# **Monthly Transport Indicators – December 2021**

For decision:		For noting: 2	$\times$
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### Te tūtohunga / Recommendation

That the Auckland Transport Board (board):

a) Receive this report.

#### Te whakarāpopototanga matua / Executive summary

- 1. The 2021/22 Monthly Indicators Report for December 2021 shows performance against the Statement of Intent (SOI) measures and other indicators.
- 2. This report includes the data from October, November and December 2021. It shows that a combination of COVID-19 pandemic (COVID-19) related lockdowns, public concerns over COVID-19 and a shift to working from home have had impacts on our KPIs. As a result, public transport (PT) patronage has dropped significantly while key projects have been delayed due to ongoing COVID-19 restrictions. Also, deaths and serious injuries (DSI) on the road network have significantly increased in comparison to 2020, noting that 2020 had months of particularly low DSI due to COVID-19 restrictions.
- 3. PT boardings for December were 46.6% below the monthly target but 144.2% of the November number. The 12-month rolling total of 50.4 million which is 17.9% below last year's result and 29.1 per cent below the target trajectory.
- 4. Local roads DSI increased by 21.4%, to 545 in the 12 months to September, which is not on track to meet the target. The deaths component of the indicator has increased by 120.8% and the serious injuries component by 15.8% on the 12 months to September 2021.
- 5. This month, three measures are on track to meet or exceed the target and eleven measures are not on track to meet the target.

#### Ngā tuhinga ō mua / Previous deliberations

6. There are no previous deliberations on this topic.





#### Te horopaki me te tīaroaro rautaki / Context and strategic alignment

- 7. The attached Monthly Indicators Report provides an overview of Auckland Transport's (AT's) performance against its SOI performance measures for December 2021. This report also provides supplementary information on the wider Auckland context as well as AT's PT, road operations and maintenance, and customer response activities.
- 8. This covering report highlights key trends and significant shifts in the monthly reporting statistics and provides a summary of performance against the SOI measures.

#### Ngā matapakinga me ngā tātaritanga / Discussion and analysis

#### Safety

- 9. There is a three-month lag for reporting on DSI. Therefore, in December 2021 we are reporting on September 2021.
- 10. For the 12 months to the end of September 2021, local roads DSI increased by 21.4%, to 545. This is 7.6% above the trajectory to meet the end of year target. Local road deaths have increased by 120.8% (from 24 last year to 53 this year). Local road serious injuries increased by 15.8% in the past year (from 425 to 492).
- 11. For the 12 months to the end of September 2021, the DSI on all Auckland roads (including local roads and highways) increased by 19.0%, to 620. This is 7.0% above the trajectory to meet the end of year target. Furthermore, all road deaths have increased by 121.0% (from 28 last year to 62 this year). All Auckland road serious injuries increased by 13.0% in the past year (from 492 to 558).
- 12. For the 12 months to the end of September 2021, DSI of vulnerable road users increased by 4.2%, to 270. This is 4.9% above the trajectory of this year's target. Deaths of vulnerable road users have increased by 10.5% (from 19 last year to 21 this year). Serious injuries to vulnerable road users increased by 3.8% in the past year (from 240 to 249).
- 13. All DSI indicators are not on track to meet the target. The high increases in DSI across local roads, all roads and for vulnerable users is likely due to lower police enforcement, alcohol and drug impairment, inappropriate speed, and lack of restraint use.

#### **Public Transport**

- 14. PT use totalled 50.4 million boardings for the 12 months to December 2021, a decrease of 17.9% or 11 million boardings on the 12 months to December 2020. Despite the adjusted SOI target, boardings remain affected by COVID-19, likely due to city centre, university student and office worker patronage being impacted by the increased travel restrictions, concerns about hygiene on PT and increased working from home.
  - Rail boardings totalled 8.8 million for the year to December 2021, a decrease of 24.6 per cent, or 2.8 million boardings, on the 12 months to December 2020.





- Bus boardings totalled 38.3 million for the 12 months to December 2021, a decrease of 16.1%, or 7.3 million boardings, on the 12 months to December 2020.
- Ferry boardings totalled 3.3 million for the 12 months to December 2021, a decrease of 19.2%, or 0.8 million boardings, on the 12 months to December 2020.
- 15. Rapid and frequent transport boardings for the 12 months to December 2021 decreased at a slower rate (17.7 per cent) than overall patronage (17.9%). Recovery on the rapid and frequent network has generally been slower than overall recovery, likely due to factors such as increased working from home by those working in the city centre; an area largely serviced by rapid and frequent services. This slow recovery has been exacerbated by rail disruption and ongoing COVID-19 restrictions.
- 16. Year to date PT punctuality was 97.9%, meeting the SOI target of 96.0 per cent.
- 17. The PT farebox recovery ratio was 22.7% in December 2021, below the target range of 30 to 34%. Reduced patronage due to ongoing COVID-19 restrictions, and subsequent KiwiRail works have significantly impacted the performance against this indicator.

#### Cycling

- 18. Tamaki Drive cycleway (2.3km) opened to the public in mid-December 2021 and will achieve final completion and formally launch at the end of January 2022, when will include it in our statistics. New Lynn to Avondale cycleway (2.9km) has been delayed by COVID-19 and design changes but is on track to be delivered at the end of March 2022.
- 19. Cycle movements for the 12 months to December 2021 totalled 3,247,326 a decrease of 11.4% on the 12 months to December 2020. The monthly count of 234,184 is 23.1% below the projected trajectory to meet the SOI target for FY2021/22 of 3,670,000 Increased working from home and ongoing COVID-19 restrictions.

#### Best use of the transport network

- 20. The rolling average AM peak arterial productivity was 31,577 for the 12 months to December 2021, exceeding the SOI target of 30,000. Road productivity is a measure of the efficiency of the road in moving people during the peak hour. It is measured as the product of number of vehicles (including buses), their average journey speed and average vehicular occupancy (number of people in vehicles (split between buses and cars) multiplied by the average speed of the vehicles). December 2021 productivity was 32,513, 2% above the December 2020 result. This is mainly due to ongoing COVID-19 restrictions and the accompanying lower rates of travel.
- 21. The average proportion of the freight network operating efficiently during the inter-peak was 93% for the 12 months to December 2021, exceeding the SOI target of 90%.
- 22. The 12-month rolling average for travel speed level of service (LOS) was 78.9% for December 2021. Ongoing COVID-19 restrictions will have an impact on this measure going forward, likely increasing the LOS due to less traffic on the roads.





#### Asset renewals and customer service

- 23. This Financial Year, 122.2 km of local roads have been resurfaced or rehabilitated, which is below the trajectory to meet the end of year target. This Financial Year, the SOI target is to resurface/rehabilitate 415 km of the local road network.
- 24. The percentage of customer service requests relating to roads and footpaths that receive a response within AT's specified times was 80% in December 2021. The 12-month rolling average to December 2020 is 93.9%, exceeding the SOI target of 85%.

#### **Summary of performance against SOI Measures**

25. Table 1 provides a summary of performance against SOI targets.

Table 1: Performance against SOI targets					
Strategic Transport Priorities	<u>Target</u> <u>exceeded</u>	Target met	Target not met	Not reported	<u>Total</u>
Making Auckland's Transport System Safe by Eliminating Harm to People	0	0	4	0	4
Improving the Resilience and Sustainability of the Transport System and Significantly Reducing the Greenhouse Gas Emissions It Generates	0	0	0	3	3
Providing and Accelerating Better Travel Choices for Aucklanders	0	2	4	3	9
Better Connecting People, Places, Goods and Services	2	0	0	0	2
Our Operating Model is Adaptive, Financially Sustainable and Delivers Value	0	0	2	4	6
Providing Excellent Customer Experiences	1	1	1	1	4
Collaborating with Funders, Partners, Stakeholders and Communities	0	0	0	1	1
Total	3	3	11	12	29

### Ngā tūraru matua / Key risks and mitigations

26. There are no risks associated with accepting this report.





#### Ngā ritenga-ā-pūtea me ngā rauemi / Financial and resource impacts

27. There are no financial or resource impacts associated with this report.

# Ngā whaiwhakaaro ō te taiao me te panonitanga o te āhuarangi / Environment and climate change considerations

28. There are no environment or climate impacts associated with this report.

#### Ngā whakaaweawe me ngā whakaaro / Impacts and perspectives

29. There are no impacts associated with this report.

#### Ngā whaiwhakaaro haumaru me ngā whaiwhakaaro hauora / Health, safety and wellbeing considerations

30. There are no health, safety or wellbeing impacts associated with this report.

#### Ā muri ake nei / Next steps

31. The December Monthly Indicators Report will be submitted to the board in February 2021.

# Te whakapiringa / Attachment

Attachment number	Description
1	Auckland Transport Monthly Indicators Report 2020/21 – December 2021





# Te pou whenua tuhinga / Document ownership

Submitted by	Hamish Bunn Group Manager Integrated Network Planning, Policy & Sustainability Hamish Bunn	Madi Salter Transport Planner, Integrated Network Planning
Recommended by	Jenny Chetwynd Executive General Manager Planning & Investment	*
Approved for submission	Shane Ellison Chief Executive	Resoi





# Auckland Transport Monthly Indicators Report 2021/22

December 2021





#### **Table of Contents**

#### 1. Summary of indicators

- 1.1 SOI performance measures
- 1.2 Patronage summary

#### 2. Monthly indicators by Strategic Objective

- 2.1 Making Auckland's transport system safe by eliminating harm to people
- 2.2 Improving the resilience and sustainability of the transport system and significantly reducing the greenhouse gas emissions it generates
- 2.3 Providing and accelerating better travel choices for Aucklanders
- 2.4 Better Connecting People, Places, Goods and Services
- 2.5 Our operating model is adaptive, financially sustainable and delivers value
- 2.6 Providing excellent customer experiences
- 2.7 Collaborating with funders, partners, stakeholders and communities

# 1.1 SOI performance measures

Strategic Objective	Measure	SOI 2021/22 Target	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Current Performance	Reference Page
	Number of high risk intersections and sections of road addressed by Auckland Transport's safety programme	7													1	Page 7
Making Auckland's	The change from the previous financial year in the number of deaths and serious injuries on the local road network, expressed as a number.	524													12 Month rolling total: 545	Page 7
transport system safe by eliminating harm to people	Reduction in the number of deaths and serious injuries on Tāmaki Makaurau's road network	573													12 Month rolling total: 620	Page 7
	Number of vulnerable road user deaths and serious injuries on Tāmaki Makaurau's road network, in line with Vision Zero Strategy, expressed as a number of DSI saved compared to the baseline (2016-18) of 320.	256													12 Month rolling total: 270	Page 7
Improving the	Number of buses in the Auckland bus fleet classified as low emission	28													December 2021: 34	Page 8
resilience and sustainability of	Percentage of Auckland Transport streetlights that are energy efficient LED	80%													Not yet reported this financial year	Page 8
the transport system	Percentage reduction of greenhouse gas emissions from AT's corporate activities and assets (baseline 2018/19)	6%													Not yet reported this financial year	Page 8
	Total public transport boardings (millions)	82.00													12 Month rolling total: 50.42	Page 9
	Total rail boardings (millions)	18.65													12 Month rolling total: 8.82	Page 10
	Boardings on rapid or frequent network (rail, busway, FTN bus)	Increase at faster rate than total boardings													Increasing at a faster rate than total boardings	Page 9
	PT punctuality (weighted average across all modes)	96%													12 Month rolling total: 97.9%	Page 12
Providing and accelerating better	Kilometres of safe cycling facilities added or upgraded that is located on the Cycle & Micromobility Strategic Network.	12.8km													YTD total: 0.0 km	Page 14
travel choices for Aucklanders	Number of cycle movements past 26 selected count sites (millions)	3.67													12 Month rolling total: 3.25 million	Page 14
	Active and sustainable transport mode share at schools where the Travelwise programme is implemented	47%													Not yet reported this financial year	Page 14
	Sustainable mode share (including active modes, public transport and working from home) for morning peak commuters where a Travelwise Choices programme is implemented	47%													Not yet reported this financial year	Page 14
	Percentage of key signalised intersections in urban centres where pedestrian delays are reduced during the interpeak period.	60%													Not yet reported this financial year	Page 14

# 1.1 SOI performance measures

Key Priority	Measure		SOI 2021/22 Target	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Current Performance	Reference Page
Better connecting people, places,	Average AM peak arterial productivity	/	30,000													12 Month rolling total: 31,577	Page 15
goods and services	Proportion of the freight network operating at Service C or better during the inter-pea		90%													12 Month rolling total: 93%	Page 19
	PT farebox recovery		30% - 34%													December 2021: 22.68%	Page 23
Our operating	Percentage of road assets in acceptable cond defined by AT's AMP)	dition (as	92%													Not yet reported this financial year	Page 24
model is adaptive, financially	Road maintenance standards (ride quality) as		Rural: 88%													Not yet reported this financial year	Page 24
sustainable and delivers value	by smooth travel exposure (STE) for all urban and rural roads		Urban: 78%													Not yet reported this financial year	Page 24
	Percentage of footpaths in acceptable condition (as defined by AT's AMP)		95%													Not yet reported this financial year	Page 24
	Percentage of the sealed local road network resurfaced	that is	6.0%													YTD: 122.2km (1.8% of the local road network)	Page 23
	Percentage of public transport passengers sat their public transport service	isfied with	85% - 87%													Not yet reported this financial year	Page 25
Providing excellent customer	Percentage of customer service requests relating to roads and footpaths which receive a response within specified time frames		85%													12 Month rolling total: 93.9%	Page 27
experiences	Percentage of total AT case volume resulting in a formal complaint (baseline of 0.77% for 2020 calendar year).		Less than 0.75%													December 2021: 0.57%	Page 27
	Percentage of formal complaints that are resolved within 20 working days (baseline of 79% for 2020/21)		80%													December 2021: 73%	Page 27
Collaborating with funders, partners, stakeholders and communities	Elected member perception measures	S	Maintain and/or improve elected member overall satisfaction													This FY, AT is finding a baseline. Next FY, we will be able to comment on this measure's progress	Page 28

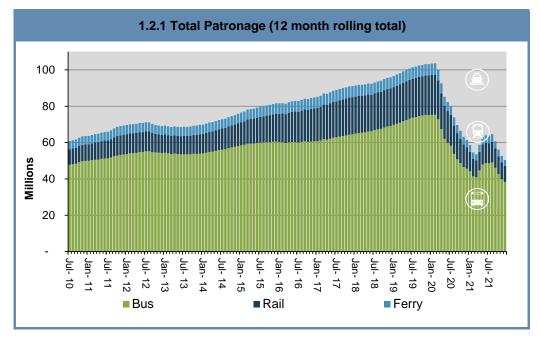
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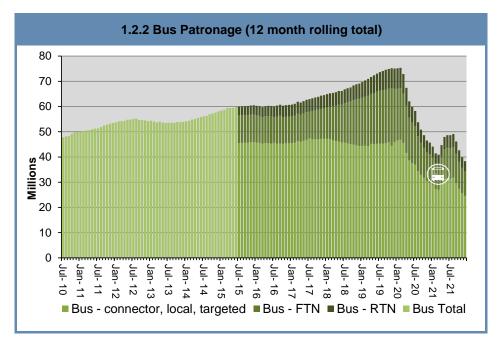
On target to exceed performance measure (more than 2.5% above target)
On target to meet performance measure (within +/- 2.5% of target)
Not on target to meet performance measure (more than 2.5% below target)

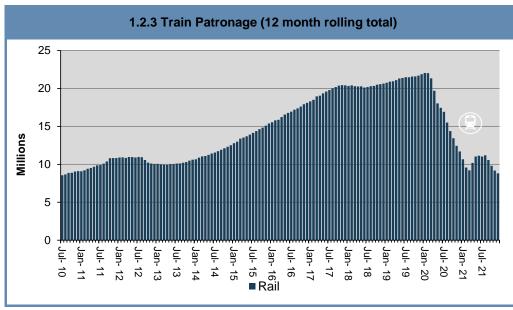
# 1.2 Patronage summary

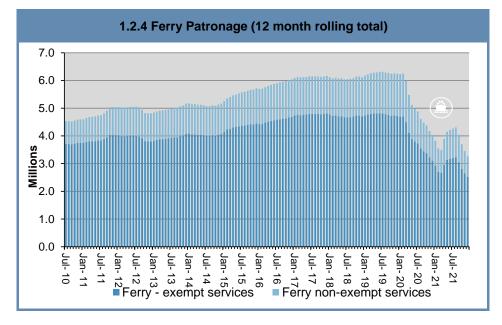
		December- 2021/22												
					Act	ual v SOI								
		Mo	onth				TD		SOI / Target	Projected				
	Actual	% Change	SOI / Target	% Variance	Actual	% Change Prev Year	SOI / Target	% Variance	2021/22	Forecast 2021/22				
1. Bus Total:	2,175,821	<b>-41.6%</b>	3,748,000	<b>-41.9%</b>	12,857,117	<b>⊎</b> -44.5%	3,748,000	<b>1</b> 243.0%	57,538,000	45,250,000				
2. Train (Rapid) Total:	444,939	<b>-44.3%</b>	1,322,000	<b>-66.3%</b>	3,060,136	<b>♦</b> -43.0%	1,322,000	<b>131.5%</b>	18,652,000	11,250,000				
3. Ferry (Connector Local) Total:	246,057	<b>-43.9%</b>	387,300	<b>-36.5%</b>	1,029,175	<b>₩</b> -48.0%	387,300	<b>165.7%</b>	5,810,000	4,118,518				
Total Patronage	2,866,817	<b>⊎</b> -42.2%	5,457,300	<b>-47.5%</b>	16,946,428	<b>⊎</b> -44.5%	5,457,300	♠ 210.5%	82,000,000	60,618,518				
Rapid and Frequent	1,182,274	<b>∳</b> -43.0%	2,400,000	<b>⊎</b> -50.7%	7,641,406	<b>⊎</b> -46.1%	2,400,000	<b>18.4%</b>	31,000,000	24,110,149				
		December- 2021/22												
		N	Ionth Patrona	ige			12 Month	Patronage			YTD (from Ju	ıly)		
	This Year	Previous Year	# Change	% Change	Normalised % Change Prev Year	Patronage	% Change Prev Month	Change Prev Year	% Change Prev Year	Patronage	Change Prev Year	% Change Prev Year	Prev Fin YTD	
1. Bus Total:		3,708,305		-41.3%	-41.3%	38,189,078		-7,185,004	-15.8%		-10,294,496			
- Busway (Rapid) Bus	175,049	384,355	-209,306	-54.5%		3,961,737		-579,710	-12.8%	1,232,224	-1,091,441			
- Frequent Bus	562,286	889,497	-327,211	-36.8%		9,792,111		-1,394,035	-12.5%	3,349,046	-2,222,810			
- Connector Local Targeted Bus	1,438,486	2,434,453	-995,967	-40.9%		24,435,230		-5,211,259	-17.6%	8,225,499	-6,980,245			
2. Train (Rapid) Total:	444,939	793,566	-348,627	-43.9%	-43.9%	8,704,143	-3.9%	-2,829,537	-24.5%	3,026,283	-2,293,879			
- Western	148,281	266,731	-118,450	-44.4%		2,889,972	-3.9%	-1,199,144	-29.3%	1,023,990	-861,290			
- Eastern	136,338	255,124	-118,786	-46.6%		2,430,771		-885,206	-26.7%	868,002	-728,190			
- Onehunga	25,794	45,432	-19,639	-43.2%		458,491		-146,406	-24.2%	154,404	-110,641			
- Southern	124,687	214,846	-90,159	-42.0%		2,748,270		-537,727	-16.4%	914,400	-563,965			
- Pukekohe	9,838	11,432	-1,594	-13.9%		176,639		-61,053	-25.7%	65,487	-29,793			
3. Ferry (Frequent & Connector Local) Total:		92,695	-71,171	-76.8%	-76.8%	738,658	-8.8%	-196,109	-21.0%	193,352	-302,087		-61.0%	
- Contract	21,524	92,695	-71,171	-76.8%		738,658	-8.8%	-196,109	-21.0%	193,352	-302,087			
Patronage (Excl Exempt Serv/Spl Evts)	2,642,284	4,594,566	-1,952,282	-42.5%	-42.5%	47,631,879	-3.9%	-10,210,650	-17.7%	16,026,404	-12,890,462	-44.6%	-44.6%	
Exempt Services	224,533	361,382	-136,849	-37.9%		2,645,293	-4.9%	-738,524	-21.8%	869,423	-683,963	-44.0%		
- Exempt Services - Bus	0	15,544	-15,544	-100.0%		120,079	-11.5%	-157,600	-56.8%	33,600	-37,340	-52.6%		
- Exempt Services - Ferry	224,533	345,838	-121,305	-35.1%		2,525,214	-4.6%	-580,924	-18.7%	835,823	-646,623			
Special Events	0	6,740				142,663	-4.5%	-49,062	-25.6%	50,601	-9,106			
- Special Events - Bus	0	994	-994			27,637	-3.5%	-6,329	-18.6%	16,748	6,867			
- Special Events - Rail	0	5,746	-5,746			115,026	-4.8%	-42,733	-27.1%	33,853	-15,973			
Total Patronage (Exempt Serv/Spl Evts)	224,533	368,122	-143,589	-39.0%		2,787,956	-4.9%	-787,586	-22.0%	920,024	-693,069	-43.0%		
Rapid & Frequent	1,182,274	2,073,169		-43.0%		22,573,087		-4,850,515	-17.7%	7,641,406	-5,624,126			
Connector Local Targeted	1,684,543	2,889,519		-41.7%		27,846,748		-6,147,721	-18.1%	9,305,022	-7,959,405			
Total Patronage	2,866,817	4,962,688	-2,095,871	-42.2%		50,419,835	-4.0%	-10,998,236	-17.9%	16,946,428	-13,583,531	-44.5%		
Bus	2.175.821	3,724,843	-1,549,022	-41.6%	-41.6%	38,336,794	-3.9%	-7,348,933	-16.1%	12.857.117	-10,324,969	-44.5%	-44.5%	
Rail	444,939	799,312	-354,373	-44.3%	-44.3%	8,819,169		-2,872,270	-24.6%	3,060,136	-2,309,852			
Ferry	246,057	438,533	-192,476	-43.9%	-43.9%	3,263,872	-5.6%	-777,033	-19.2%	1,029,175	-948,710			
Total Patronage		4,962,688		-42.2%	-42.2%	50,419,835		-10,998,236	-17.9%		-13,583,531			

#### 1.2 AT Metro Boardings breakdown

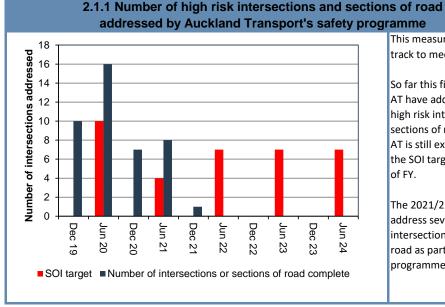








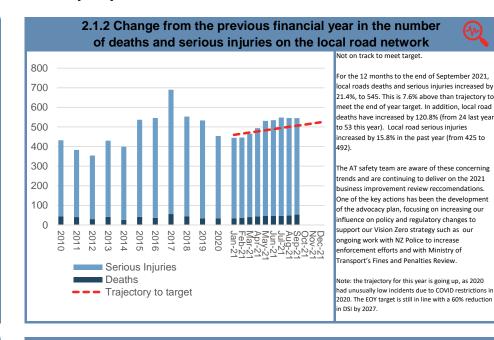
#### 2.1 Making Auckland's transport system safe by eliminating harm to people

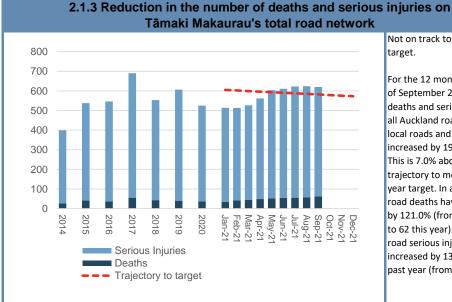


This measure is not on track to meet the target.

So far this financial year, AT have addressed one high risk intersection or sections of road. However. AT is still expected to meet the SOI target by the end of FY.

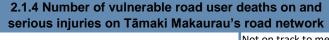
The 2021/22 target is to address seven high risk intersections or sections of road as part of the safety programme.





Not on track to meet the target.

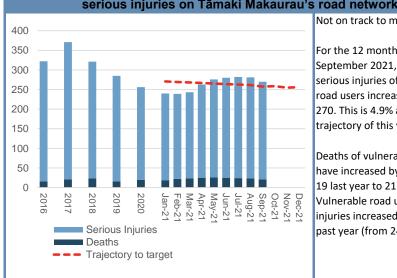
For the 12 months to the end of September 2021, the deaths and serious injuries on all Auckland roads (including local roads and highways) increased by 19.0%, to 620. This is 7.0% above the trajectory to meet the end of year target. In addition, all road deaths have increased by 121.0% (from 28 last year to 62 this year). All Auckland road serious injuries increased by 13.0% in the past year (from 492 to 558).



Not on track to meet the target.

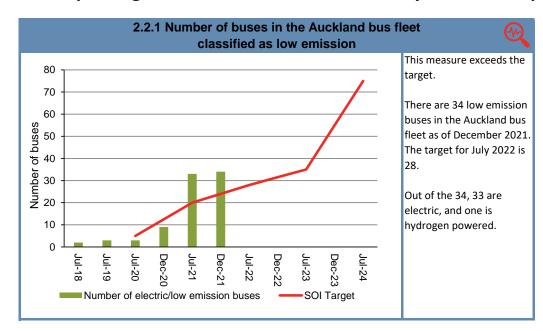
For the 12 months to the end of September 2021, deaths and serious injuries of vulnerable road users increased by 4.2%, to 270. This is 4.9% above the trajectory of this year's target.

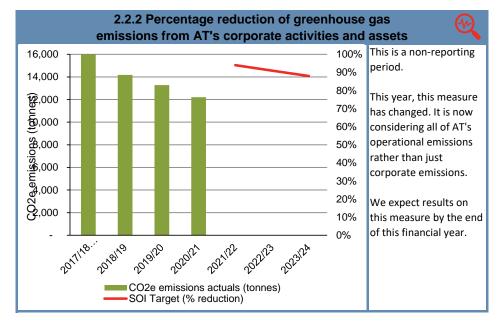
Deaths of vulnerable road users have increased by 10.5% (from 19 last year to 21 this year). Vulnerable road users serious injuries increased by 3.8% in the past year (from 240 to 249).

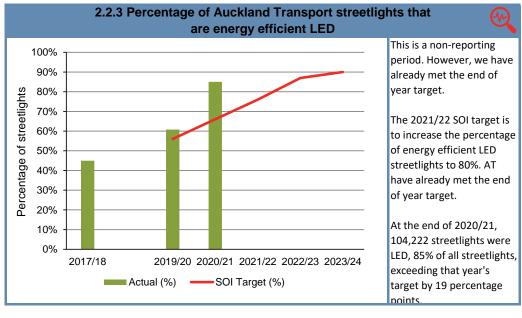


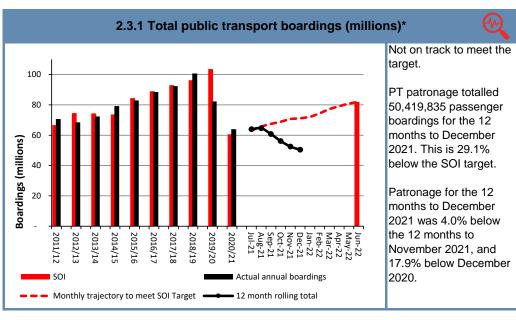


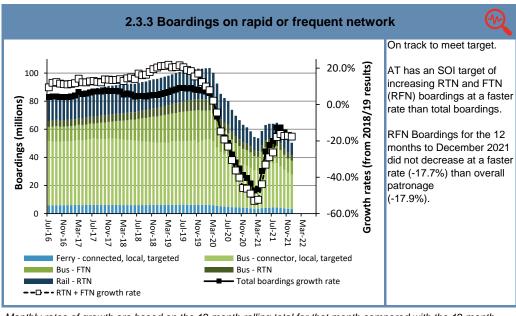
### 2.2 Improving the Resilience and Sustainability of the Transport System



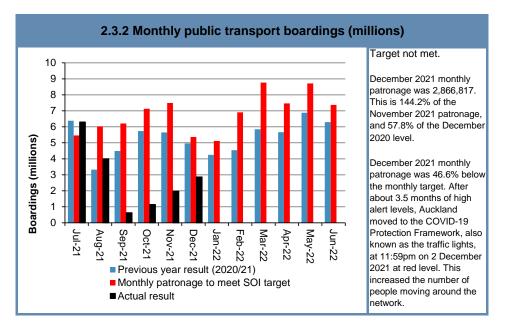


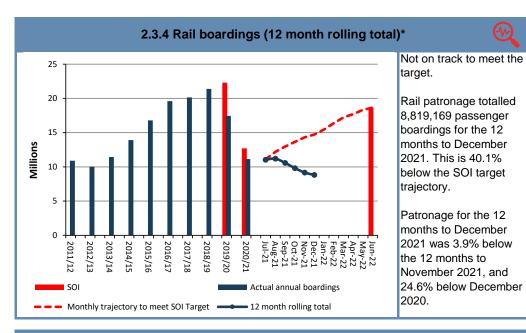


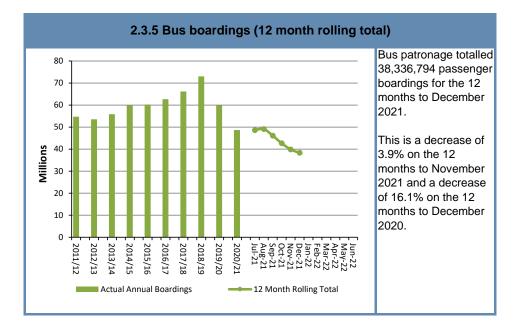


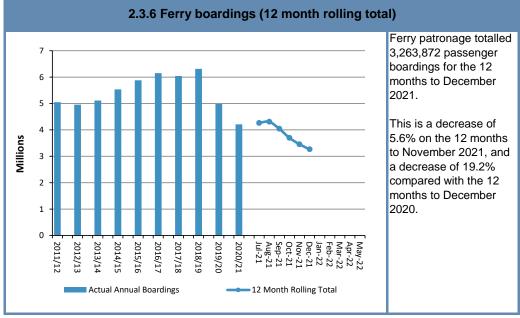


Monthly rates of growth are based on the 12 month rolling total for that month compared with the 12 month rolling total for the same month last year. This figure also shows 12 month rolling patronage totals.

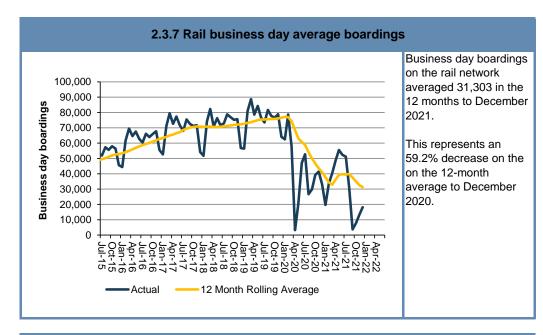


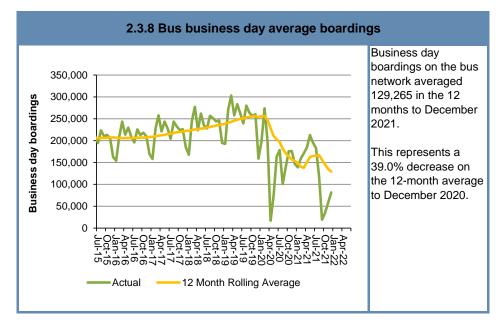


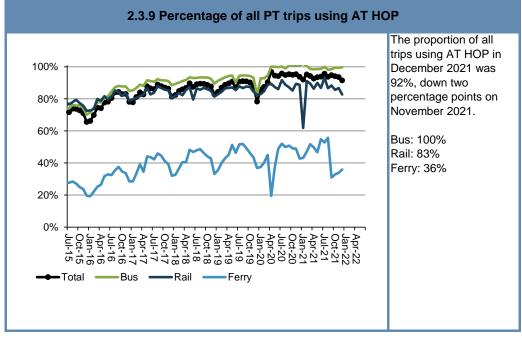


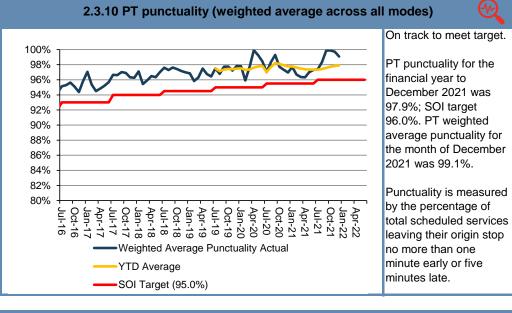


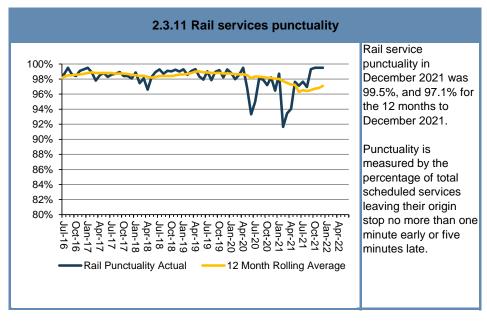
<sup>\*</sup> Note: in February 2021 the trajectory for total patronage and rail patronage has been corrected to more realistically reflect the expected trendline for this financial year, as the 12-month rolling total moves past the months of the 2020 lockdown. These updated trajectories better demonstrate the likelihood of meeting the end of year target.

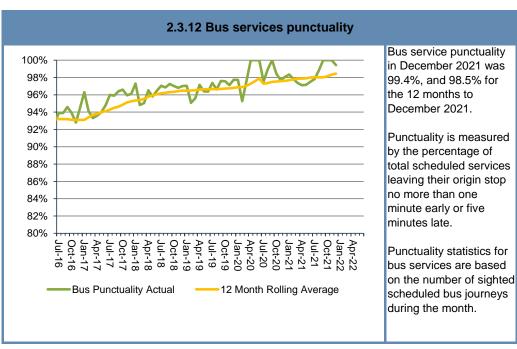


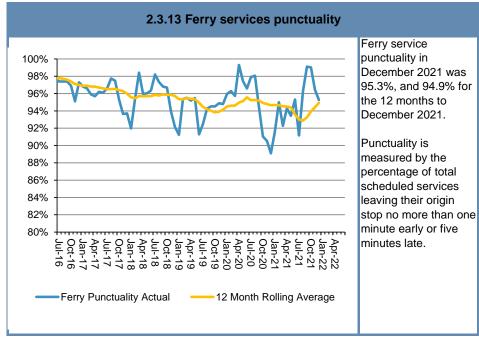


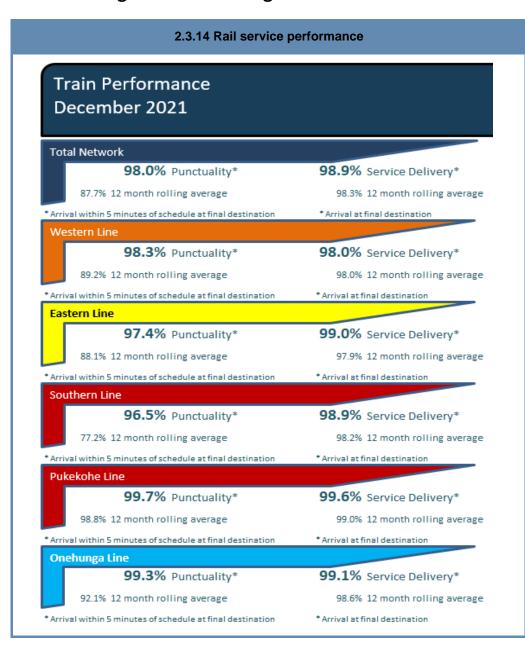


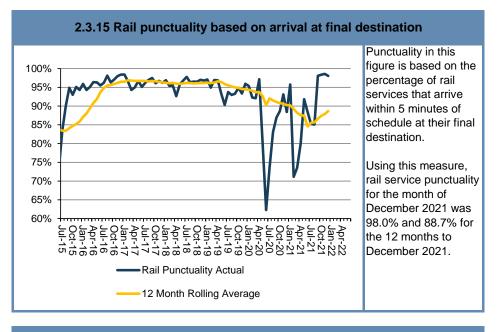


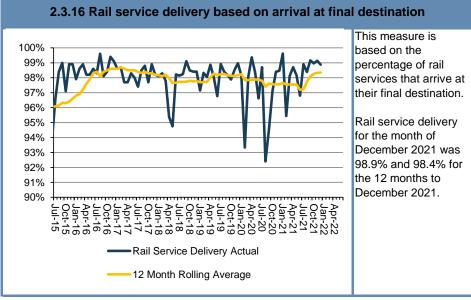


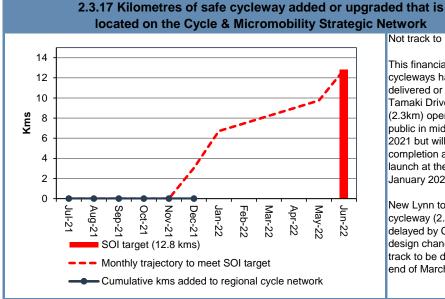












Not track to meet target

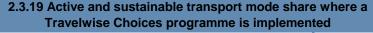
This financial year, no new cycleways have been delivered or upgraded. Tamaki Drive cvcleway (2.3km) opened to the public in mid-December 2021 but will achieve final completion and formally launch at the end of January 2021.

New Lynn to Avondale cycleway (2.9km) has been delayed by COVID and design changes but is on track to be delivered at the end of March 2021.

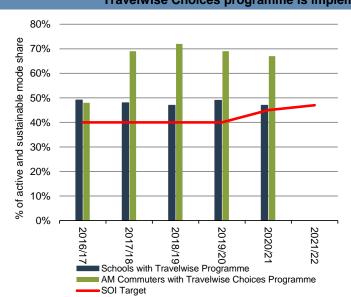
#### 2.3.18 Percentage of key signalised intersections in urban centres where pedestrian delays are reduced during the interpeak period.

This is a new measure in the Financial Year. It was intended to will be reported on for the first time in September.

However, to get the data, AT staff have to be on-site. Once AT staff are able to get onsite safely, this data will be reported on. It is likely that AT will be able to report on this measure in the March 2022 Quarter.







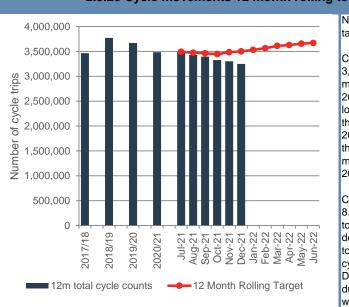
Reported at the end of the Financial Year.

In the 2020/21 financial vear, mode share was 47% for students and 67% for businesses enrolled in the travelwise programme commuting by means other than private vehicle use.

Please note results do not include those working from home.



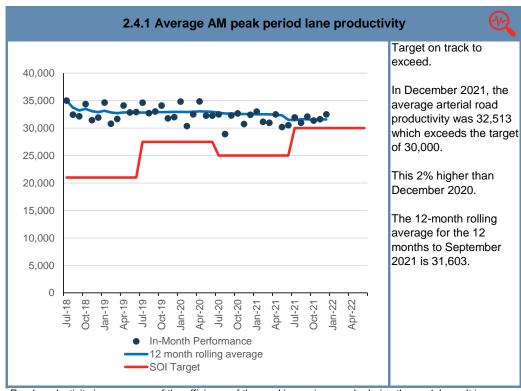




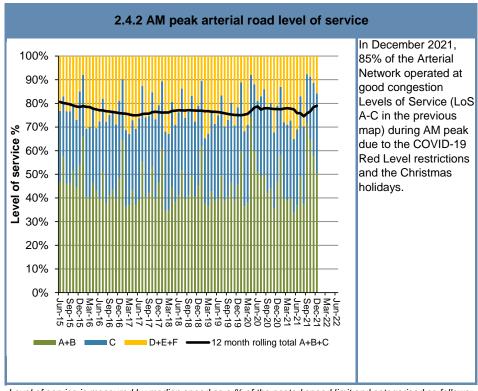
Not on track to meet target.

Cycle counts totalled 3,247,326 for the 12 months to December 2021. This is 23.1% lower than the target for the month of December 2021, and is 7.2% below the target for the 12 months to December 2021.

Cycle counts decreased 8.7% on the 12 months to September 2020. This decrease is mainly due to the lower number of cycling commuters in December 2021 mainly due to more people working from home.



Road productivity is a measure of the efficiency of the road in moving people during the peak hour. It is measured as the product of number of vehicles (including buses), their average journey speed and average vehicular occupancy. For urban arterials a value of 27,500 people-km/hour/lane is set as a target. This value has increased from the 2018/19 target due to the results exceeding target and is equivalent to the movement of approximately 900 vehicles travelling at a constant speed of 25km/h along the length of the arterial.



Level of service is measured by median speed as a % of the posted speed limit and categorised as follows:

A: 90% and greater

B: 70 - 90%

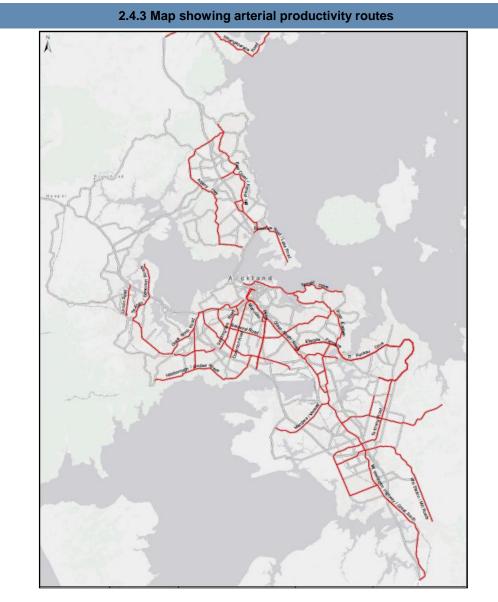
C: 50 - 70%

D: 40 - 50%

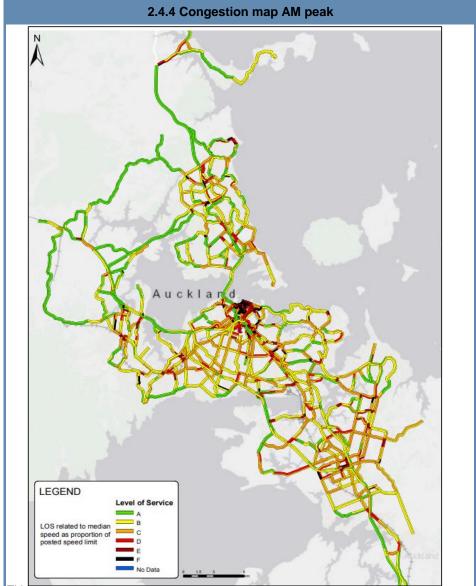
E: 30 - 40%

F: less than 30%

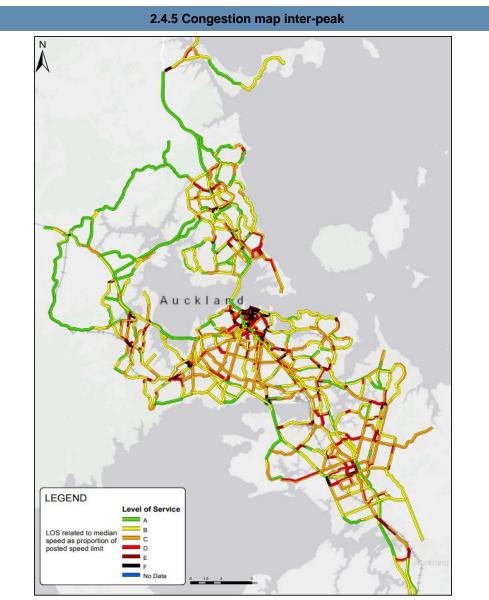
Level of service D-F broadly represent "congested" conditions.



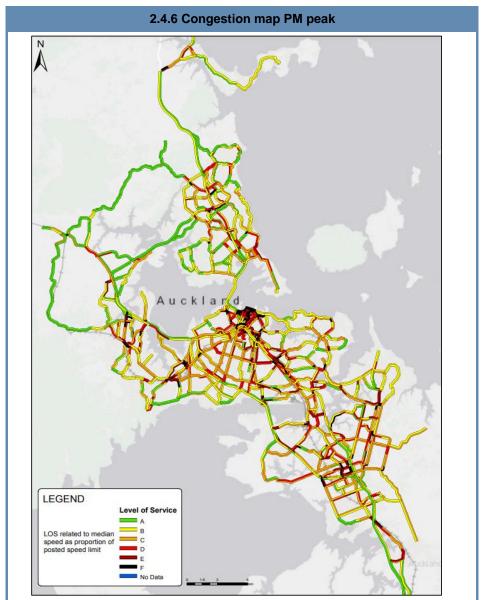
This map shows the 30 monitored arterial routes used to determine the average AM peak period lane productivity (2.4.1).



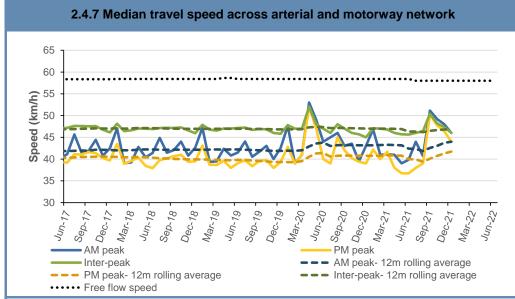
This map shows the typical level of service across the arterial and motorway networks during the AM peak hour (7.30–8.30) for December 2021. See the AM peak arterial road level of service graph (2.4.2) for an explanation of the levels of service.



This map shows the typical level of service across the arterial and motorway networks during the inter-peak period (9 am–4 pm) for December 2021. See the AM peak arterial road level of service graph (2.4.2) for an explanation of the levels of service.

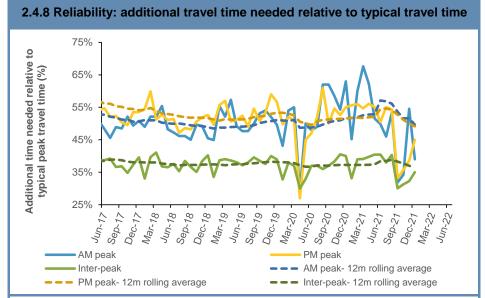


This map shows the typical level of service across the arterial and motorway networks during the PM peak hour (4.30–5.30) for December 2021. See the AM peak arterial road level of service graph (2.4.2) for an explanation of the levels of service.



The average AM peak vehicular travel speed in December 2021 was 46.0km/h, 2.0km/h lower than November 2021 and 3.0km/h higher than December 2019. The 12 month rolling average to December 2021 was 44.0 km/hr, 0.8 km/h higher than the 12 months to December 2020 (43.2 km/h).

This figure shows median travel speed across the arterial and motorway networks during the AM peak, interpeak and PM peak periods. The average free flow speed of 58.4 km/hr has been provided as a comparator.



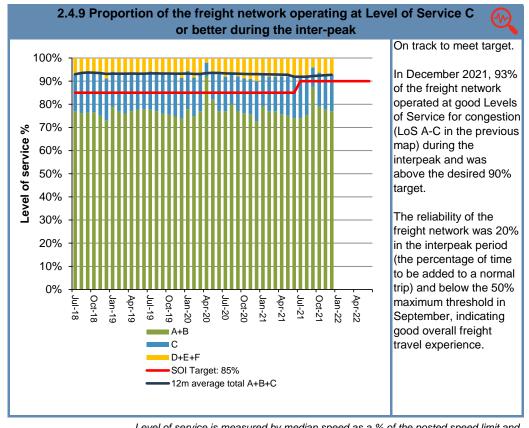
In the December 2021 AM peak, the 85th percentile travel time was 39.0% longer than the typical travel time. In the 12 months to December 2021, average AM peak reliability was 50.0%, two percentage points lower than the 12 months to December 2020 (52.0%).

PM peak reliability for the 12 months to December 2021 was 49.0%, 13 percentage points lower than the 12 months to December 2020 (52.0%).

This figure shows the difference between the typical (median) and the 85th percentile\* travel time, on the combined arterial and motorway network, for the AM peak, inter-peak and PM peak. This is a measure of reliability.

Reliability is a measure in percentage of how much variation a driver would experience from their day-to-day journey time in addition to a typical experience (median travel time), the smaller the percentage the better the reliability. Less than 50% additional travel time needed relative to typical travel time is regarded reliable in view of a driver's experience, 50%-70% is considered unreliable but tolerable and above 70% is deemed totally unreliable.

\*85% of all trips will take less time than the 85th percentile.



Level of service is measured by median speed as a % of the posted speed limit and categorised as follows:

A: 90% and greater

B: 70 - 90%

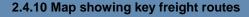
C: 50 - 70%

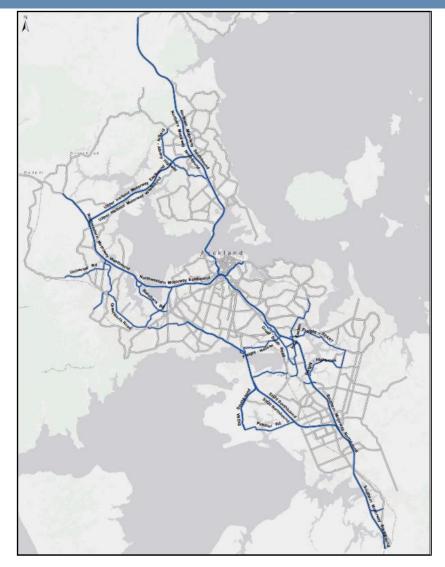
D: 40 - 50%

E: 30 - 40%

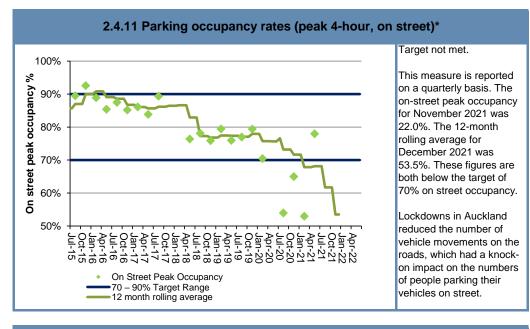
F: less than 30%

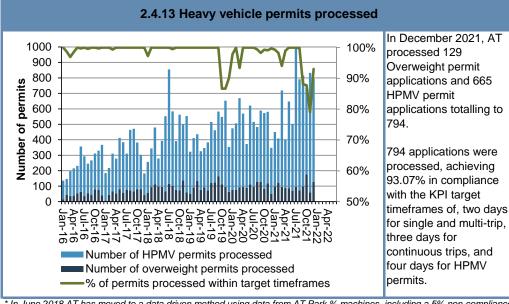
Level of service D-F broadly represent "congested" conditions.



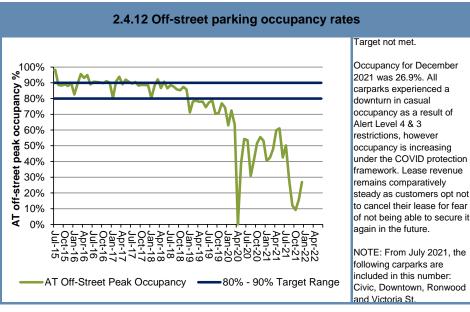


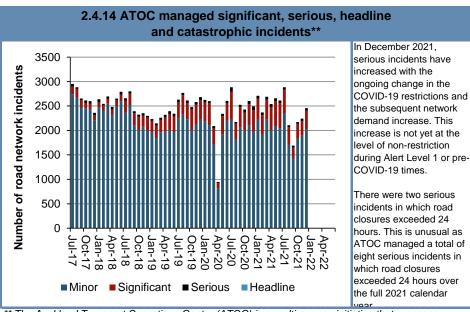
The freight network comprises key freight routes on key arterials and the Motorway network, as defined in the freight network map (above). The freight network Level of Service (LOS) is measured by average speed during the inter-peak period as a percentage of the posted speed limit for the freight network routes. LOS A, B and C represents efficient and stable traffic conditions with average travel speeds of at least 50% of the posted speed limit. At least 85% of the freight network is to operate at efficient levels.





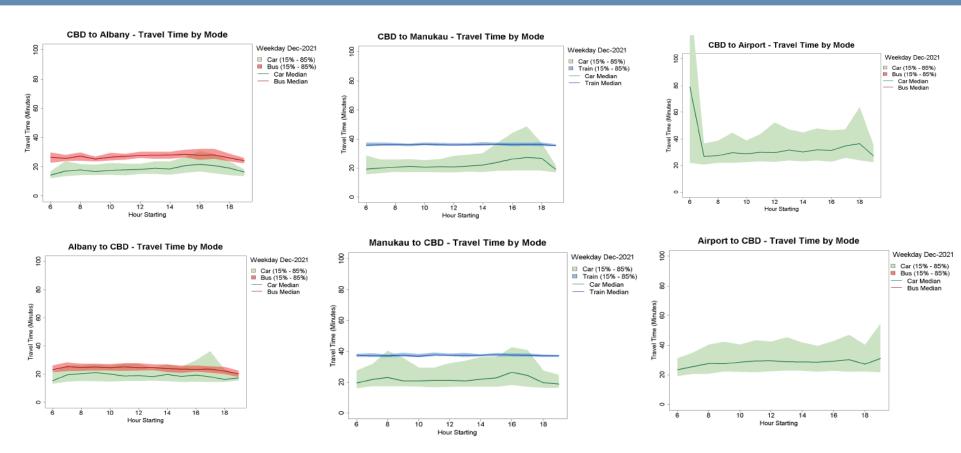
<sup>\*</sup> In June 2018 AT has moved to a data driven method using data from AT Park % machines, including a 5% non-compliance correction. The four-hour peak period is defined as the top four busiest hours of the day. These hours can vary depending on contributing factors. On-street parking occupancy is surveyed in three central city parking zone precincts: Shortland/High Street, Karangahape Road and Wynyard Quarter.



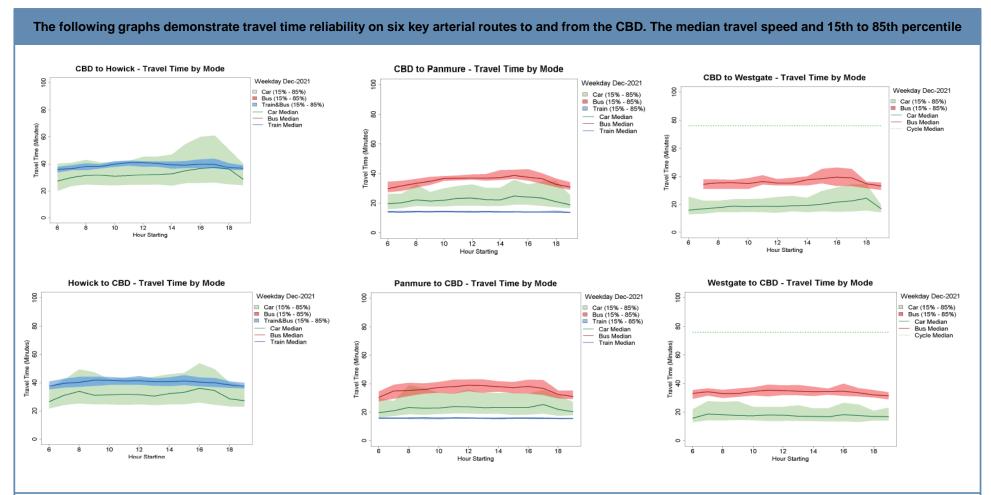


<sup>\*\*</sup> The Auckland Transport Operations Centre (ATOC) is a multi-agency initiative that manages incidents on both AT's local road and Waka Kotahi's state highway networks. The centre is responsible for managing incidents from Taupō to Cape Reinga.

The following graphs demonstrate travel time reliability on six key arterial routes to and from the CBD. The median travel speed and 15th to 85th percentile range for car is shown for each route, and bus, train or bus and train where relevant.

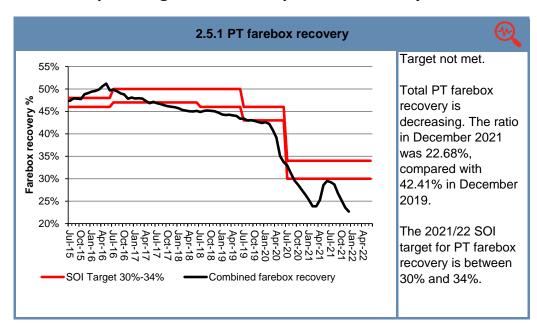


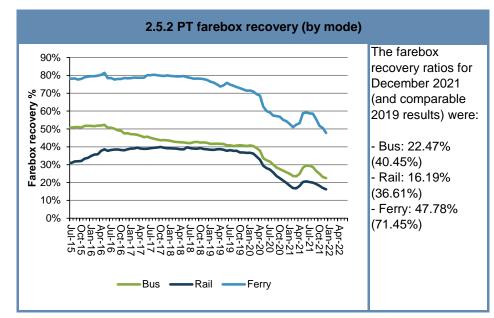
In December 2021, train and NEX travel (Rapid Transit Network) remained consistent throughout the day, and generally provided significant travel time savings for commuters during the peak periods. The NEX had a travel time saving of approximately up to 20 minutes between Albany and CBD during the AM and PM peaks. The train provided the most reliable travel time across all modes, and achieved significant travel time saving of up to 20 minutes across all journeys where train was an option, during peak periods.

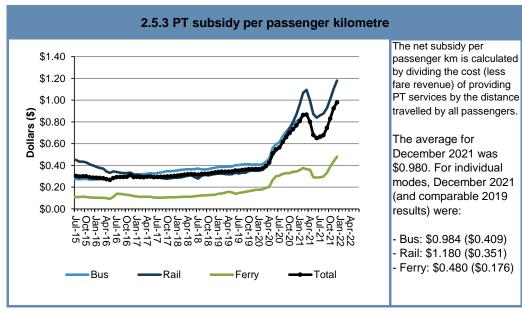


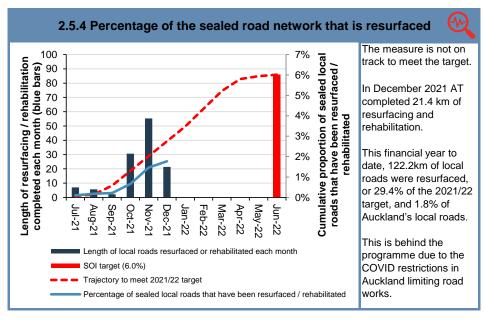
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#### 2.5 Our operating model is adaptive, financially sustainable and delivers value

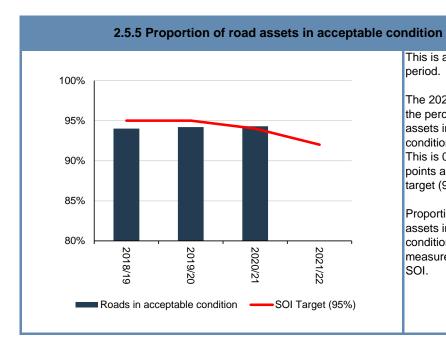








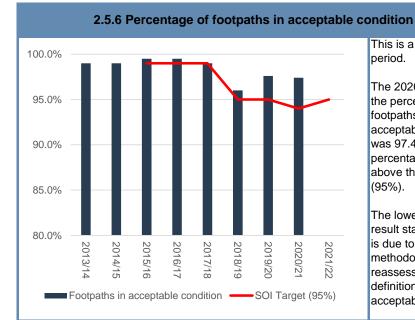
#### 2.5 Our operating model is adaptive, financially sustainable and delivers value



This is a non-reporting period.

The 2020/21 result for the percentage of road assets in acceptable conditions was 94.3%. This is 0.3 percentage points above the SOI target (94%).

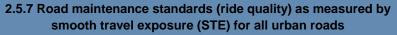
Proportion of road assets in acceptable condition was a new measure in the 2018/19 SOI.

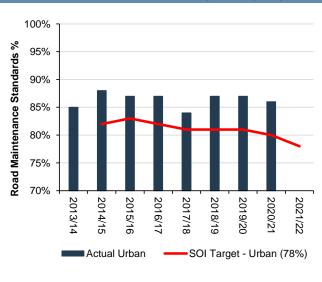


This is a non-reporting period.

The 2020/21 result for the percentage of footpaths in acceptable condition was 97.4%. This is 24 percentage points above the SOI target (95%).

The lower target and result starting 2018/19 is due to a change in methodology and a reassessment of the definition of acceptable condition.





This is a non-reporting period.

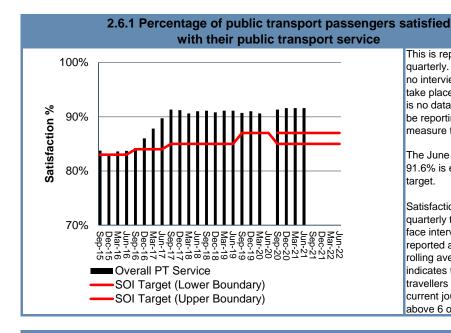
The 2020/21 result for road maintenance standards (ride quality) as measured by smooth travel exposure (STE) for all urban roads was 86%, exceeding the target and one percentage point lower than the previous year's result.

# 2.5.8 Road maintenance standards (ride quality) as measured by smooth travel exposure (STE) for all rural roads



This is a non-reporting period.

The 2020/21 result for road maintenance standards (ride quality) as measured by smooth travel exposure (STE) for all rural roads was 90%, equal to the target and four percentage points lower than the previous year's result.



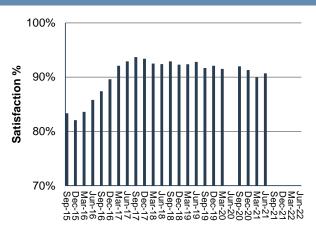
This is reported on quarterly. Due to COVID, no interviews were able to take place. Therefore, there is no data and AT will not be reporting on this

The June 2021 result is 91.6% is exceeding the target.

measure this quarter.

Satisfaction is measured quarterly through face-to-face interviews and reported as a 12-month rolling average. The result indicates the percentage of travellers rating their current journey with a score above 6 out of 10.

# 2.6.2 Percentage of passengers satisfied with their train service

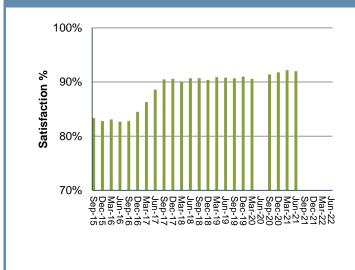


This is reported on quarterly. There is no December 2021 result due to the ongoing COVID-19 restrictions.

In June 2021, satisfaction with train services (90.7%) was 0.7 percentage point above the March 2021 result (90.0%).

There was no June 2020 result due to the COVID-19 Level 4 Lockdown.

#### 2.6.3 Percentage of passengers satisfied with their bus service

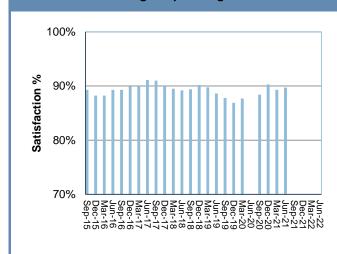


This is reported on quarterly. There is no December 2021 result due to the ongoing COVID-19 restrictions

In June 2021, satisfaction with bus services (92.0%) was 0.2 percentage points lower than the March 2021 result (92.2%).

There was no June 2020 result due to the COVID-19 Level 4 Lockdown.

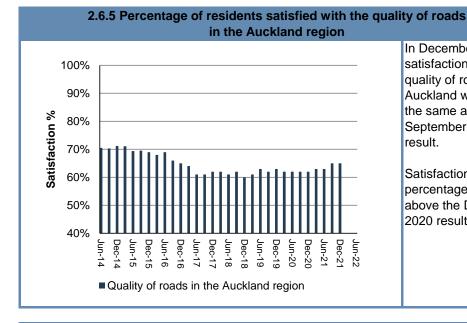
#### 2.6.4 Percentage of passengers satisfied with their ferry service



This is reported on quarterly. There is no December 2021 result due to the ongoing COVID-19 restrictions

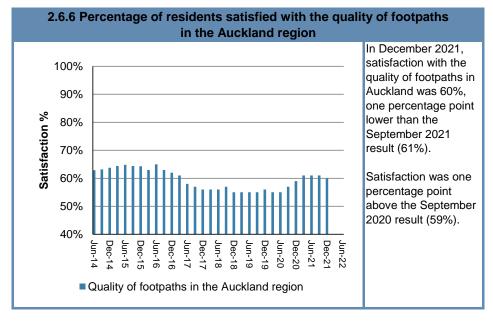
In June 2021, satisfaction with ferry services (89.7%) was 0.7 percentage point below above the March 2021 result (89.0%).

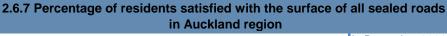
There was no June 2020 result due to the COVID-19 Level 4 Lockdown.



In December 2021, satisfaction with the quality of roads in Auckland was 65%, the same as the September 2021 result.

Satisfaction was three percentage point above the December 2020 result (62%).

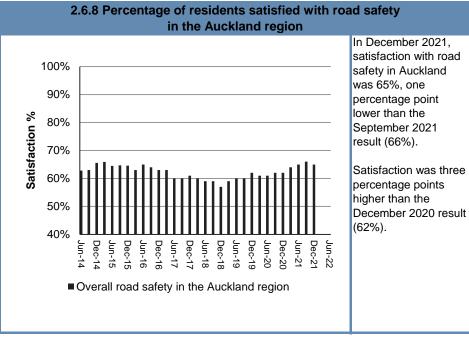


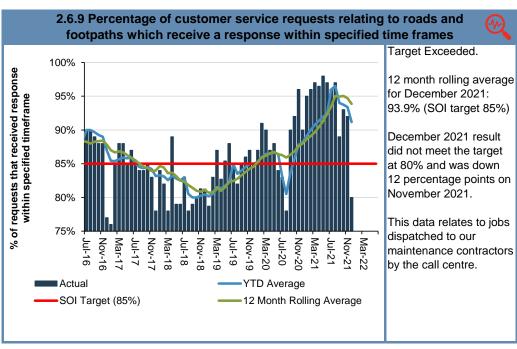


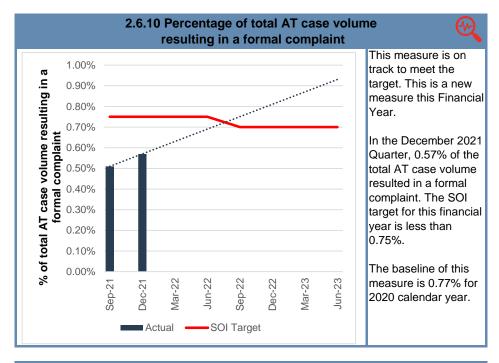


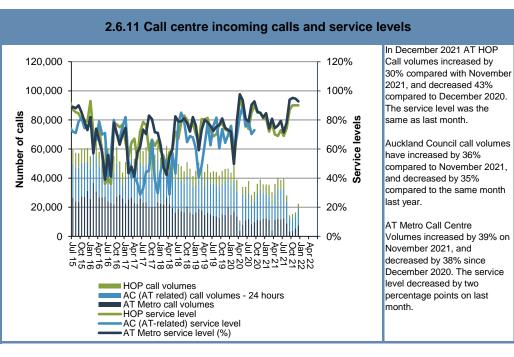
In December 2021. satisfaction with the surface of all sealed roads in Auckland was 65%, the same as the September 2021 result.

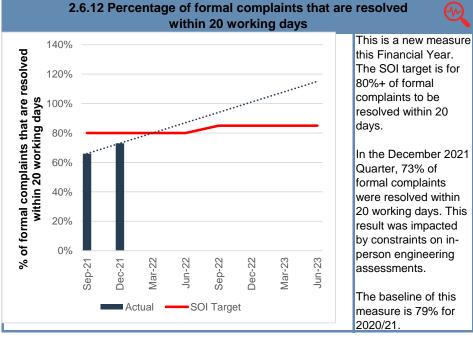
Satisfaction was one percentage points higher than the December 2020 result (64%).

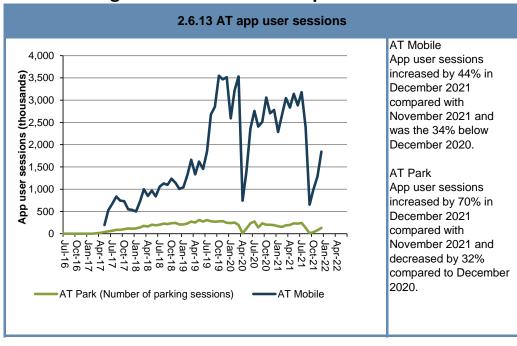


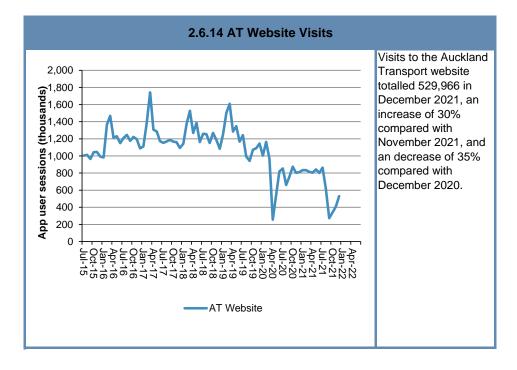




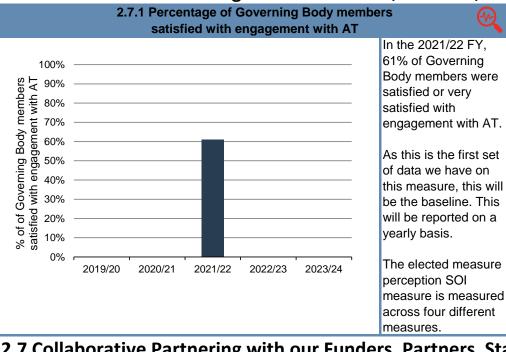


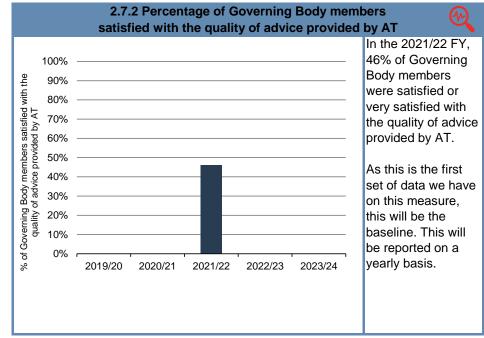




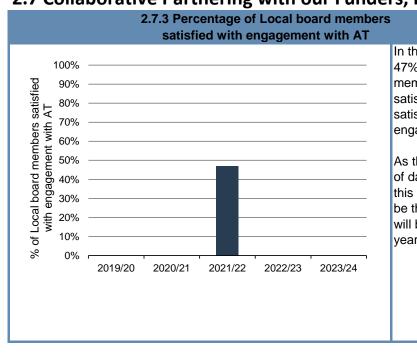


#### 2.7 Collaborative Partnering with our Funders, Partners, Stakeholders and Customers





# 2.7 Collaborative Partnering with our Funders, Partners, Stakeholders and Customers



In the 2021/22 FY, 47% of Local Board members were satisfied or very satisfied with engagement with AT

As this is the first set of data we have on this measure, this will be the baseline. This will be reported on a yearly basis.

