

The City Rail Link

Local Boards
2012



A Vision for Auckland

A globally competitive city



- A thriving economic centre
- A lifestyle that attracts and retains top talent
- Transport solutions that allow for and shape growth

Auckland Plan - world's most liveable city

Outcomes

A well connected and accessible Auckland

A beautiful and green Auckland

An Auckland of prosperity and opportunity

A safe and healthy Auckland

Transport Strategic Direction: *Create Better Connections within Auckland, across New Zealand and to the world*

Transport Targets

Increase the proportion of people living within walking distance of frequent public transport stops from **14%** to **32%** by 2040

Increase proportion of trips made by public transport into the city centre during morning peak from **47%** of all vehicular trips in 2011 to **70%** by 2040

Auckland's transport sector needs to reduce current levels of greenhouse gas emissions by **40%** by 2031

Reduce congestion levels on strategic freight network to or below the average of 2006-2009 levels (average daily speed of **45km/hr** and average delay of **30 seconds per kilometre** by 2021

Increase non-car trips in the peak period from **23%** (200,000) to **37%** (420,000) of all trips by 2040

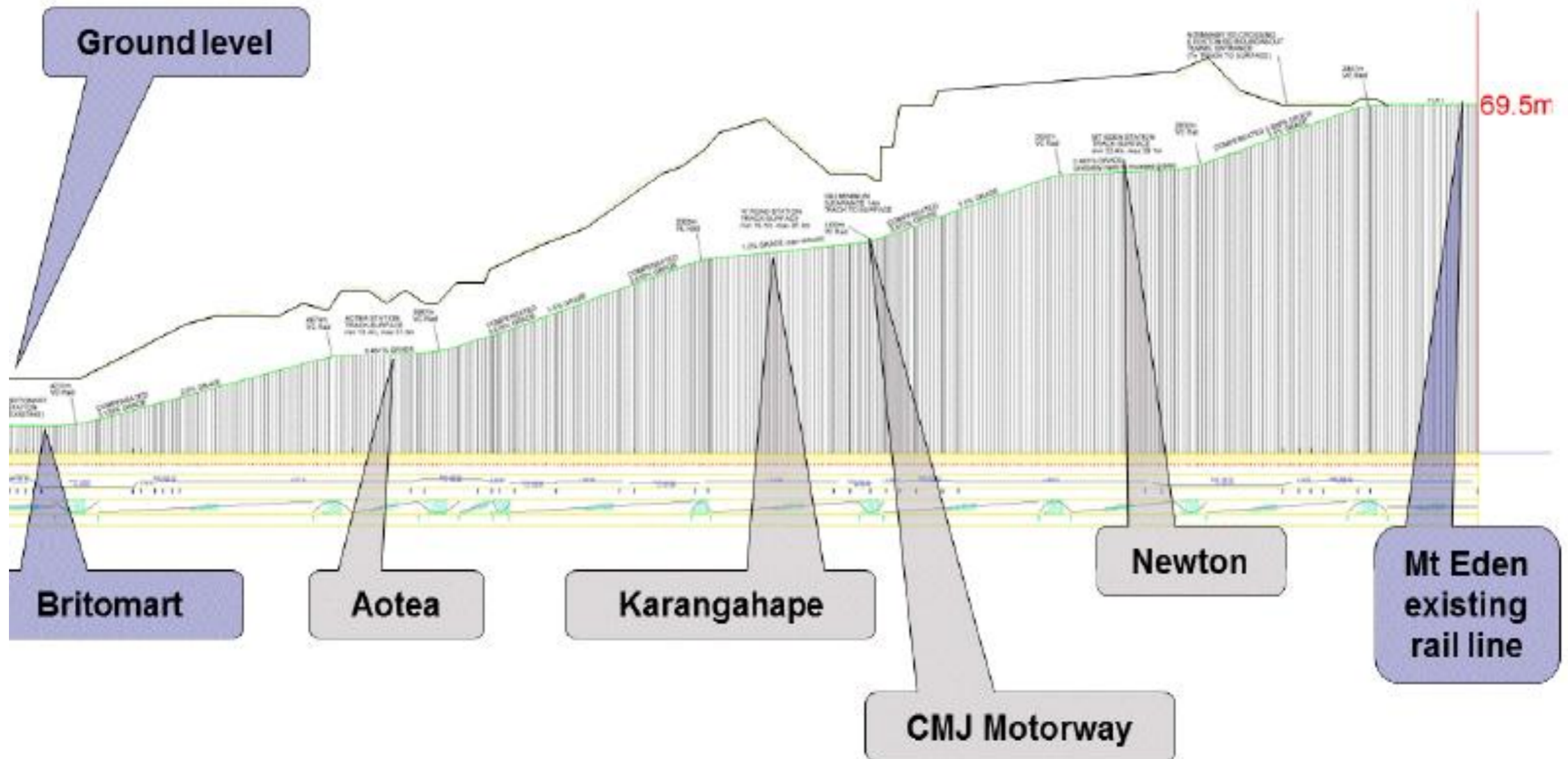
Reduce crash fatalities and serious injuries from **506** (2010) to no more than **470** in 2020

Overview

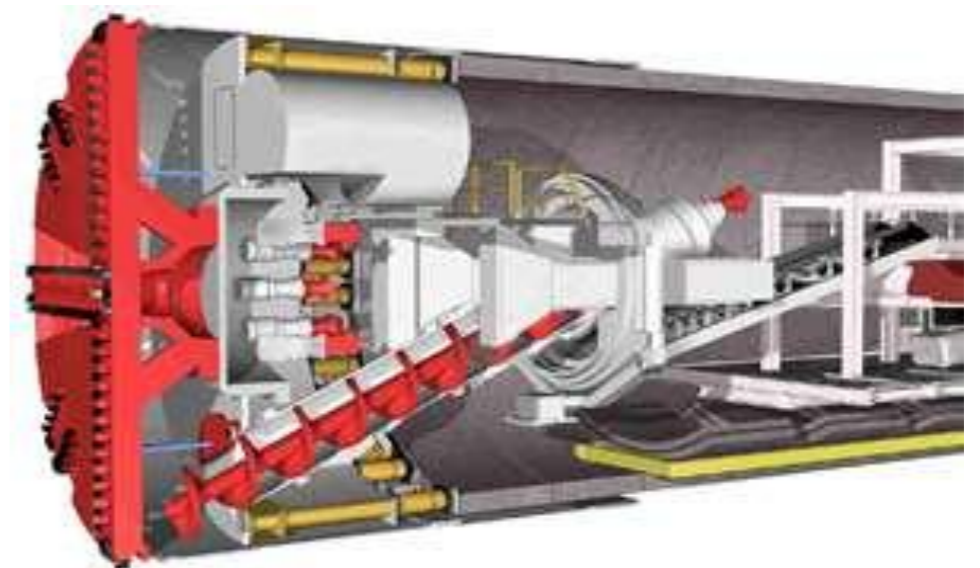


- Britomart terminus to Mt Eden
- 3.5km-mainly underground
- Provides for three city centre stations
- Supports Auckland Plan target of 69% of trips to the city centre being on public transport

Potential Stations

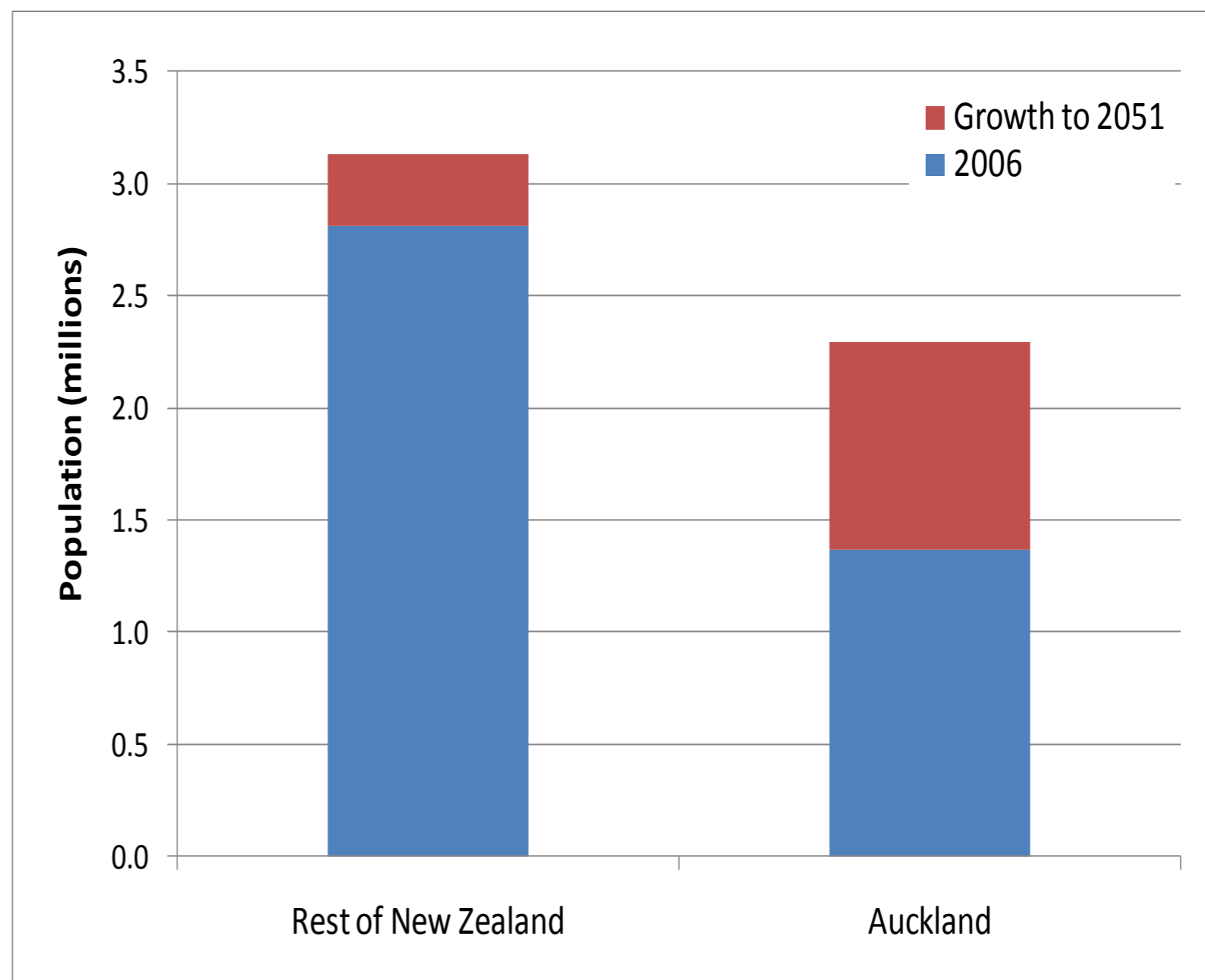


Technology and Trains



Auckland's Population Growth

- NZ in top four in OECD for growth- 2 and a half times OECD average
- Two thirds of NZ's growth in next three decades is forecast to be in Auckland
- Auckland's population 2.3m by 2051



City Centre Capacity

- Passenger rail capacity expected to be reached in 2016 after electrification
- CRL will double capacity by removing Britomart terminus constraint
- Bus capacity reached this decade



Symonds Street



Fanshawe Street



Bogota

The Efficiency of Public Transport

	Capacity per Hour	Capacity Ratio
A single lane of motorway	2,400 people	1
Bus lanes	7,500 people	x3
Dedicated busway / light rail	12,000 people	x5
Dedicated light rail	12,000 people	
Auckland rail corridor	20,000 - 25,000 people	x10



- New roads can be more expensive, environmentally challenging and impact more on communities
- Public transport has the ability to move more people more efficiently, freeing up congested roads for freight, commercial and other vital economic/social trips that cannot use public transport

Travel Times

Benefits

TRAVEL TIMES TO CITY RAIL LINK STATIONS

From	To Intended Location	Travel by Train / Bus (minutes)			% Improvement in Travel Times
		Before CRL	After CRL	Reduction in Travel Time	
New Lynn	Aotea Station	51	23	28	55%
Morningside	Aotea Station	39	14	25	64%
Onehunga	K' Road Station	47	27	20	43%
Manukau Centre	K' Road Station	61	42	19	31%
Newmarket	Aotea Station	27	10	17	63%
Panmure	Newton Station	40	27	13	33%

Timeline

Recent History:

- 2010 - KiwiRail ARTA study completed
- 2011 - Central government review of study
- Late 2011 - Project team established

Current Situation:

- Preparatory work to lodge Notice of Requirement
- Response to government review of study

Indicative Timeline:

- Construction 5.5 years
- Target opening 2020/21



Summary

The City Rail Link will:

- Build on past, current and proposed transport investment and release the capacity constraint at Britomart
- Be critical to improve accessibility and lift economic performance
- Enable and shape growth in the city centre and help make Auckland a destination of choice
- Provide a sustainable transport solution to help shape an efficient city centre and help futureproof us against rising transport costs
- Contribute positively to a vibrant and safe city and provide opportunity for changes in land use and value, particularly around stations

Auckland Transport is working to protect a route for the City Rail Link and project information is available on AT's website and through www.cityraillink.co.nz