

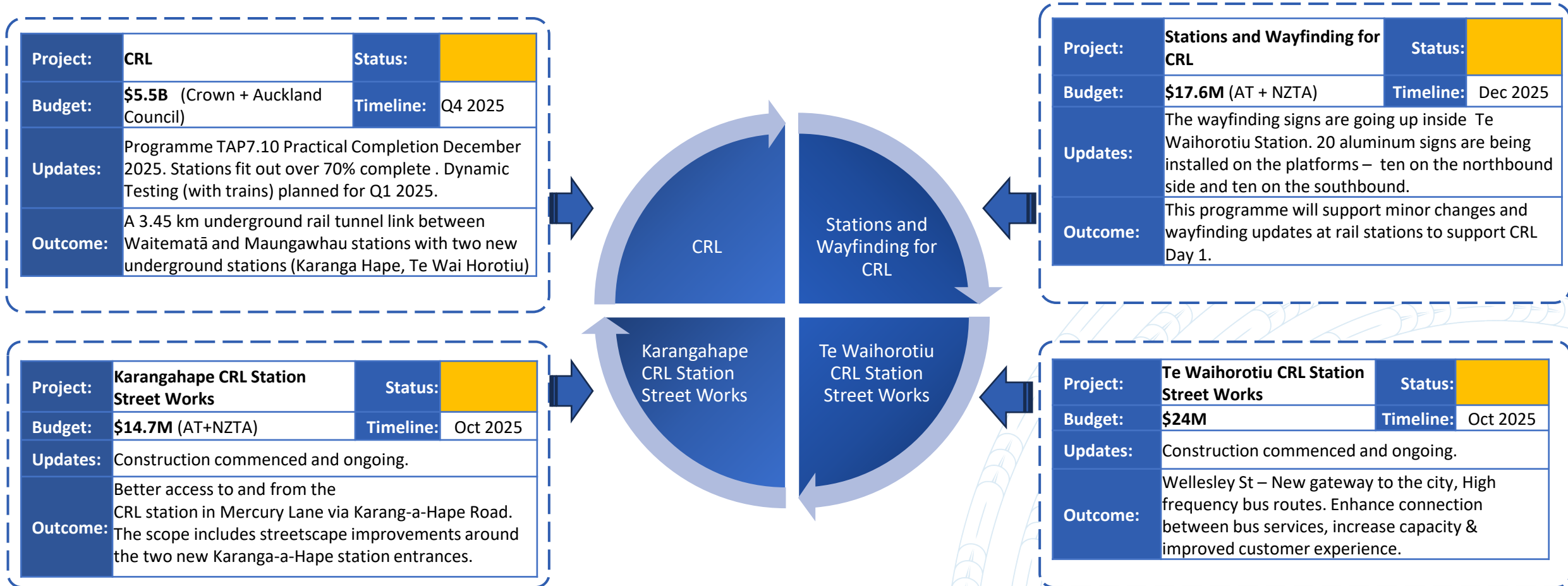


City Rail Link & Rail Updates

December 2024

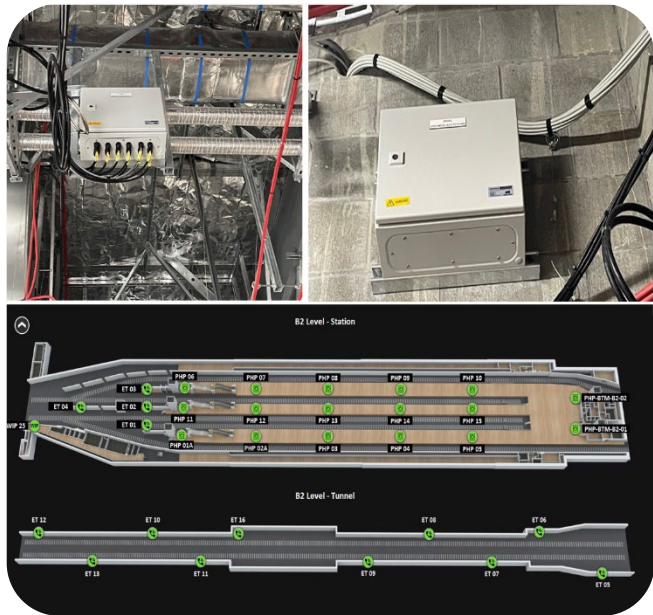


City Rail Link (CRL) Project Update - Infrastructure



CRL – Overview

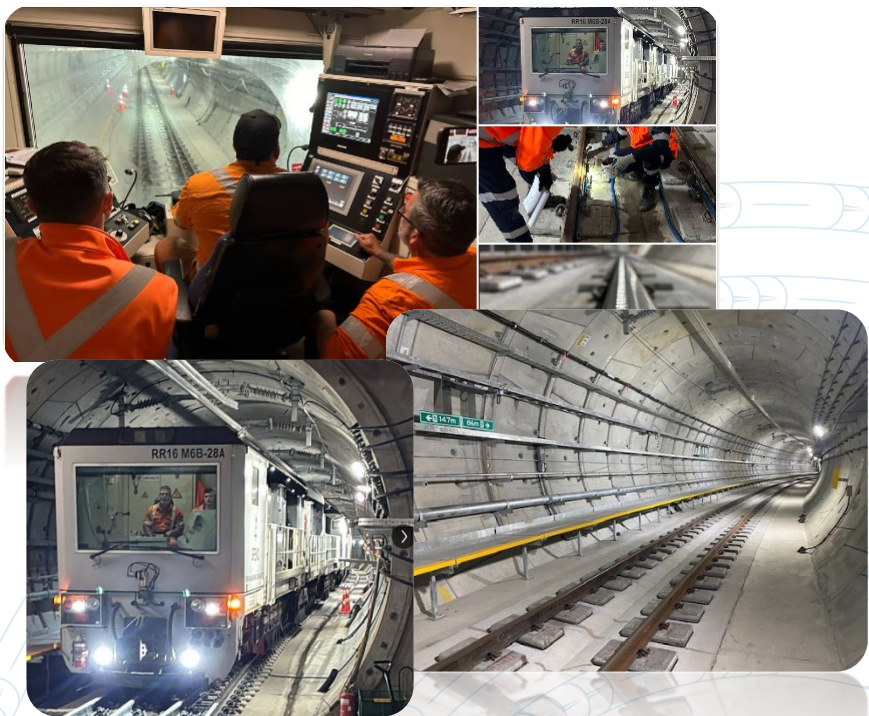
Photos



Multiple new network systems
supporting CRL Stations operations control



AT Board Site Visit at Te Waihoritū and Karanga a Hape Station



Rail Grinding Works Completed



Level Crossing Programme Project Update



Project	Budget	Outcome	Timeline	Update / RAG Status
Level Crossing Programme Single Stage Business Case (SSBC)		Programme business case to support the long term programme of level crossing removal across the Auckland Metro network.	SSBC – Q1 2025	Programme business case nearing completion. Approvals through AT Board Feb 25, NZTA Board March 25 Working with NZTA review of SSBC.
Tranche 1: Pre-CRL Level Crossing programme	\$62.9m	Enables increased operations for CRL Day One train plan. This includes a. Pedestrian crossing removal programme (O'Neills Rd, Corban Estate, Lloyd Ave, Kingdon St, Homai Station, Tironui Station Rd). b. Church Street East removal programme. c. Level Crossing Safety programme, including completion of the Automatic Pedestrian gating programme.	Q4 2024 – Q4 2025	Programme progressing with four crossings closed and the remainder to be removed by late 2025. Church Street East - The business case now complete. Closure of the crossing and alternative access improvements recommended. Level Crossing Safety Impact Assessment (LCSIA) and So Far As Reasonably Practicable (SFARP) assessment of safety improvements required prior to CLR opening underway, with delivery scheduled for 2025.
Tranche 2: Takanini Cluster and Glen Innes Station crossing removal	\$550.3m	Enables the southern line (south of Papakura) and the eastern line to be cleansed of level crossings. This includes: • Removal of 4 road crossings at Takanini • Construction of station access bridges at Takanini, Te Mahia and Glen Innes Stations.	DBC – Q1 2025 Delivery Q4 2025 - 2032	Tranche 2 Detailed Business Case to AT Board Feb 25, NZTA Board March 25. Local Board progress meeting in December 24. Station access bridges progressing through design and procurement of Design and Construct (D&C) contracts for delivery using AT Modular Bridge approach. Targeting construction start Block of Line (BOL) 2025 Working with KiwiRail and NZTA to try and realise opportunity to bring forward construction of the Takanini road crossings



Rail Infrastructure Programme - Overview

Photos



Homai Station Level Crossing Removal - Stair removal and pile installation
(Works to be completed by January 2025)



Rolling Stock Project Update



Project	Budget	Funding source	Agency in charge	Outcome	Timeline	Update / RAG Status
EMU Batch 3	\$204.7m	51% NLTF	AT	23 new 3-car electric multiple unit (EMU) trains	Q4 2024 – Q4 2025	15 units in build - 8 units have Approval for Transport, 2 units in transit, 2 units in Auckland about to commence dynamic testing . Units 1-3 now getting prepared for ATs final inspection in preparation for handover to AT and project team issuing CAF provisional acceptance, the unit milestone confirming units can commence service.
EMU Retrofit Programme			AT	Retrofit of the existing 72 trains to CRL norms	Q4 2024 – Q4 2025	CAF continue with Stage 2 works, fitting new LED interiors and prewiring for ETCS BL3, SDO and 9 car Anti drag noncompliance now resolved and works reprogrammed CAF NZ still planning to complete by end of their Maint. Contract
EMU Simulator Upgrades			AT	Simulator upgraded to ensure AOR driver training can commence	Feb 24	Stage C - acceptance testing continues with AOR and Lander providing updates to close out open issues Stage E - B3 upgrade currently under acceptance testing by AOR Stage F – ATO upgrade currently under acceptance testing by AOR Regular engagement with AOR continues to ensure no impact to driver training plans
EMU Stabling and Depots for CRL	\$36m	51% NLTF	AT	Additional stabling at Wiri depot for new rolling stock	Q4 2024 – Q4 2025	Programme progressing, with completion scheduled for 2025
Rail European Train Control System 2 (ETCS2). Signalling and Driver Assist	\$38.8 m	AT+KR	AT / KR	Planned to upgrade to the European Train Control System 2 (ETCS2). AT will need to adapt the trains, simulators and driver training programmes and align with the new system. The project is in its initial stages and is pending approval from AT, NZTA, and KiwiRail before moving forward with implementation.		On Hold – not progressed at present



Rolling Stock Programme - Overview

Photos



5 New EMUs stored at recently completed Wiri Stabling Depot



Testing new EMUs prior to certification for PT services operation on rail network



AT Assets delivered by KiwiRail Update



Project	Budget	Funding source	Agency in charge	Outcome	Timeline	Update / RAG Status
Pukekohe Station	Inc P2P	NZUP	KR	Redevelopment of Pukekohe station, and construction of additional stabling and train crew facility	Q1 2025	Building snagging process being undertaken between AT and KR. Asset handover discussions continuing
Drury stations	\$495m	NZUP	KR	Three new stations between Papakura and Pukekohe	Drury & Paerātā 2026 Ngākōroa 2026	Land clearance underway at Drury Station. Delays to land purchase Drury & Paerātā to open in early 2026, and Ngākōroa in July 2026.
Middlemore Station	Inc Third Main	NZUP	KR	Redevelopment of Middlemore Station to support the new Third Main railway line, with a new station overbridge and customer gateline	Q1 2025	Middlemore: Construction on the 3rd main started Dec 2023 and anticipated to be completed by Mar 2025.





Platform faces built at Ngākōroa Station



Sustainable demolition at Drury Station – building demolished and rebuilt with all original items in Northland

Rail Network Projects - KiwiRail Assets Updates



Project	Budget	Funding source	Agency in charge	Outcome	Timeline	Update / RAG Status
RNGIM	\$572m	Transitional rail	KR	RNGIM programme includes the eRail Network Rebuild, Automated Track inspection technology, rail resilience infrastructure, and business improvement initiatives to stabilise current infrastructure faults, and enable growth.	2025	Discussions continue on transfer of RNGIM programme funding to KR. Planning continuing for RNR 2025 programme, including full rail network closure in January 2025, requiring significant replacement bus and freight replacement options.
3 rd Main	\$318m	NZUP	KR	3 rd main line, Middlemore station redevelopment and Wiri depot independent power feed	Q1 2025	Middlemore: Construction on the 3 rd main started Dec 2023 and anticipated to be completed by Mar 2025. Track infrastructure mostly complete. Middlemore Station construction underway.
New Power Feed at Glen Eden on the Western Line	\$57m	NZUP	KR	Enable greater power resilience, reliability and future growth train numbers	Q1 2025	Construction of 3 rd network power feed continues at Glen Eden site, Expected completion Apr 2025 due to delays with Council and Vector.
Network fencing	\$20m	NZUP	KR	Improve safety and security of the rail corridor by managing access	Ongoing to 2032	Programme continuing to prioritise hotspots jointly identified with AT – with notable improvements in key locations.
Resilience crossovers	Incl RNGIM	Transitional rail	KR	Increase the resilience and operational flexibility of the network (3 on the Eastern line, one on the Western)	Q4 2025	Underway, with a risk of being completed late.
P2P	\$419M	NZUP	KR	Electrification from Papakura to Pukekohe, including new track, signals, and upgrade of 6 level crossings	Q1 2025	P2P remedial track adjustments transferred to the ongoing RNR Stage 4 programme, requiring ongoing co-ordination and management.



New overbridge at Middlemore Station



New Power Feed at Glen Eden (facing East)

Acronyms

AOR	Auckland One Rail	JSGG	Joint System Governance Group	PAB	Project Alliance Board
ATO	Automatic Train Operations	KR	KiwiRail	PTAM	Public Transport and Active Modes
BAFO	Best and Final Offer	LKA	Link Alliance	RNGIM	Rail Network Growth Impact Management
BoL	Block of Lines	NLTF	National Land Transport Fund (Waka Kotahi funding mechanism)	RNR	Rail Network Rebuild
BT	Business Technology	NZUP	New Zealand Upgrade Programme	SAP	Stakeholder Alliance Partner
CAF	Construcciones y Auxiliar de Ferrocarriles	OCA	One Client Alliance	SDO	Selective Door Operation
CRL	City Rail Link Ltd	OCEC	One Client Executive Committee	T&C	Testing and Commissioning
CTC	Cost to Complete	OPS	Operations Readiness	TA	Technical Assurance
DDC	Design and Delivery Committee	P2P	Papakura to Pukekohe	TAP 7.10	Target Alliance Programme (Version 7.10)
EMU	Electric Multiple Units	PA	Provisional Approval	UT6	Unit 6
				WoL	Whole of Life

