

Attachment 1: Outcomes of 30 year rail investment programme

Benefits to the transport network by 2051

Investment Objective KPI	Pre Covid	2051 (Do Minimum)	2051 (Preferred Programme)	Comments
Improved train journey times	-	CRL benefits	5-15 mins across each line	5-to-10-minute saving per trip across each rail lines New crosstown route from Avondale to Onehunga and separation of freight and passenger services
RTN passenger train frequencies of 10 mins or better	At peak only	At peak plus limited off-peak	All day RTN frequencies of 7.5mins on average, except crosstown link	Avondale-Southdown crosstown link will have 15 min frequencies when line opens in 2051
Standing time under 15 minutes	-	Not achieved	On all lines except southern line during AM peak	
Increase in share of freight moved by rail	5.7m tonnes	12.4m tonnes	17.9m tonnes	44% increase in million tonnes carried
Increase in share of freight moved by rail	1.18b tonnes	2.4b tonnes	3.9b tonnes	63% in billion net tone km moved by rail
Freight modes share of addressable market	13%	16%	26%	A 63% growth over the do minimum scenerio
Increase metro rail passengers per annum	21m (2019) / 13m (2023)	55m	76m	a 39% increase compared to do min
Passenger KM travelled (Billion KM)	0.98	3.18	3.44	260m annual additional passenger km travelled, an 8% increase compared to do minimum
Increase metro rail passenger mode share (addressable market)	11%	21%	25%	19% growth of accessible market proximity to stations from do minimum
PT mode share	7.50%	14.60%	15.10%	3% increase compared to do minimum
Rail mode share	1.50%	3.20%	4.40%	38% increase compared to do minimum
Increase employment accessible by PT within 30 min travel (people)	23,350	56,600	60,341	6.6% increase compared to do minimum
Increase employment accessible by PT within 45 min travel (people)	79,700	185,250	204,342	10.3% increase compared to do minimum
Reduced road based VKT (Billion KM)	10.8	15.8	15.7	80 million VKT region wide reduction compared to do minimum
Emission reduction	--	--	73,000 tonnes	Annual reduction of 73,000 tonnes of CO2 by 2051

