

Technical Note 52 – WRTM 2018 Update, 4 Stage Model Forecasts

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1 Introduction

The Waikato Regional Transportation Model (WRTM) suite includes:

- A 3-stage model of vehicle trips only which separately represents two-hour periods in the morning peak, interpeak, and evening peak periods.
- A 4-stage model of person trips which separately represents two-hour periods in the morning and interpeak periods. There is no PM peak 4-stage model.

Both models have been updated to reflect 2018 using input demographics from Census, and the 3-stage model has been tested in forecast mode and reported on.

This technical note documents forecasts from the 4-stage model. Aside from the bus assumptions, the inputs to the 4-stage model are identical to the 3-stage model.

Key relevant technical notes are:

- Technical Note 39 - validation of the 3-stage model
- Technical Note 47 – validation of the 4-stage model
- Technical Note 48 - 3-stage model forecasts
- Technical Note 49 (second version) – proposed future PT assumptions
- Technical Note 51 – WRTM Demographics Summary

Of relevance to the 4-stage model forecasts, Technical Note 48 (3-stage model forecasts) documents the future year road network, sources of the input demographic data, and the assumptions on the land use for the Auckland external attractor.

The bus assumptions in Technical Note 49 do not include the final changes requested by Hamilton City Council and Waikato Regional Council, which have been input to the WRTM. These are not comprehensively documented in this technical note, but the bus routes are available in GIS format.

Once the 3-stage model forecasts were operational, it was noted that the input demographics produced a reversal of tidal flow in some areas. While this could eventuate, it seemed unlikely and was hard to justify from a transportation planning perspective. The input demographics were therefore modified using judgement to address the tidal flow issue and are referred to as the “modified comprehensive demographics”. Both medium and high demographic datasets have been produced, and these are documented in Technical Note 51.

Results have been produced for the future years 2025, 2035, 2045, and 2055 using the high demographic inputs.

2 Input Bus Assumptions

2.1 Headways

From Technical Note 49, the headways by service type are shown in Table 2-1 below and by route in Table A-1 in Appendix A.

Table 2-1 : Bus Headways for WRTM

Service Types	Average Headway		Note
	AM	IP	
Hamilton Rapid – fully prioritised	5 mins	30 mins	Applies to Bus Rapid Transit (BRT)
Hamilton Rapid – some priority	10 mins	30 mins	Applies to BRT Lite
Hamilton Frequent	15 mins	30 mins	
Metro Frequent	20 mins	60 mins	
Hamilton Coverage	60 mins	60 mins (on demand)	

Service Types	Average Headway		Note
	AM	IP	
Metro Coverage	120 mins (on demand)	120 mins (on demand)	
Regional Coverage	120 mins (at least 1 return service)	N/A	Between regional towns
Targeted	120 mins (varies)	N/A	Generally school or commuting services
Connector	30 mins	30 mins	Source: Working Papers

2.2 Routes

The bus routes within the urban Hamilton area are shown in the following figures for 2035, 2045, and 2055. Year 2025 is not shown as it is predominantly the same as current (2024). The background maps are from OpenStreetMap, with the black lines showing the road network in the WRTM. The connector routes to the surrounding towns are not shown but are from the website (<https://www.busit.co.nz/>) with headways in Table A-1. It is acknowledged that it is difficult to see all the routes on the images – the shape files are available as required.

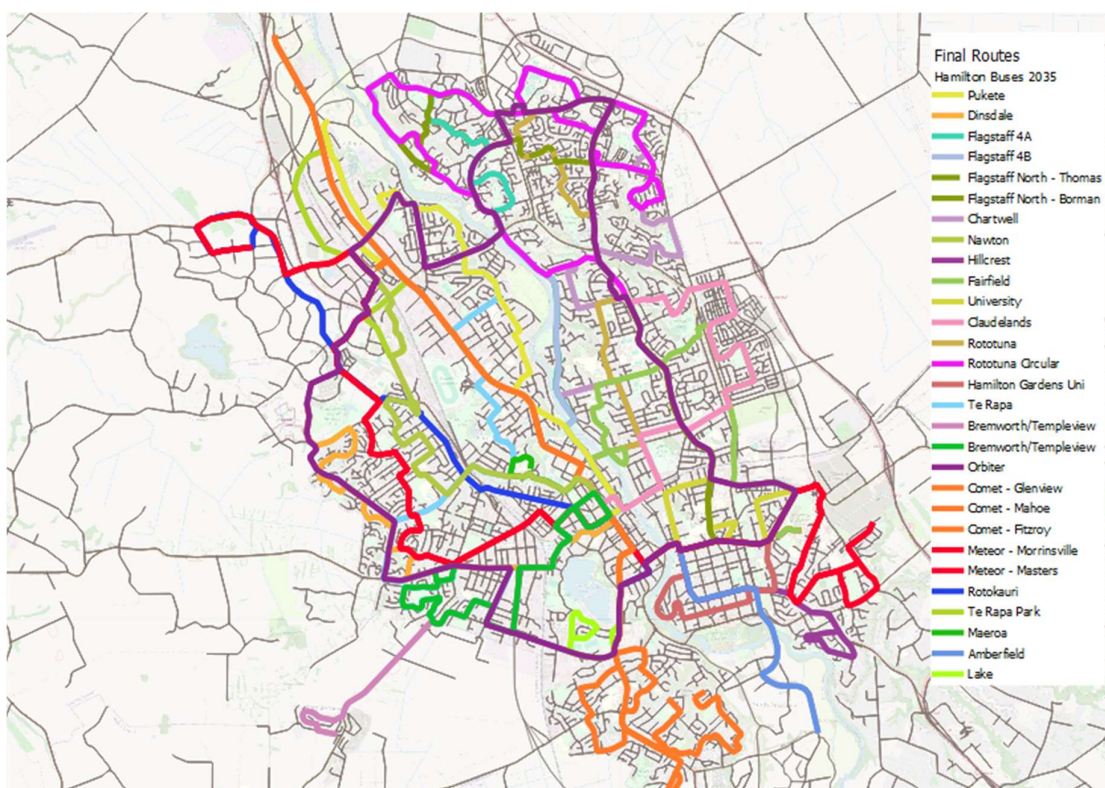


Figure 2-1: Hamilton Buses, 2035

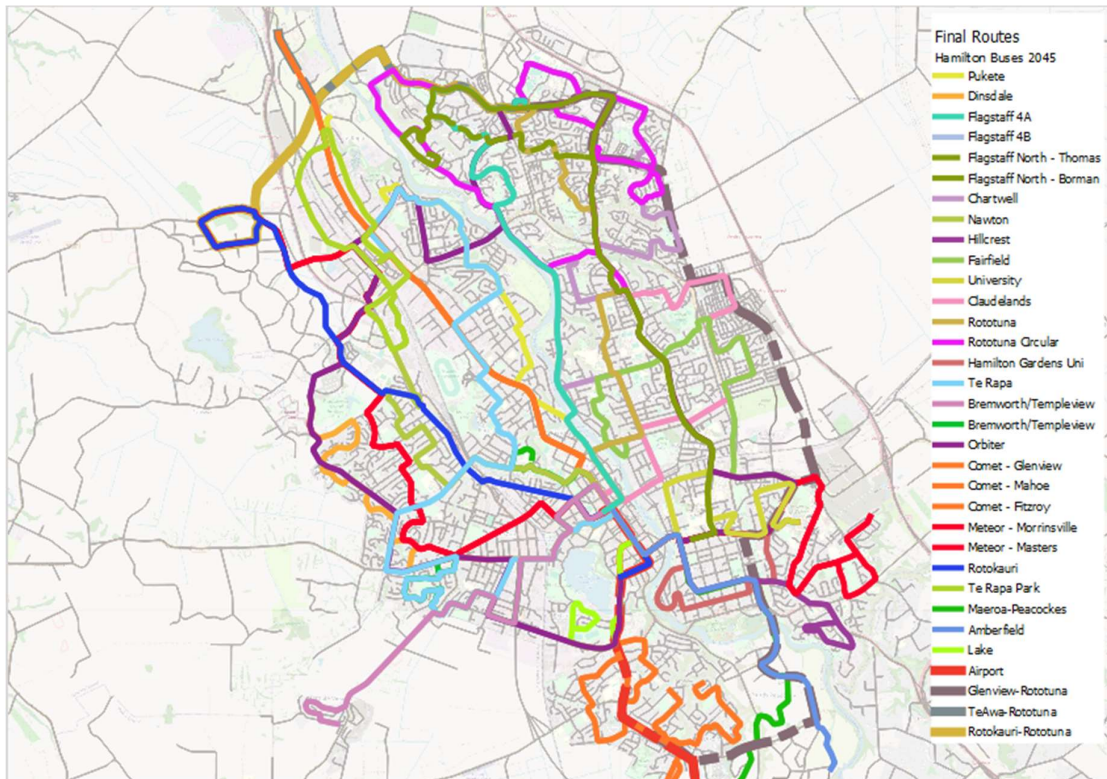


Figure 2-2: Hamilton Buses, 2045

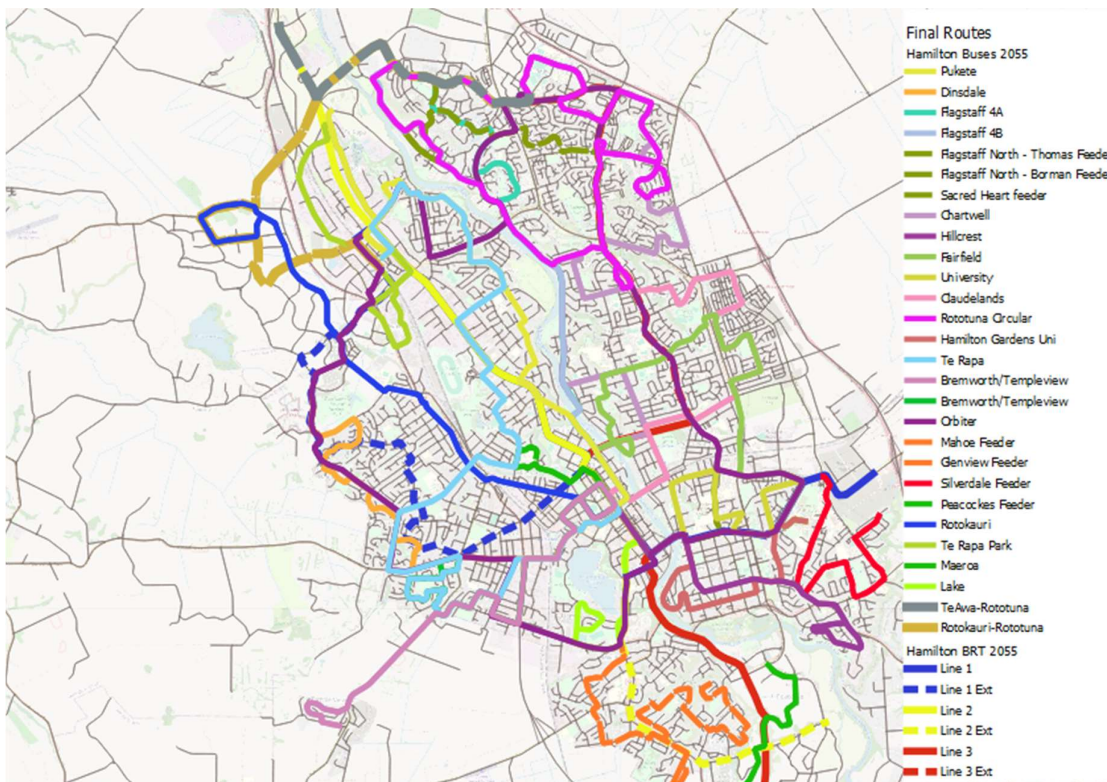


Figure 2-3: Hamilton Buses and BRT, 2055

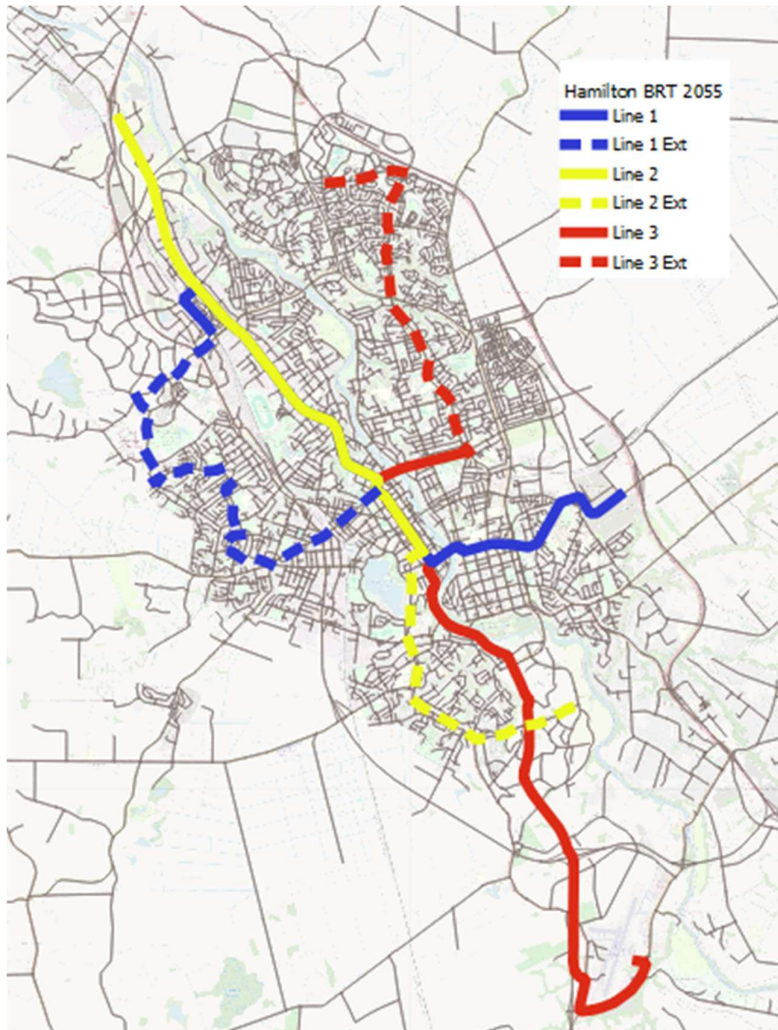


Figure 2-4: Hamilton BRT Only, 2055

It is noted that the BRT services are all modelled as "buses" albeit with specific coding to represent bus lanes. The WRTM therefore does not distinguish the unique characteristics of BRT (better quality boarding stations, improved in-vehicle seating and environment, etc) from standard buses, hence the BRT patronage is likely to be underestimated.

2.3 Fares

Bus fares have changed since 2018, with the introduction of the Bee Card in July 2020. Changes include both the dollar value and the system, with a zonal system now used. The fares described in this section are included in the WRTM from 2025 onwards.

The fare zone boundaries are shown in the diagram below (provided to Stantec).

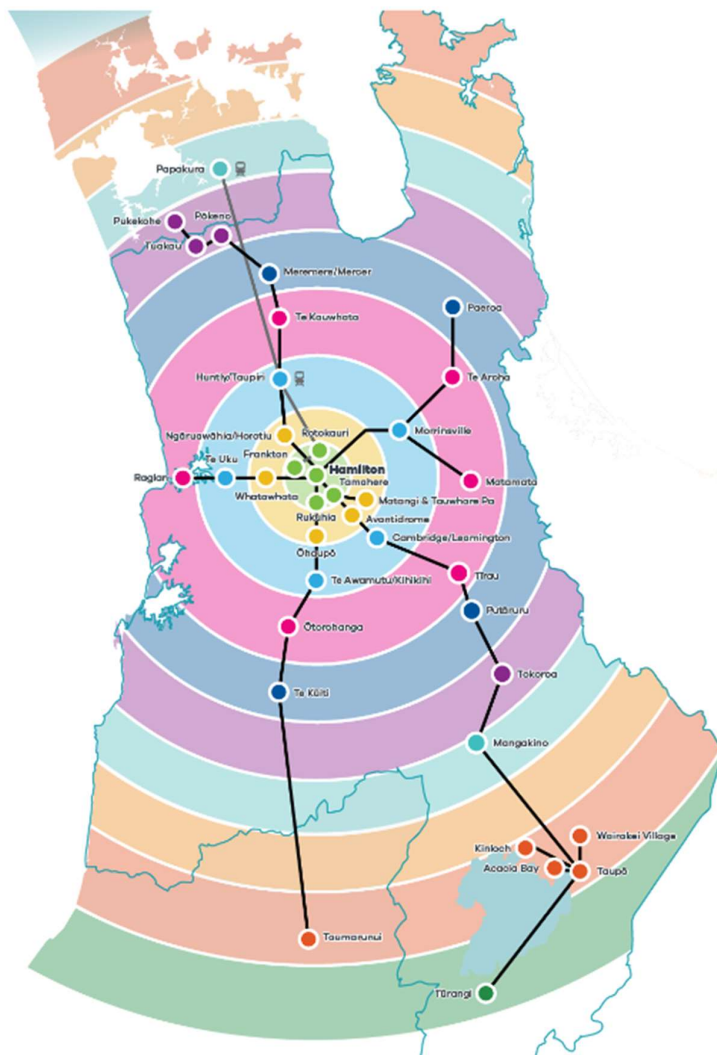


Figure 2-5: Fare Zones

The single journey fares from the website as of 1 July 2024 are shown below. "Concessions" refers to SuperGold Concession, "child" is under 5 years old, while "youth" is 5-18 year olds.

Table 2-2 : Bus Fares, 2024 (Source: website)

Fare Zones Travelled	Single Fares			
	Child and Concessions	Bee Card Youth and Community Connect Concession	Adult Bee Card	Cash
Central City Zone	\$0.00	\$0.60	\$1.20	\$4.00
1	\$0.00	\$1.20	\$2.40	\$5.00
2	\$0.00	\$1.80	\$3.60	\$6.00
3	\$0.00	\$2.40	\$4.80	\$7.50
4	\$0.00	\$3.00	\$6.00	\$8.50
5	\$0.00	\$4.80	\$9.60	\$14.50
6	\$0.00	\$6.00	\$12.00	\$18.00
7	\$0.00	\$7.20	\$14.40	\$24.00
8	\$0.00	\$9.00	\$18.00	\$30.00
9	\$0.00	\$10.80	\$21.60	\$36.00

The WRTM accepts a single fare for each number of zones travelled. To weight these fares together, Waikato Regional Council (WRC) supplied monthly usage data for September 2023 to April 2024 inclusive.

The table below shows the percentage of Bee Card versus cash fares. The average excluding December and January has been used, which is 3.5% of fares are cash. December and January were excluded as they appear to be outliers.

Table 2-3 : Proportion Bee Card vs Cash Fares (Source: WRC)

Fare Type	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Average (Excl Dec-Jan)
Bee Card Proportion	96%	96%	96%	95%	95%	97%	97%	97%	96.5%
Cash Proportion	4%	4%	4%	5%	5%	3%	3%	3%	3.5%

The proportion by sold ticket type is shown below, excluding December and January. The average for each type of ticket is shown, with the final column identifying the correspondence between ticket type and the single fares (produced by Stantec).

Table 2-4 : Proportion by Ticket Type (Source: WRC, Stantec for fare Type Correspondence)

Ticket Type	Sep-23	Oct-23	Nov-23	Feb-24	Mar-24	Apr-24	Average	Fare Type
Accessibility	9%	9%	9%	8%	8%	10%	8.8%	Child & Concessions
Adult	27%	28%	28%	28%	27%	30%	28.0%	Adult BeeCard
Card CCC	5%	5%	5%	4%	4%	5%	4.7%	BeeCard Youth and Community Connect Concession
Child	5%	5%	6%	7%	7%	6%	6.0%	Child and Concessions
Senior	2%	2%	2%	2%	1%	2%	1.8%	Child and Concessions
Supergold	11%	11%	12%	10%	10%	12%	11.0%	Child and Concessions
Tertiary	7%	7%	7%	2%	2%	3%	4.7%	BeeCard Youth and Community Connect Concession
Youth	26%	25%	24%	28%	29%	22%	25.7%	BeeCard Youth and Community Connect Concession
Youth Plus	8%	8%	8%	10%	11%	11%	9.3%	BeeCard Youth and Community Connect Concession

Combining the average proportions by ticket type, the fares included in the WRTM are shown in the table below.

Table 2-5 : Calculation of Modelled Fares

Fare Zones Travelled	Single Fares				WRTM Average Fares Used
	Child and Concessions	BeeCard Youth and Community Connect Concession	Adult BeeCard	Cash	
Proportion	26.7%	42.8%	27.0%	3.5%	
Central City Zone	\$0.00	\$0.60	\$1.20	\$4.00	\$0.72
1	\$0.00	\$1.20	\$2.40	\$5.00	\$1.34
2	\$0.00	\$1.80	\$3.60	\$6.00	\$1.95
3	\$0.00	\$2.40	\$4.80	\$7.50	\$2.59
4	\$0.00	\$3.00	\$6.00	\$8.50	\$3.20

Fare Zones Travelled	Single Fares				WRTM Average Fares Used
	Child and Concessions	BeeCard Youth and Community Connect Concession	Adult BeeCard	Cash	
Proportion	26.7%	42.8%	27.0%	3.5%	
5	\$0.00	\$4.80	\$9.60	\$14.50	\$5.15
6	\$0.00	\$6.00	\$12.00	\$18.00	\$6.44
7	\$0.00	\$7.20	\$14.40	\$24.00	\$7.81
8	\$0.00	\$9.00	\$18.00	\$30.00	\$9.76
9	\$0.00	\$10.80	\$21.60	\$36.00	\$11.72

3 Results

3.1 Bus Supply

A summary of the bus supply in the WRTM is tabulated below and illustrated in the following figure. The total frequency is the sum of the number of buses in each two hour modelled period, while the line kilometres (km) are the sum of the kilometres multiplied by the frequency of each service. This excludes deadhead kilometres.

Table 3-1 : Bus Supply Statistics

Year	Total Frequency Over Two Hours		Line KM Over Two Hours	
	AM	IP	AM	IP
2018	206	181	3,472	2,601
2025	208	152	4,313	3,154
2035	254	149	5,831	3,368
2045	294	173	6,156	3,575
2055	416	194	7,185	3,635

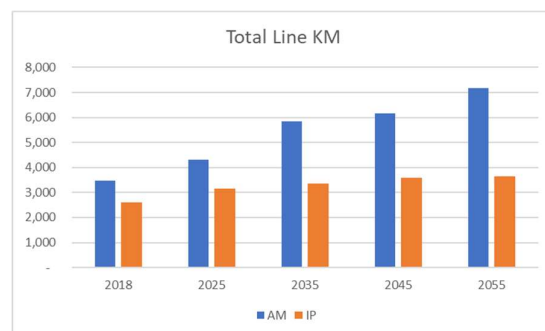
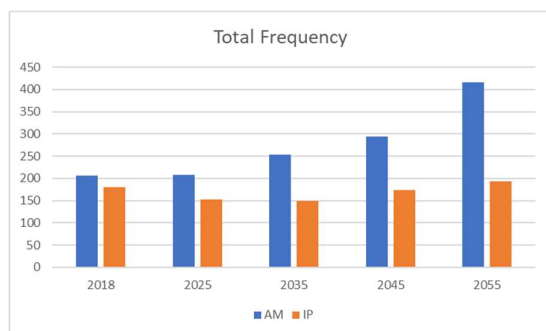


Figure 3-1: Total Frequency and Line-KM

For the AM peak, there is almost no increase in bus frequency between 2018 and 2025, but an increase in line-kilometres indicating greater coverage of the network. From 2035 onwards, the frequency and line-kilometres both increase. Just over half the bus numbers in 2055 is the BRT and BRT lite services, which operate at a five and ten minute headway respectively.

In the interpeak, the frequency drops from 2018 to 2025, and does not reach 2018 levels until after 2045. There is a notable increase in line-kilometres from 2018 to 2025, although the year-to-year increase tails off after that.

3.2 Modal Choice

Trips by mode and modal share are shown in the table below for the AM peak period for the entire Waikato model study area (Hamilton modal choice is provided separately in the following section). The data below represents two hours in duration.

Table 3-2 : AM Peak Trips by Mode and Modal Share

Year	AM Peak Trips					Modal Share			
	Car Driver	Car Passenger	Bus	Active	Total	Car Driver	Car Passenger	Bus	Active
2018	296,820	136,661	4,229	76,908	514,618	58%	27%	1%	15%
2025	329,847	153,550	8,593	84,961	576,951	57%	27%	1%	15%
2035	369,832	172,497	10,456	97,798	650,583	57%	27%	2%	15%
2045	397,616	185,171	12,244	111,197	706,228	56%	26%	2%	16%
2055	418,557	197,946	12,630	121,655	750,787	56%	26%	2%	16%

There is minimal change in modal share forecast over time for the full modelled area. The number of bus trips is forecast to triple between the 2018 base year and 2055 (+200%), while car driver trips only increases by 40%.

The same information is shown below for the interpeak, which is also two hours in duration.

Table 3-3 : Interpeak Trips by Mode and Modal Share

Year	AM Peak Trips					Modal Share			
	Car Driver	Car Passenger	Bus	Active	Total	Car Driver	Car Passenger	Bus	Active
2018	283,683	82,224	1,491	46,717	414,115	69%	20%	0%	11%
2025	321,307	92,958	2,442	53,244	469,951	68%	20%	1%	11%
2035	366,246	105,758	2,683	62,134	536,820	68%	20%	0%	12%
2045	393,127	115,952	3,271	70,783	583,133	67%	20%	1%	12%
2055	412,525	125,590	3,597	78,887	620,600	66%	20%	1%	13%

There is a more modest increase in public transport (PT) trips in the interpeak, although active modes increase with a similar reduction in car driver trips. Bus trips increase by 140%, while car driver trips increase by 45%.

Trips by mode and sector for the 2018 base year and the four future years are provided in Appendix B for the AM peak and Appendix C for the interpeak. The sector diagram is shown below - sector 15 represents the externals and is therefore not shown.

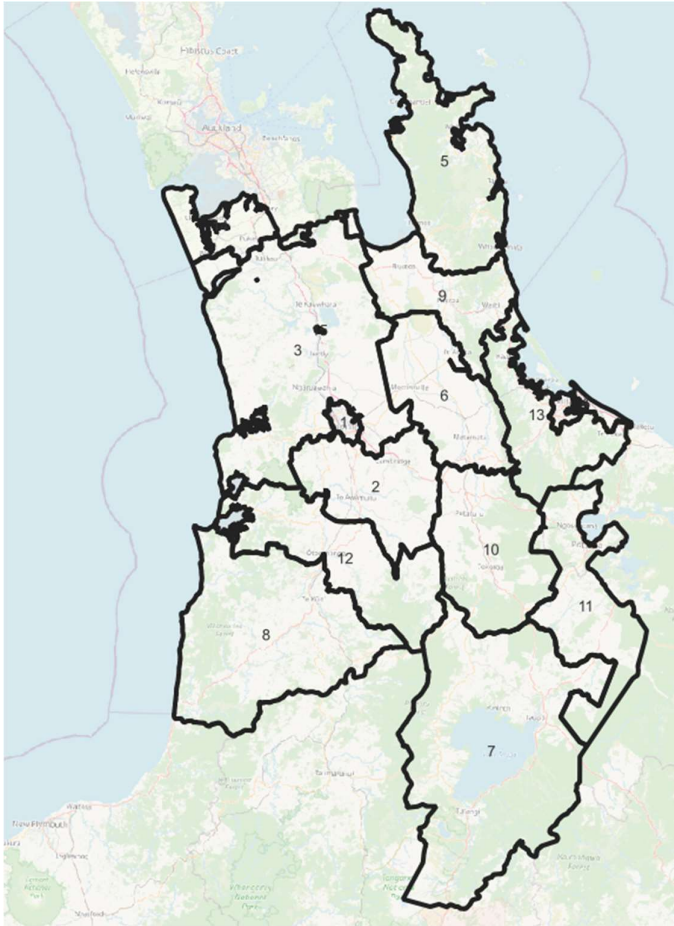


Figure 3-2: Sector Diagram

3.3 Hamilton Modal Choice

As the bus services in the WRTM are primarily within Hamilton, with some serving the surrounding towns, the modal share analysis is provided below for the Hamilton sector. This is provided because the vehicle trips in the wider modelled area dominate and indicate smaller public transport modal shares overall than occurs in Hamilton.

Table 3-4 : Hamilton Sector Modal Share

Year	AM Peak Modal Share				Interpeak Modal Share			
	Car Driver	Car Passenger	Bus	Active	Car Driver	Car Passenger	Bus	Active
2018	53%	20%	4%	23%	59%	26%	2%	13%
2025	52%	20%	6%	22%	58%	26%	3%	13%
2035	51%	20%	7%	22%	58%	26%	3%	13%
2045	51%	19%	7%	23%	57%	26%	3%	14%
2055	50%	19%	7%	23%	57%	26%	3%	15%

This shows that the public transport modal share within Hamilton increases in the AM peak from 4% in 2018 to 7% by 2035 which remains constant through to 2055. This reflects the increased bus frequency and network coverage described in section 3.1. There is a more modest increase in the interpeak, increasing from 2% to 3% between 2018 and 2025. This reflects the decrease in the number of buses, offset by the increase in coverage (see section 3.1).

3.4 PT Patronage

Key statistics for the AM peak PT system in terms of patronage are shown below.

Table 3-5 : AM Peak PT Patronage Statistics

	2018	2025	2035	2045	2055
PT Trips	4,229	8,593	10,456	12,244	12,630
PT Boardings	4,310	9,547	11,869	14,022	14,163
PT Transfers	80	954	1,414	1,778	1,533
% Transfers	2%	11%	14%	15%	12%
Total Network Passenger Time (pax-mins)	44,071	94,933	119,308	142,810	133,229
Total Network Passenger Distance (pax-km)	23,734	54,197	66,912	79,513	78,748
Average Passenger Boarding Time (mins)	10.2	9.9	10.1	10.2	9.4
Average Passenger Boarding Distance (km)	5.5	5.7	5.6	5.7	5.6

There is a slight increase in the proportion of transfers in 2035 and 2045, particularly from 2018. Average travel times by PT increase over time, and then reduce in 2055 when BRT is introduced. Average passenger distances remain regularly constant over time.

The same information is shown below for the interpeak period.

Table 3-6 : Interpeak PT Patronage Statistics

	2018	2025	2035	2045	2055
PT Trips	1,491	2,442	2,683	3,271	3,597
PT Boardings	1,558	2,670	2,927	3,652	3,948
PT Transfers	67	228	245	381	351
% Transfers	5%	9%	9%	12%	10%
Total Network Passenger Time (pax-mins)	13,974	24,305	27,178	34,324	36,113
Total Network Passenger Distance (pax-km)	7,779	13,825	15,334	19,359	21,709
Average Passenger Boarding Time (mins)	9.0	9.1	9.3	9.4	9.1
Average Passenger Boarding Distance (km)	5.0	5.2	5.2	5.3	5.5

The total number of PT trips are significantly lower than the AM peak, reflecting the less congested road network as well as the higher bus headways (less frequent). In addition, the proportion of transfers is less in the interpeak compared with the AM peak. Average travel distances and travel times are marginally lower than the AM peak. In 2055, there is a slight improvement in average passenger travel time which is consistent with the AM peak.

The boardings by line for each year and period are provided in Appendix D. This shows good use of the Orbiter particularly in the AM peak, followed by the Comet and the Meteor. It is noted that the model is not validated to individual routes, and so boardings by line should be used with care.

4 Summary

This technical note provides high-level results for the forecasts from the 4-stage WRTM. Forecasts are produced for the AM and interpeak periods and for the years 2018, 2025, 2035, 2045, and 2055. High input demographics have been used.

Key points are:

- Network coverage increases over time in both the AM and interpeak periods, albeit with minimal increases from 2035 onwards in the interpeak.

- Mode share remains relatively consistent over time for the whole modelled area.
- Public transport trips triple in the AM peak (2018 to 2055) and double in the interpeak period, albeit from a smaller baseline.
- Considering Hamilton where the bus services in the model are focused, the PT modal share is higher. The AM peak shows the greatest change with a 4% PT share in 2018, increasing to 7% by 2035 and remaining constant through to 2055.
- PT statistics show a higher number of transfers over time in both the AM and interpeak periods, which declines slightly in 2055. This may be a result of the BRT system.
- Average bus passenger travel times and distances are marginally longer in the AM peak than the interpeak. There is a small improvement in PT travel time in 2055 compared to previous years for both the AM and interpeak periods.

Appendix A

Table A-1 : Bus Headways by Route for WRTM

Route No	Service Name and Direction	Metro/ Regional	Average Headway, mins		Service Type (RPTP)	Average Headway, mins							
			2018			2025		2035		2045		2055	
			AM	IP		AM	IP	AM	IP	AM	IP	AM	IP
1	Pukete	Metro	20	30	Same as 2025	40	60	40	60	40	60	60	60
2	Silverdale	Metro	17	30									
3	Dinsdale	Metro	24	30	Same as 2025	40	60	40	60	40	60	60	60
4	Flagstaff	Metro	24	30									
4A & 4B	Flagstaff Magellan & Te Huia branches	Metro			Same as 2025	60	120	60	120	60	120	60	60
4N	Flagstaff North	Metro	60										
4NA & 4NB	Flagstaff North Thomas & Borman branches	Metro			Targeted	120	0	120	0	120	0		
5	Chartwell	Metro	60	60	Hamilton Frequent	40	60	15	30	15	30	15	30
6	Mahoe	Metro	30	24									
7	Glenview	Metro	30	30									
8	Frankton	Metro	24	30									
9	Nawton	Metro	30	30	Same as 2025	40	60	40	60	40	60		
10	Hillcrest	Metro	30	30	Same as 2025	40	60	40	60	40	60	60	60
11	Fairfield	Metro	30	30	Same as 2025	40	60	40	60	40	60	60	60
12	Fitzroy	Metro	30	24									
13	University	Metro	30	30	Hamilton Coverage	60	60	60	60	60	60	60	60
14	Claudelands	Metro	30	30	Same as 2025	40	60	40	60	40	60	60	60
16	Rototuna	Metro	24	30	Same as 2025	15	30	15	30	15	30		
17	Hamilton Gardens Uni	Metro	30	60	Same as 2025	40	60	40	60	40	60	60	60
18	Te Rapa	Metro	30	30	Same as 2025	40	60	40	60	40	60	60	60

Route No	Service Name and Direction	Metro/ Regional	Average Headway, mins		Service Type (RPTP)	Average Headway, mins							
			2018			2025		2035		2045		2055	
			AM	IP		AM	IP	AM	IP	AM	IP	AM	IP
19	Bremworth/Temple View	Metro	24	40									
19	Bremworth/Temple View - 2 branches	Metro			Hamilton Coverage	120	120	60	60	60	60	60	60
RC	Rototuna Circular	Metro	15	15	Hamilton Frequent	15	30	15	30	15	30	15	30
O	Orbiter	Metro	10	9	Same as 2025	10	9	10	10	10	10	10	10
C1-C3	Comet	Metro			Hamilton Rapid	10	15	10	30	10	30		
M1-M2	Meteor	Metro			Hamilton Rapid	15	30	10	30	10	30		
20	Cambridge To	Regional	120	0	Metro Frequent	120	0	20	60	20	60	20	60
20	Cambridge From	Regional	60	60	Metro Frequent	60	60	20	60	20	60	20	60
21	Northern Connector In	Regional	20	30	Metro Frequent	20	30	20	60	20	60	20	60
21	Northern Connector Out	Regional	30	30	Metro Frequent	30	30	20	60	20	60	20	60
22	Morrinsville/Paeroa To	Regional	120	0	Metro Coverage	120	0	120	120	120	120	120	120
22	Morrinsville/Paeroa From	Regional	0	0	Metro Coverage	0	0	120	120	120	120	120	120
23	Raglan and Whatawhata In	Regional	120	0	Metro Coverage	120	0	120	120	120	120	120	120
23	Raglan and Whatawhata Out	Regional	120	120	Metro Coverage	120	120	120	120	120	120	120	120
24	Te Awamutu To	Regional	60	120	Metro Frequent	60	120	20	60	20	60	20	60
24	Te Awamutu From	Regional	40	120	Metro Frequent	40	120	20	60	20	60	20	60
26	Te Kuiti Connector To	Regional	0	0	Same as 2025	0	0	0	0	0	0	0	0
26	Te Kuiti Connector From	Regional	0	0	Same as 2025	0	0	0	0	0	0	0	0

Route No	Service Name and Direction	Metro/ Regional	Average Headway, mins		Service Type (RPTP)	Average Headway, mins							
			2018			2025		2035		2045		2055	
			AM	IP		AM	IP	AM	IP	AM	IP	AM	IP
27	Tauwhare Pā To	Regional	0	0	Same as 2025	120	120	120	120	120	120	120	120
27	Tauwhare Pā From	Regional	0	0	Same as 2025	120	0	120	0	120	0	120	0
28	Tamahere/Māta ngi To	Regional	0	0	Same as 2025	120	120	120	120	120	120	120	120
28	Tamahere/Māta ngi From	Regional	0	0	Same as 2025	120	120	120	120	120	120	120	120
32	Tokoroa Connector To	Regional	0	0	1 Extra Departure as per WRC	120	0	60	0	60	0	60	0
32	Tokoroa Connector From	Regional	0	0	Same as 2025	0	0	0	0	0	0	0	0
A	Rotokauri	Metro			Hamilton Frequent			15	30	15	30	15	30
B	Te Rapa Park	Metro			Connector	15	15	30	30	30	30	30	30
P3	Maeroa-CBD	Metro			Metro coverage	60	60	120	120			120	120
P3	Maeroa-Peacokes	Metro			Metro coverage					120	120		
P	Peacokes	Metro			Hamilton Frequent								
101	Glenview-Rototuna	Metro			Hamilton Frequent					15	30		
P2a	Amberfield	Metro			Connector	30	30	60	60	60	60		
P2b	Bader	Metro			Connector								
100	CBD-Airport	Metro			Hamilton Frequent					15	30		
102	Te Awa Lakes-Rototuna	Metro			Hamilton Coverage					60	60	60	60
L1	Lake	Metro			Targeted	120	0	120	0	120	0	120	0
103	Rotokauri-Rototuna	Metro			Hamilton Coverage					60	60	60	60
Line 1	BRT TheBase-Ruakura	Metro										5	30
Line2	BRT TeAwa-CBD	Metro										5	30

Route No	Service Name and Direction	Metro/ Regional	Average Headway, mins		Service Type (RPTP)	Average Headway, mins							
			2018			2025		2035		2045		2055	
			AM	IP		AM	IP	AM	IP	AM	IP	AM	IP
Line3	BRT BoundaryRd-Airport	Metro										5	30
Line1Ext	BRT Mill St - The Base	Metro										10	30
Line2Ext	BRT Lite CBD-Peacocke	Metro										10	30
Line3Ext	BRT Lite Rotoruna-Boundary Rd	Metro										10	30
F1	Sacred Heart Feeder	Metro										120	0
F2	Flagstaff North Borman Feeder	Metro										120	0
F3	Flagstaff North Thomas Feeder	Metro										120	0
F4	Glenview Feeder	Metro										60	60
F5	Mahoe Feeder	Metro										60	60
F6	Silverdale Feeder	Metro										60	60
F7	Peacockes Feeder	Metro										60	60

Appendix B – Trips by Mode and Sector – AM Peak

B.1 2018

Table B1.1 : 2018, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	51700	4050	4530	2	1	621	0	4	13	35	1	58	1	4	52	61071
Waipa District	2	5240	13400	1240	11	0	347	1	56	2	206	5	583	5	0	5	21101
Waikato District	3	8650	1790	13700	1	87	451	0	1	218	20	1	15	1	3520	649	29104
Tauranga City	4	3	12	1	55300	0	144	0	0	8	27	161	0	4320	0	0	59975
Thames-Coromandel District	5	2	0	40	1	9530	33	0	0	621	0	0	0	18	8	1	10254
Matamata-Piako District	6	933	498	387	105	25	9920	0	0	359	272	12	1	49	1	1	12562
Taupo District	7	0	2	0	0	0	0	14100	3	0	140	253	47	0	0	0	14546
Waitomo District	8	7	76	1	0	0	0	6	3070	0	1	0	406	0	0	0	3568
Hauraki District	9	31	6	124	11	741	691	0	0	4800	1	0	0	458	20	6	6888
South Waikato District	10	68	346	24	30	0	348	134	0	0	7600	281	8	12	0	0	8853
Rotorua District	11	2	14	1	135	0	35	408	0	0	268	26500	0	51	0	0	27415
Otorohanga District	12	141	993	26	0	0	1	75	431	0	18	1	1740	0	0	0	3426
Western Bay of Plenty District	13	3	11	2	7250	61	138	0	0	830	22	164	0	8290	0	0	16771
Auckland	14	8	0	2780	0	15	1	0	0	34	0	0	0	0	15900	2380	21118
External	15	75	5	23	0	0	1	0	0	0	0	0	0	0	63	0	167
TOTAL		66863	21203	22879	62846	10460	12731	14725	3566	6885	8609	27379	2859	13206	19515	3094	296820

Table B1.2 : 2018, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	19566	3238	2809	39	23	855	2	24	81	139	21	144	18	42	63	27063	19566
Waipa District	4723	5168	883	72	3	400	10	100	13	259	37	419	20	3	13	12124	4723
Waikato District	6230	1187	6419	19	312	470	1	7	335	53	9	41	16	1911	582	17591	6230
Tauranga City	59	84	16	18255	4	294	1	0	28	92	469	1	2335	0	0	21640	59
Thames-Coromandel District	51	7	153	8	3769	108	0	0	519	1	0	0	45	57	12	4730	51
Matamata-Piako District	1385	606	411	198	87	3830	2	1	298	239	42	6	67	6	6	7182	1385
Taupo District	5	14	1	1	0	3	5109	11	0	217	304	30	1	0	0	5698	5
Waitomo District	56	147	11	0	0	1	23	1199	0	6	1	279	0	0	0	1724	56
Hauraki District	203	36	248	36	647	647	0	0	1774	4	1	0	290	67	29	3982	203
South Waikato District	277	451	63	102	0	322	329	4	3	2658	371	22	28	0	1	4631	277
Rotorua District	59	98	14	319	0	127	492	1	1	408	8674	3	105	0	0	10300	59
Otorohanga District	378	780	67	1	0	7	71	291	0	38	7	685	0	0	1	2327	378
Western Bay of Plenty District	60	49	29	3919	124	214	1	0	525	47	348	1	3022	3	1	8341	60
Auckland	87	3	1655	0	110	7	0	0	103	0	0	0	1	5949	1316	9232	87
External	29	5	22	0	0	1	0	0	0	0	0	0	0	36	0	94	29
TOTAL	33167	11874	12803	22969	5079	7287	6042	1637	3681	4162	10283	1632	5947	8075	2024	136661	33167

Table B1.3 : 2018, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	22600	49	176	0	0	0	0	0	0	0	0	0	0	0	79	22903
Waipa District	2	60	3550	12	0	0	0	0	0	0	0	0	38	0	0	0	3660
Waikato District	3	297	22	3050	0	0	1	0	0	0	0	0	0	0	137	1	3508
Tauranga City	4	0	0	0	13300	0	0	0	0	0	0	0	0	120	0	0	13420

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Thames-Coromandel District	5	0	0	0	0	3870	0	0	0	2	0	0	0	0	0	0	3872
Matamata-Piako District	6	0	0	1	0	0	3150	0	0	22	0	0	0	0	0	0	3173
Taupo District	7	0	0	0	0	0	0	5100	0	0	0	1	0	0	0	0	5101
Waitomo District	8	0	0	0	0	0	0	0	1190	0	0	0	6	0	0	0	1196
Hauraki District	9	0	0	0	0	2	34	0	0	1670	0	0	0	6	0	0	1712
South Waikato District	10	0	0	0	0	0	0	0	0	0	2620	1	0	0	0	0	2621
Rotorua District	11	0	0	0	0	0	0	1	0	0	1	7840	0	0	0	0	7842
Otorohanga District	12	0	21	0	0	0	0	0	5	0	0	0	515	0	0	0	541
Western Bay of Plenty District	13	0	0	0	231	0	0	0	0	10	0	0	0	2580	0	0	2821
Auckland	14	0	0	97	0	0	0	0	0	0	0	0	0	0	4360	30	4487
External	15	50	0	0	0	0	0	0	0	0	0	0	0	0	1	1	52
TOTAL		23007	3642	3335	13531	3872	3185	5102	1195	1704	2621	7841	560	2706	4498	110	76908

Table B1.4 : 2018, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	3600	60	25	0	0	14	0	0	0	0	0	0	0	0	14	3713
Waipa District	2	106	147	4	0	0	0	0	0	0	0	0	0	0	0	0	258
Waikato District	3	96	5	90	0	0	1	0	0	0	0	0	0	0	0	0	191
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	50	0	0	6	0	0	0	0	0	0	56
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hauraki District	9	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
TOTAL		3809	211	119	0	0	65	0	0	10	0	0	0	0	0	15	4229

B.2 2025

Table B2.1 : 2025, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	54400	4720	6170	5	1	737	0	4	13	48	2	76	2	15	58	66250
Waipa District	2	4900	14900	1440	27	0	377	1	75	2	272	13	814	10	0	4	22836
Waikato District	3	9150	1980	16900	4	90	547	0	1	277	27	1	20	3	4940	612	34552
Tauranga City	4	2	16	2	59800	0	190	0	0	7	39	153	0	5650	0	0	65860
Thames-Coromandel District	5	2	0	76	1	9270	31	0	0	764	0	0	0	35	19	5	10202
Matamata-Piako District	6	763	446	437	263	21	10400	0	0	371	324	32	1	98	2	1	13159
Taupo District	7	0	1	0	0	0	0	14800	3	0	108	322	47	0	0	0	15281
Waitomo District	8	6	57	1	0	0	0	8	3010	0	1	0	495	0	0	0	3578
Hauraki District	9	20	4	184	19	621	611	0	0	5040	1	0	0	766	48	14	7328
South Waikato District	10	44	242	22	56	0	306	158	0	0	7670	403	9	21	0	0	8931
Rotorua District	11	2	11	1	125	0	28	434	0	0	261	29000	0	55	0	0	29917

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	109	859	23	0	0	1	76	466	0	15	2	2290	0	0	0	3842
Western Bay of Plenty District	13	2	10	3	8160	39	123	0	0	747	25	166	0	11000	0	0	20276
Auckland	14	25	1	3790	0	19	2	0	0	60	0	0	0	0	21200	2570	27666
External	15	73	6	25	0	0	1	0	0	0	0	0	0	0	65	0	169
TOTAL		69498	23252	29073	68461	10060	13354	15477	3560	7281	8792	30095	3752	17640	26288	3264	329847

Table B2.2 : 2025, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	20500	3790	3980	107	17	1040	4	29	79	199	40	192	38	143	127	30285
Waipa District	2	4270	5690	1020	179	2	439	13	133	12	353	84	601	42	7	14	12857
Waikato District	3	6880	1390	8210	52	313	598	2	8	441	79	18	56	38	2740	615	21439
Tauranga City	4	57	111	23	19600	3	395	4	0	29	135	458	2	2920	0	0	23738
Thames-Coromandel District	5	37	6	266	14	3720	106	0	0	700	1	1	0	96	124	49	5119
Matamata-Piako District	6	1110	542	469	513	67	4020	2	1	309	294	120	6	134	15	9	7612
Taupo District	7	3	7	1	1	0	2	5410	8	0	172	556	30	1	0	0	6191
Waitomo District	8	44	114	10	0	0	1	28	1190	0	8	3	343	0	0	0	1742
Hauraki District	9	129	27	357	70	549	546	0	0	1900	6	2	0	542	158	70	4356
South Waikato District	10	177	302	57	185	0	273	410	4	3	2670	630	22	45	0	1	4779
Rotorua District	11	38	75	13	282	0	100	673	1	1	398	9540	3	107	0	0	11230
Otorohanga District	12	288	660	62	2	0	7	79	316	0	34	16	890	1	0	1	2356
Western Bay of Plenty District	13	44	48	45	4310	89	201	4	0	517	57	357	1	4080	10	4	9766
Auckland	14	261	12	2300	0	127	18	0	0	172	0	0	0	5	7870	1220	11985
External	15	31	5	25	0	0	1	0	0	1	0	0	0	0	33	0	96
TOTAL		33867	12778	16838	25316	4888	7746	6628	1690	4162	4406	11825	2147	8049	11101	2109	153550

Table B2.3 : 2025, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	23300	70	240	0	0	0	0	0	0	0	0	0	0	0	79	23689
Waipa District	2	67	4050	17	0	0	0	0	0	0	0	0	40	0	0	0	4174
Waikato District	3	319	26	3670	0	0	1	0	0	0	0	0	0	0	251	1	4267
Tauranga City	4	0	0	0	15700	0	0	0	0	0	0	0	0	196	0	0	15896
Thames-Coromandel District	5	0	0	0	0	3780	0	0	0	2	0	0	0	0	0	0	3782
Matamata-Piako District	6	0	0	1	0	0	3340	0	0	23	0	0	0	0	0	0	3364
Taupo District	7	0	0	0	0	0	0	5370	0	0	0	1	0	0	0	0	5371
Waitomo District	8	0	0	0	0	0	0	0	1170	0	0	0	8	0	0	0	1178
Hauraki District	9	0	0	0	0	2	34	0	0	1760	0	0	0	9	0	0	1805
South Waikato District	10	0	0	0	0	0	0	0	0	0	2680	0	0	0	0	0	2681
Rotorua District	11	0	0	0	0	0	0	1	0	0	0	8710	0	0	0	0	8712
Otorohanga District	12	0	22	0	0	0	0	0	5	0	0	0	684	0	0	0	711
Western Bay of Plenty District	13	0	0	0	296	0	0	0	0	9	0	0	0	3320	0	0	3625
Auckland	14	0	0	143	0	0	0	0	0	0	0	0	0	0	5430	81	5654
External	15	48	0	0	0	0	0	0	0	0	0	0	0	0	2	1	51
TOTAL		23734	4169	4071	15996	3782	3376	5372	1175	1794	2681	8711	732	3525	5683	161	84961

Table B2.4 : 2025, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	6810	165	99	0	0	34	0	0	0	0	0	0	0	0	24	7132
Waipa District	2	244	405	9	0	0	0	0	0	0	0	0	0	0	0	1	658
Waikato District	3	252	8	224	0	0	6	0	0	0	0	0	0	0	0	1	491
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	135	0	0	11	0	0	0	0	0	0	146
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	0	0	0	0	0	1	0	0	10	0	0	0	0	0	0	10
South Waikato District	10	5	14	0	0	0	0	0	0	0	122	0	0	0	0	0	141
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL		7324	593	332	0	0	175	0	0	21	122	0	0	0	0	26	8593

B.3 2035

Table B3.1 2035, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	61817	5572	6918	8	1	830	0	6	15	60	2	91	4	12	66	75400
Waipa District	2	5326	16274	1580	42	0	425	2	91	2	342	17	867	14	0	5	24987
Waikato District	3	9887	2138	19522	5	95	594	0	1	308	32	1	22	4	5952	530	39092
Tauranga City	4	3	22	2	65966	0	232	0	0	6	62	219	0	6231	0	0	72744
Thames-Coromandel District	5	2	0	87	1	8807	38	0	0	847	0	0	0	45	23	4	9855
Matamata-Piako District	6	780	465	453	355	19	10984	0	0	384	369	32	1	122	1	1	13967
Taupo District	7	0	1	0	0	0	0	15445	3	0	106	342	45	0	0	0	15942

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waitomo District	8	6	55	1	0	0	0	9	3111	0	1	0	475	0	0	0	3658
Hauraki District	9	22	5	196	19	569	651	0	0	5220	1	0	0	767	50	11	7510
South Waikato District	10	42	222	20	72	0	292	191	0	0	7980	400	9	26	0	0	9256
Rotorua District	11	2	10	1	137	0	24	498	0	0	283	31092	0	58	0	0	32104
Otorohanga District	12	115	894	23	0	0	1	74	543	0	15	2	2455	0	0	0	4122
Western Bay of Plenty District	13	3	14	4	9275	35	155	0	0	848	39	247	0	12720	0	0	23341
Auckland	14	29	1	4463	0	19	2	0	0	67	0	0	0	0	29758	3328	37667
External	15	80	6	24	0	0	1	0	0	0	0	0	0	0	76	0	187
TOTAL		78113	25678	33294	75881	9546	14228	16220	3755	7697	9289	32355	3965	19991	35874	3945	369832

Table B3.2 : 2035, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	23493	4411	4361	159	20	1185	6	36	92	252	51	231	57	122	112	34587
Waipa District	2	4591	6151	1093	274	2	496	21	162	12	462	116	650	64	5	14	14112
Waikato District	3	7530	1523	9340	75	348	679	2	10	509	97	22	61	49	3245	517	24006
Tauranga City	4	72	149	28	21419	2	476	16	0	25	217	701	2	3043	0	0	26151
Thames-Coromandel District	5	48	7	337	18	3718	142	0	0	850	2	1	0	137	159	51	5471
Matamata-Piako District	6	1147	572	486	731	64	4273	3	1	319	346	123	7	169	13	7	8261
Taupo District	7	3	6	1	2	0	2	5697	8	0	174	625	29	1	0	0	6546
Waitomo District	8	47	108	10	0	0	1	37	1227	0	9	5	324	0	0	0	1769
Hauraki District	9	148	32	385	75	508	618	0	0	1993	7	3	1	570	162	55	4557
South Waikato District	10	166	271	51	234	0	255	533	4	2	2809	633	22	57	0	0	5038
Rotorua District	11	36	67	12	298	0	84	877	1	1	440	10242	3	109	0	0	12171

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	305	690	63	3	0	7	81	377	0	36	15	966	1	0	1	2545
Western Bay of Plenty District	13	64	68	63	4750	83	273	14	0	628	98	567	1	4683	11	4	11307
Auckland	14	303	15	2739	1	135	23	0	0	197	0	0	0	6	11064	1395	15877
External	15	33	5	23	0	0	1	0	0	1	0	0	0	0	35	0	100
TOTAL		37984	14075	18991	28039	4882	8513	7288	1826	4628	4950	13104	2297	8946	14817	2157	172497

Table B3.3 : 2035, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	26641	98	306	0	0	0	0	0	0	0	0	0	0	0	94	27139
Waipa District	2	81	4511	21	0	0	0	0	0	0	0	0	39	0	0	0	4652
Waikato District	3	394	29	4261	0	0	1	0	0	0	0	0	0	0	316	1	5001
Tauranga City	4	0	0	0	19720	0	0	0	0	0	0	0	0	290	0	0	20009
Thames-Coromandel District	5	0	0	0	0	3602	0	0	0	2	0	0	0	0	0	0	3604
Matamata-Piako District	6	0	0	1	0	0	3485	0	0	25	0	0	0	0	0	0	3511
Taupo District	7	0	0	0	0	0	0	5622	0	0	0	1	0	0	0	0	5623
Waitomo District	8	0	0	0	0	0	0	0	1234	0	0	0	8	0	0	0	1241
Hauraki District	9	0	0	0	0	2	34	0	0	1819	0	0	0	9	0	0	1863
South Waikato District	10	0	0	0	0	0	0	0	0	0	2790	0	0	0	0	0	2792
Rotorua District	11	0	0	0	0	0	0	1	0	0	0	9618	0	0	0	0	9619
Otorohanga District	12	0	23	0	0	0	0	0	6	0	0	0	729	0	0	0	757
Western Bay of Plenty District	13	0	0	0	407	0	0	0	0	9	0	0	0	3886	0	0	4303
Auckland	14	0	0	169	0	0	0	0	0	0	0	0	0	0	7274	180	7624
External	15	53	0	0	0	0	0	0	0	0	0	0	0	0	4	1	58
TOTAL		27168	4661	4758	20127	3603	3520	5624	1239	1855	2792	9619	776	4185	7594	276	97798

Table B3.4 : 2035, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	8121	267	143	0	0	35	0	0	0	0	0	0	0	0	31	8597
Waipa District	2	338	516	17	0	0	2	0	0	0	0	0	0	0	0	1	874
Waikato District	3	329	13	264	0	0	6	0	0	0	0	0	0	0	0	1	614
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	140	0	0	12	0	0	0	0	0	0	152
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	1	0	0	0	0	29	0	0	30	0	0	0	0	0	0	60
South Waikato District	10	5	13	0	0	0	0	0	0	0	122	0	0	0	0	0	139
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	20
TOTAL		8813	810	424	0	0	212	0	0	42	122	0	0	0	0	33	10456

B.4 2045

Table B4.1 : 2045, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	66800	6530	7730	7	1	868	0	7	17	77	3	108	4	12	74	82238
Waipa District	2	6220	16700	1690	38	0	466	3	95	2	396	18	912	15	0	5	26561

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waikato District	3	11100	2180	21500	4	81	656	0	1	255	35	1	23	4	6950	543	43334
Tauranga City	4	2	13	1	69400	0	182	0	0	6	51	246	0	6750	0	0	76651
Thames-Coromandel District	5	2	0	73	2	8780	44	0	0	906	0	0	0	57	16	2	9883
Matamata-Piako District	6	804	454	465	363	23	11600	0	0	416	404	31	1	135	1	1	14698
Taupo District	7	0	1	0	0	0	0	15900	2	0	104	324	44	0	0	0	16375
Waitomo District	8	6	54	1	0	0	0	11	3170	0	1	0	493	0	0	0	3738
Hauraki District	9	23	5	185	24	593	680	0	0	5390	1	0	0	821	42	7	7771
South Waikato District	10	49	225	21	76	0	326	215	0	0	8290	405	9	31	0	0	9647
Rotorua District	11	1	6	1	153	0	21	543	0	0	264	32400	0	62	0	0	33452
Otorohanga District	12	127	921	23	0	0	1	74	584	0	15	2	2670	0	0	0	4417
Western Bay of Plenty District	13	3	10	3	9520	36	144	0	0	815	38	252	0	13500	0	0	24320
Auckland	14	15	0	4500	0	11	1	0	0	32	0	0	0	0	36000	3770	44328
External	15	85	7	24	0	0	1	0	0	0	0	0	0	0	85	0	202
TOTAL		85237	27106	36217	79587	9525	14989	16747	3860	7839	9677	33683	4260	21380	43106	4403	397616

Table B4.2 : 2045, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	25600	5220	4890	144	28	1270	9	42	111	323	63	272	61	118	117	38267
Waipa District	2	5400	6400	1210	250	3	550	30	171	15	552	126	697	65	5	16	15488
Waikato District	3	7750	1600	10100	60	297	724	3	10	417	108	23	65	40	3840	523	25561
Tauranga City	4	47	87	17	22600	2	362	21	0	21	184	810	2	3280	0	0	27433
Thames-Coromandel District	5	50	8	280	30	3820	170	0	0	986	2	1	0	198	107	27	5679
Matamata-Piako District	6	1190	566	498	775	80	4550	4	1	353	393	125	7	187	10	5	8744

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Taupo District	7	2	4	1	2	0	1	5990	7	0	171	539	29	1	0	0	6747
Waitomo District	8	48	108	10	0	0	1	53	1280	0	11	6	344	0	0	0	1862
Hauraki District	9	155	33	359	98	538	649	0	0	2070	9	3	1	644	128	36	4722
South Waikato District	10	178	258	51	243	0	278	644	4	3	3010	654	22	67	0	0	5412
Rotorua District	11	27	43	8	331	0	70	963	1	0	405	10800	3	118	0	0	12770
Otorohanga District	12	338	731	66	3	0	7	86	415	0	38	14	1080	1	0	1	2780
Western Bay of Plenty District	13	50	47	40	4870	82	234	16	0	590	96	587	1	5020	5	1	11639
Auckland	14	149	7	2640	0	70	9	0	0	91	0	0	0	2	13500	1490	17959
External	15	36	6	24	0	0	1	0	0	1	0	0	0	0	38	0	107
TOTAL		41020	15118	20193	29406	4921	8877	7819	1931	4658	5302	13751	2522	9684	17751	2217	185171

Table B4.3 : 2045, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	29800	131	430	0	0	0	0	0	0	0	0	0	0	0	108	30469
Waipa District	2	101	4820	23	0	0	0	0	0	0	0	0	42	0	0	0	4986
Waikato District	3	655	28	4900	0	0	1	0	0	0	0	0	0	0	380	1	5965
Tauranga City	4	0	0	0	23400	0	0	0	0	0	0	0	0	387	0	0	23787
Thames-Coromandel District	5	0	0	0	0	3760	0	0	0	3	0	0	0	0	0	0	3763
Matamata-Piako District	6	0	0	1	0	0	3810	0	0	28	0	0	0	0	0	0	3839
Taupo District	7	0	0	0	0	0	0	6010	0	0	0	1	0	0	0	0	6011
Waitomo District	8	0	0	0	0	0	0	0	1310	0	0	0	9	0	0	0	1319
Hauraki District	9	0	0	0	0	2	37	0	0	1990	0	0	0	11	0	0	2040
South Waikato District	10	0	0	0	0	0	0	0	0	0	2990	1	0	0	0	0	2991
Rotorua District	11	0	0	0	0	0	0	2	0	0	1	10700	0	0	0	0	10702

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	0	23	0	0	0	0	0	7	0	0	0	820	0	0	0	851
Western Bay of Plenty District	13	0	0	0	482	0	0	0	0	10	0	0	0	4280	0	0	4772
Auckland	14	0	0	189	0	0	0	0	0	0	0	0	0	0	9110	335	9634
External	15	60	0	0	0	0	0	0	0	0	0	0	0	0	6	1	67
TOTAL		30616	5002	5543	23882	3762	3849	6012	1317	2031	2991	10702	871	4678	9496	445	111197

Table B4.4 : 2045, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	9470	354	201	0	0	37	0	0	0	0	0	0	0	0	36	10099
Waipa District	2	417	548	20	0	0	3	0	0	0	0	0	0	0	0	1	989
Waikato District	3	425	16	307	0	0	6	0	0	0	0	0	0	0	0	2	755
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	153	0	0	14	0	0	0	0	0	0	167
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	1	0	0	0	0	34	0	0	35	0	0	0	0	0	0	69
South Waikato District	10	5	15	0	0	0	0	0	0	0	121	0	0	0	0	0	142
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	23
TOTAL		10340	933	529	0	0	232	0	0	50	121	0	0	0	0	39	12244

B.5 2055

Table B5.1 : 2055, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	70000	6860	8790	8	1	902	0	7	21	85	4	113	4	20	81	86896
Waipa District	2	6480	17700	1820	55	0	511	3	93	3	452	23	940	16	0	6	28102
Waikato District	3	12000	2260	23100	5	62	723	0	1	210	39	2	23	3	7940	632	47000
Tauranga City	4	2	11	1	74800	0	174	0	0	6	50	259	0	6770	0	0	82073
Thames-Coromandel District	5	2	0	86	2	8710	32	0	0	932	0	0	0	58	25	4	9852
Matamata-Piako District	6	765	450	482	442	28	12000	0	0	485	417	28	1	136	2	1	15236
Taupo District	7	0	0	0	0	0	0	16200	2	0	99	312	43	0	0	0	16657
Waitomo District	8	7	58	1	0	0	0	13	3270	0	2	0	532	0	0	0	3883
Hauraki District	9	20	4	204	26	607	630	0	0	5750	1	0	0	821	59	10	8132
South Waikato District	10	51	247	22	90	0	348	229	0	0	8690	409	9	31	0	0	10127
Rotorua District	11	1	5	0	164	0	19	576	0	0	253	33600	0	64	0	0	34683
Otorohanga District	12	132	963	25	0	0	1	73	594	0	15	2	2800	0	0	0	4605
Western Bay of Plenty District	13	2	9	3	9520	39	140	0	0	838	38	242	0	13100	0	0	23931
Auckland	14	13	0	4320	0	5	1	0	0	19	0	0	0	0	39000	3810	47168
External	15	88	7	25	0	0	1	0	0	0	0	0	0	0	91	0	212
TOTAL		89563	28576	38879	85112	9453	15482	17095	3968	8263	10140	34880	4462	21003	47137	4544	418557

Table B5.2 : 2055, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	27100	5590	5760	180	34	1340	10	44	137	366	87	287	64	193	145	41337
Waipa District	2	5680	6840	1330	381	3	622	36	169	18	667	170	731	73	6	17	16742

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waikato District	3	7810	1660	11100	77	226	784	3	10	373	123	31	67	37	4860	700	27861
Tauranga City	4	38	77	14	24600	3	343	23	0	22	183	854	1	3330	0	0	29488
Thames-Coromandel District	5	43	7	355	31	3980	131	0	0	1090	2	1	0	209	178	49	6078
Matamata-Piako District	6	1150	570	529	1030	101	4790	5	1	423	418	114	7	201	14	6	9358
Taupo District	7	2	4	1	3	0	1	6280	6	0	167	508	29	2	0	0	7002
Waitomo District	8	50	117	11	1	0	1	68	1350	0	13	7	377	0	0	0	1994
Hauraki District	9	140	30	403	109	561	577	0	0	2250	9	3	0	689	178	52	5001
South Waikato District	10	183	279	53	294	0	299	722	4	3	3270	681	23	69	0	0	5880
Rotorua District	11	22	36	7	357	0	64	1040	0	0	382	11300	3	122	0	0	13332
Otorohanga District	12	358	798	71	5	0	8	90	432	0	42	14	1170	1	0	1	2990
Western Bay of Plenty District	13	42	42	38	4930	90	223	17	0	618	96	572	1	4910	6	2	11586
Auckland	14	137	6	2550	0	33	7	0	0	55	0	0	0	1	14900	1490	19180
External	15	38	6	25	0	0	1	0	0	1	1	0	0	0	42	0	115
TOTAL		42792	16061	22247	31998	5033	9191	8293	2017	4990	5739	14341	2696	9707	20377	2463	197946

Table B5.3 : 2055, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	32700	159	569	0	0	0	0	0	0	0	0	0	0	0	117	33545
Waipa District	2	117	5400	27	0	0	0	0	0	0	0	0	44	0	0	0	5588
Waikato District	3	922	30	5420	0	0	1	0	0	0	0	0	0	0	435	2	6810
Tauranga City	4	0	0	0	25000	0	0	0	0	0	0	0	0	387	0	0	25387
Thames-Coromandel District	5	0	0	0	0	3860	0	0	0	3	0	0	0	0	0	0	3863
Matamata-Piako District	6	0	0	1	0	0	4080	0	0	33	0	0	0	0	0	0	4115

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Taupo District	7	0	0	0	0	0	0	6430	0	0	0	1	1	0	0	0	6432
Waitomo District	8	0	0	0	0	0	0	0	1400	0	0	0	11	0	0	0	1411
Hauraki District	9	0	0	0	0	2	42	0	0	2220	0	0	0	12	0	0	2277
South Waikato District	10	0	0	0	0	0	1	0	0	0	3260	1	0	0	0	0	3262
Rotorua District	11	0	0	0	0	0	0	2	0	0	1	11800	0	0	0	0	11803
Otorohanga District	12	0	24	0	0	0	0	0	9	0	0	0	909	0	0	0	942
Western Bay of Plenty District	13	0	0	0	510	0	0	0	0	12	0	0	0	4240	0	0	4762
Auckland	14	0	0	198	0	0	0	0	0	0	0	0	0	0	10700	486	11384
External	15	64	0	0	0	0	0	0	0	0	0	0	0	0	9	1	75
TOTAL		33803	5614	6215	25510	3862	4124	6432	1409	2268	3261	11802	964	4639	11144	606	121655

Table B5.4 : 2055, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	9680	366	232	0	0	39	0	0	0	0	0	0	0	0	40	10358
Waipa District	2	437	642	23	0	0	0	0	0	0	0	0	0	0	0	1	1103
Waikato District	3	460	17	346	0	0	6	0	0	0	0	0	0	0	0	2	831
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	172	0	0	20	0	0	0	0	0	0	192
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	1	0	0	0	0	32	0	0	38	0	0	0	0	0	0	71
South Waikato District	10	0	1	0	0	0	0	0	0	0	48	0	0	0	0	0	50
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	25
TOTAL		10602	1027	602	0	0	249	0	0	58	48	0	0	0	0	43	12630

Appendix C – Trips by Mode and Sector – Interpeak

C.1 2018

Table C1.1 : 2018, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	46200	2890	4340	1	0	467	0	2	6	26	0	45	0	5	68	54050
Waipa District	2	2790	14700	1060	17	0	389	1	81	3	346	11	797	8	0	3	20207
Waikato District	3	3960	1050	11700	1	42	379	0	1	127	16	0	17	2	2480	625	20400
Tauranga City	4	2	18	1	56000	1	192	0	0	14	34	145	0	5490	0	0	61897
Thames-Coromandel District	5	1	0	54	1	13000	27	0	0	761	0	0	0	64	16	16	13941
Matamata-Piako District	6	499	420	378	198	26	10600	0	0	451	343	22	1	104	3	4	13049
Taupo District	7	0	2	0	0	0	0	15700	8	0	233	361	59	0	0	0	16364
Waitomo District	8	3	91	2	0	0	0	6	2940	0	1	0	426	0	0	0	3469
Hauraki District	9	12	4	130	17	632	475	0	0	5170	1	0	0	708	38	41	7227
South Waikato District	10	34	314	17	51	0	306	107	1	1	7120	283	12	22	0	0	8266
Rotorua District	11	1	12	1	216	0	26	284	0	0	264	24700	2	114	0	0	25619
Otorohanga District	12	53	722	20	0	0	1	53	433	0	14	2	1870	0	0	0	3168
Western Bay of Plenty District	13	2	9	3	5060	43	96	0	0	622	16	70	0	7800	0	1	13721
Auckland	14	7	0	2760	0	10	3	0	0	41	0	0	0	0	15300	1180	19302
External	15	82	4	1040	0	16	7	0	0	85	0	0	0	1	1770	0	3004
TOTAL		53645	20236	21505	61562	13770	12968	16151	3467	7280	8414	25595	3228	14313	19612	1938	283683

Table C1.2 : 2018, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	20800	2950	3380	18	6	781	0	18	41	124	11	143	8	69	116	28465
Waipa District	2	2990	2500	406	52	1	214	2	75	8	210	31	288	17	5	10	6809
Waikato District	3	3280	399	2630	7	50	189	0	4	101	20	3	22	11	756	439	7910
Tauranga City	4	52	56	8	8390	4	178	0	0	23	51	165	1	1480	0	0	10409
Thames-Coromandel District	5	22	3	85	7	2150	41	0	0	322	0	0	0	67	57	81	2836
Matamata-Piako District	6	853	238	191	191	35	1770	1	0	174	144	35	3	75	12	19	3741
Taupo District	7	4	8	1	1	0	2	2550	15	0	290	255	30	1	0	0	3156
Waitomo District	8	28	86	6	0	0	1	9	513	0	4	2	143	0	0	0	790
Hauraki District	9	79	12	108	31	248	196	0	0	869	2	1	0	232	65	100	1942
South Waikato District	10	172	199	25	81	0	137	103	3	2	1120	191	12	25	0	1	2072
Rotorua District	11	25	35	4	262	0	42	196	2	0	173	3610	6	116	0	0	4471
Otorohanga District	12	177	269	27	1	0	4	23	141	0	14	6	312	0	0	1	975
Western Bay of Plenty District	13	35	21	16	1350	46	71	0	0	195	17	66	0	1270	7	14	3108
Auckland	14	102	3	860	0	27	11	0	0	71	0	0	0	5	2490	306	3875
External	15	96	7	757	0	62	34	0	0	218	0	0	0	15	478	0	1666
TOTAL		28713	6785	8504	10392	2629	3670	2884	771	2024	2170	4375	959	3321	3939	1086	82224

Table C1.3 : 2018, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	10500	76	273	0	0	1	0	0	0	0	0	0	0	0	26	10876
Waipa District	2	71	2700	35	0	0	2	0	0	0	2	0	19	0	0	0	2829
Waikato District	3	233	31	1680	0	0	4	0	0	0	0	0	0	0	133	3	2085
Tauranga City	4	0	0	0	9440	0	0	0	0	0	0	0	0	277	0	0	9717

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Thames-Coromandel District	5	0	0	0	0	2840	0	0	0	11	0	0	0	0	0	0	2851
Matamata-Piako District	6	1	2	4	0	0	2030	0	0	25	3	0	0	1	0	0	2066
Taupo District	7	0	0	0	0	0	0	3300	0	0	0	5	2	0	0	0	3307
Waitomo District	8	0	0	0	0	0	0	0	597	0	0	0	12	0	0	0	609
Hauraki District	9	0	0	0	0	9	23	0	0	997	0	0	0	25	0	0	1054
South Waikato District	10	0	2	0	0	0	3	0	0	0	1390	2	0	0	0	0	1397
Rotorua District	11	0	0	0	0	0	0	4	0	0	2	4830	0	0	0	0	4836
Otorohanga District	12	0	18	0	0	0	0	2	13	0	0	0	343	0	0	0	376
Western Bay of Plenty District	13	0	0	0	243	0	0	0	0	22	0	0	0	1450	0	0	1715
Auckland	14	0	0	153	0	0	0	0	0	0	0	0	0	0	2730	32	2915
External	15	21	0	5	0	0	0	0	0	0	0	0	0	0	58	0	84
TOTAL		10827	2829	2150	9683	2849	2064	3306	610	1054	1398	4837	376	1753	2921	60	46717

Table C1.4 : 2018, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	1380	12	18	0	0	0	0	0	0	0	0	0	0	0	4	1414
Waipa District	2	37	9	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Waikato District	3	22	0	5	0	0	0	0	0	0	0	0	0	0	0	0	27
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hauraki District	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
TOTAL		1443	21	24	0	0	0	0	0	0	0	0	0	0	0	4	1491

C.2 2025

Table C2.1 : 2025, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	48300	2900	4910	1	0	428	0	2	5	20	0	41	0	20	86	56713
Waipa District	2	2970	17100	1390	23	0	409	1	80	3	292	10	860	9	1	4	23151
Waikato District	3	4950	1350	15500	2	70	433	0	1	164	20	1	19	3	3660	602	26774
Tauranga City	4	1	20	2	61000	1	209	0	0	15	38	147	0	6460	0	0	67892
Thames-Coromandel District	5	1	0	81	1	12900	27	0	0	701	0	0	0	46	27	18	13801
Matamata-Piako District	6	500	441	449	218	26	11700	0	0	468	346	20	1	103	4	3	14280
Taupo District	7	0	1	0	0	0	0	17100	10	0	267	434	61	0	0	0	17875
Waitomo District	8	3	94	2	0	0	0	7	2900	0	1	0	465	0	0	0	3472
Hauraki District	9	10	4	163	18	644	490	0	0	5640	1	0	0	772	59	39	7839
South Waikato District	10	27	313	22	65	0	329	126	1	1	7670	298	12	26	0	0	8890
Rotorua District	11	1	15	1	197	0	32	320	0	0	282	27500	2	123	0	0	28473

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	52	825	23	0	0	1	55	474	0	14	2	2300	0	0	0	3747
Western Bay of Plenty District	13	1	9	3	6180	36	101	0	0	739	19	86	0	10700	1	1	17875
Auckland	14	30	1	4170	0	24	6	0	0	76	0	0	0	1	22000	1250	27558
External	15	115	4	981	0	26	8	0	0	83	0	0	0	1	1750	0	2968
TOTAL		56960	23077	27697	67704	13727	14174	17609	3469	7894	8970	28498	3761	18244	27522	2002	321307

Table C2.2 : 2025, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	21800	2900	4070	20	6	724	1	16	38	90	9	128	8	245	273	30327
Waipa District	2	3070	2880	510	71	1	227	3	72	8	161	29	311	21	10	12	7385
Waikato District	3	4340	498	3520	14	90	225	0	4	141	23	4	25	17	1130	435	10466
Tauranga City	4	34	59	12	9140	3	196	1	0	24	57	167	1	1680	0	1	11376
Thames-Coromandel District	5	18	2	139	6	2150	41	0	0	295	0	0	0	49	104	96	2900
Matamata-Piako District	6	855	251	230	213	35	1950	1	0	183	143	33	3	77	18	18	4010
Taupo District	7	2	5	0	1	0	1	2730	22	0	365	426	32	1	0	0	3586
Waitomo District	8	26	88	6	0	0	1	13	518	0	4	2	157	0	0	0	814
Hauraki District	9	70	11	140	33	258	203	0	0	943	2	1	0	251	103	97	2112
South Waikato District	10	131	184	29	102	0	143	139	4	2	1200	204	13	31	0	1	2183
Rotorua District	11	21	43	7	242	0	53	272	2	1	190	4040	6	121	0	0	4998
Otorohanga District	12	170	304	31	2	0	4	23	157	0	15	6	388	1	0	1	1102
Western Bay of Plenty District	13	20	20	20	1610	39	70	0	0	223	19	79	0	1760	11	12	3883
Auckland	14	357	8	1340	1	75	26	0	0	145	0	0	0	13	3560	276	5801
External	15	440	10	779	1	111	41	0	0	224	0	0	0	17	393	0	2016
TOTAL		31353	7264	10832	11456	2769	3905	3182	795	2227	2269	4999	1065	4046	5575	1221	92958

Table C2.3 : 2025, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	11000	94	301	0	0	1	0	0	0	0	0	0	0	0	29	11425
Waipa District	2	95	3210	54	0	0	2	0	0	0	2	0	21	0	0	0	3385
Waikato District	3	293	50	2230	0	0	5	0	0	1	0	0	0	0	215	3	2796
Tauranga City	4	0	0	0	10600	0	0	0	0	0	0	0	0	365	0	0	10965
Thames-Coromandel District	5	0	0	0	0	2840	0	0	0	10	0	0	0	0	0	0	2850
Matamata-Piako District	6	1	2	5	0	0	2240	0	0	25	4	0	0	1	0	0	2277
Taupo District	7	0	0	0	0	0	0	3670	0	0	0	5	2	0	0	0	3677
Waitomo District	8	0	0	0	0	0	0	0	585	0	0	0	13	0	0	0	598
Hauraki District	9	0	0	1	0	9	23	0	0	1110	0	0	0	28	0	0	1170
South Waikato District	10	0	2	0	0	0	3	0	0	0	1510	2	0	0	0	0	1518
Rotorua District	11	0	0	0	0	0	0	4	0	0	2	5390	0	0	0	0	5396
Otorohanga District	12	0	20	0	0	0	0	2	15	0	0	0	413	0	0	0	450
Western Bay of Plenty District	13	0	0	0	330	0	1	0	0	29	0	0	0	1970	0	0	2330
Auckland	14	0	0	260	0	0	0	0	0	0	0	0	0	0	3960	56	4276
External	15	24	0	5	0	0	0	0	0	0	0	0	0	0	103	0	132
TOTAL		11413	3378	2856	10930	2849	2275	3676	600	1174	1518	5397	449	2364	4278	88	53244

Table C2.4 : 2025, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	2230	3	41	0	0	0	0	0	0	0	0	0	0	0	6	2281
Waipa District	2	69	24	1	0	0	0	0	0	0	0	0	0	0	0	0	93
Waikato District	3	49	0	12	0	0	0	0	0	0	0	0	0	0	0	0	61
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
TOTAL		2354	27	54	0	0	0	0	0	0	0	0	0	0	0	7	2442

C.3 2035

Table C3.1 : 2035, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	55900	3410	5540	1	0	476	0	2	5	21	0	47	1	22	90	65515
Waipa District	2	3570	18800	1510	26	0	441	1	85	3	287	8	895	11	1	4	25642
Waikato District	3	5530	1460	18000	2	88	460	0	1	179	19	0	20	3	4520	582	30864
Tauranga City	4	2	31	3	68900	1	244	0	0	15	59	156	0	7530	0	0	76940
Thames-Coromandel District	5	1	0	93	1	12700	27	0	0	683	0	0	0	40	39	20	13604
Matamata-Piako District	6	560	487	478	233	25	12600	0	0	502	380	19	1	124	4	3	15416
Taupo District	7	0	1	0	0	0	0	18500	12	0	294	484	62	0	0	0	19354

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waitomo District	8	3	102	2	0	0	0	8	3120	0	1	0	508	0	0	0	3744
Hauraki District	9	12	4	179	17	655	520	0	0	6170	1	0	0	823	74	37	8491
South Waikato District	10	30	329	22	84	0	381	143	1	1	8120	295	11	40	0	0	9457
Rotorua District	11	1	15	1	294	0	31	350	0	0	277	30000	2	156	0	0	31127
Otorohanga District	12	60	875	24	0	0	1	54	489	0	14	2	2580	0	0	0	4099
Western Bay of Plenty District	13	1	14	4	7120	33	119	0	0	778	31	101	0	12500	1	0	20702
Auckland	14	32	1	5150	0	44	6	0	0	97	0	0	0	1	30600	1680	37612
External	15	109	5	988	0	44	6	0	0	85	0	0	0	1	2440	0	3678
TOTAL		65811	25534	31994	76678	13590	15313	19056	3711	8518	9503	31065	4125	21230	37702	2417	366246

Table C.3.2 : 2035, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	25300	3370	4480	22	6	810	1	19	42	98	8	146	10	257	216	34784
Waipa District	2	3620	3170	555	77	1	247	3	77	8	160	24	328	25	10	11	8317
Waikato District	3	4710	538	4040	15	133	243	0	4	162	23	3	26	21	1400	404	11721
Tauranga City	4	57	92	19	10300	4	229	1	0	25	88	185	2	1880	1	1	12884
Thames-Coromandel District	5	25	3	183	4	2200	45	0	0	295	0	0	0	45	165	121	3087
Matamata-Piako District	6	962	280	252	225	35	2140	1	0	199	157	30	3	93	20	14	4412
Taupo District	7	2	5	0	4	0	2	3000	28	0	402	483	33	3	0	0	3961
Waitomo District	8	31	97	6	1	0	1	17	559	0	4	2	174	0	0	0	892
Hauraki District	9	81	13	160	31	269	217	0	0	1040	2	0	0	280	133	95	2322
South Waikato District	10	142	193	29	138	0	162	173	4	2	1280	204	13	47	0	0	2388
Rotorua District	11	24	46	8	382	0	54	300	3	1	189	4460	6	161	0	0	5634

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	194	327	33	2	0	4	23	161	0	15	5	443	1	0	0	1209
Western Bay of Plenty District	13	33	31	28	1770	39	85	1	0	247	31	94	1	2070	15	12	4457
Auckland	14	375	10	1650	1	162	26	0	0	191	0	0	0	17	5020	331	7782
External	15	210	9	712	1	213	31	0	0	233	0	0	0	15	484	0	1908
TOTAL		35767	8185	12155	12973	3062	4295	3520	855	2446	2449	5499	1175	4667	7505	1205	105758

Table C3.3 : 2035, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	12800	118	371	0	0	1	0	0	0	0	0	0	0	0	32	13322
Waipa District	2	125	3590	61	0	0	2	0	0	0	2	0	22	0	0	0	3803
Waikato District	3	356	57	2640	0	0	5	0	0	1	0	0	0	0	265	3	3326
Tauranga City	4	0	0	0	12900	0	0	0	0	0	0	0	0	509	0	0	13409
Thames-Coromandel District	5	0	0	0	0	2830	0	0	0	10	0	0	0	0	0	0	2840
Matamata-Piako District	6	2	2	5	0	0	2440	0	0	27	4	0	0	1	0	0	2480
Taupo District	7	0	0	0	0	0	0	3990	0	0	0	5	2	0	0	0	3997
Waitomo District	8	0	0	0	0	0	0	0	641	0	0	0	15	0	0	0	656
Hauraki District	9	0	0	1	0	9	25	0	0	1230	0	0	0	29	0	0	1294
South Waikato District	10	0	2	0	0	0	4	0	0	0	1620	2	0	0	0	0	1629
Rotorua District	11	0	0	0	0	0	0	4	0	0	2	5960	0	0	0	0	5967
Otorohanga District	12	0	21	0	0	0	0	2	15	0	0	0	465	0	0	0	503
Western Bay of Plenty District	13	0	0	0	449	0	1	0	0	29	0	0	0	2320	0	0	2799
Auckland	14	0	0	320	0	0	0	0	0	0	0	0	0	0	5430	110	5860
External	15	27	0	5	0	0	0	0	0	0	0	0	0	0	215	0	248
TOTAL		13310	3791	3403	13349	2839	2478	3996	656	1296	1629	5968	504	2859	5910	145	62134

Table C3.4 : 2035, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	2430	5	38	0	0	2	0	0	0	0	0	0	0	0	7	2482
Waipa District	2	73	26	1	0	0	0	0	0	0	0	0	0	0	0	0	100
Waikato District	3	60	0	14	0	0	0	0	0	0	0	0	0	0	0	0	74
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	0	0	0	0	0	18	0	0	1	0	0	0	0	0	0	19
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
TOTAL		2570	31	52	0	0	20	0	0	2	0	0	0	0	0	7	2683

C.4 2045

Table C4.1 : 2045, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	60800	3900	6420	1	0	510	0	3	6	27	0	54	0	25	96	71842
Waipa District	2	4080	19500	1530	18	0	445	1	85	3	322	7	905	9	1	4	26909

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waikato District	3	6350	1520	19400	1	89	497	0	1	188	21	0	20	2	4870	578	33537
Tauranga City	4	2	23	2	72400	1	229	0	0	22	50	166	0	7850	0	0	80745
Thames-Coromandel District	5	1	0	92	1	13200	29	0	0	690	0	0	0	38	37	16	14102
Matamata-Piako District	6	590	502	497	211	26	13200	0	0	532	414	20	1	123	4	2	16123
Taupo District	7	0	2	0	0	0	0	19100	13	0	314	484	62	0	0	0	19976
Waitomo District	8	4	101	2	0	0	0	8	3200	0	1	0	532	0	0	0	3848
Hauraki District	9	13	5	183	18	667	547	0	0	6510	1	0	0	826	73	32	8874
South Waikato District	10	37	373	25	76	0	422	152	1	1	8300	296	10	37	0	0	9730
Rotorua District	11	1	15	1	347	0	34	351	0	0	302	31600	2	163	0	0	32815
Otorohanga District	12	68	888	23	0	0	1	53	496	0	13	1	2760	0	0	0	4304
Western Bay of Plenty District	13	1	12	3	7510	31	121	0	0	809	28	106	0	13400	0	0	22021
Auckland	14	37	1	5660	0	46	7	0	0	107	0	0	0	0	36200	2000	44058
External	15	114	5	931	0	36	5	0	0	71	0	0	0	0	3080	0	4242
TOTAL		72098	26846	34769	80582	14096	16046	19666	3799	8938	9793	32681	4346	22449	44290	2728	393127

Table C4.2 : 2045, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	27700	3870	5070	17	6	878	1	21	44	119	8	168	9	292	231	38433
Waipa District	2	4150	3390	613	52	1	257	7	78	9	180	21	345	19	11	11	9144
Waikato District	3	5310	605	4560	9	131	276	0	4	168	26	3	27	13	1580	415	13127
Tauranga City	4	54	72	16	11100	6	213	1	0	33	77	203	1	2010	0	0	13789
Thames-Coromandel District	5	33	4	187	4	2330	51	0	0	309	0	0	0	42	150	92	3202
Matamata-Piako District	6	1030	298	281	200	36	2310	2	0	215	177	33	4	89	19	12	4707

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Taupo District	7	2	6	0	5	0	2	3230	42	0	453	424	35	3	0	0	4202
Waitomo District	8	34	99	6	0	0	1	26	595	0	4	1	190	0	0	0	956
Hauraki District	9	93	15	166	31	281	232	0	0	1120	2	0	0	284	127	77	2428
South Waikato District	10	169	218	33	128	0	186	203	3	3	1370	207	13	46	0	0	2580
Rotorua District	11	25	47	7	463	0	59	276	2	1	210	4850	5	169	0	0	6115
Otorohanga District	12	220	344	34	1	0	4	24	170	0	15	4	498	0	0	1	1316
Western Bay of Plenty District	13	34	27	22	1900	40	84	1	0	260	29	102	1	2290	7	4	4800
Auckland	14	423	12	1920	1	159	27	0	0	194	0	0	0	7	6160	379	9281
External	15	210	10	679	0	165	22	0	0	180	0	0	0	4	602	0	1873
TOTAL		39487	9018	13595	13911	3156	4603	3771	915	2536	2662	5857	1287	4984	8949	1223	115952

Table C4.3 : 2045, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	14800	151	543	0	0	2	0	0	0	0	0	0	0	0	36	15532
Waipa District	2	159	3910	64	0	0	2	0	0	0	3	0	23	0	0	0	4161
Waikato District	3	489	62	2970	0	0	6	0	0	1	0	0	0	0	297	3	3827
Tauranga City	4	0	0	0	14700	0	0	0	0	0	0	0	0	606	0	0	15306
Thames-Coromandel District	5	0	0	0	0	3090	0	0	0	11	0	0	0	0	0	0	3101
Matamata-Piako District	6	2	2	5	0	0	2680	0	0	30	5	0	0	1	0	0	2725
Taupo District	7	0	0	0	0	0	0	4300	0	0	0	6	2	0	0	0	4308
Waitomo District	8	0	0	0	0	0	0	0	692	0	0	0	17	0	0	0	709
Hauraki District	9	0	0	1	0	11	28	0	0	1380	0	0	0	31	0	0	1450
South Waikato District	10	0	3	0	0	0	5	0	0	0	1710	2	0	0	0	0	1720
Rotorua District	11	0	0	0	0	0	0	5	0	0	2	6630	0	0	0	0	6638

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	0	22	0	0	0	0	2	17	0	0	0	520	0	0	0	561
Western Bay of Plenty District	13	0	0	0	537	0	1	0	0	32	0	0	0	2620	0	0	3190
Auckland	14	0	0	364	0	0	0	0	0	0	0	0	0	0	6630	170	7164
External	15	31	0	6	0	0	0	0	0	0	0	0	0	0	353	0	390
TOTAL		15481	4151	3952	15237	3101	2723	4307	709	1454	1720	6638	562	3258	7280	210	70783

Table C4.4 : 2045, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	2880	57	62	0	0	2	0	0	0	0	0	0	0	0	8	3009
Waipa District	2	100	35	1	0	0	0	0	0	0	0	0	0	0	0	0	136
Waikato District	3	69	0	16	0	0	0	0	0	0	0	0	0	0	0	0	86
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	11	0	0	0	0	21	0	0	0	0	0	0	0	0	0	33
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
TOTAL		3068	93	79	0	0	23	0	0	1	0	0	0	0	0	8	3271

C.5 2055

Table C5.1 : 2055, Car Driver Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	64200	4100	7350	1	0	528	0	3	6	30	0	57	0	33	102	76410
Waipa District	2	4290	20700	1570	18	0	455	2	84	3	363	11	933	9	1	4	28443
Waikato District	3	7270	1590	20600	1	98	528	0	1	200	23	1	20	2	5050	619	36004
Tauranga City	4	2	22	2	75700	1	255	0	0	33	48	170	0	7850	0	0	84082
Thames-Coromandel District	5	1	0	96	1	13100	29	0	0	691	0	0	0	35	41	17	14010
Matamata-Piako District	6	604	513	515	227	25	13700	0	0	568	428	28	1	130	4	2	16746
Taupo District	7	0	2	0	0	0	0	19700	14	0	324	497	62	0	0	0	20599
Waitomo District	8	4	100	2	0	0	0	8	3320	0	1	0	556	0	0	0	3991
Hauraki District	9	13	5	189	22	674	589	0	0	6770	1	0	0	839	77	33	9213
South Waikato District	10	40	421	26	76	0	437	158	1	1	8570	313	11	36	0	0	10091
Rotorua District	11	1	17	1	386	0	46	353	0	0	337	33200	1	181	0	0	34523
Otorohanga District	12	70	912	23	0	0	1	53	514	0	14	1	2900	0	0	0	4489
Western Bay of Plenty District	13	1	11	3	7470	30	134	0	0	827	26	103	0	12800	0	0	21405
Auckland	14	45	1	6040	0	60	8	0	0	124	0	0	0	0	39500	2140	47920
External	15	121	5	930	0	38	5	0	0	69	0	0	0	0	3430	0	4599
TOTAL		76663	28399	37347	83902	14027	16716	20274	3936	9292	10165	34325	4540	21884	48137	2918	412525

Table C5.2 : 2055, Car Passenger Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	29400	4110	5730	17	6	922	1	21	47	135	11	178	9	386	297	41270
Waipa District	2	4410	3680	673	54	1	272	12	78	9	212	37	373	20	13	13	9856
Waikato District	3	6030	672	5170	10	161	311	0	4	184	30	4	29	13	1750	482	14851

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Tauranga City	4	43	66	13	11800	7	238	1	0	50	74	210	1	2090	0	0	14594
Thames-Coromandel District	5	32	4	212	4	2460	53	0	0	328	0	0	0	42	179	107	3422
Matamata-Piako District	6	1070	313	308	218	35	2490	2	0	235	191	48	4	95	21	13	5043
Taupo District	7	2	9	0	5	0	3	3460	51	0	482	423	36	3	0	0	4474
Waitomo District	8	35	101	6	0	0	1	36	640	0	4	1	205	0	0	0	1029
Hauraki District	9	96	16	178	39	298	253	0	0	1200	3	1	0	305	139	80	2606
South Waikato District	10	182	249	37	131	0	200	223	3	3	1480	229	14	46	0	0	2798
Rotorua District	11	25	54	8	525	0	78	267	2	1	241	5250	4	193	0	0	6646
Otorohanga District	12	231	367	36	1	0	5	25	183	0	16	4	547	0	1	1	1416
Western Bay of Plenty District	13	29	24	19	1940	40	92	1	0	279	27	101	0	2270	6	3	4832
Auckland	14	526	15	2240	1	231	35	0	0	225	0	0	0	8	6950	409	10640
External	15	274	12	745	0	191	25	0	0	175	0	0	0	4	686	0	2112
TOTAL		42384	9691	15376	14745	3431	4977	4029	983	2736	2896	6318	1392	5098	10131	1406	125590

Table C5.3 : 2055, Active Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	16700	179	747	0	0	2	0	0	0	0	0	0	0	0	40	17667
Waipa District	2	187	4380	69	0	0	2	0	0	0	3	0	25	0	0	0	4667
Waikato District	3	648	68	3280	0	0	6	0	0	1	0	0	0	0	318	4	4324
Tauranga City	4	0	0	0	16600	0	0	0	0	0	0	0	0	656	0	0	17256
Thames-Coromandel District	5	0	0	0	0	3200	0	0	0	12	0	0	0	0	0	0	3212
Matamata-Piako District	6	2	2	6	0	0	2890	0	0	35	5	0	0	1	0	0	2941
Taupo District	7	0	0	0	0	0	0	4640	0	0	0	6	3	0	0	0	4649

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Waitomo District	8	0	0	0	0	0	0	0	748	0	0	0	19	0	0	0	767
Hauraki District	9	0	0	1	0	12	33	0	0	1520	0	0	0	33	0	0	1598
South Waikato District	10	0	4	0	0	0	5	0	0	0	1840	3	0	0	0	0	1851
Rotorua District	11	0	0	0	0	0	0	5	0	0	3	7350	0	0	0	0	7359
Otorohanga District	12	0	24	0	0	0	0	2	20	0	0	0	573	0	0	0	619
Western Bay of Plenty District	13	0	0	0	575	0	1	0	0	34	0	0	0	2620	0	0	3230
Auckland	14	0	0	402	0	0	0	0	0	0	0	0	0	0	7610	221	8233
External	15	34	0	6	0	0	0	0	0	0	0	0	0	0	473	0	514
TOTAL		17571	4657	4511	17175	3212	2939	4648	768	1600	1851	7359	619	3310	8401	265	78887

Table C5.4 : 2055, PT Sector-to-Sector Trips

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Hamilton City	1	3060	108	79	0	0	1	0	0	0	0	0	0	0	0	8	3256
Waipa District	2	105	50	1	0	0	0	0	0	0	0	0	0	0	0	0	156
Waikato District	3	95	1	21	0	0	0	0	0	0	0	0	0	0	0	0	117
Tauranga City	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thames-Coromandel District	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Matamata-Piako District	6	16	0	0	0	0	36	0	0	2	0	0	0	0	0	0	54
Taupo District	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waitomo District	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	9	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	5
South Waikato District	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rotorua District	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Driver	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
Otorohanga District	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auckland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
External	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
TOTAL		3284	159	102	0	0	38	0	0	5	0	0	0	0	0	9	3597

Appendix D – Boardings by Line

Table D.1 : Boardings by Line

Line Name and Direction	AM Peak Boardings					Interpeak Boardings					Comment, AM vs IP
	2018.0	2025.0	2035.0	2045.0	2055.0	2018.0	2025.0	2035.0	2045.0	2018.0	
Pukete In	59.3	41.8	52.5	54.9	35.7	21.8	11.9	24.1	27.4	28.2	
Pukete Out	88.3	79.0	69.9	72.6	77.4	21.5	51.9	75.4	79.2	70.8	
Silverdale In	156.3					42.6					
Silverdale Out	125.0					24.9					
Dinsdale In	5.1	25.4	52.1	53.0	44.2	10.8	0.3	0.5	0.4	0.2	
Dinsdale Out	94.8	3.3	5.7	6.3	5.4	42.3	10.5	7.1	8.1	12.9	
Flagstaff In	138.6					32.8					
Flagstaff Out	61.2					28.3					
Flagstaff Magellan In		100.4	35.5	41.6	39.6		0.0	0.4	0.2	6.1	
Flagstaff Magellan Out		24.0	94.0	95.5	142.9		0.0	0.0	0.0	2.4	
Flagstaff Te Huia In		9.4	15.9	11.3	18.8		41.9	42.7	48.2	72.4	
Flagstaff Te Huia Out		27.6	9.8	15.3	10.3		51.0	57.8	61.2	61.6	
Flagstaff North via Borman Rd	24.0	176.6	91.7	98.5							AM peak only, 2018-2045
Flagstaff North via Thomas Rd	1.8	50.1	60.2	76.2							AM peak only, 2018-2045
Chartwell In	9.2	86.1	184.8	220.0	282.0	10.7	25.5	55.2	73.0	106.5	
Chartwell Out	3.0	30.2	378.4	466.5	517.0	0.5	5.2	55.1	64.7	83.8	
Mahoe In	89.1					10.7					
Mahoe Out	62.7					10.2					
Glenview In	57.3					25.6					
Glenview Out	28.0					37.3					
Frankton In	90.0					21.2					
Frankton Out	23.3					6.1					
Nawton In	109.4	15.1	27.4	32.1		23.7	0.2	1.7	2.0		

Line Name and Direction	AM Peak Boardings					Interpeak Boardings					Comment, AM vs IP
	2018.0	2025.0	2035.0	2045.0	2055.0	2018.0	2025.0	2035.0	2045.0	2018.0	
Nawton Out	28.1	75.4	17.2	18.4		36.7	0.9	6.4	7.2		
Hillcrest In	62.6	121.4	114.5	122.7	79.1	20.6	4.2	2.6	2.9	4.5	
Hillcrest Out	25.9	40.2	27.1	32.5	38.6	21.1	19.1	5.3	5.2	9.3	
Fairfield TC In	60.6	138.4	118.2	135.6	9.1	15.3	8.6	8.8	7.8	7.9	
Fairfield TC Out	36.8	105.4	129.0	145.9	160.8	25.7	5.0	6.6	9.0	10.5	
Fitzroy In	71.1					22.5					
Fitzroy Out	13.4					9.3					
University In	55.1	188.2	142.2	165.0	108.4	20.4	3.1	0.8	1.0	2.0	
University Out	35.2	14.8	6.3	10.4	11.7	58.4	0.9	1.0	2.1	2.0	
Claudeland In	69.6	86.9	78.2	79.9	95.9	23.4	4.3	9.8	11.3	12.8	
Claudeland Out	40.3	41.4	42.1	46.9	41.0	11.5	2.9	3.8	3.8	5.6	
Rototuna In	84.4	328.7	364.1	352.6	0.0	23.5	70.8	75.0	95.8	0.0	
Rototuna Out	47.3	182.7	137.4	166.6	0.0	23.9	46.4	53.1	56.6	0.0	
Hamilton Gardens Uni In	18.1	6.6	10.7	12.6	95.7	0.0	3.2	3.1	3.5	13.0	
Hamilton Gardens Uni Out	22.7	43.9	46.2	45.0	48.7	0.0	32.9	30.3	32.8	8.4	
Te Rapa In	96.5	191.7	167.1	189.4	82.5	89.5	90.7	79.4	89.1	101.8	
Te Rapa Out	71.3	99.8	66.1	70.9	87.9	38.7	13.7	29.1	48.9	56.4	
Bremworth/Temple View In	29.3					1.7					
Bremworth/Temple View Out	46.4					9.1					
Bremworth/Temple View - From Temple View In		84.5	37.9	34.0	81.4		0.0	3.5	3.7	4.6	
Bremworth/Temple View - To Temple View Out		12.5	12.4	11.5	10.0		0.1	3.2	4.4	6.3	
Bremworth/Temple View - From Bremworth In		1.9	11.4	12.1	33.9		48.5	51.8	51.3	54.5	
Bremworth/Temple View - To Bremworth Out		0.6	39.5	44.3	35.6		13.0	20.0	23.7	44.5	
Rototuna Circular - Clockwise	80.0	136.4	154.2	152.1	106.5	28.8	35.5	39.5	45.3	59.7	
Rototuna Circular - AntiClockwise	75.9	160.7	117.0	126.0	122.3	13.5	34.2	27.4	37.0	40.4	
Orbiter - Clockwise	715.3	1313.9	1401.7	1643.7	1696.2	272.3	547.0	634.4	730.1	711.3	

Line Name and Direction	AM Peak Boardings					Interpeak Boardings					Comment, AM vs IP
	2018.0	2025.0	2035.0	2045.0	2055.0	2018.0	2025.0	2035.0	2045.0	2018.0	
Orbiter - AntiClockwise	591.5	1113.7	1110.2	1254.6	1341.9	216.3	571.6	607.4	702.4	717.7	
Comet Mahoe SB		251.8	478.0	468.0			84.4	10.4	9.2		
Comet Mahoe NB		248.1	190.5	214.6			55.7	7.4	9.7		
Comet Glenview SB		56.3	269.3	278.2			8.8	12.2	15.9		
Comet Glenview NB		115.2	194.3	182.1			21.7	2.5	2.0		
Comet Fitzroy SB		77.3	96.2	126.5			92.6	3.3	3.1		
Comet Fitzroy NB		86.1	171.4	199.2			55.2	77.1	77.1		
Meteor Masters EB		428.7	362.0	376.8			14.7	22.0	26.2		
Meteor Masters WB		68.8	256.0	365.0			145.7	72.7	77.5		
Meteor Morrinsville EB		264.8	305.8	334.5			12.0	24.2	34.5		
Meteor Morrinsville WB		295.7	596.0	690.7			15.7	63.0	105.7		
Cambridge To	129.3	270.2	456.7	514.2	518.0	31.2	72.4	84.0	94.9	101.9	
Cambridge From	76.9	232.7	380.3	448.4	469.0	0.0	0.0	10.3	38.4	92.5	
Northern Connector In	175.2	374.3	390.9	448.3	479.2	45.9	89.4	114.1	122.8	127.6	
Northern Connector Out	78.6	200.5	274.5	357.9	356.6	90.3	99.6	48.9	57.6	49.0	
Morrinsville/Paeroa To	79.0	231.0	240.3	267.4	286.3			23.3	20.3	23.0	AM only for 2018 & 2025
Morrinsville/Paeroa From			48.7	55.7	59.3			2.2	18.0	39.8	
Raglan and Whatawhata In	20.8	35.2	47.4	53.6	45.8			38.7	37.5	54.6	AM only for 2018 & 2025
Raglan and Whatawhata Out	8.9	70.7	41.7	48.2	73.3	4.8	6.0	7.1	8.0	9.7	
Te Awamutu To	79.5	305.7	317.2	315.6	423.3	16.6	47.3	49.9	62.6	68.8	
Te Awamutu From	57.3	197.6	284.3	307.3	397.8	14.9	13.8	28.2	47.8	120.4	
Te Kuiti Connector To (Ham)											
Te Kuiti Connector From (Ham)											
Tauwhare Pā To (Ham)		13.7	12.4	14.4	18.0		0.5	0.5	0.6	0.5	
Tauwhare Pā From (Ham)		4.8	5.6	6.4	10.4						AM peak only, 2025-2055
Tamahere/Mātangi To (Ham)		95.7	102.4	106.6	111.1		0.4	0.2	0.2	0.2	

Line Name and Direction	AM Peak Boardings					Interpeak Boardings					Comment, AM vs IP
	2018.0	2025.0	2035.0	2045.0	2055.0	2018.0	2025.0	2035.0	2045.0	2018.0	
Tamahere/Mātangi From (Ham)		66.6	75.0	84.0	97.4		0.5	0.7	1.0	0.3	
Tokoroa Connector To (Ham)		157.0	244.3	263.3	213.0						AM peak only, 2025-2055
Tokoroa Connector From (Ham)											
Rotokauri In			295.5	337.0	444.9			71.0	92.2	112.3	
Rotokauri Out			140.3	158.6	201.7			73.3	86.2	103.8	
Te Rapa Park In		30.9	10.3	11.4	14.4		9.0	3.9	6.5	6.3	
Te Rapa Park Out		28.6	19.4	20.8	18.4		15.0	12.8	13.5	13.3	
Maeroa-Peacockes In		18.2	15.2	124.3	111.4		3.3	0.0	0.5	0.0	
Maeroa-Peacockes Out		0.0	3.9	13.2	10.5		0.1	0.0	30.2	32.4	
Peacockes In											
Peacockes Out											
Glenview-Rototuna In				0.0					0.0		
Glenview-Rototuna Out				0.0					0.0		
Amberfield In		83.8	38.9	48.2			28.4	25.3	32.5		
Amberfield Out		28.3	32.9	15.1			23.1	16.1	23.0		
Bader In											
Bader Out											
CBD-Airport In				365.1					85.7		
CBD-Airport Out				130.1					65.2		
Te Awa Lakes-Rototuna In				18.0	26.7				0.3	0.2	
Te Awa Lakes-Rototuna Out				17.5	10.4				2.6	2.3	
Lake In		49.3	42.5	52.1	82.7						AM peak only, 2025-2055
Lake Out		0.3	0.3	4.2	2.6						AM peak only, 2025-2055
Rotokauri-Rototuna In				44.0	48.6				1.7	3.2	
Rotokauri-Rototuna Out				19.2	21.5				2.1	2.8	
BRT TheBase-Ruakura SB/EB					581.6					75.5	

Line Name and Direction	AM Peak Boardings					Interpeak Boardings					Comment, AM vs IP
	2018.0	2025.0	2035.0	2045.0	2055.0	2018.0	2025.0	2035.0	2045.0	2018.0	
BRT TheBase-Ruakura NB/WB					451.6					119.7	
BRT TeAwa-CBD SB					217.3					21.5	
BRT TeAwa-CBD NB					313.5					67.1	
BRT BoundardRd-Airport SB					230.6					36.9	
BRT BoundaryRd-Airport NB					375.3					44.8	
BRT Lite Mill St-The Base NB					204.3					47.9	
BRT Lite The Base-Mill St SB					408.0					67.9	
BRT Lite CBD-Peacocke SB					199.0					48.6	
BRT Lite Peacocke-CBD NB					313.0					40.2	
BRT Lite Rototuna-BoundardRd SB					147.3					37.9	
BRT Lite BoundardRd-Rototuna NB					146.2					12.6	
Sacred Heart Feeder SB					21.1					0.0	
Sacred Heart Feeder NB					14.9					0.0	
Flagstaff North Borman Feeder In					95.5					0.0	
Flagstaff North Borman Feeder Out					46.7					0.0	
Flagstaff North Thomas Feeder In					38.9					0.0	
Flagstaff North Thomas Feeder Out					10.0					0.0	
Glenview Feeder In					11.1					4.7	
Glenview Feeder Out					25.0					0.6	
Mahoe Feeder In					119.3					16.3	
Mahoe Feeder Out					20.8					4.2	
Silverdale Feeder In					117.3					6.8	
Silverdale Feeder Out					25.6					6.3	
Peacockes Feeder In					13.2					4.9	
Peacockes Feeder Out					3.0					1.6	
Total Boardings	4309.3	9546.6	11869.0	14022.2	14162.9	1556.9	2670.3	2927.6	3652.1	3949.0	