCKINNEY RD (WARKWORTH)	SLATER RD	WOODCOCKS RD
HAMATANA RD	MCLACHLAN RD	SOLAN DR	WOODLANDS AVE
HARURU RD	MEREHAI PL	SOUTH HEAD RD	WOODLANDS PL
HASZARD RD	MICK DILLON RD	SPENCER RD (PAKIRI)	

Footpaths Renewal
GARFIELD RD (HELENSVILLE)
RIVERHEAD RD
WAIMAUKU STATION RD



2021/22, 2022/23 and 2023/24 Programme					
Road		Start	End	Treatment Description	Local Board
MCLACHLAN RD	Completed	548	4425	Widening/Drainage/Strengthening	RODNEY - KUMEU
AHUROA RD	Completed	4935	5393 6555	Seal Extension	RODNEY - WARKWORTH
AHUROA RD	?	5393 6555	7837	Seal Extension	RODNEY - WARKWORTH
AWAAWAROA RD	Completed	954	1370	Maintenance Seal	WAIHEKE - WAIHEKE
BROOK RD	Completed	2174	2414	Maintenance Seal	FRANKLIN - WAIUKU
PURIRI BAY RD	Completed	529	1187	Maintenance Seal	GREAT BARRIER - GREAT BARRIER
PURIRI BAY RD	Completed	1187	1983	Maintenance Seal	GREAT BARRIER - GREAT BARRIER
PURIRI BAY RD	Completed	1983	2291	Maintenance Seal	GREAT BARRIER - GREAT BARRIER
MAN O WAR BAY RD (NORTH)	Completed	204	4335	Localised Improvement Works	WAIHEKE - WAIHEKE
OLD KAIPARA RD	Completed	0	5630	Localised Improvement Works	RODNEY - WARKWORTH
WILSON RD (WARKWORTH)	Completed	490	1350	Localised Improvement Works	RODNEY - WARKWORTH
INLAND RD	Programme 23-24	1146	5851	Widening/Drainage/Strengthening	RODNEY - KUMEU
GOVAN WILSON RD	?	49	3638	Seal Extension	RODNEY - WELLSFORD
HAMILTON RD (WARKWORTH)	Programme 23-24	2900	3750	Maintenance Seal	RODNEY - WARKWORTH
TOTARA RD (WAIHEKE)	Programme 23-24	105	167	Maintenance Seal	WAIHEKE - WAIHEKE
ANAWHATA RD	20% in 22-23 / Rest in 23-24	65	5227	Localised Improvement Works	WAITAKERE RANGES - WAITAKERE RANGES
WRIGHT RD (MATAKANA)	Completed	0	3223	Localised Improvement Works	RODNEY - WARKWORTH
HORSESHOE BUSH RD	Completed	5760	9080	Widening/Drainage/Strengthening	RODNEY - KUMEU
AHUROA RD	24-27 URIP	9152	12486	Seal Extension	RODNEY - WARKWORTH
AHUROA RD	24-27 URIP	12589	12920	Seal Extension	RODNEY - WARKWORTH
AHUROA RD	24-27 URIP	13020	13425	Seal Extension	RODNEY - WARKWORTH
AHUROA RD	24-27 URIP	13703	14156	Seal Extension	RODNEY - WARKWORTH
CONSTABLE RD (MURIWAI)	Programme 23-24	20	2230	Localised Improvement Works	RODNEY - KUMEU
GOATLEY RD	Programme 23-24	0	2230	Localised Improvement Works	RODNEY - WARKWORTH
HEPBURN CREEK RD	Programme 23-24	1424	3670	Localised Improvement Works	RODNEY - WARKWORTH



Location description	RP Start	RP End	Length	Width	Traffic Volume	Unsealed Road Improvement Activity Name	New Revised URIP Estimate 23/24
URIP - Anawhata Road (RP65-5227) (CARRYOVER FROM 22/23)	65	5227	5162	4.6	78	Localised Improvement Works	956,661
URIP - Ahuroa Road (RP6555 - 7196)	6555	7196	641	6.6	330	Seal Extension	2,250,000
URIP - Inland Road, Rodney (RP1146-5851) (KUMEU)	1146	5851	4705	4	164	Widening/Drainage/Strengthening	577,194
URIP - Totara Road (Waiheke) (RP105-167)	105	167	62	4.5	129 (139 est)	Maintenance Seal	50,000
URIP - Constable Road (Muriwai) (RP20-2230) (KUMEU)	20	2230	2210	4	389 (299 est)	Localised Improvement Works	565,633
URIP - Hepburn Creek Road, Rodney (RP1424-3670)	1424	3670	2246	4.8	121	Widening/Drainage/Strengthening	292,110
URIP - Govan Wilson Road (RP49-1245) (WELLSFORD)	49	1245	1196	3.5	277	Seal Extension	2,200,000
						Total	5,934,936
						Budget	6,000,000
						Carry over from 22/23	956,661



Road Corridor Renewals

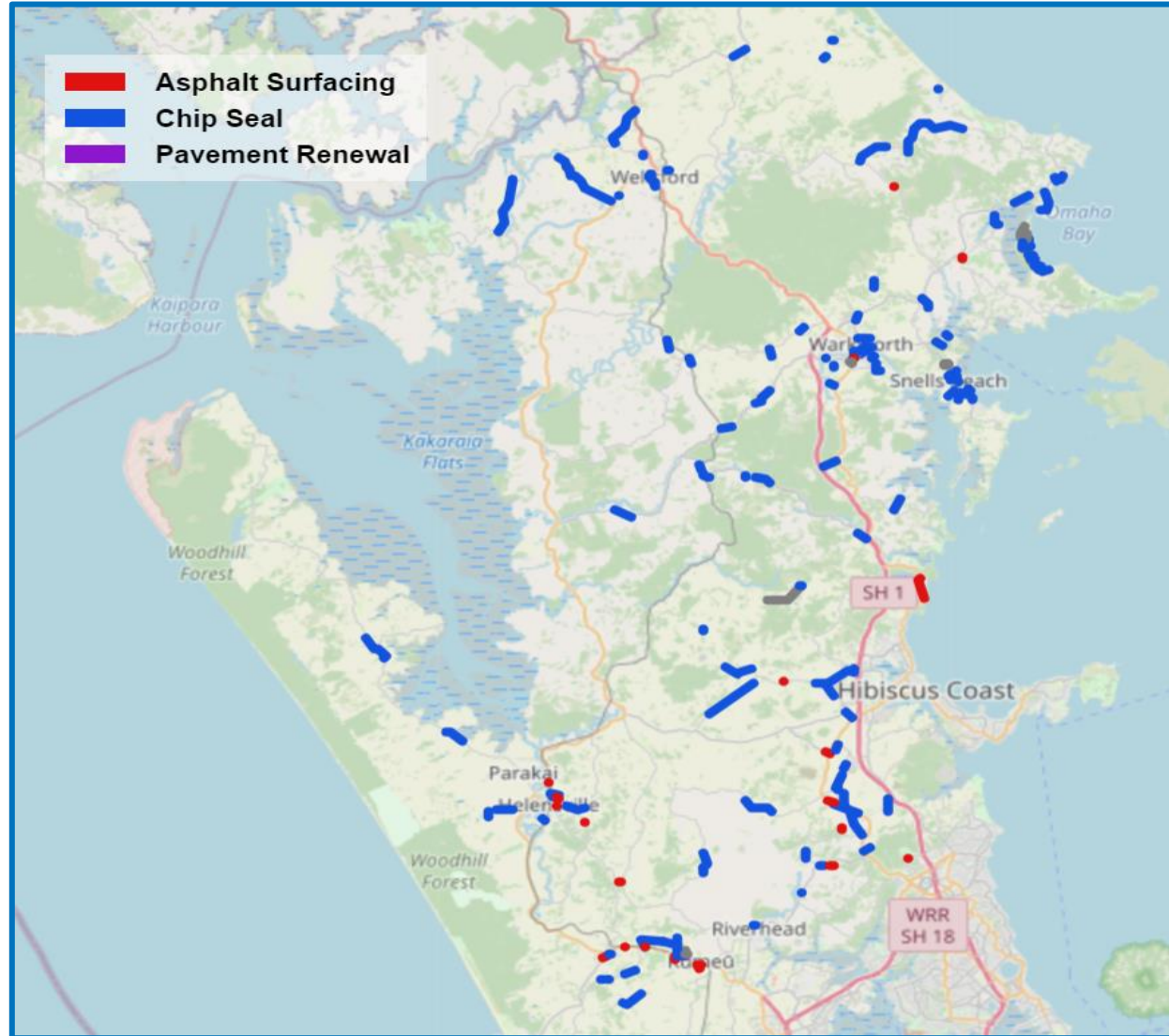
Draft FY2024 - FY2025

Roads Renewal

ADAMS RD (WAINUI)	DAIRY STREAM RD	KEWAI ST	PAKIRI RD	TAKATU RD
AHUROA RD	DARROCH SLOPE	KITTY FRAZER LANE	PANUI TCE	TAPU RD
ALNWICK ST (NEVILLE ST ENT)	DAVID WILLIAM PL	KOKOPU ST	PARAOA CRES	TARA PL
AMBER PL	DAWSON RD (SNELLS BEACH)	KORAHA RD	PATIKI PL	TAUHOA RD
AMBERLY RISE	DAY DAWN CRES	KOTUKU PL	PEAK RD	TAUMATA RD (OMAHA)
ANNETT RD	DORNIE PL	KOWHAI RD (WAINUI)	PERCY ST (WARKWORTH) SOUTH	THE BULLOCK TRACK
APPLEMOORS WAY	DUNGARVON PL (OMAHA BEACH)	KOWHAI VIEW	PINE VALLEY RD	THE NOOK
ARARIMU VALLEY RD	EDITH PL	LAIKA AVE	PIONEER CRES	THE SOUTHERN ISLE
ARGENT LANE	EMPRESSA HTS	LASCELLES DR	PORT ALBERT RD	THISTLE TCE
ARGO RISE	ESME GR	LAX CRES	POSTMAN RD	TI POINT RD
ARIKI DR	FALLS RD (WARKWORTH)	LEIGH RD (LEIGH)	PUHOI RD	TOHORA CRES
ASHWOOD AVE	FIDELIS AVE	LEWIS LANE	RAHUIKIRI RD	TOKAY PL
ASTRID LANE	FOLEY QUARRY RD	LOFT PL	RAUTAWHIRI RD	TOTARA VIEW
AWAROA RD (HELENSVILLE)	FOSTER RD	LONELY TRACK RD (GLENVAR)	RAWHITI PL	TUNA PL (OMAHA)
BAWDEN RD (RURAL)	GOODALL RD	MAHOENUI VALLEY RD	RIMMER RD	TWILIGHT BAY
BELLEVUE AVE	GOVERNOR GREY RD	MAIN RD ACCESS RD (KUMEU)	RIVENDELL PL	UPPER WAIWERA RD
BENNETT ST (WARKWORTH)	GOW ST	MANGATAWHIRI RD	RIVERSIDE DR (POINT WELLS)	VALERIE CL
BERTRAM ST	GRAND VIEW RD (MATHESON BAY)	MANGAWHAI RD	ROBINIA PL	WAIMANU PL
BLACKBRIDGE RD (DAIRY FLAT)	GREEN RD (DAIRY FLAT)	MARINERS GRV	ROGAN AVE	WAINUI RD (RURAL)
BLUE BELL PDE	HARURU RD	MASON HTS	ROSELLA GRV	WAITAKERE RD (TAUPAKI)
BRAMPTON RD	HAUITI DR	MATAKANA VALLEY RD	RUBY CV	WAITOKI RD
BRIGITTE VIEW	HAZELMERE ST	MATUA RD	SALEYARD ST	WARKWORTH ST (EAST)
BROADLANDS DR	HEPBURN CREEK RD	MCCALLUM DR	SANDSPIT RD (SANDSPIT)	WEST COAST RD (WOODCOCKS)
CAMPBELL DR	HIBISCUS COAST HIGHWAY	MEIKLEJOHN WAY	SHAMROCK CREST	WESTMINSTER GLEN
CARMEN TCE	INANGA LANE	MERLOT HTS	SNELLS BEACH RD	WEZA LANE (NORTH)
CAROLINE HTS	INLAND RD	MOANA TCE (SNELLS BEACH)	SOUTH HEAD RD	WHAKAPIRAU RD
CAROLINE HTS HAMMERHEAD	JANE GIFFORD PL (OMAHA BEACH)	MOIR HILL RD	ST ANNE PL	WHAREHINE RD
CHERRY BLOSSOM LANE	JOYCE ADAMS PL	NGATIRA PL (SNELLS BEACH)	STATION RD (HUAPAI)	WICKENS PL
CLAGUE RD	KAHIKATEA FLAT RD	NORTH-WEST ANOG	STREAMLANDS SWAMP RD	WILSON RD (REDDALE)
CLAYDEN RD	KAIPARA FLATS RD	OAK RIVER DR	SUCCESS CRT	WINDWARD TCE
COATESVILLE RIVERHEAD HIGHWAY	KANUKA RD (SANDSPIT)	OLD WOODCOCKS RD	SUNBURST AVE	WOODCOCKS RD
COQUETTE ST	KASSA RISE	OMAHA DR	SUNNYSIDE RD (COATESVILLE)	WOOKEY LANE
DAIRY FLAT HIGHWAY	KENNEDY RD (DAIRY FLAT)	PAKIRI BLOCK RD	SUNRISE BLVD	WORKER RD
				WORTHINGTON RD

Footpaths Renewal

AMBER PL
AMBERLY RISE
ASTRID LANE
AWAROA RD (HELENSVILLE)
KANUKA RD (SANDSPIT)
PAKIRI RD
PERCY ST (WARKWORTH) SOUTH
ROSELLA GRV
TOTARA VIEW
WORKER RD



General discussion





Next steps and Thank you





Supplementary information



Auckland Cycling Programme



Auckland Cycling Programme

The Cycling & Micromobility Programme Business Case (PBC) sets out the strategic investment programme for cycling in Auckland and developed a programme for the allocated RLTP \$306M funding.

Outcomes

The PBC focuses on increasing cycling movements and access to opportunities, reducing deaths and serious injuries, and increasing the rate of delivery.

Planning Process

Prioritisation of preferred option focuses on:

- Access to schools, RTN stations, Metropolitan Centres
- Connections to the regional cycle network (Future Connect)
- Connections to the existing/committed cycle networks
- Routes that require no/little kerb movement in order to deliver more and faster

Urban Cycleways Programme

The Urban Cycle Programme (UCP), initiated in July 2015, forms a part of the AT cycling programme and commits the organisation to the completion of four new cycle networks. These networks / packages are:

- Western Connections
- City Centre Connections
- PT Links Connection
- Eastern Connections

Delivery of UCP

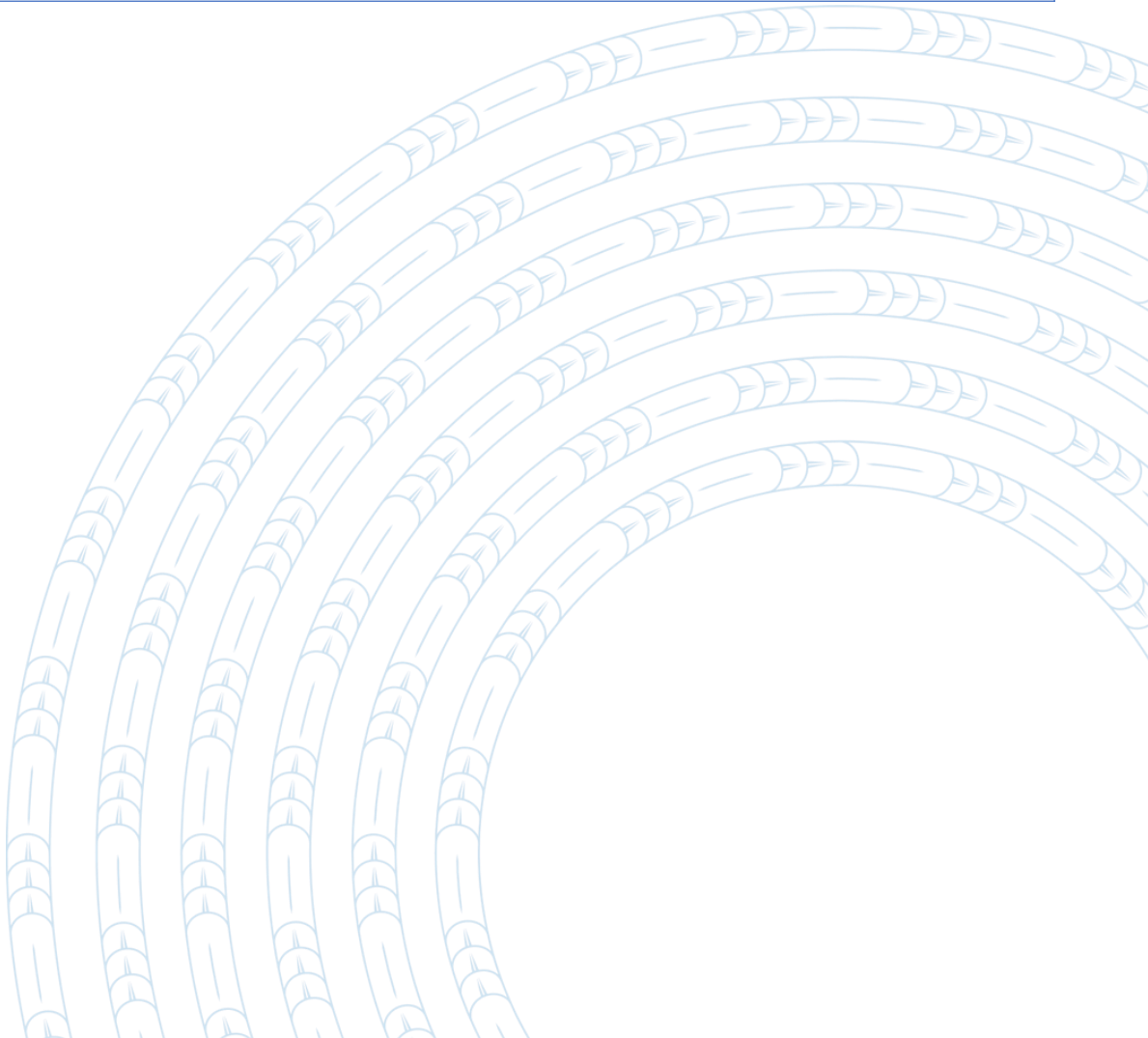
The delivery of UCP is segregated into two tranches,

- Tranche 1: 14 projects are complete.
- Tranche 2: 4 projects due for completion by end of 2024/25.

Project Title	Location	Project Description	Status
NO PROJECTS IN PROGRESS FOR FY2023/2024			



Project Title	Location	Project Description	Status
NO PROJECTS PLANNED FY2024 - FY2025			



Public Transport Minor Projects



Introduction

Public Transport (PT) infrastructure projects are delivered predominantly through PT Safety, Security & Amenity (Capex) and PT Renewals Programmes. These programmes are tasked with delivering a range of small to mid-sized PT infrastructure and renewal projects that support bus, marine and rail PT modes.

This includes:

- Bus stop infrastructure improvements
- Removal of redundant bus infrastructure
- Localised bus priority (bus tracking & route improvements)
- Public transport wayfinding upgrades & renewals
- Rail / Bus Station and Ferry terminal upgrades & renewals
- PT Facilities upgrades and renewals (incl. BT)

Outcomes

To support and enhance the efficiency, reliability and customer amenity of all of AT's public transport services.

Planning Process

Projects are typically identified:

- By AT Metro Operations
- From public transport operator requests
- Customer requests
- Bus route performance assessments
- Changes in bus routes resulting in redundant infrastructure
- AT Assets (for PT Renewals)
- Local Board requests & Collaborations



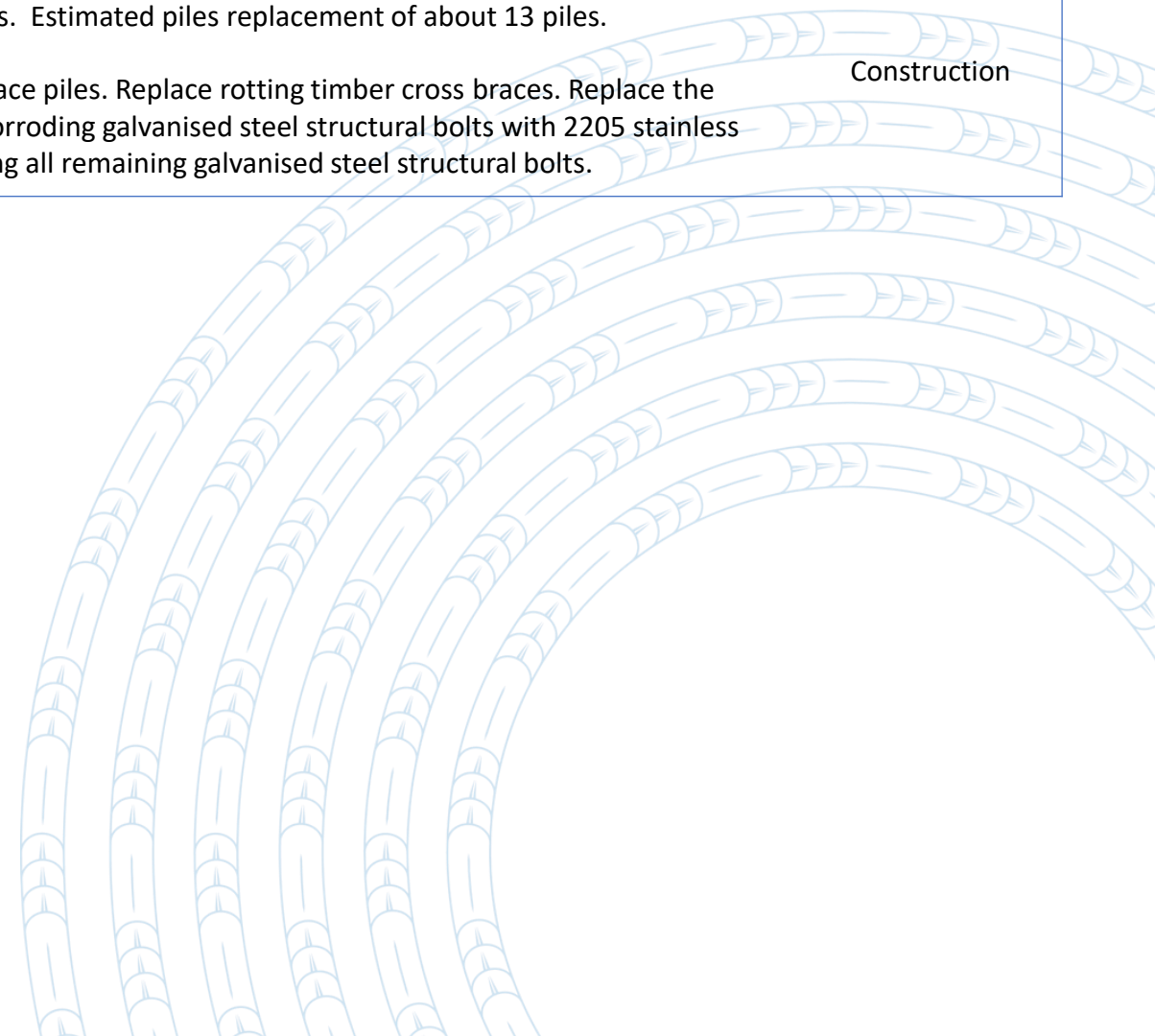
Project Title	Location	Project Description	Status
Seismic Programme (Bridges)	Sunnyside Road - Coatesville (Bridge No.1) Taupaki Road (Bridge No.1) Pakiri Block Road (Bridge No.1) Whangaripo Valley Road (Drowers Bridge) Wharehine Road (Whanaki Bridge) Rapson Road - Kaukapakapa (Rapson Bridge No.1) Upper Waiwera Road (Twin Bridge No.1) Upper Waiwera Road (Twin Bridge No.2) West Coast Road - Woodcocks (Araparera Bridge No.4) Tauhoa Road (Kaitoto Bridge) Broadlands Drive Bridge Peak Road (Bridge No.3) Coal Hill Road (Canal Bridge) Broadlands Drive (Cycle Bridge)	Undertake seismic assessment of existing bridges to determine seismic capacity / rating and determine whether strengthening works are require to meet code.	Investigation
Kennaways Bridge	Intersection between Kennaway Rd & Pakiri Rd	Seismic strengthening/retrofit.	Design
Wharehine Bridge		Spalled concrete and cracks repair required for both pier and kerb. Guardrail terminal ends need repair.	Design
Culvert 2212	1303 Kahikatea Flat Rd	1. Outlet units settled as the result of undermining in foundation; 2. Joints seal between the segments; Concrete seal repair; 3. Scour protection at inlet and outlet.	Design
Araparera No 4 Bridge	Intersection between W Coast Rd & Ahuroa Rd	1. Concrete cracks/spalling repair. 2. Steel coating protection.	Design
Stoney Creek No 3 Bridge	903 West Coast Rd	1. Reinstate and fasten to tie bars with appropriate connection. 2. Install spacer plate and reinstate connection. 3. Replacement of deck boards. 4. Weld plate to extend flange and monitor for further corrosion.	Design
Kahikatea Flat No 1 Culvert	1559 Kahikatea Flat Rd	1. Concrete repair of cracking and spalling. 2. Guardrail replacement.	Design

Project Title	Location	Project Description	Status
Peak No. 4 Culvert	375 Peak Rd	<p>Proposed Works: Dislodged section of Armco plate to the NE corner at the inlet, replace affected section. Corrosion to face of Armco, gold seal to upper section of culvert, corrosion protection required to lower section. Missing & delaminated nuts to fixings bolts between Armco plates, reinstate & replace nuts. Scour to the SE corner, wash out of gravels into stream area, constriction to waterway, scour protection required to slope. Accident damage to the SE corner approach rail, repair affected section, missing handrail above culvert large fall. Cyclic clean to downstream area of the inlet, build up of sediments. Missing culvert name signs. Remove tree growing above culvert at the inlet.</p> <p>(Defect: Dislodged section of Armco plate to the NE corner at the inlet, replace affected section. Corrosion to face of Armco plate, corrosion protection reqd. Missing & delaminated nuts to fixings bolts between Armco plates, reinstate & replace nuts. Scour to the SE corner, wash out of gravels into stream area, constriction to waterway, scour protection required to slope. Corrosion to face of Armco, gold seal to upper section of culvert, corrosion protection required to lower section. Accident damage to the SE corner approach rail, repair affected section, missing handrail above culvert large fall. Cyclic clean to downstream area of the inlet, build up of sediments. Scour to the SE corner at the sub drainage outfall, scour protection required. Accident damage to approach terminal to the SE corner, repair affected section. Missing culvert name signs. Remove tree growing above culvert at the inlet.)</p>	Design
Glennies Bridge	861 West Coast Rd	Timber decking renewal.	Design
Strakas Bridge	121 Krippner Rd, Puhoi	1. Beam cracks/ Spall repair.	Design
Trigg Bridge	154 Trigg Rd	Abutment erosion and scour risk identified.	Design
Torkingtons Bridge	Intersection between Waiwhiu Rd & SH1	Abutment erosion and scour risk identified.	Design
South Cove - Deck/Joists and Piles replacement	South Cove	Replace rotten timber decking, repair crib wall at wharf access, replace damaged joists, and replace corroded bolts. Estimated piles replacement of about 13 piles.	Design

Project Title	Location	Project Description	Status
NW Bus Stops Package 1 - 25 Sites	Station Road, Te Atatu Road, Metcalf Road, Ranui Station Road	25 bus stop infrastructure installations, improvements, and removals to service the Northwestern busway. Some pedestrian crossings improvements. Funded by CERF.	Design/Construction
NW Bus Stops Package 2 - 16 Sites	Swanson Road, Northfield Road, McEntee Road	16 bus stop infrastructure installations, improvements, and removals to service the Northwestern busway. Some pedestrian crossings improvements. Funded by CERF.	Design/Construction
Coatesville Bus Indents	565 & 585 Coatesville Riverhead Highway	The project intends to indent two existing 'in-line' bus stops so the bus will be able to leave the traffic lanes when stopping for passengers. AT has received design endorsement from Rodney Local Board, and construction is planned to commence late-October/early November.	Implementation



Project Title	Location	Project Description	Status
South Cove Deck/Joists and piles replacement and Schoolhouse Bay piles replacement	South Cove and Schoolhouse Bay	<p>South Cove: Replace rotten timber decking, repair crib wall at wharf access, replace damaged joists, and replace corroded bolts. Estimated piles replacement of about 13 piles.</p> <p>Schoolhouse Bay: Jacket or replace piles. Replace rotting timber cross braces. Replace the rotting tie beams. Replace the corroding galvanised steel structural bolts with 2205 stainless steel bolts, and consider replacing all remaining galvanised steel structural bolts.</p>	Construction



Parking



Introduction

The Parking Programme is both proactive and a community- initiated programme. It provides parking management to address key customer issues. It also focus on AT's congestion points to deliver on the AT Parking Strategy and the commitments set out in the SOI and Enterprise Business Plan.

Outcomes

- Enhances customer experience
- Supports mode-shift

Planning Process

The Parking Design Team collates feedback from the public, including Local Boards and Business Associations.

Projects are then assessed and prioritised by parking demand, 2012 Auckland Plan, community expectations, parking studies, and proximity to frequent and rapid transit network.

Potential Challenges

- Community acceptance to parking changes
- Operate on legislative network
- Technical Solutions lead time

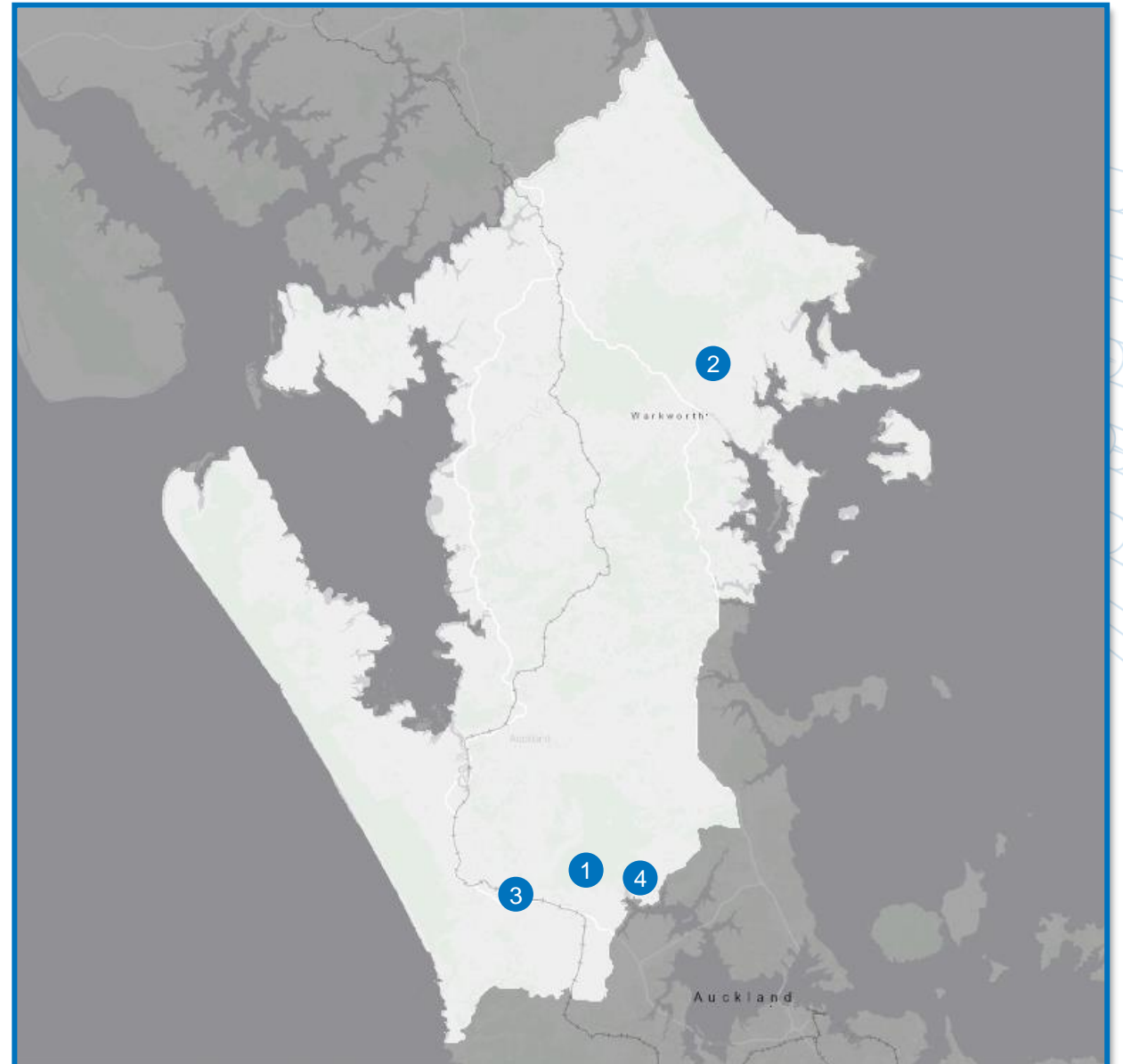


Project Title	Project Description	Status
Kumeu Town Centre Review	Review of parking in town centre	Investigation
Warkworth Town Centre Review	Review of parking in town centre	Closing
Integration Mobility Permits	Integration Mobility Permits	In Progress
Licence Plate Recognition Survey	Licence Plate Recognition Survey	In Progress
Reactive works area - Narrow Roads	Minor Works (1) Rosella Grove	In Progress
Reactive works area - Grass Berms	Minor Works (0)	Not Started
Reactive works area - Parking Changes	Minor Works (1) Riverhead Point Drive	In Progress

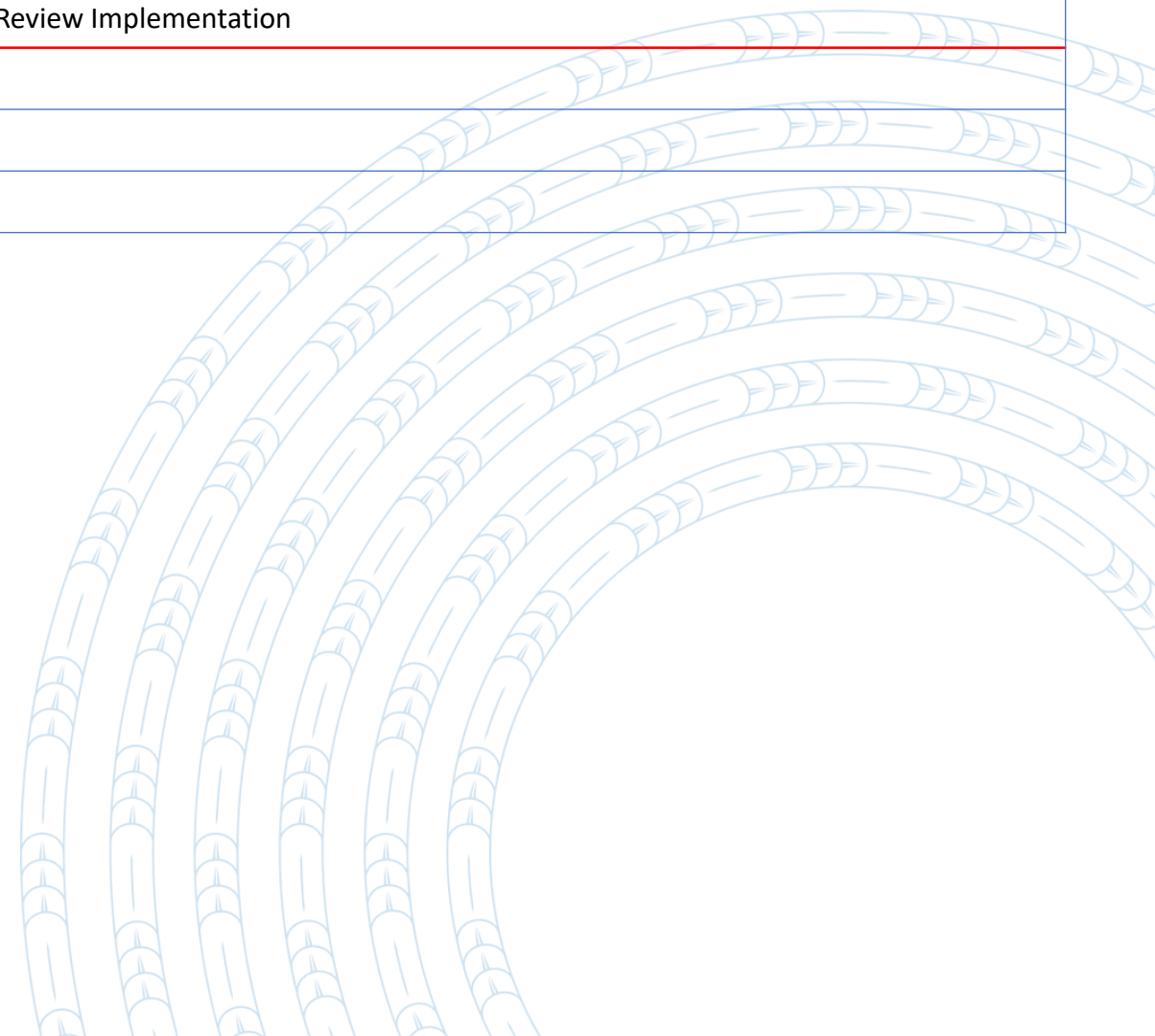


Legend

- | | |
|---|---------------------------------------|
| 1 | Kumeu Town Centre Review |
| 2 | Warkworth Town Centre Review |
| 3 | Reactive works area - Narrow Roads |
| 4 | Reactive works area - Parking Changes |

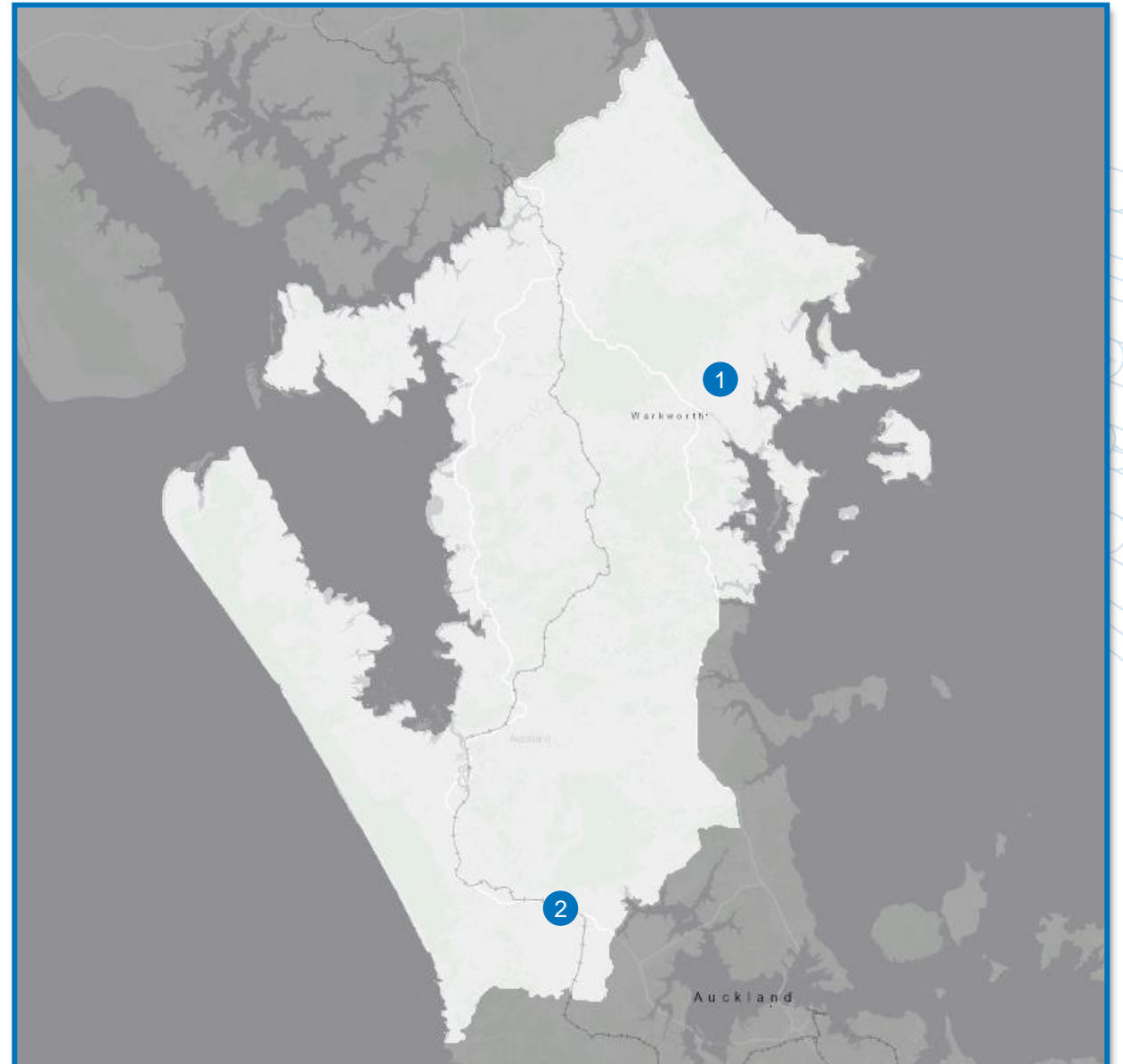


Project Title	Project Description	Status
Warkworth	Town Centre Review Implementation	
Kumeu	Town Centre Review Implementation	
Reactive works area - Narrow Roads	Minor Works	
Reactive works area - Grass Berms	Minor Works	
Reactive works area - Parking Changes	Minor Works	



Legend

- | | |
|---|---|
| 1 | Warkworth Town Centre Review Implementation |
| 2 | Kumeu Town Centre Review Implementation |



Community Partnerships Programmes



Road Safety Programme

Community Transport road safety behavior change programmes address 8 high risk themes contributing towards death and serious injury crashes, in communities across Auckland.

Including: Young Drivers, Alcohol and Drugged Driving, Speed, Motorcycles and Motor scooters, Older Road Users, Intersections, Restraints, and Distractions.

[Confidential - Community Partnerships Reel](#)



Te Ara Haepapa (The Journey)

Te Ara Haepapa is a programme developed to address the high proportion of Māori involved in deaths and serious injury road crashes in Tāmaki Makaurau.

What's happening in your local area

Police Checkpoints

- Controlled Breath Testing and Child Restraint Check Points
Speed and Alcohol
- Back to School & Slow Down Around Schools promotions
- Lic Controller Qual (online training), Winter Rugby Sober Driver Campaign, Boat Ramp Breath Testing Restraints
- Whitiki – One on one whanau consultations and clinics
- Support and collaboration is ongoing with Community Providers

Community Partnerships Programmes

Travelwise School Programme

This programme aims to encourage active modes of travel; walking, cycling, scootering and using public transport or a school bus.

Walking School Buses

A walking school bus provides young children with a safe way to walk to school through a structured, adult-supervised walking group that takes them from near their homes to their school.

Of 280,000 children in Auckland 46% use Active modes at Travelwise schools
288 Walking School buses
3750 Children across the region



Local Board - Travelwise schools / Walking School buses

Project Title	Project Description
Road Safety Education, Activations and Events	Also partnering with communities to champion safe road user choices. This includes focus areas such as: Alcohol, Driver Licensing, Child Restraints, Speed, Safe School Travel, Pedestrian Safety and Train the Trainer. This programme largely runs in conjunction with the provision of the Māori Road Safety and Sustainable Travel Education, Activations and Promotional Events.
Travelwise Schools (Safe and Sustainable Travel) Education, Activations and Events	Age-appropriate programmes including the safe use of the transport network, bike skills, safe walking (walking school bus), scooter skills, travel options, rail safety, child restraints, promoting slow speeds, "good choices" in high schools.
Partnering and Building Community Capability and Capacity to deliver Road Safety Training and Education (Community Providers and Treaty Partners)	Training and supporting community providers, treaty partners, community leaders and influences to provide education and safety messaging within their communities. Driver Licencing train the trainer etc.
Māori Road Safety and Sustainable Travel Education, Activations and Events	Partnership programmes with Kura Kaupapa, Rumaki Reo and Kōhanga Reo promoting safe and sustainable travel including bike skills, scooter skills, pedestrian safety etc. Also partnering with Māori to champion safe road user choices, including the provision culturally appropriate programmes provided through a Te Ao Māori lens. This includes focus areas for Māori such as: Alcohol, Driver Licensing, Child Restraints, Speed, Safe School Travel, Pedestrian Safety and Train the Trainer. This programme largely runs in conjunction with the provision of the Road Safety Education, Activations and Promotional Events.

Sustainable Mobility



Active Modes

Promoting active modes, improving safety and encouraging mode shift through cycle skills training, events, activations and campaigns targeted at schools and communities.

The cycling programme aims to get more people cycling more often, build community capacity for cycling and encourage the use of cycling infrastructure.

Local Board Involvement

We would love the Local Board to help us shape our programme locally by:

- *Identifying new community groups, schools and large businesses interested in working with us.*
- *Promoting our programme of activities to increase uptake.*

Travelwise for Businesses

Working with large businesses and organisations (over 100 staff) to increase travel by sustainable modes.

Targeted engagement including city centre businesses, DHBs, tertiary institutes and new movers.



Sustainable Mobility

The following is a list of regional activities that will be tailored to local board areas, aligning with the existing cycle network and planned cycle infrastructure improvements.

Projects	Updates
Community Partnerships	Support community groups with the design, delivery and/or funding of their bike related activities.
Community Bike Fund	A contestable grant for community groups to deliver events and projects that encourage more people to ride bikes. Groups can apply for up to \$5,000.
School Cycle Training	Deliver Grade 1 (basic cycle skills) and Grade 2 (on road riding skills) at a selection of schools.
Bikes in Schools	Support the national programme through training teachers at participating schools.
Kids Learn 2 Ride	Community based drop-in sessions teaching bike skills to children (locations TBC).
Adult Bike Skills	Courses including Bronze (off-road skills), Silver (quiet road skills), Gold (on-road skills) and bike maintenance. Sessions available on demand.
Bike Burbs	In partnership with Bike Auckland provide capacity building support to community Bike Burbs.
Bike Hubs	Support the establishment and running of community-based bike hubs..
Events and Activations	Provide walking & cycling focused activities at community events and deliver a series of 'pit stops' on popular cycle routes to encourage safe cycling.
Auckland Bike Challenge	Individuals and teams can compete to log bike rides during the month of February.



Capital Projects



Capital Projects

Inform Update FY2023/2024

Project Title	Location	Project Description	Status
NO PROJECTS IN PROGRESS FOR FY2023/2024			



Project Title	Location	Project Description	Status
NO PROJECTS PLANNED FY2024 - FY2025			



Network Optimisation



Introduction

The Auckland Network Optimisation Programme delivers projects that improve the effectiveness of the region's existing road network, increasing the movement of people and freight through infrastructure and technology projects.

This is a joint programme between Waka Kotahi (NZTA) and Auckland Transport working to improve healthier travel choices and make it safer and easier for people to get around Auckland using our existing network.

Planning Process

Network deficiencies are identified based on network performance reporting and measured against the Auckland Network Operating Plan. Network deficiencies (pain points) are then investigated and solutions prioritised to be included in the programme. Currently the programme has over 200 locations identified with modal deficiencies and over 30 new technology enhancements which will benefit the whole region.

Outcomes

Together with Waka Kotahi, the programme solves known deficiencies on the network for:

- Freight movements on the key freight network
- Bus movements on key public transport corridors (in conjunction with Metro Services)
- Walking and cycling on key corridors and within activity centres
- General traffic

Additionally, the range of technology projects will help operators respond quicker and optimise the network in real-time.



Regional Technology Projects – sites still to be selected

Project Title	Location	Project Description	Status
Advanced detection trials at intersections - Smart Queue Detection - Smart Cycle Detection - Smart Ped Detection	Regional	Use of Computer vision, thermal sensors and / or radar infra red to allow capture of data for different modes. To improve intersection responsiveness to demands from various modes. Includes detection of pedestrians, cyclists, vehicle occupancies and queue length as well as vehicle mode classification.	Delivering FY23/24 sites
Bus Booster Roll Out	Regional	Bus Booster is a technology that aims to reduce the delay for late-running buses at traffic signals by timing green signals to favour buses as they approach the intersection, where it is safe and practical to do so.	Delivering FY23/24 sites
CCTV key network coverage	Regional	Ongoing CCTV camera deployment to enhance network visibility e.g., mid-blocks on arterial network and 'place' locations.	Delivering FY23/24 sites
Cyclist Sensors and data collection	Regional	Sensors to capture data from strategic cycle network.	Delivering FY23/24 sites
Variable Message Sign infrastructure expansion	Regional	Ongoing roll out of additional VMS infrastructure.	Delivering FY23/24 sites
Pedestrian Sensors and data collection	Regional	Increase the coverage of pedestrian sensors for data collection.	Not initiated



People Powered Streets



Introduction

People Powered Streets is made up of the following tactical/adaptive urbanism programmes:

1. **Ngā Tiriti Ngangahau – The Vibrant Streets** - Auckland Council funded (100%) and established through Council's 10yr Climate Action Plan in the LTP. Focused on reducing transport emissions through encouraging mode shift to active modes, using temporary/semi-permanent infrastructure trials and non-infrastructure initiatives outside the city centre.
2. **Streets for People 2.0** - A newly funded (90%) Waka Kotahi programme, focused on climate action that makes it safer, quicker, and more attractive for people to walk, bike, ride devices, and take public transport in our towns and cities.



Status

No projects in progress and no projects planned for FY2024/25



Climate & Environment Update




Hiikina te Wero: Environment Action Plan




Hiikina te Wero was endorsed by the AT Board in December 2021. The Plan was developed in partnership with Mana whenua and provides 5 targets against which AT measures progress over a 10-year period (to 2030).

The YE 2023 Environment Scorecard will be available late November 2023 in English and te reo Māori.

YE 2022 Scorecard is shown on the right.

 **Managing our Discharges:** Runoff from 30% of our busiest roads will be treated by 2030.

 **Greening out Network:** Increase canopy cover along Auckland road corridors to an average of 12%, and increase pervious surfaces along corridors that connect areas of high ecological value by 10%.

 **Water Conversion:** All AT capital/maintenance projects >\$5 million will establish non-potable water supplies for activities that do not need drinking-water quality water.

 **Waste Minimisation:** Waste volumes sent to landfill is reduced by 50% (or 75% of waste is diverted).

 **Fish Passage and Biodiversity:** Fish passage will be provided for 20% of the rural culverts located on permanent streams.



Climate Adaptation

AT's Climate Adaptation Programme covers both coastal and inland assets.

- Developed Climate Change Policy
- Contributing to the Shoreline Adaptation Plans AC staff are developing
- Collaboration across Council family to ensure shared knowledge of hazards
- Detailed assessments of coastal impacts on selected vulnerable AT assets
- Updating national landslide database with 2023 events - underway
- Development of predictive framework for inland hazard (landslide) impacts – 2023/24
- Updating AT criticality assessment with utility operator layers – 2023/24



Next steps include:

- Progressing coastal asset assessments – 2023/24
- Embedding the work into asset management – 2023/24



Emissions Reduction

- AT Board set an embodied emissions target in Feb 2023 of 50% reduction by 2031 in alignment with Climate Leaders Coalition requirements and 1.5°C warming
- AT emissions were recently certified by Toitu and numbers confirmed by Audit NZ (Annual Report).
- AT is the first Road Controlling Authority (and Council entity) in NZ to achieve Category 4 certification for embodied emissions



This is to certify that

Auckland Transport

is Toitū carbonreduce organisation certified.

Toitū carbonreduce certified means measuring emissions to ISO 14064-1:2018 and Toitū requirements; and managing and reducing against Toitū requirements

A handwritten signature in black ink, appearing to read "Billy Ziemann".

Billy Ziemann— Certifier

Date issued: 23 August 2023 | Valid until: 23 August 2025

Certificate Number: 2022203J | Certification Status: Certified Organisation

Company Address: 20 Viaduct Harbour Avenue, Auckland, 1010, New Zealand

Certification Year Level of Assurance: Reasonable for categories 1, 2 and 3. Reasonable and Limited for category 4

Please refer to the disclosure page on www.toitu.co.nz for further details.

Toitū carbonreduce is an annual certification programme and this certificate only remains valid with an annual surveillance audit.

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