Waikato Regional Transport Model

Three Step Validation Update (2006)

Technical Note 28

November 2014

TDG Ref: 12163.004 2014 wrtm three step validation update tech note 28.doc.docx

Waikato Regional Transport Model

Three Step Validation Update

Technical Note 28

Quality Assurance Statement

Prepared by:

Matt Ellery

Senior Transportation Planner

Reviewed by:

Grant Smith

Principal Consultant

Approved for Issue by:

Julie Ballantyne

Technical Director

Status: Final report

Date: 10 November 2014

PO Box 8615, Riccarton, Christchurch 8440
New Zealand

P: +64 3 348 3215

www.tdg.co.nz

Table of Contents

1. Purpose 2

2. Introduction 3

3. Assignment Approach 4
   - 3.1 Assignment Overview 4
   - 3.2 Loading Profile 4
   - 3.3 Network Links 6
   - 3.4 Network Intersections 9

4. Model Convergence 13
   - 4.1 Assignment and Validation Loop 13
   - 4.2 Link Flow Convergence 14

5. Travel Time Validation 15

6. Validation Against Traffic Counts 23
   - 6.1 Network Validation 23
   - 6.2 Morning Peak Validation 30
   - 6.3 Interpeak Validation 38
   - 6.4 Evening Peak Validation 45

7. Intersection Movement Validation 52

8. HIS Sector-to-Sector Trip Validation 53

1. Purpose

The purpose of this note is to document the procedure followed to assign vehicle trips to the road network for the calibrated base year of the model(2006), and to report on the model validation after assignment of the three step model (version 101).

This document shows the development of the 2013 update of the WRTM, referred to as the "version 101" model. One of the reasons for the major update of the model was to increase the number of zones and the 'precision level' of the model. That work began using 2006 as the base prior to the 2013 Census data becoming available.

The 2006 based version 101 model has been taken to a point where it incorporates the new zone system, attraction and distribution parameters, and was partially validated when the 2013 data became available. At that point work concentrated on the 2013 model as it was to supersede the 2006 version and further work would have been superfluous.

2. Introduction

In this technical note, the following topics are covered for 2006 outputs from the 2013 update of the WRTM three step model:

- The vehicle assignment – the approach, equations, and key parameter values;
- Convergence of the model – demonstration that the model converges;
- Validation – modelled travel times are compared with observed; and
- Validation – modelled flows are compared with observed traffic counts.

The focus of this technical note is documentation of the three step model assignment and validation to observed datasets.

3. Assignment Approach

3.1 Assignment Overview

In this application intersections have been explicitly modelled during the assignment process, where the delay is a function of the approach flow and the conflicting flows. This is true also of signals as the cycle time and phase splits are internally calculated, rather than being user defined. The assignment technique has been applied as an incremental assignment.

3.2 Loading Profile

The trip generation and trip distribution phases produce trip matrices which have been assigned to the road network using an incremental time dependent assignment procedure with multiple iterations and loading profiles as shown in **Table 1**. The profiles have been derived from 15-minute counts in the study area.

In this procedure, traffic is loaded in time slices onto the network at flow rates that approximate the traffic flow profile over the time period being modelled. Interzonal time and distance and toll matrices are extracted (or skimmed) during the assignment process. These are weighted sums corresponding to the skim points on the loading profile and are fed back into the distribution phase.

The assignment procedure is explained in the TRACKS user manual. To summarise, in each iteration a proportion of the matrix is loaded according to the loading profile derived from traffic counts over the period (i.e., **Table 1** profiles). As a consequence the profiles for each period are different. Where there are a number of iterations before a skim (i.e. iterations 1 through 5 in the AM peak period) the process is effectively an incremental assignment for that proportion (54%) of traffic, but with the start times and delays as calculated at the end of the previous skimmed iteration. Times and distances are accumulated at the skim point. If iterations are successively skimmed, then the assignment is an 'all or nothing' assignment for the proportion being loaded e.g. iteration 10 with 6% being loaded.

The profile can be altered for future runs, but it must be kept constant for all assignments (do min and options) in any given year.

Assignment Increment	% Trip Matrix Loaded	% of Peak Hourly Flow Rate	Steady State Time (Minutes)	Perceived Assignment costs	
Morning Peak Period					
1	11	0	0	Light Vehicles	Heavy Vehicles
2	11	0	0		
3	11	0	0		
4	11	0	0		
5	10	54	15	32.47 cents per minute	32.73 cents per minute
6	10	0	0		
7	11	75	15		
8	6	0	0		
9	6	87	15	17.0 cents per km	74.0 cents per km
10	6	93	15		
11	5	98	30		
12	1	99	15		
13	1	100	15		
Interpeak Peak Period					
1	12	0	0	Light Vehicles	Heavy Vehicles
2	12	0	0		
3	12	0	0		
4	12	0	0		
5	12	0	0	32.47 cents per minute	32.73 cents per minute
6	11	0	0		
7	10	0	0		
8	10	91	15		
9	1	92	15	17.0 cents per km	74.0 cents per km
10	1	93	15		
11	2	95	15		
12	2	97	15		
13	1	98	15		
14	1	99	15		
15	1	100	15		
Evening Peak Period					
1	10	0	0	Light Vehicles	Heavy Vehicles
2	10	0	0		
3	10	0	0		
4	10	0	0		

Assignment Increment	% Trip Matrix Loaded	% of Peak Hourly Flow Rate	Steady State Time (Minutes)	Perceived Assignment costs	
5	10	0	0		
6	10	0	0		
7	10	0	0	32.47 cents per minute	32.73 cents per minute
8	10	0	0		
9	7	87	15		
10	3	90	15		
11	2	92	15	17.0 cents per km	74.0 cents per km
12	1	93	30		
13	2	95	15		
14	4	99	15		
15	1	100	15		

Table 1: Assignment Parameters

3.3 Network Links

Travel journey times will be established by a combination of link times and delays at intersections. The simplest form of calculating journey times in the 1960's and 70's was where all delay (link and intersection) was attributed to a link. Volume/delay relationships were derived for various types of road. Selection of the appropriate curve was made on the basis of a number of variables that physically describe the road.

Results from more recent surveys have allowed 'link only' delays to be empirically separated from intersection delays. The volume delay relationships used in this study will be for delays on links only and were based on those analytically derived by Akcelik (1991) using a time dependent Davidson model. As a result, these curves give 'link only' delays, allowing intersection delays to be separately calculated. The J_A parameter, or friction factor, in Akcelik's equation for travel time was set for each link type so that Vcapacity/Vfree flow = 0.5. This is consistent with standard traffic theory and Fisk's behavioural model and matches data surveyed in New Zealand. As a result these curves give 'link only' times, allowing intersection delays to be separately calculated. Each link in the network is given a volume delay curve depending of the speed limit, function and characteristic of the road the link represents. A steady state period of one hour was used.

Akcelik's formula is:

$$t = t_O \left\{ 1 + 900\, r_f \left[(x - 1) + \left((x-1)^2 + (8 J_A x) / (Q t_O r_f) \right)^{1/2} \right] \right\}$$

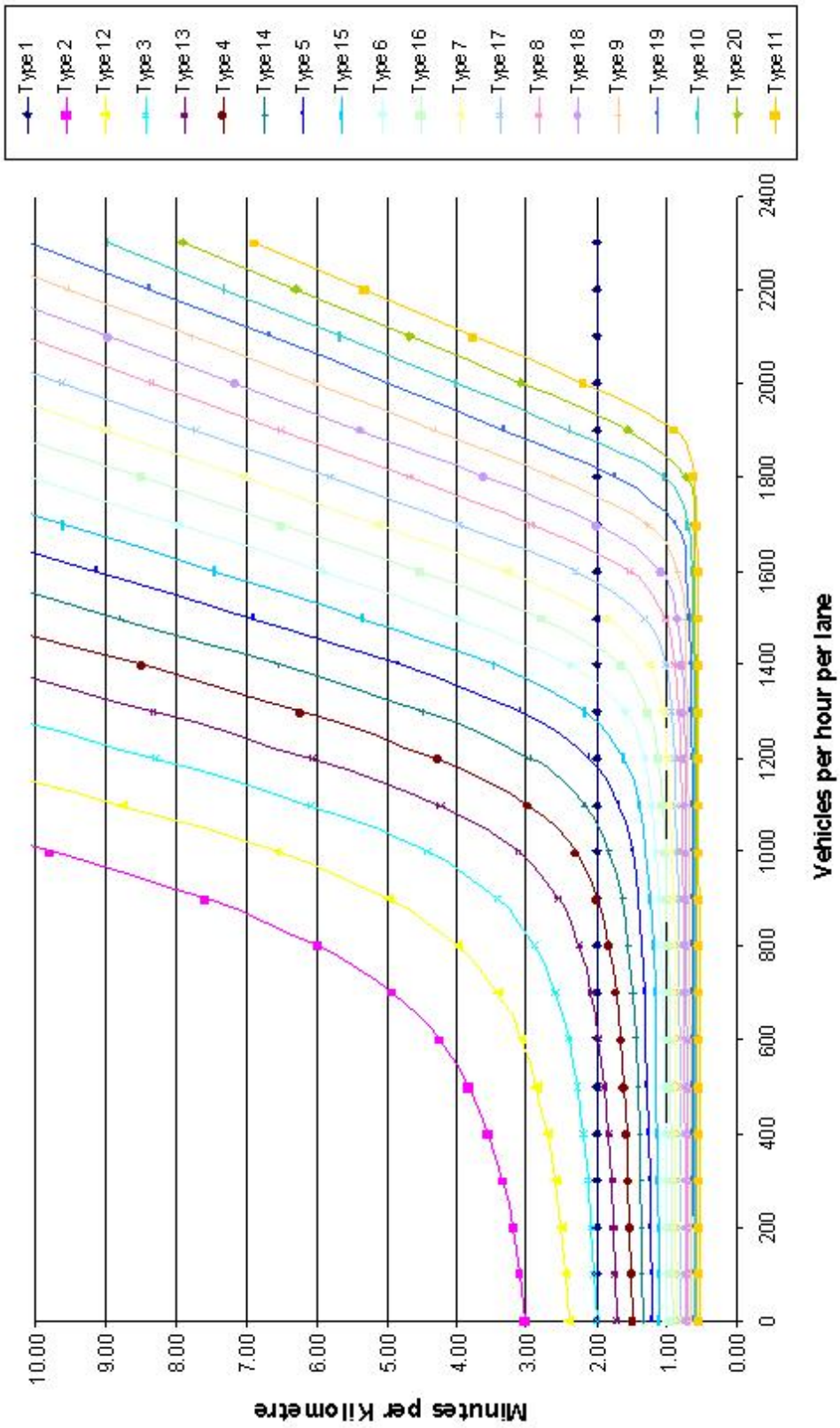
Where:

t = travel time per unit distance (secs/km)
t_O = minimum (zero flow) travel time per unit distance (e.g., secs/km)
J_A = delay (side friction, level-of-service(LOS)) parameter

x	=	q/Q = degree of saturation
q	=	demand (arrival) flow rate (veh/sec)
Q	=	capacity (veh/sec) per lane
r_f	=	ratio of flow period T_f, to minimum travel time t_o

Twenty curves were developed with free flow times at 5km/hr intervals. The capacities and J_A values used for each curve are given below. Curve number 1 is a flat line for a zone connector as shown in **Figure 1**. Each link in the network was allocated a curve from an assessment of the free flow speed, its capacity and the environmental conditions of the link.

New future links should be coded by assessing the environment in which the link will operate, and choosing a curve with an appropriate free flow speed and capacity, given the way in which a link with a similar curve operates under current traffic condition.



Volume – Delay Curves

1

3.4 Network Intersections

Each intersection on the road network is coded explicitly. The coding adopted in TRACKS to represent the different types of approach control is:

Type 0	-	Not controlled, has priority
Type 1	-	No controls marked, non-priority
Type 2	-	Merge
Type 3	-	Roundabout
Type 4	-	Give Way, non-priority
Type 5	-	Stop, non-priority
Types 6,7	-	Signals
Types 8,9	-	Signals

3.4.1 Priority Intersections

Delays at priority intersections are calculated at the movement level. That is, left, right and through movements on all legs have delays calculated specifically.

The approach lanes at each intersection are coded as one of eight movement types as shown below. The opposing traffic flows are calculated from the intersection geometry, determined from the link coordinates.

- Left, Through and Right
- Left and Right
- Left
- Left free
- Left and Through
- Through
- Through and Right
- Right

The way each lane type was treated came from the publication titled, “Performance Analysis of Priority Intersections - A Practitioner’s Guide” by Gabites Porter:(1991).

A queuing theory model is used to calculate the delays. The queuing theory formulation adopted is that described by Fisk (1989), which uses an M/M/1 model (indicates a queuing system with negative exponential distributions for arrival headway and service times, with one service channel) and a coordinate transformation approximation to allow for over-saturated conditions.

The formulation is:

d	=	r/μ (1 - r)	steady state conditions, r<1
		(r - 1) T/2	deterministic conditions, r>1

Where:

r = q_2 / μ

$$\mu = \frac{q_1 e^{-q_1 t}}{1 - e^{-q_1 b}}$$

T = duration of time period over which a steady state is assumed

q_1 = major road flow rate

q_2 = minor road flow rate, always defined as approach being delayed

t = critical gap

b = move-up time for minor road traffic

μ = mean service rate

r = traffic intensity

Fisk shows that the delay equation can be written:

$$d = \frac{-(2 + \mu t - r\mu t) + \sqrt{(2 + \mu t - r\mu t)^2 + 8r\mu t}}{4\mu} + \frac{1}{\mu}$$

when the coordinate transform is included and this formulation is used. The default critical gaps and move-up times used are included in **Table 2**. Other assignment parameters included in the model are reported in **Table 3**.

Lane Type	Critical Gap (sec)	Move-up /time (sec)
Left turn-non-priority	5.0	3.0
Left turn-priority	5.0	3.0
Thru/Right-non-priority	5.0	3.0
Thru/Right-priority	5.0	3.0
Merge	3.0	2.0
Roundabout	4.0	3.0
Bottleneck	3.0	2.0

Table 2: Intersections: Critical Gap and Move-up Times

Note: A bottleneck is automatically recognised at a node where the number of lanes leaving the node is less than the number of lanes entering the node

TRACKS also uses a lane sharing algorthim that uses an equilibrium assignment to allocate vehicles among lanes for priority intersections. The parameters for this are shown in Table 3.

Parameters	Factor
Tracking headway	1.2 seconds
Lane sharing convergence parameter	0.01000
Number of external iterations	50
Number of internal iterations (land sharing algorithm)	200

Table 3: Intersections: Lane sharing parameters

3.4.2 Traffic Signals

Delays at signalised intersections are calculated according to turning movements using the formulations in ARR123, including equations 6.4, 6.3 and 6.1 shown below. While ARR123 is the basis for SIDRA it does not give exactly the same results, especially for the more recent versions of SIDRA.

A general formula for the average delay per vehicle, d (in seconds) is:

d = D/q **eqn (6.4)**

Where:

D = total delay (veh/hr/hr)

q = flow rate (veh/s)

$$D = \frac{qc\ (1 - u)^2}{2\,(1 - y)} + N_0\, x \quad \textbf{eqn (6.3)}$$

Where:

qc = average number of arrivals in vehicles/cycle

q = flow (veh/sec)

c = cycle time (sec)

u = green time ratios = g/c

y = flow ratio = q/s

s = saturation flow (veh/sec)

N_o = average overflow queue (vehicles)

x = q/Q = degree of saturation

$$N_0 = \begin{cases} \frac{QT_f}{4}\left[z + \sqrt{z^2 + \frac{12(x - x_0)}{QT_f}}\right] & \text{for } x > x_0 \\ 0 & \text{for } x \le x_0 \end{cases}$$ **eqn (6.1)**

Where:

Q = capacity (veh/hr)

T_f = flow period (hours)

z = x - 1

x_o = degree of saturation below which the average overflow queue is approximately zero = 0.67 + sg/600

Signalised intersections were modelled specifically and each required a SIDRA input data file.

3.4.3 Geometric Delays

The delays calculated above are the stopped delays for vehicles. As vehicles decelerate to stop or negotiate a corner a geometric delay is encountered. The geometric delay is calculated from the formulations described in a 1991 report by Gabites Porter entitled *'Performance analysis of Priority Intersections – a Practitioners Guide'.*

.

4. Model Convergence

4.1 Assignment and Validation Loop

Time and distance matrices are required as inputs for trip distribution. As assigning the trips to the network generates these matrices, after each assignment the trip distribution needs to be re-run and the trips re-assigned until the time and distances matrices converge.

In practice, it is unlikely that absolute convergence occurs. The assignment and distribution steps are run iteratively until the totals of both the time and distance matrices between successive runs remain close to each other and relatively constant.

The totals for the time and distance matrices for two successive assignment/distribution Loops (after many previous runs) are shown below in **Table 4** where:

TVM = Total Vehicle Minutes

TVK = Total Vehicle Kilometres

	AM Peak		Interpeak		PM Peak	
	TVM	TVK	TVM	TVK	TVM	TVK
Last Run	3141044	3073874	2717708	2751941	3758364	3579030
Previous Run	3141538	3074736	2717771	2752094	3757747	3579351
Absolute Difference	494	862	63	153	617	1
% Diff	0.016%	0.028%	0.002%	0.006%	<0.016%	<0.009%

Table 4: Model Convergence – Between Distribution And Assignment

The percentage change in generalised user cost between consecutive loops should be less than 1%. As the total vehicle minutes and total vehicle kilometres change by less than 1% between runs (shown above), and unit time and distance costs are constant between runs, generalised user cost also changes by less than 1% between iterations.

When validating the model it is difficult to get a long series of runs prior to convergence because of the continual changing of the model outputs from each step, even though these changes were often small. In general the model re-converged after two or three iterations. The periods were then run several times after convergence and remained stable.

For any model, if the network is heavily congested, convergence may not occur. Although the network is currently stable, when any changes are made to the network (e.g. option testing or land use), then convergence must be checked to ensure the model is still stable. In the unlikely event of the model not stabilising, modifications will have to be made to the network so that the model will converge. These modifications should then be incorporated into the option or year being tested.

Another check on the assignment convergence stability is that the proportion of links in the entire network with flows changing less than 5% from the previous iteration, and consecutive iterations with proportions greater than 95% (EEM Worksheet 8.4).

4.2 Link Flow Convergence

The EEM requirement for link flow stability details that 95% of all links should not change by more than 5% between the ultimate and penultimate distribution/assignment convergence loops. The percentage of total links with changes of less than 5% for the three modelled periods is shown in **Table 5** below.

Period	Criteria	Links	Percentage	Less than 5%
AMP	0% - 2.5%	27107	98.84%	99.50%
	2.5% - 5%	182	0.66%	
	> 5%	135	0.50%	
Total		**27424**	**100**	
INP	0% - 2.5%	27347	99.72%	99.88%
	2.5% - 5%	45	0.16%	
	> 5%	32	0.12%	
Total		**27424**	**100**	
PMP	0% - 2.5%	27232	99.30%	99.81%
	2.5% - 5%	140	0.51%	
	> 5%	52	0.19%	
Total		**27424**	**100**	

Table 5: Model Convergence – within assignment

The results in this table demonstrate that the model assignment converges for each peak period, exceeding the EEM targets.

5. Travel Time Validation

Between 3 and 30 March 2009, 11 regional and six urban travel time routes were surveyed. The results were incorporated into the WRTM to validate travel times in the morning peak, interpeak and evening peak periods. The locations of the regional routes are presented in **Figure 2** and the urban Hamilton routes are indicated on **Figure 3.**

A summary of the model versus survey travel times is included here as **Table 6** and **Table 7**. These tables detail the surveyed mean, maximum, minimum and standard deviations for each route within the Hamilton urban area and the Waikato regional area respectively. They also detail the percentage difference and absolute difference between the modelled journey times and the surveyed average journey times.

Appendix A contains the full travel time validation output files from the TRACKS model.

In all three periods journey validation for regional routes were mostly satisfactory, except for some adjustment needed on SH1 between Tirau and Hamilton as well as on SH1B near Cambridge in order to fully meet EEM criteria.

Note that the surveys were undertaken during the construction phase leading up to the 2009 V8 Supercar Race Meeting in Hamilton and were in many instances affected by detours, maintenance work and general road reconstruction in heavily trafficked areas. Even though these surveys occurred 4-6 weeks prior to the actual race, preparations on the roads making up the race circuit started two months before the race and therefore included the survey period. The window of opportunity for undertaking these surveys meant that these surveys had to occur at this time even though some interruption was inevitable.

These interruptions to normal traffic flow had their greatest effect during the AM and PM peak periods when traffic density was at its greatest and congestion amplified. Most InterPeak Hamilton routes were satisfactory as this interruption affected fewer vehicles and general congestion levels were less.

Where interruption occurred, a 'kick' in the surveyed journey route travel profile occurred that could not be replicated by the model. In most instances, if this extended surveyed delay were to be removed the modelled travel profile would follow the unaffected surveyed profile. These interruptions are not truly indicative of the operation of the Hamilton network and have been removed where they could be positively identified as resulting from construction.

Surveyors indicated that significant delay occurred due to either diverted traffic or reconstruction at the following locations:

(i) Road works along Avalon Drive

(ii) Road works at Greenwood/Killarney Roundabout

(iii) Tristram St reconstruction and diversion

(iv) Tristram/London traffic signal re-phasing

(v) Tristram – Norton route reduced to one lane

(vi) Te Rapa/Wairere traffic signal re-phasing and repairs

(vii) Road works along Grey St (operating at 30kph and closed in some instances)

(viii) Road works along Victoria St (operating at 30kph closed in some instances)

(ix) Traffic diverted to Anglesea St route

(x) Anglesea St reduced to 1 lane between London and Bryce

(xi) Traffic lights at Mill/Angelsea operating incorrectly

(xii) Ohaupo/Kahikatea traffic signals operation issues being repaired

(xiii) Bridge St affected by diverted traffic

(xiv) Re-construction along Heaphy Tce

(xv) Peachgrove Rd from Galloway St affected by diversion

AM PEAK		Accumulated Time (in Seconds)							
		Observed					Modelled		
Journey - Hamilton Routes	Distance (km)	Minimum	Average	Max	Avg Tbl 1	Std Dev	Time	Diff	% Diff
H1NB	13.7	1203	1379	1581	1234	170	1363	-16	-1.16%
H1SB	13.6	1113	1225	1399	1108	135	1313	88	7.18%
H2EB	20.7	1342	1838	2170	2124	267	1709	-129	-7.02%
H2WB	20.6	1520	1913	2440	2165	344	1766	-147	-7.68%
H3EB	6	545	609	693	576	60	610	1	0.16%
H3WB	6	642	747	1060	661	199	671	-76	-10.17%
H4EB	7.6	734	975	1422	955	273	956	-19	-1.95%
H4WB	7.6	723	824	971	769	100	980	156	18.93%
H5NB	5.5	501	612	715	565	84	624	12	1.96%
H5SB	6	570	631	702	563	55	597	-34	-5.39%
H6aEB	4.1	345	469	609	536	95	466	-3	-0.64%
H6aWB	4.1	281	518	755	831	209	570	52	10.04%
H6bNB	1.6	142	205	288	205	53	194	-11	-5.37%
H6bSB	1.6	200	212	224	188	19	222	10	4.72%
H6cEB	1.6	23	167	311	366	93	151	-16	-9.58%
H6cWB	1.6	100	250	310	300	59	233	-17	-6.80%

INTERPEAK		Accumulated Time (in Seconds)							
		Observed					Modelled		
Journey - Hamilton Routes	Distance (km)	Minimum	Average	Max	Avg Tbl 1	Std Dev	Time	Abs Diff	% Diff
H1NB	13.7	1087	1219	1152	1325	99	1328	109	8.94%
H1SB	13.6	1232	1264	1160	1306	29	1285	21	1.66%
H2EB	20.7	1601	1651	1640	1715	47	1610	-41	-2.48%
H2WB	20.6	1607	1797	1738	2149	223	1664	-133	-7.40%
H3EB	6	590	627	601	666	38	656	29	4.63%
H3WB	6	612	706	698	792	70	621	-85	-12.04%
H4EB	7.6	782	874	848	1074	120	961	87	9.95%
H4WB	7.6	721	772	783	815	36	897	125	16.19%
H5NB	5.5	549	663	622	737	79	626	-37	-5.58%
H5SB	6	587	650	609	733	63	573	-77	-11.85%
H6aEB	4.1	404	431	403	468	20	455	24	5.57%
H6aWB	4.1	379	383	346	387	7	468	85	22.19%
H6bNB	1.6	167	206	219	269	36	183	-23	-11.17%
H6bSB	1.6	232	257	235	282	38	232	-25	-9.73%
H6cEB	1.6	47	187	396	327	93	150	-37	-19.79%
H6cWB	1.6	144	216	294	324	44	203	-13	-6.02%

PM PEAK		Accumulated Time (in Seconds)							
		Observed					Modelled		
Journey - Hamilton Routes	Distance (km)	Minimum	Average	Max	Avg Tbl 1	Std Dev	Time	Abs Diff	% Diff
H1NB	13.7	1278	1550	1438	1876	237	1428	-122	-7.87%
H1SB	13.6	1362	1504	1418	1708	158	1627	123	8.18%
H2EB	20.7	1866	1926	1964	1982	42	1954	28	1.45%
H2WB	20.6	1941	2265	2232	2649	307	1881	-384	-16.95%
H3EB	6	655	767	728	929	112	778	11	1.43%
H3WB	6	703	787	728	871	71	678	-109	-13.85%
H4EB	7.6	1122	1346	1144	1756	313	1190	-156	-11.59%
H4WB	7.6	818	987	909	1074	112	1007	20	2.03%
H5NB	5.5	617	703	684	769	63	657	-46	-6.54%
H5SB	6	626	714	678	802	65	630	-84	-11.76%
H6aEB	4.1	379	529	486	663	107	704	175	33.08%
H6aWB	4.1	615	686	663	783	90	491	-195	-28.43%

H6bNB	1.6	149	243	210	351	105	181	-62	-25.51%
H6bSB	1.6	205	242	219	295	52	383	141	58.26%
H6cEB	1.6	220	257	239	320	59	289	32	12.45%
H6cWB	1.6	161	224	239	303	43	229	5	2.23%

Table 6: Summary of Hamilton Journey Times - All Peaks

24 Hour Regional		Accumulated Time (in Seconds)												
		Observed – 24 Hour				Modelled								
		24 Hour				AM Peak			Inter Peak			PM Peak		
Journey Regional Routes	Distance (km)	Minimum	Average	Max	Std Dev	Time	Abs Diff	% Diff	Time	Abs Diff	% Diff	Time	Abs Diff	% Diff
R1EB SH2	154	6545	6904	7151	299	7057	153	2.22%	6831	-73	-1.06%	7202	298	4.32%
R1WB SH2	154.1	6845	6869	6893	31	7055	186	2.71%	6820	-49	-0.71%	7155	286	4.16%
R2aNB SH1	67.9	2842	2909	2964	61	2827	-82	-2.82%	2816	-93	-3.20%	2881	-28	-0.96%
R2aSB SH1	67.7	2807	2903	2999	126	2839	-64	-2.20%	2830	-73	-2.51%	2870	-33	-1.14%
R2cNB SH1	17	688	735	768	29	689	-46	-6.26%	683	-52	-7.07%	685	-50	-6.80%
R2cSB SH1	17	692	729	786	38	684	-45	-6.17%	687	-42	-5.76%	699	-30	-4.12%
R2dNB SH1	33.4	1225	1483	2045	201	1394	-89	-6.00%	1385	-98	-6.61%	1400	-83	-5.60%
R2dSB SH1	33.4	1197	1465	1769	158	1338	-127	-8.67%	1328	-137	-9.35%	1339	-126	-8.60%
R3aNB SH1B	29.3	1197	1264	1379	104	1294	30	2.37%	1287	23	1.82%	1297	33	2.61%
R3aSB SH1B	29.3	1149	1253	1405	132	1277	24	1.92%	1272	19	1.52%	1285	32	2.55%
R3bNB SH1B	17	769	816	862	56	762	-54	-6.62%	754	-62	-7.60%	767	-49	-6.00%
R4EB SH29	60.1	2583	2600	2617	24	2567	-33	-1.27%	2547	-53	-2.04%	2580	-20	-0.77%
R4WB SH29	60	2430	2553	2772	184	2441	-112	-4.39%	2444	-109	-4.27%	2474	-79	-3.09%
R5NB SH1	31.5	1308	1395	1538	105	1353	-42	-3.01%	1350	-45	-3.23%	1358	-37	-2.65%
R5SB SH1	31.5	1268	1355	1510	91	1352	-3	-0.22%	1349	-6	-0.44%	1358	3	0.22%
R6NB SH32	118	4682	5039	5358	338	5132	93	1.85%	5130	91	1.81%	5135	96	1.91%
R6SB SH32	118	5020	5138	5256	165	5130	-8	-0.16%	5135	-3	-0.06%	5143	5	0.10%
R7NB SH1	58.6	2665	2668	2671	2	2609	-59	-2.21%	2669	1	0.04%	2794	126	4.72%
R7SB SH1	58.6	2508	2710	2863	95	2695	-15	-0.55%	2670	-40	-1.48%	2695	-15	-0.55%

24 Hour Regional		Accumulated Time (in Seconds)												
		Observed – 24 Hour				Modelled								
		24 Hour				AM Peak			Inter Peak			PM Peak		
Journey Regional Routes	Distance (km)	Minimum	Average	Max	Std Dev	Time	Abs Diff	% Diff	Time	Abs Diff	% Diff	Time	Abs Diff	% Diff
R8NB SH1	56.7	2076	2076	2076	0	2016	-60	-2.89%	2023	-53	-2.55%	2023	-53	-2.55%
R9NB SH5	122	4865	5111	5357	336	5135	24	0.47%	5129	18	0.35%	5299	188	3.68%
R9SB SH5	122	5052	5161	5332	142	5184	23	0.45%	5085	-76	-1.47%	5144	-17	-0.33%
R10aNB SH27	45	1640	1731	1838	100	1699	-32	-1.85%	1698	-33	-1.91%	1700	-31	-1.79%
R10aSB SH27	45	1663	1740	1869	113	1701	-39	-2.24%	1701	-39	-2.24%	1702	-38	-2.18%
R10bNB SH27	47.5	1992	2079	2166	113	2022	-57	-2.74%	2020	-59	-2.84%	2031	-48	-2.31%
R10bSB SH27	47.5	2030	2139	2284	118	2023	-116	-5.42%	2021	-118	-5.52%	2031	-108	-5.05%
R11aNB SH3	52.8	2308	2415	2522	146	2377	-38	-1.57%	2357	-58	-2.40%	2367	-48	-1.99%
R11aSB SH3	52.8	2319	2372	2423	52	2357	-15	-0.63%	2369	-3	-0.13%	2403	31	1.31%
R11bNB SH39	70.3	2828	2876	2942	59	2930	54	1.88%	2921	45	1.56%	2926	50	1.74%
R11bSB SH39	70.4	2903	2906	2909	4	2830	-76	-2.62%	2833	-73	-2.51%	2849	-57	-1.96%

Table 7: Summary of Regional Journey Times - All Peaks

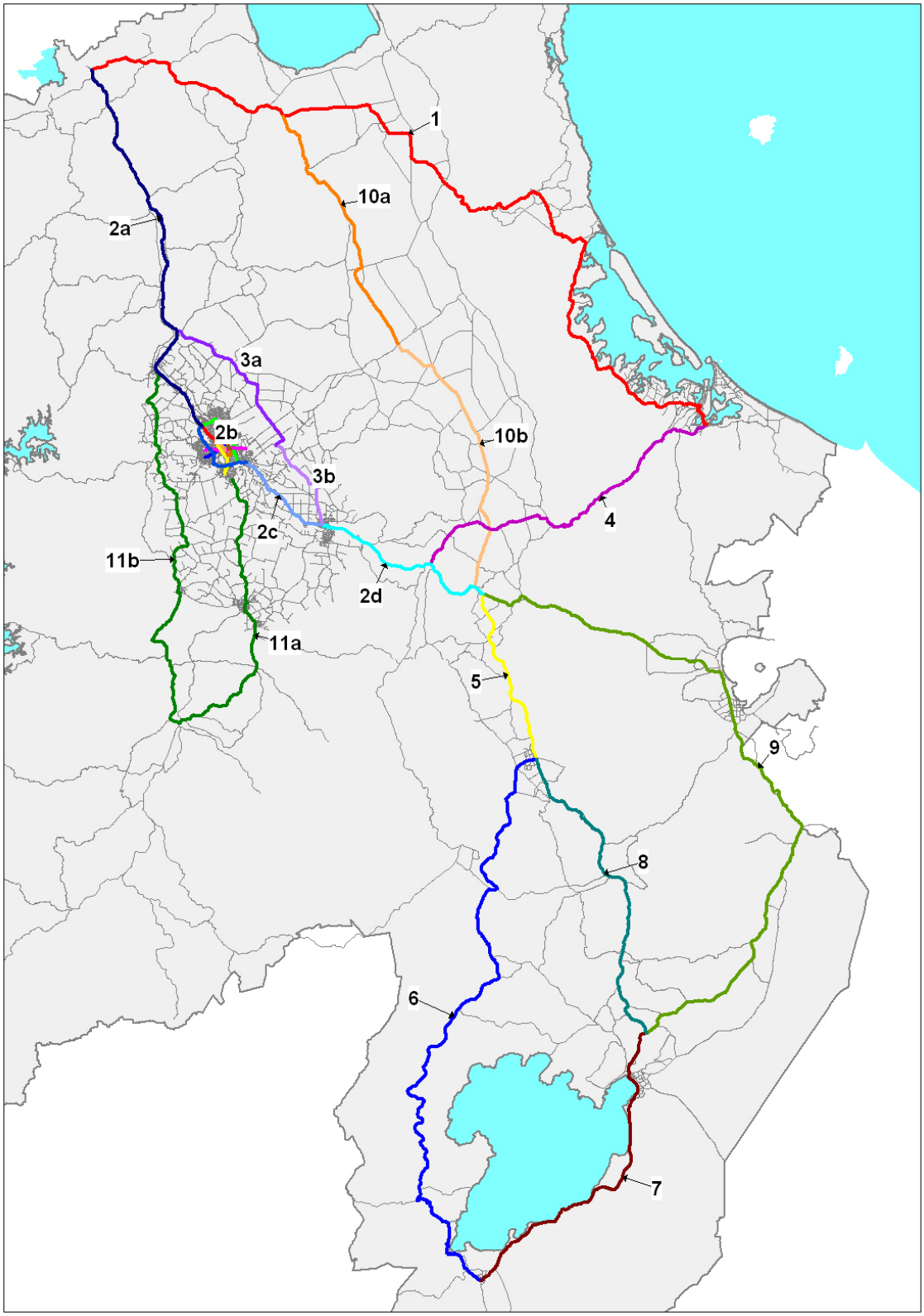
Travel time survey runs were captured in March 2008 over a four week period and include runs taken across Monday through Friday. Analysis of the raw travel time data compared the Friday travel times versus Monday through Thursday travel times for the same run and direction. It was found that in 17 instances the Friday had a greater travel time and in 16 instances it had a lesser travel time. As such Friday data was considered to reflect average conditions. Travel time results published in 'Hamilton Congestion Monitoring Pilot Study' (May 2009) by Beca Infrastructure support this findings, with Friday results not being consistently higher or lower than other weekdays.

Further analysis of the travel time data, considered the level of variability in travel times within the two hour morning peak period of 7:00am to 9:00am. It is evident that the urban runs which commenced between 7:00 and 7:30am were 15-20% shorter than those which commenced after 7:30am, however given that the assigned periods are two hour models it was appropriate that the survey results represented the two hour average which is the case in the analysis included in this report.

Checks have been undertaken to compare the variability in travel time runs in urban areas between peak periods. Regional route 7 passes through Taupo and the Taupo urban area component corresponds with route 3 as reported in the "Taupo Transportation Model Validation Report" (April 2007) prepared by Gabites Porter Consultants.

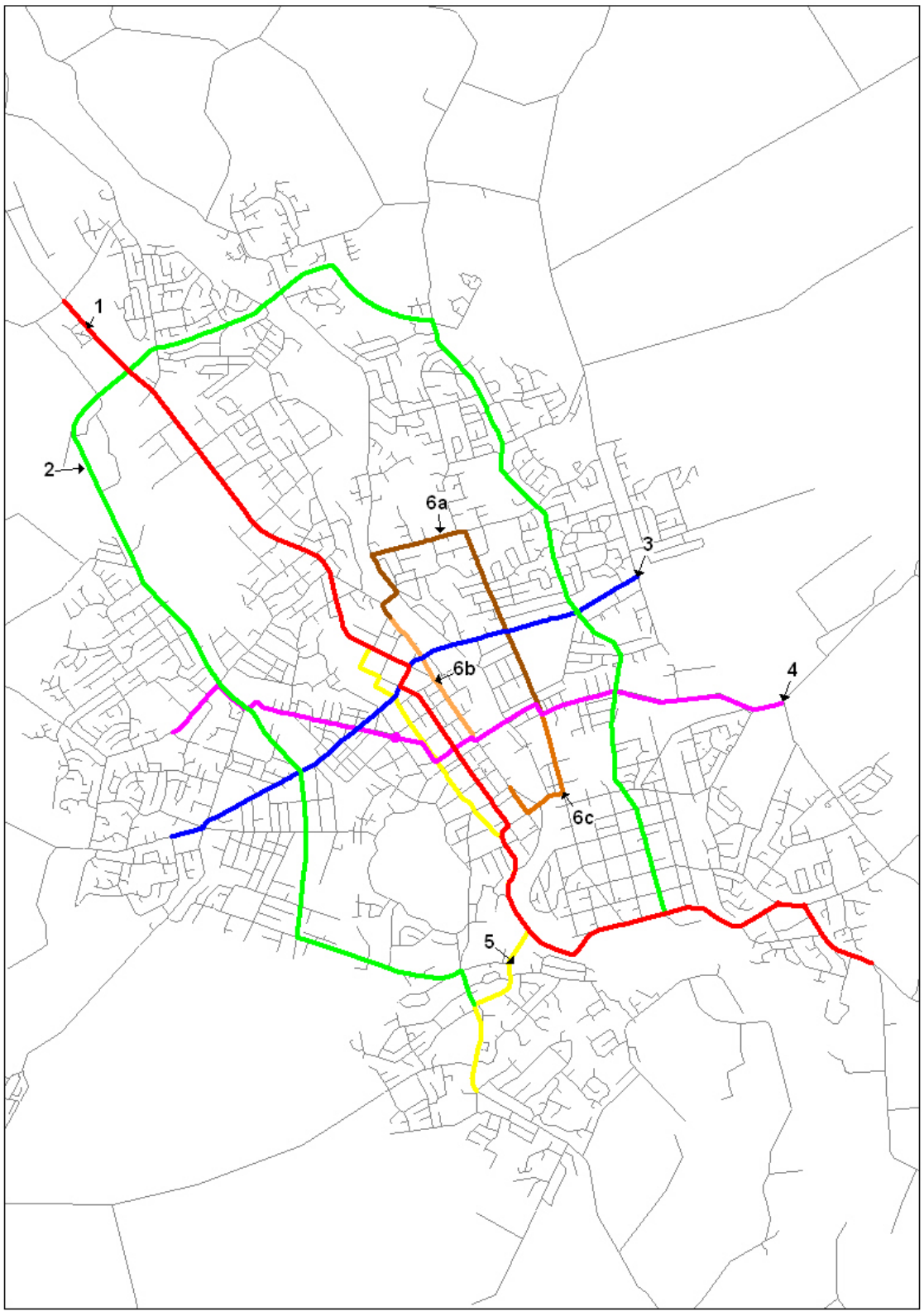
The variation in this route between periods was found to be 70 seconds from the Taupo survey data collected in 2006. Given that the travel time for this route is on average 45 minutes, this variability throughout the course of the day of approximately one minute is considered to be negligible. Similarly, regional route 9 passes through Rotorua and the Rotorua urban area component corresponds with parts of routes 1B and 2 as reported in the "Rotorua Transportation Model Validation Report" (August 2007) prepared by Gabites Porter Consultants.

The variation in these routes between tidal flow and non-tidal flow direction in peak periods was found to be approx 60 seconds from the Rotorua survey data collected in 2007. Given that the travel time for this route is on average 85 minutes, this variability throughout the course of the day of approximately one minute is also considered to be negligible. Any such variations between modelled periods in Hamilton are addressed through the urban travel time surveys.



Regional Surveyed Travel Time Routes in Waikato Study Area (R1-R11B)

2



Hamilton Surveyed Travel Time Routes (H1-H6c)

3

6. Validation Against Traffic Counts

6.1 Network Validation

Network flow comparisons are tested using a number of statistical measures. Traffic counts were grouped into cordons, or screenlines, and the following measures calculated:

- Comparisons of individual links
- Comparisons of total trips over each screenline
- Percentage difference
- Correlation coefficient
- % Root mean square
- GEH

Guidelines for each of the above criteria were obtained from NZTA's Economic Evaluation Manual with the criteria and targets listed in **Table 8**. Since the completion of the validation of the 2006 assignment, new NZTA/NZ Modelling User Group (NZMUGS) guidelines have been developed. Checks of the three step model 2013 assignment consider both the EEM and the more recent NZTA/MZMUGS guidelines, which are reported in Technical Note 30. As the 2006 outputs from this 2013 update are less likely to be used, the focus on the modelled verses observed comparisons are on the EEM guidelines that existed at the time the modelling was undertaken.

The correlation coefficient is a first order measure of the co-relation, using the formula:

$$P_{x,y} = \frac{\frac{1}{n} \Sigma (x_i - \bar{x}_i)(y_i - \bar{y}_i)}{\sigma_x \sigma_y}$$

Where:

Σ = Sum of…

X = Variable X (observed traffic)

Xi = The mean of variable x (observed traffic)

Y = Variable y (modelled traffic)

Yi = The mean of y (modelled traffic)

σ_x = The standard deviation of x (observed traffic)

σ_y = The standard deviation of y (modelled traffic)

n = Number in sample

The GEH is a form of the Chi-squared statistic that incorporates both relative and absolute errors. It is designed to be more tolerant of the large percentage differences in lower flows. The form of the statistic is:

$$GEH = \sqrt{\frac{2(m-o)^2}{m+o}}$$

Where **m** is the modelled flow and **o** is the observed count.

It should be noted that where the model assignments are other than one hour, the traffic volumes have been adjusted to one hour equivalent for GEH comparisons.

The available traffic counts have been arranged into screenlines where possible. In many cases there are roads on a screenline that have not been counted and hence these have had to be omitted. In other cases it was not been possible to create screenlines and hence the extra counts are grouped in the area in which they occur.

The locations of the screenlines and spot counts used for validation are included in **Figure 4** and **Figure 5** (all traffic), and in **Figure 6** and **Figure 7** (heavy vehicles only).

A summary of the cordon results can be found below in **Table 9**, **Table 10** and **Table 11** for the morning, interpeak and evening periods respectively. Corresponding scatterplots for all links in each period are shown in **Figure 8**, **Figure 9** and **Figure 10**, with full cordon outputs in **Appendix B**. Note that the heavy vehicle only cordons are not reported in these tables and figures but will be included in the final 2013 model validation.

Screenline Totals			
Traffic Flow	± 10%		
Correlation Coefficient	>0.85		
% RMS	<30		
GEH	<4 in most cases		
Individual Links (VPD)	**24 Hour**	**1 hr Period**	
0-10,000	± 60%	± 300	
10-20,000	± 40%	± 400	
20-30,000	± 30%	± 600	
30-50,000	± 20%	± 750	
50,000 +	± 20%	± 1,000	
GEH	<5	<10	<12
(Modified for 1hr flows only)	60%	95%	100%

Table 8: Model Traffic Flow Validation Guidelines

As shown in Table 9 the validation is outside the EEM guidelines in a few areas, and more work would have been needed to bring it up to standard. Nevertheless, the validation results reported in more detail below gives confidence that an acceptable validation would have occurred.

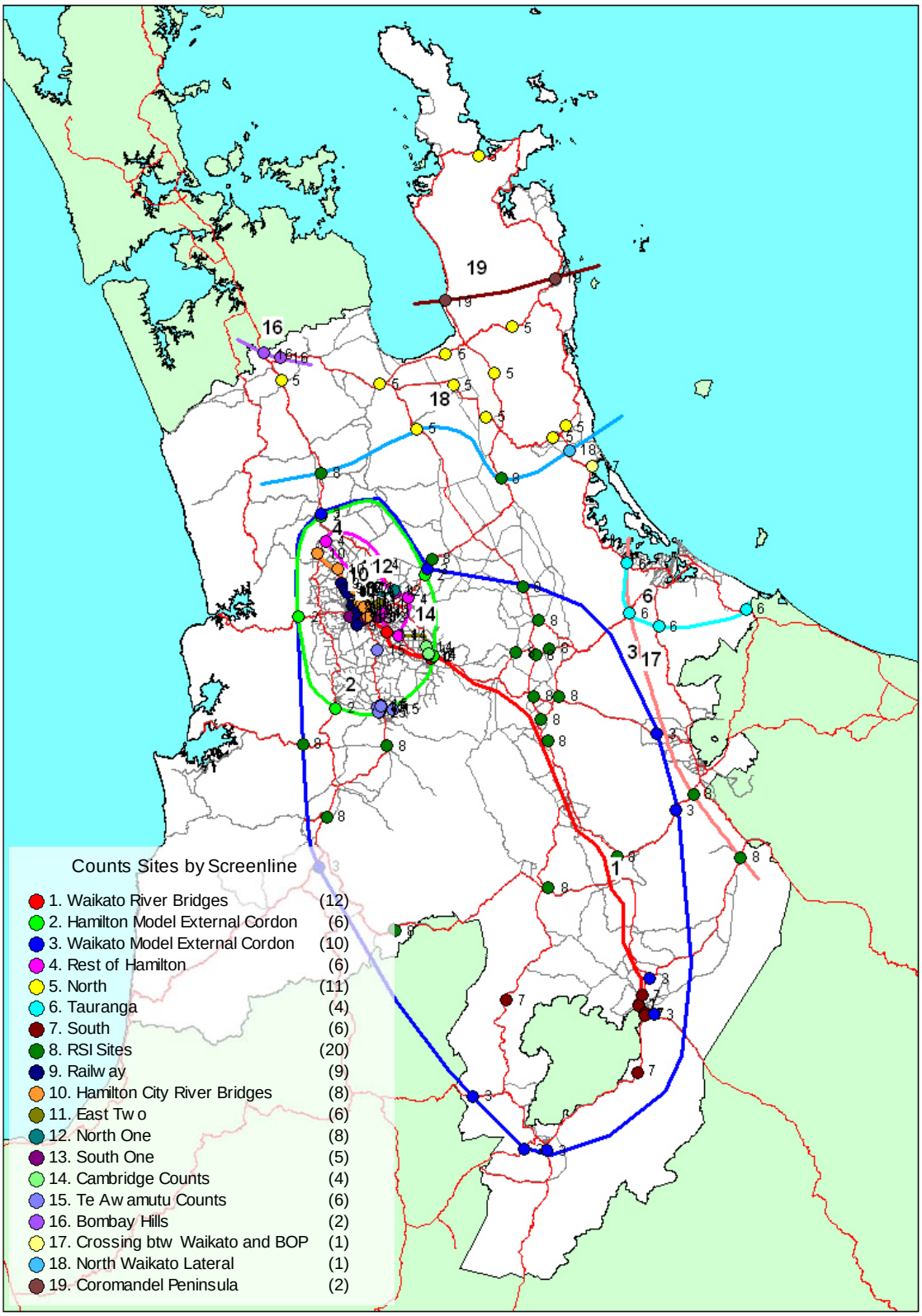
Model Screenline Summary to NZTA EEM Guidelines					
		Target	**Morning Peak**	**Inter Peak**	**Evening Peak**
Traffic Flow	+/- 10%	Most	72%	69%	61%
	> +/-10%	Very few	28%	31%	39%
Corr. Coeff.	>0.85	Most	89%	100%	97%
% RMS	<30%	Acceptable	16	24	26
	>30%	Clarify	20	12	10
GEH (on screenline totals)	<4	Most	29	28	22
	>4	Very few	7	8	14
Individual Links	0 - 10k	No daily model created to date			
	10k - 20k				
	20k - 30k				
	30k - 50k				
	50k+				
	GEH < 5	60%	12 of 18	15 of 18	14 of 18
	GEH < 10	95%	13 of 18	16 of 18	9 of 18
	GEH < 12	100%	15 of 18	16 of 18	15 of 18

Table 9: Model Screenline Summary to NZTA EEM Validation Guidelines

Validation of cordon flows was mixed. Clearly more work is needed in some areas but this would be addressed through local area validation carried out on a project specific basis in the unlikely event that 2006 results are required. The focus in this update has been the 2013 outputs from this 2013 WRTM model update. Producing 2006 outputs was required for the 2013 model update as the observed travel pattern data from the Household Interview Survey only exists for 2006 – so the equations and parameters to support the finer zone system must be estimated and broadly checked for the year 2006. It is considered unlikely that 2006 outputs will be used directly and hence the validation has not been carried out to a high level.

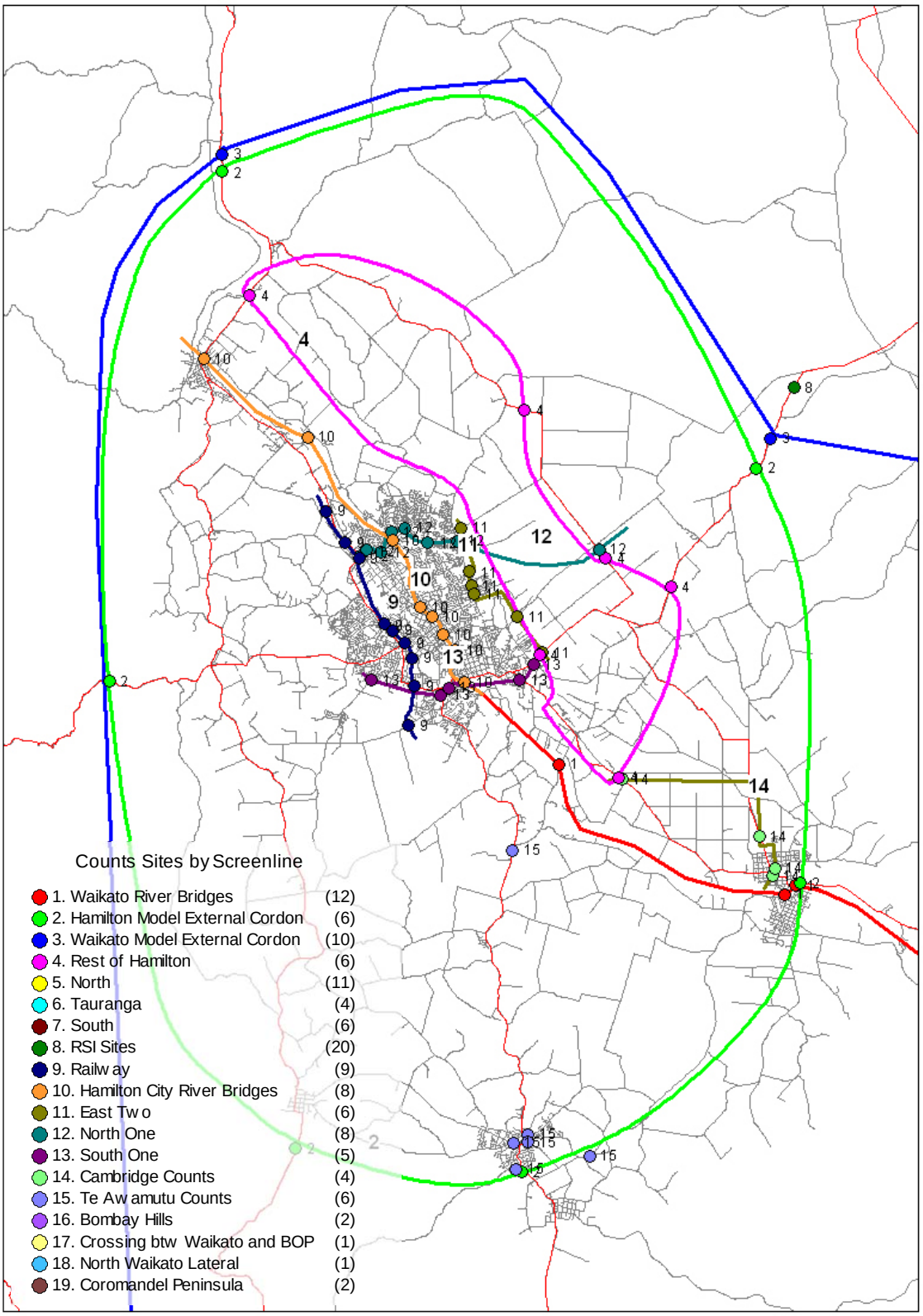
One screenline that continues to fail to meet EEM criteria in all periods was Screenline 9 – Railway. This cordon has historically been very difficult to get the flows across it correct. It is believed that a large element of this discrepancy has to do with the sign posting of the State Highway route and its use by drivers not knowing the Hamilton area well.

Several other individual screenlines do not meet criteria during individual periods but this may be more due to the 'holes' in the screenlines and as such represent flow within an area rather than a true screenline.



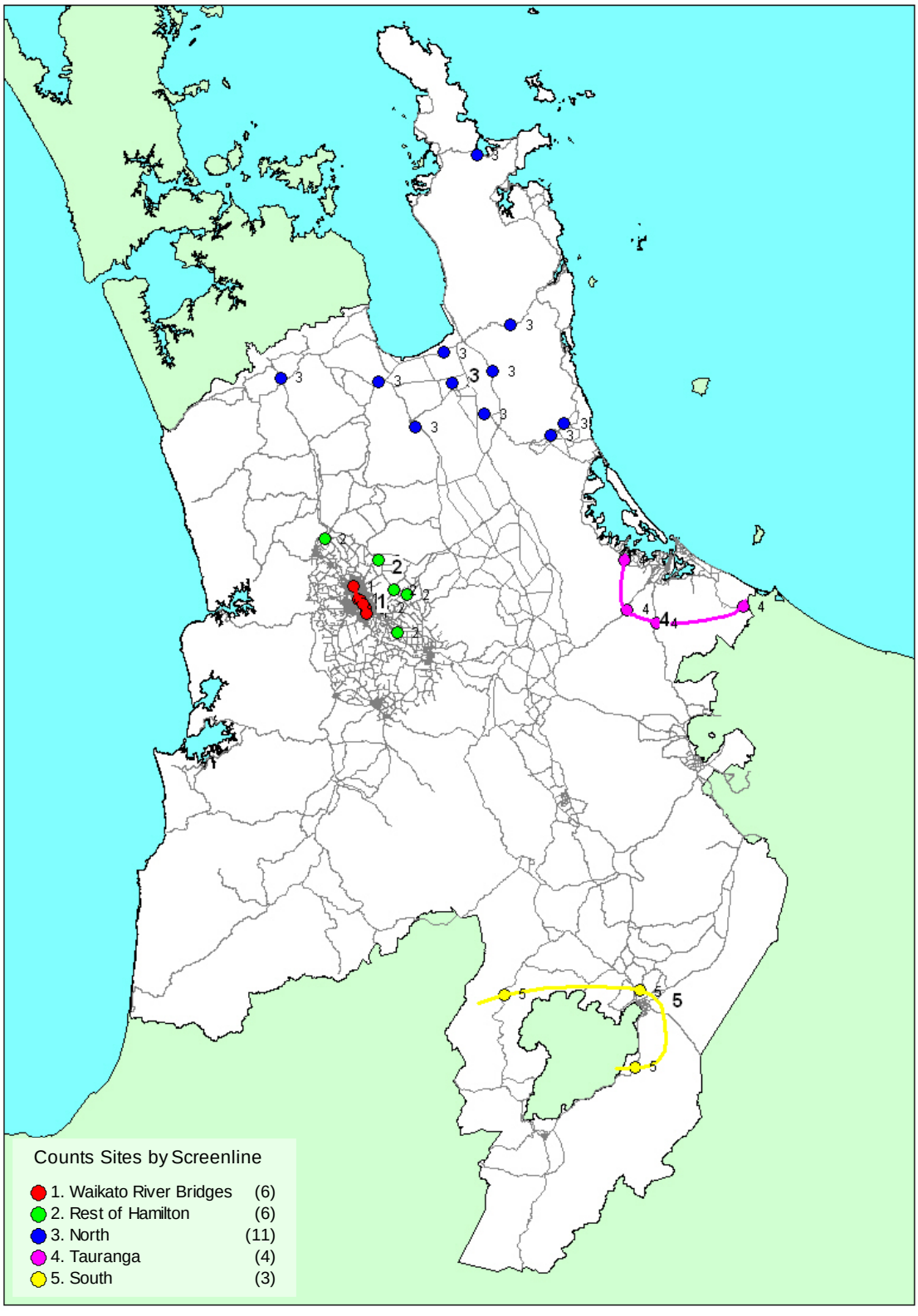
Waikato Model Screenline Locations

4



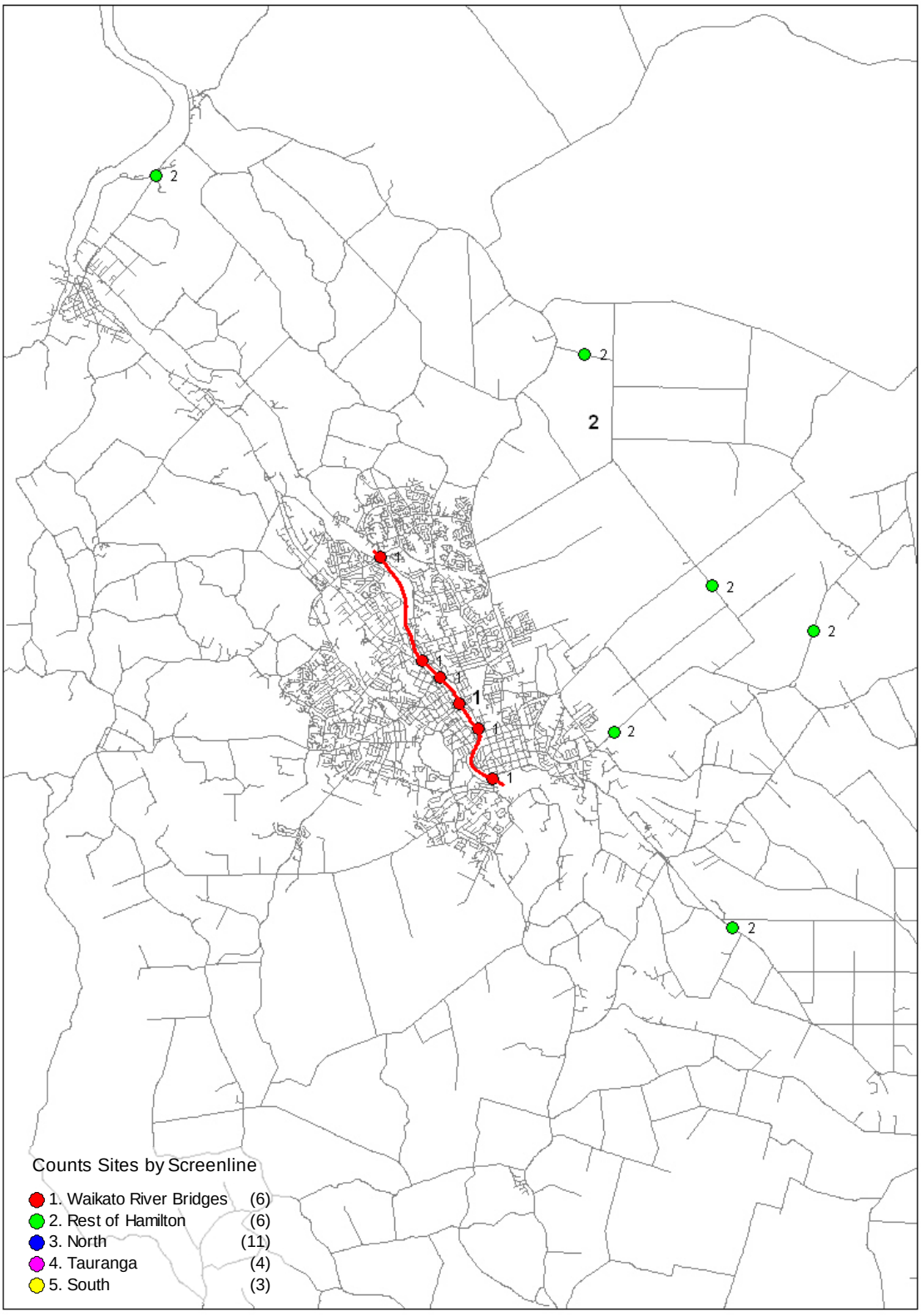
Waikato Model Screenline Locations Inset

5



Waikato Model Screenline Locations for Heavy Vehicles

6



Waikato Model Screenline Locations for Heavy Vehicles Inset

7

6.2 Morning Peak Validation

The assignment results for 2006 for the morning peak period are represented in the following tables in the form of modelled flows verses observed counts by screenline and by direction. A scatter plot of modelled versed observed is provided at the end of this section.

Screenline 1 – Franklin			
	Forward		**Back**
Count	9145		8228
Volume	8546		8044
Change	-599		-184
%	93		98
Correlation Coefficient	.976		.977
%RMS	30.50		23.86
GEH	4.5		1.4
GEH Total	4.3		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	84.1	97.7	97.7
Screenline 2 – Waikato River Bridges			
	Forward		**Back**
Count	15701		11225
Volume	16052		11249
Change	351		24
%	102		100
Correlation Coefficient	.989		.975
%RMS	10.93		14.74
GEH	2.0		.2
GEH Total	1.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	86.4	100	100
Screenline 3 – Hamilton Model External Cordon			
	Forward		**Back**
Count	4404		3792
Volume	4649		4396
Change	245		604
%	106		116
Correlation Coefficient	.834		.974
%RMS	34.60		24.96

GEH	2.6		6.7
GEH Total	6.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	66.7	100	100
Screenline 4 – Waikato Model External Cordon			
	Forward		**Back**
Count	4578		4439
Volume	4281		4752
Change	-297		313
%	94		107
Correlation Coefficient	.924		.943
%RMS	40.69		44.29
GEH	3.2		3.3
GEH Total	.1		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	67.9	96.4	100
Screenline 5 – Rest of Hamilton			
	Forward		**Back**
Count	3265		3881
Volume	3083		3967
Change	-182		86
%	94		102
Correlation Coefficient	.936		.934
%RMS	35.51		40.39
GEH	2.3		1.0
GEH Total	.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	66.7	100	100
Screenline 6 – North One			
	Forward		**Back**
Count	3440		3585
Volume	4040		3854
Change	600		269
%	117		108
Correlation Coefficient	.913		.981
%RMS	68.09		21.76
GEH	6.9		3.1

GEH Total	7.1		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	81.8	95.5	95.5
Screenline 7 – Tauranga			
	Forward	**Back**	
Count	2732	3307	
Volume	2968	3613	
Change	236	306	
%	109	109	
Correlation Coefficient	.757	.995	
%RMS	42.86	17.74	
GEH	3.1	3.7	
GEH Total	4.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	62.5	100	100
Screenline 8 – South One			
	Forward	**Back**	
Count	3664	3559	
Volume	3373	3912	
Change	-291	353	
%	92	110	
Correlation Coefficient	.981	.903	
%RMS	17.59	46.16	
GEH	3.5	4.1	
GEH Total	.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	66.7	91.7	100
Screenline 9 – Railway			
	Forward	**Back**	
Count	11017	9091	
Volume	9566	7976	
Change	-1451	-1115	
%	87	88	
Correlation Coefficient	.923	.919	
%RMS	30.37	31.66	
GEH	10.1	8.5	
GEH Total	13.2		

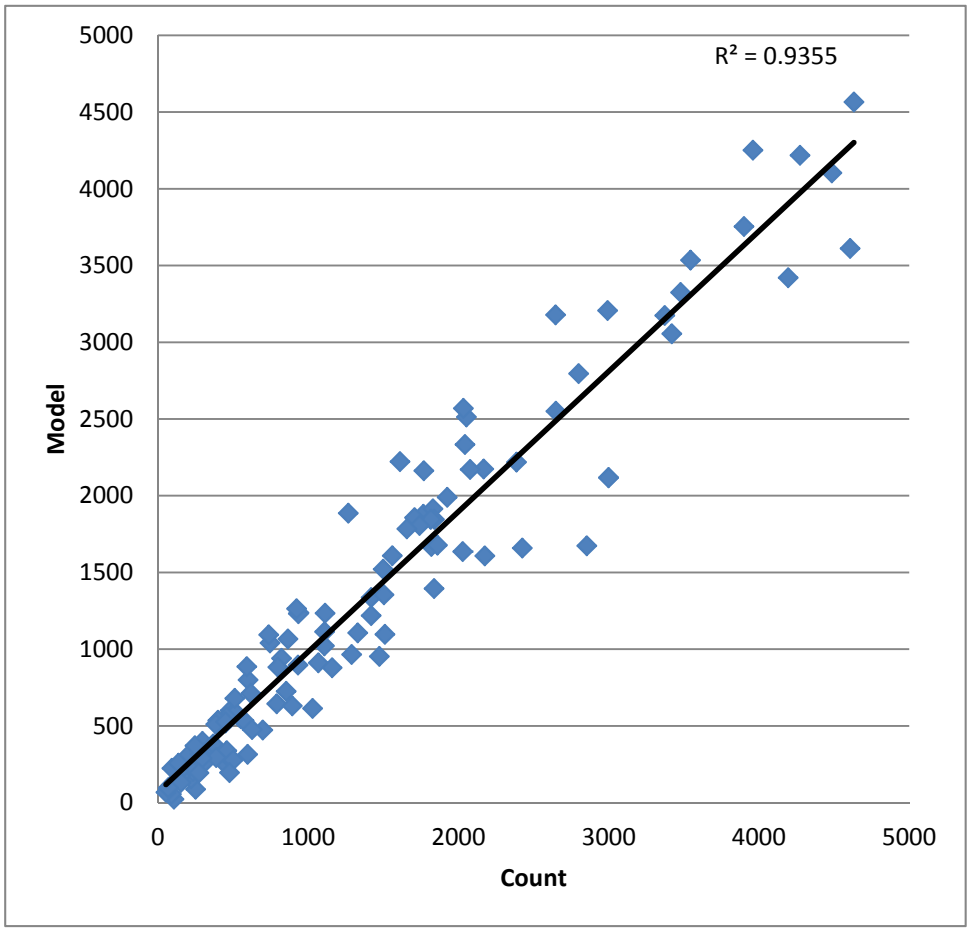
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	38.9	83.3	94.4

Screenline 10 – East			
	Forward		**Back**
Count	1547		2581
Volume	1566		2697
Change	19		116
%	101		104
Correlation Coefficient	.904		.850
%RMS	29.41		32.24
GEH	.4		1.6
GEH Total	1.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	91.7	100	100
Screenline 11 – North Two			
	Forward		**Back**
Count	5994		7568
Volume	5439		7093
Change	-555		-475
%	91		94
Correlation Coefficient	.978		.806
%RMS	22.28		39.79
GEH	5.2		3.9
GEH Total	6.4		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	42.9	85.7	100
Screenline 12 – South Two			
	Forward		**Back**
Count	8037		4860
Volume	7467		4115
Change	-570		-745
%	93		85
Correlation Coefficient	.915		.894
%RMS	28.31		29.14
GEH	4.6		7.9
GEH Total	8.4		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	100	100

Screenline 13 – Cambridge			
	Forward		**Back**
Count	3392		3558
Volume	2901		3368
Change	-491		-190
%	86		95
Correlation Coefficient	.964		.926
%RMS	28.87		34.46
GEH	6.2		2.3
GEH Total	5.9		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	100	100
Screenline 14 – Te Awamutu			
	Forward		**Back**
Count	3241		2784
Volume	3218		2063
Change	-23		-721
%	99		74
Correlation Coefficient	.960		.947
%RMS	22.05		34.61
GEH	.3		10.4
GEH Total	7.0		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	100	100
Screenline 15 – Bombay Hills			
	Forward		**Back**
Count	2675		2495
Volume	2629		2065
Change	-46		-430
%	98		83
Correlation Coefficient	1.000		1.000
%RMS	33.29		35.53
GEH	.6		6.4
GEH Total	4.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	75.0	100

Screenline 16 – Crossing btw Waikato and BOP			
	Forward		**Back**
Count	2421		2863
Volume	1889		2792
Change	-532		-44
%	78		98
Correlation Coefficient	0.942		0.971
%RMS	36.30		29.03
GEH	8.1		.6
GEH Total	5.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	90.0	100
Screenline 17 – North Waikato Lateral			
	Forward		**Back**
Count	1790		1855
Volume	1999		1997
Change	209		142
%	112		108
Correlation Coefficient	.947		.786
%RMS	28.06		42.65
GEH	3.4		2.3
GEH Total	4.0		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	37.5	100	100
Screenline 18 – Coromandel Peninsula			
	Forward		**Back**
Count	284		440
Volume	266		454
Change	-18		14
%	94		103
Correlation Coefficient	1.000		1.000
%RMS	37.92		26.10
GEH	.8		.5
GEH Total	.1		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	100	100.0	100.0

Table 9: Morning Peak Network Screenline Validation



Morning Peak Screenline Scatterplot

8

6.3 Interpeak Validation

The assignment results for 2006 for the interpeak period are represented in the following tables in the form of modelled flows verses observed counts by screenline and by direction. A scatter plot of modelled versed observed is provided at the end of this section.

Screenline 1 – Franklin			
	Forward	**Back**	
Count	7483	7705	
Volume	7079	7509	
Change	-404	-196	
%	95	97	
Correlation Coefficient	.936	.953	
%RMS	45.48	32.55	
GEH	3.3	1.6	
GEH Total	3.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	81.8	97.7	97.7
Screenline 2 – Waikato River Bridges			
	Forward	**Back**	
Count	11146	11579	
Volume	12382	12593	
Change	1236	1014	
%	111	109	
Correlation Coefficient	.941	.970	
%RMS	23.79	18.91	
GEH	8.1	6.5	
GEH Total	10.3		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	72.7	100	100
Screenline 3 – Hamilton Model External Cordon			
	Forward	**Back**	
Count	4049	3985	
Volume	3595	3719	
Change	-454	-266	
%	89	93	
Correlation Coefficient	.918	.922	
%RMS	32.12	30.22	

GEH	5.2		3.0
GEH Total	5.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	83.3	100	100
Screenline 4 – Waikato Model External Cordon			
	Forward		**Back**
Count	4929		5065
Volume	4337		4543
Change	-592		-522
%	88		90
Correlation Coefficient	.982		.971
%RMS	24.03		25.95
GEH	6.2		5.3
GEH Total	8.1		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	89.3	100	100
Screenline 5 – Rest of Hamilton			
	Forward		**Back**
Count	3057		3146
Volume	2862		3034
Change	-195		-112
%	94		96
Correlation Coefficient	.979		.992
%RMS	20.63		14.34
GEH	2.5		1.4
GEH Total	2.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	100	100	100
Screenline 6 – North One			
	Forward		**Back**
Count	4061		4357
Volume	3906		3927
Change	-155		-430
%	96		90
Correlation Coefficient	.927		.946
%RMS	46.16		31.81
GEH	1.7		4.7

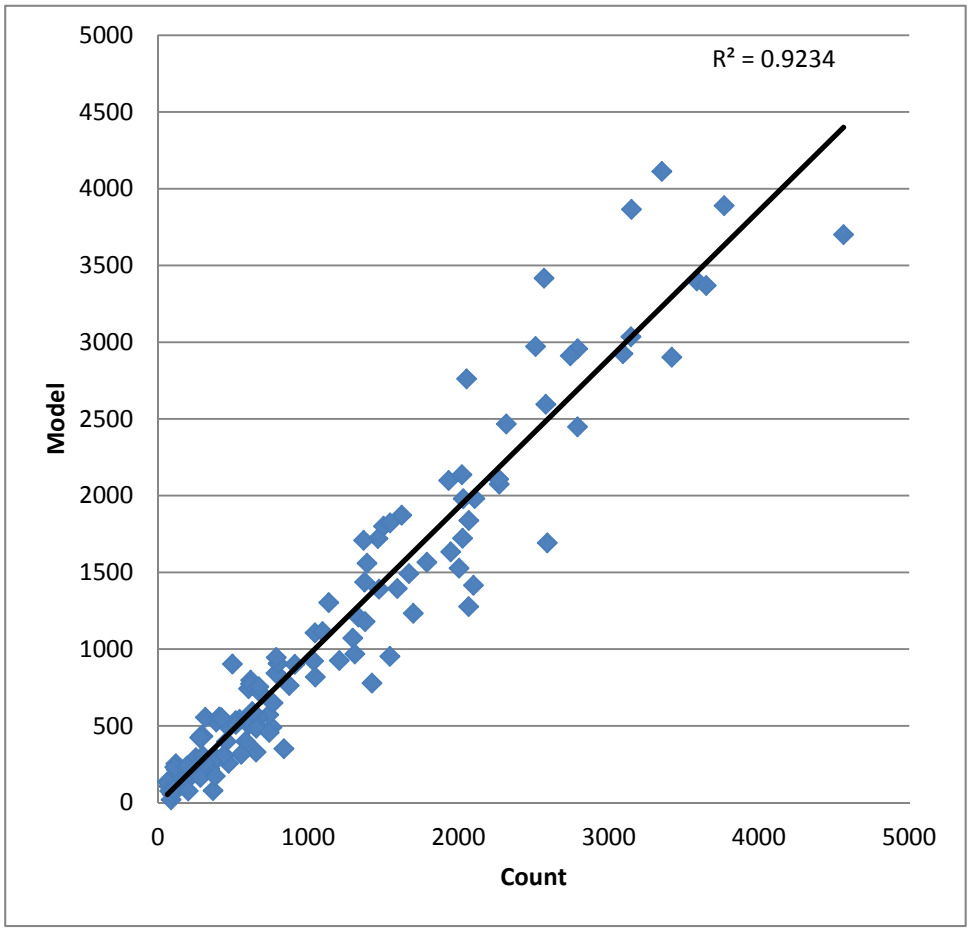
GEH Total	4.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	63.6	100	100
Screenline 7 – Tauranga			
	Forward	**Back**	
Count	2719	2685	
Volume	2801	2940	
Change	82	255	
%	103	109	
Correlation Coefficient	.983	.990	
%RMS	12.12	18.39	
GEH	1.1	3.4	
GEH Total	3.2		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	87.5	100	100
Screenline 8 – South One			
	Forward	**Back**	
Count	4344	4878	
Volume	3730	3684	
Change	-614	-1194	
%	86	76	
Correlation Coefficient	.894	.965	
%RMS	33.69	32.29	
GEH	6.8	12.9	
GEH Total	14.0		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	41.7	83.3	100
Screenline 9 – Railway			
	Forward	**Back**	
Count	8617	8554	
Volume	8365	7488	
Change	-252	-1066	
%	97	88	
Correlation Coefficient	.923	.959	
%RMS	28.17	23.84	
GEH	1.9	8.4	
GEH Total	7.3		

GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	66.7	100	100
Screenline 10 – East			
	Forward	**Back**	
Count	1475	1532	
Volume	1610	1651	
Change	135	119	
%	109	108	
Correlation Coefficient	.852	.958	
%RMS	32.44	18.22	
GEH	2.4	2.1	
GEH Total	3.2		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	91.7	100	100
Screenline 11 – North Two			
	Forward	**Back**	
Count	6233	5630	
Volume	5653	5212	
Change	-580	-418	
%	91	93	
Correlation Coefficient	0.989	0.978	
%RMS	21.31	25.81	
GEH	5.3	4.0	
GEH Total	6.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	78.6	100	100
Screenline 12 – South Two			
	Forward	**Back**	
Count	6253	4478	
Volume	5644	4993	
Change	-609	515	
%	90	112	
Correlation Coefficient	.933	.979	
%RMS	35.11	20.97	
GEH	5.6	5.3	
GEH Total	.7		
GEH Link Grouping	< 5	< 10	< 12

% in GEH Group	60.0	90.0	90.0
Screenline 13 – Cambridge			
	Forward	**Back**	
Count	2578	2808	
Volume	2733	2845	
Change	155	37	
%	106	101	
Correlation Coefficient	.978	.998	
%RMS	18.44	6.70	
GEH	2.1	.5	
GEH Total	1.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	100	100	100
Screenline 14 – Te Awamutu			
	Forward	**Back**	
Count	2520	2611	
Volume	2478	2555	
Change	-42	-56	
%	98	98	
Correlation Coefficient	.930	.949	
%RMS	26.90	21.68	
GEH	.6	.8	
GEH Total	1.0		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	100	100	100
Screenline 15 – Bombay Hills			
	Forward	**Back**	
Count	2837	2918	
Volume	2718	2632	
Change	-119	-286	
%	96	90	
Correlation Coefficient	1.000	1.000	
%RMS	18.29	16.43	
GEH	1.6	3.8	
GEH Total	3.8		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	100	100

Screenline 16 – Crossing btw Waikato and BOP			
	Forward		**Back**
Count	2543		2505
Volume	2168		2151
Change	-375		-354
%	85		86
Correlation Coefficient	0.992		0.959
%RMS	18.67		25.37
GEH	5.4		5.2
GEH Total	7.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	70.0	100	100
Screenline 17 – North Waikato Lateral			
	Forward		**Back**
Count	2074		2053
Volume	1842		1712
Change	-232		-341
%	89		83
Correlation Coefficient	.987		.946
%RMS	16.91		30.01
GEH	3.7		5.5
GEH Total	6.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	62.5	100	100
Screenline 18 – Coromandel Peninsula			
	Forward		**Back**
Count	424		477
Volume	301		382
Change	-123		-95
%	71		80
Correlation Coefficient	1.000		1.000
%RMS	51.03		42.87
GEH	4.6		3.2
GEH Total	5.5		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	100	100

Table 10: Inter Peak Network Screenline Validation



Interpeak Screenline Scatterplots

9

6.4 Evening Peak Validation

The assignment results for 2006 for the evening peak period are represented in the following tables in the form of modelled flows verses observed counts by screenline and by direction. A scatter plot of modelled versed observed is provided at the end of this section.

Screenline 1 – Franklin			
	Forward		**Back**
Count	9776		10013
Volume	9065		10155
Change	-711		142
%	93		101
Correlation Coefficient	.975		.981
%RMS	25.82		25.85
GEH	5.2		1.0
GEH Total	2.9		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	100	100
Screenline 2 – Waikato River Bridges			
	Forward		**Back**
Count	13753		17194
Volume	11921		18969
Change	-1832		1775
%	87		110
Correlation Coefficient	.913		.952
%RMS	26.60		24.64
GEH	11.4		9.3
GEH Total	.2		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	63.6	90.9	95.5
Screenline 3 – Hamilton Model External Cordon			
	Forward		**Back**
Count	4904		5625
Volume	5009		5242
Change	105		-383
%	102		93
Correlation Coefficient	.954		.916
%RMS	21.33		26.79

GEH	1.0		3.7
GEH Total	1.9		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	91.7	100
Screenline 4 – Waikato Model External Cordon			
	Forward		**Back**
Count	5865		6116
Volume	5798		5778
Change	-67		-338
%	99		94
Correlation Coefficient	.958		.975
%RMS	28.94		22.35
GEH	.6		3.1
GEH Total	2.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	78.6	96.4	100
Screenline 5 – Rest of Hamilton			
	Forward		**Back**
Count	4666		3923
Volume	3834		3953
Change	-832		30
%	82		101
Correlation Coefficient	.980		.960
%RMS	39.95		25.54
GEH	9.0		.3
GEH Total	6.3		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	91.7	100
Screenline 6 – North One			
	Forward		**Back**
Count	5005		4548
Volume	5056		4756
Change	51		208
%	101		105
Correlation Coefficient	.973		.950
%RMS	31.62		38.40
GEH	.5		2.2

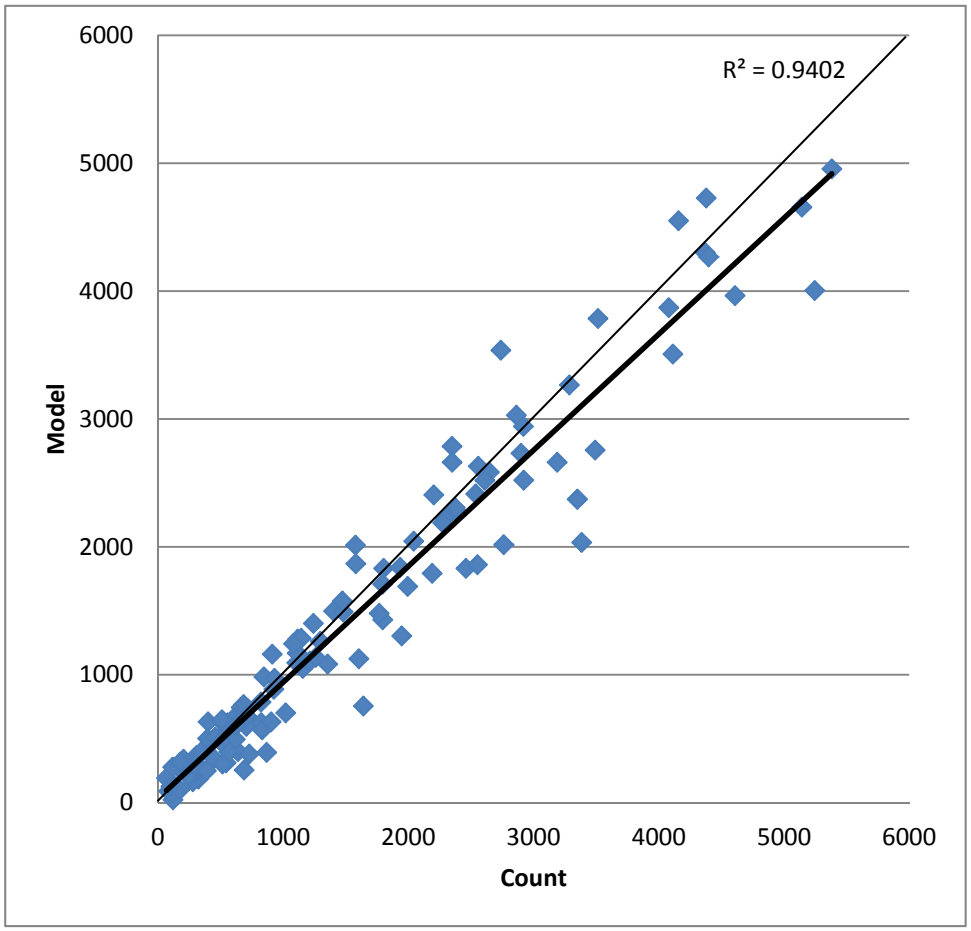
GEH Total	1.9		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	72.7	100	100
Screenline 7 – Tauranga			
	Forward	**Back**	
Count	4110	3430	
Volume	3714	3494	
Change	-396	64	
%	90	102	
Correlation Coefficient	.998	.904	
%RMS	11.72	23.92	
GEH	4.5	.8	
GEH Total	2.7		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	87.5	100	100
Screenline 8 – South One			
	Forward	**Back**	
Count	5454	5153	
Volume	5068	3500	
Change	-386	-1653	
%	93	68	
Correlation Coefficient	.923	.950	
%RMS	32.23	42.06	
GEH	3.8	17.8	
GEH Total	14.7		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	41.7	66.7	66.7
Screenline 9 – Railway			
	Forward	**Back**	
Count	10368	11603	
Volume	10687	10079	
Change	319	-1524	
%	103	87	
Correlation Coefficient	.835	.957	
%RMS	39.99	23.60	
GEH	2.2	10.4	
GEH Total	5.8		

GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	38.9	83.3	83.3
Screenline 10 – East			
	Forward	**Back**	
Count	2213	2451	
Volume	2038	2316	
Change	-175	-135	
%	92	94	
Correlation Coefficient	.960	.906	
%RMS	22.48	25.20	
GEH	2.7	1.9	
GEH Total	3.2		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	100	100
Screenline 11 – North Two			
	Forward	**Back**	
Count	9054	7291	
Volume	8098	5419	
Change	-956	-1872	
%	89	74	
Correlation Coefficient	.966	.995	
%RMS	19.30	28.86	
GEH	7.3	16.6	
GEH Total	16.4		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	42.9	92.9	100
Screenline 12 – South Two			
	Forward	**Back**	
Count	6182	8747	
Volume	4999	7947	
Change	-1183	-800	
%	81	91	
Correlation Coefficient	.997	.964	
%RMS	30.57	21.88	
GEH	11.2	6.2	
GEH Total	11.9		
GEH Link Grouping	< 5	< 10	< 12

% in GEH Group	70.0	90.0	100
Screenline 13 – Cambridge			
	Forward	**Back**	
Count	4069	3703	
Volume	3475	3373	
Change	-594	-330	
%	98	91	
Correlation Coefficient	.910	.966	
%RMS	38.44	20.74	
GEH	6.8	3.9	
GEH Total	7.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	87.5	100
Screenline 14 – Te Awamutu			
	Forward	**Back**	
Count	3429	3729	
Volume	2838	3732	
Change	-591	3	
%	83	100	
Correlation Coefficient	.959	.982	
%RMS	24.77	14.03	
GEH	7.5	0.0	
GEH Total	5.0		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	83.3	100	100
Screenline 15 – Bombay Hills			
	Forward	**Back**	
Count	3485	3737	
Volume	3078	3262	
Change	-407	-475	
%	88	87	
Correlation Coefficient	1.000	1.000	
%RMS	19.84	18.71	
GEH	5.0	5.7	
GEH Total	7.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	50.0	100	100

Screenline 16 – Crossing btw Waikato and BOP			
	Forward		**Back**
Count	3654		3116
Volume	3022		2645
Change	-632		-471
%	83		85
Correlation Coefficient	.995		.893
%RMS	20.86		31.31
GEH	7.7		6.2
GEH Total	9.9		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	60.0	90.0	100
Screenline 17 – North Waikato Lateral			
	Forward		**Back**
Count	2558		2391
Volume	2551		2394
Change	-7		3
%	100		100
Correlation Coefficient	.986		.965
%RMS	11.88		19.61
GEH	.1		.1
GEH Total	.1		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	100	100	100
Screenline 18 – Coromandel Peninsula			
	Forward		**Back**
Count	577		430
Volume	508		342
Change	-69		-88
%	88		80
Correlation Coefficient	1.000		1.000
%RMS	33.71		28.94
GEH	2.1		3.2
GEH Total	3.6		
GEH Link Grouping	< 5	< 10	< 12
% in GEH Group	75.0	100.0	100.0

Table 11: Evening Peak Network Screenline Validation



Evening Peak Screenline Scatterplots

10

7. Intersection Movement Validation

At present, no validation has been included at a turning movement level. There are three reasons for this. Firstly, any requirement for validation at this level of detail must be considered on a project-by-project basis and as such forms part of the necessary local area validation required for any subsequent option assessment . Secondly, this is a strategic model and turning movement validation is generally not undertaken. Thirdly, given that the base model is 2006 and that the model validation originally took place in 2009 it is difficult to reconcile the three year gap between validation year and data collection year, especially when collecting data at such a fine level of detail.

When traffic volumes are then broken down further to a turning movement level and then back-projected by three years, these factors on top of the day-to-day and seasonal fluctuations means that determining appropriate observed volumes for validation is very difficult. On this basis turning movement validation has been deferred but will be revisited on an as required basis for project work using the WRTM.

8. HIS Sector-to-Sector Trip Validation

In order to check that the modelled mean trip patterns match the observed HIS trip patterns an analysis of sector to sector trips has been undertaken. It was originally believed that this could be performed at a zonal level but it became evident during the initial analysis that the HIS results were too "lumpy" for any meaningful zone to zone comparison to take place.

The sector analysis has been undertaken at Territorial Local Authority (TLA) level and represents the trips for each modelled period between the nine TLA's in the modelled area. The correlation between HIS and modelled inter-sectorial movements has been plotted and the R^2 correlation coefficient has been calculated for each period. Plots showing this correlation are shown in **Figure 11** and the model and HIS data are summarised **Table 12**.

The level of correlation between the modelled and HIS results at section level is expected to be greater than 0.95 for each period at a TLA level. The following plots in **Figure 11** show that this has been exceeded in all cases and all three periods but are closer to 0.90 when the largest value (Hamilton to Hamilton internal trips) is removed.

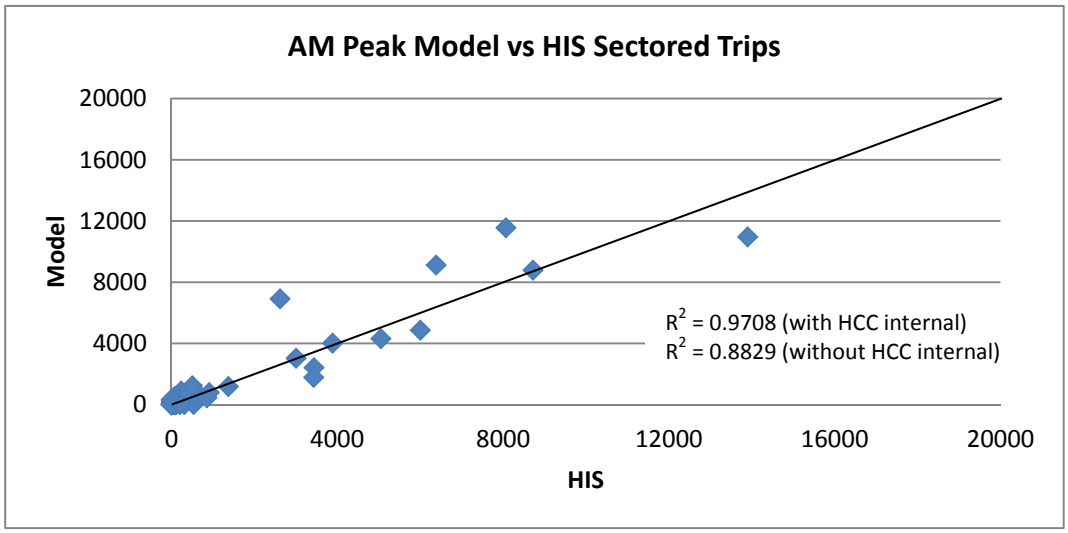
Whist there is some difference reported between the model and HIS for internal sectored movements, modelled traffic volumes in urban areas are replicating counts and trip lengths have been validated successfully also. This suggests that the residual internal trips implied in **Table 12** are likely to be negligible.

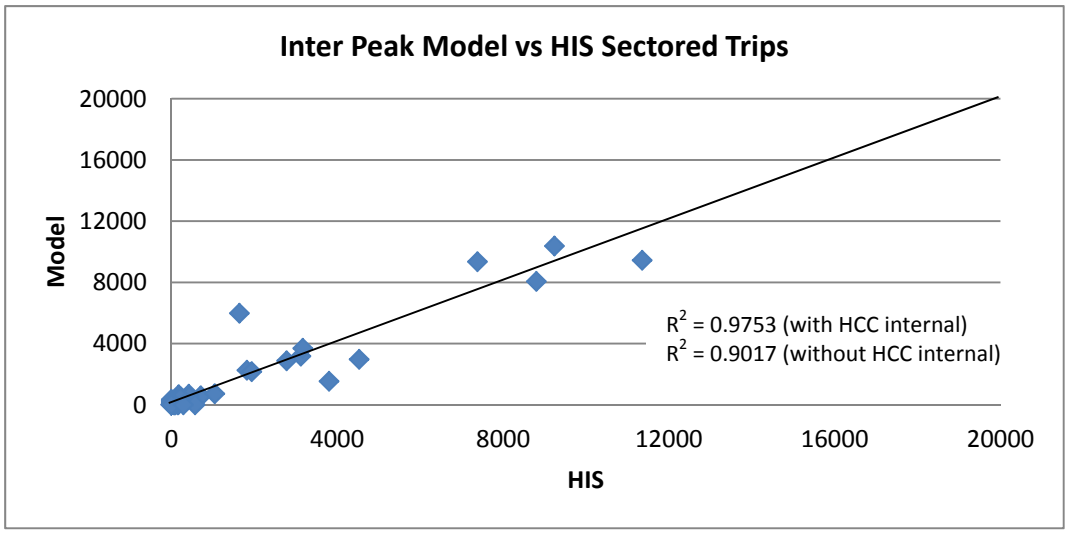
		AM Peak		Interpeak		PM Peak	
From TLA	To TLA	Model	HIS	Model	HIS	Model	HIS
Hamilton	Hamilton	41608	49030	36182	41081	48102	57502
Hamilton	Waipa	1183	1373	2264	1823	3159	3570
Hamilton	Waikato	2418	3439	3179	3123	5203	6506
Hamilton	Otorohanga	87	79	95	142	331	197
Hamilton	South Waikato	122	139	60	0	145	68
Hamilton	Thames-Coro	11	114	3	154	5	121
Hamilton	Hauraki	47	0	20	0	44	139
Hamilton	Matamata-Piako	825	603	657	175	1153	685
Hamilton	Taupo	3	0	1	81	1	0
Waipa	Hamilton	3030	3007	2167	1939	2153	1798
Waipa	Waipa	10963	13900	9446	11354	12033	13912
Waipa	Waikato	453	272	408	260	513	575
Waipa	Otorohanga	535	357	589	710	663	640
Waipa	South Waikato	337	0	205	239	257	0
Waipa	Thames-Coro	3	66	1	0	1	0
Waipa	Hauraki	12	0	6	0	8	0
Waipa	Matamata-Piako	535	78	331	127	422	1052
Waipa	Taupo	6	310	4	0	7	113
Waikato	Hamilton	4868	6005	2874	2781	2915	4677
Waikato	Waipa	481	417	418	383	460	194
Waikato	Waikato	4307	5054	2975	4528	3648	4248
Waikato	Otorohanga	19	0	16	167	25	0
Waikato	South Waikato	22	0	10	63	13	0
Waikato	Thames-Coro	11	0	6	0	10	0
Waikato	Hauraki	39	0	25	78	43	0
Waikato	Matamata-Piako	445	365	259	57	300	155
Waikato	Taupo	1	79	0	0	0	72
Otorohanga	Hamilton	233	129	109	0	110	338
Otorohanga	Waipa	783	910	508	689	749	731
Otorohanga	Waikato	28	0	18	0	25	0
Otorohanga	Otorohanga	1774	3431	1534	3802	1951	3286

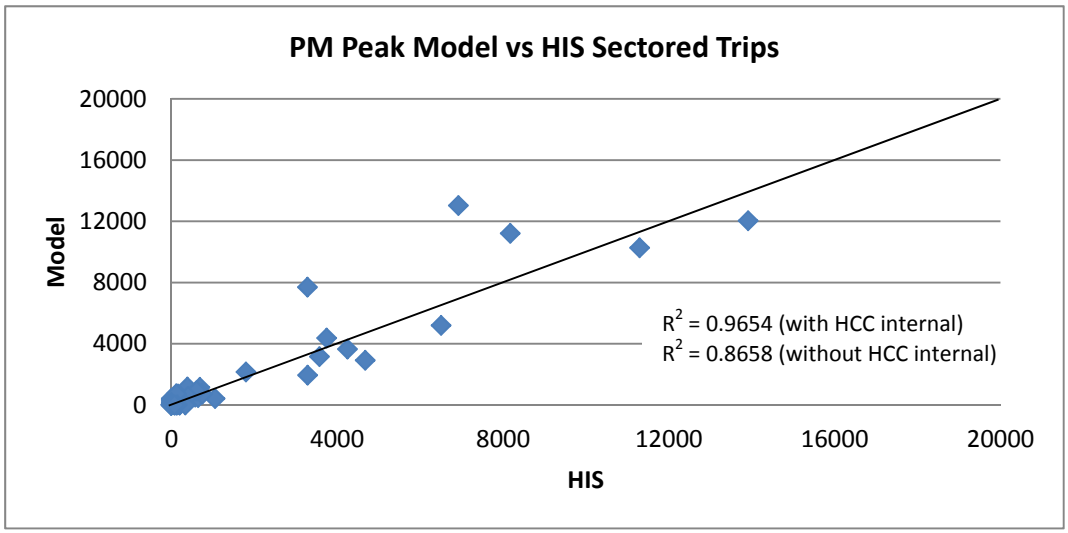
		AM Peak		Interpeak		PM Peak	
From TLA	To TLA	Model	HIS	Model	HIS	Model	HIS
Otorohanga	South Waikato	316	490	375	393	482	645
Otorohanga	Thames-Coro	0	0	0	0	0	0
Otorohanga	Hauraki	0	0	0	0	0	0
Otorohanga	Matamata-Piako	6	0	6	0	5	0
Otorohanga	Taupo	0	0	0	0	0	200
South Waikato	Hamilton	114	61	71	63	69	155
South Waikato	Waipa	246	0	240	232	431	0
South Waikato	Waikato	19	0	12	0	21	0
South Waikato	Otorohanga	16	535	31	0	36	209
South Waikato	South Waikato	6916	2619	5979	1638	7702	3282
South Waikato	Thames-Coro	0	0	0	0	0	0
South Waikato	Hauraki	1	0	2	0	3	0
South Waikato	Matamata-Piako	296	0	274	0	375	0
South Waikato	Taupo	115	0	127	0	225	107
Thames-Coro	Hamilton	16	70	5	0	4	197
Thames-Coro	Waipa	3	0	1	0	2	0
Thames-Coro	Waikato	17	0	9	0	9	0
Thames-Coro	Otorohanga	0	0	0	0	0	0
Thames-Coro	South Waikato	0	0	0	93	0	0
Thames-Coro	Thames-Coro	9116	6385	9354	7383	11212	8172
Thames-Coro	Hauraki	569	565	690	420	1170	384
Thames-Coro	Matamata-Piako	77	0	58	0	82	0
Thames-Coro	Taupo	0	0	0	0	0	0
Hauraki	Hamilton	89	125	30	0	25	95
Hauraki	Waipa	16	0	7	0	9	0
Hauraki	Waikato	73	0	30	96	30	0
Hauraki	Otorohanga	0	0	0	0	0	0

		AM Peak		Interpeak		PM Peak	
From TLA	To TLA	Model	HIS	Model	HIS	Model	HIS
Hauraki	South Waikato	3	0	2	0	2	0
Hauraki	Thames-Coro	888	235	557	427	702	745
Hauraki	Hauraki	4013	3889	3694	3168	4375	3743
Hauraki	Matamata-Piako	739	307	501	226	564	216
Hauraki	Taupo	0	0	0	0	0	0
Matamata-Piako	Hamilton	1232	503	719	1044	922	606
Matamata-Piako	Waipa	450	855	353	0	714	160
Matamata-Piako	Waikato	397	128	255	250	558	401
Matamata-Piako	Otorohanga	5	0	9	0	14	0
Matamata-Piako	South Waikato	311	0	262	0	344	0
Matamata-Piako	Thames-Coro	62	151	55	0	69	0
Matamata-Piako	Hauraki	527	313	457	217	732	120
Matamata-Piako	Matamata-Piako	8786	8723	8069	8802	10269	11294
Matamata-Piako	Taupo	1	101	1	570	3	333
Taupo	Hamilton	3	71	2	58	1	0
Taupo	Waipa	7	0	6	0	5	136
Taupo	Waikato	1	0	0	0	0	0
Taupo	Otorohanga	28	64	55	0	50	0
Taupo	South Waikato	185	118	235	0	159	0
Taupo	Thames-Coro	0	0	0	0	0	0
Taupo	Hauraki	0	0	0	0	0	0
Taupo	Matamata-Piako	2	207	2	290	1	74
Taupo	Taupo	11557	8068	10378	9241	13035	6924

Table 12: HIS versus Modelled Sector to Sector Trips by Period


AM Peak Model vs HIS Sectored Trips
Model
HIS
0
4000
8000
12000
16000
20000
R^2 = 0.9708 (with HCC internal)
R^2 = 0.8829 (without HCC internal)


Inter Peak Model vs HIS Sectored Trips
Model
HIS
0
4000
8000
12000
16000
20000
R^2 = 0.9753 (with HCC internal)
R^2 = 0.9017 (without HCC internal)


PM Peak Model vs HIS Sectored Trips
Model
HIS
0
4000
8000
12000
16000
20000
R^2 = 0.9654 (with HCC internal)
R^2 = 0.8658 (without HCC internal)

Appendix A

APPENDIX A
Morning Peak Travel Time Validation Output Files

```
+-------------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                      Gabites Porter |
|                                                                           Christchurch, N.Z. |
+-------------------------------------------------------------------------------------------+


                              +---------------------------------------------+
                              | TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
                              |  TRACKS +-------------------------+ TRACKS  |
                              | S TRACKS|                         |S TRACKS |
                              | KS TRACK|   Program  :     JURNEY  |KS TRACK |
                              | CKS TRAC|   Version  :      V7.03  |CKS TRAC |
                              | ACKS TRA|                         |ACKS TRA |
                              | RACKS TR|   Date run :  14-MAR-14  |RACKS TR |
                              | TRACKS T|   Time run :   14:02:54  |TRACKS T |
                              |  TRACKS |   Platform :  Win 95/NT  | TRACKS  |
                              | S TRACKS+-------------------------+S TRACKS |
                              | KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
                              +---------------------------------------------+
                              +---------------------------------------------+
                              |             TRACKS Licenced to              |
                              |  Gabites Porter                             |
                              |         at :   Christchurch, N.Z.           |
                              +---------------------------------------------+
                                         Parameter version : V5.20


 JURNEY Data File  : REGJNY.DAT
 Loaded Network    : WL06B0AALLB0.NL
                       27424 Links in network
+-------------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                      Gabites Porter |
|                                                                           Christchurch, N.Z. |
+-------------------------------------------------------------------------------------------+

Journey  1 Movement Analysis - times in seconds

R1EB SH2

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
11582 -  9564   19 0  8269  94.5   0.0  315.0    0.0   0.0     0.0  315.0    0.0   315.0     0.0     -- no name --
 9564 - 10185   10 0  1086  99.5   0.0   39.3    0.0   1.0     0.0   40.3    0.0   355.3     0.0     SH2
10185 - 10184   10 0  3828  99.5   0.0  138.5    0.0   0.0     0.0  138.5    0.0   493.8     0.0     SH 2
10184 - 10179   10 0  4818  99.6   0.0  174.1    0.0   0.0     0.0  174.1    0.0   667.9     0.0     SH 2
10179 -  9561   18 0  4323  84.0   0.0  185.3    0.0   0.0     0.0  185.3    0.0   853.2     0.0     SH 2
 9561 -  8302   18 0  3842  84.0   0.0  164.7    0.0   0.0     0.0  164.7    0.0  1017.9     0.0     SH 2
 8302 -  9559   10 0  4284  99.5   0.0  155.0    0.0   0.0     0.0  155.0    0.0  1172.9     0.0     SH 2
 9559 -  9719   10 0  3055  99.5   0.0  110.5    0.0   0.0     0.0  110.5    0.0  1283.4     0.0     SH 2
 9719 -  9720   10 0   115  99.6   0.0    4.2    0.0   0.0     0.0    4.2    0.0  1287.6     0.0     SH 2
 9720 -  2941   19 0  2118  94.5   0.0   80.7    0.0   0.0     0.0   80.7    0.0  1368.2     0.0     SH 2
 2941 -  8445   19 0  1113  94.5   0.0   42.4    0.0   0.0     0.0   42.4    0.0  1410.6     0.0     SH 2
 8445 -  8444    5 4   128  49.9   0.0    9.2    0.0   4.0     0.0   13.2    0.0  1423.9     0.0     off ramp
 8444 - 10731    9 0  6059  89.2   0.0  244.5    0.0   0.0     0.0  244.5    0.0  1668.4     0.0     SH 2
10731 -  8828    9 0  3629  89.2   0.0  146.5    0.0   0.0     0.0  146.5    0.0  1814.9     0.0     SH 2
 8828 -  8829    8 0   957  79.5   0.0   43.3    0.0   0.0     0.0   43.3    0.0  1858.2     0.0     SH 2
 8829 -  8303    5 0   433  48.8   0.0   31.9    0.0   0.0     0.0   31.9    0.0  1890.2     0.0     SH 2
 8303 -  8718    5 0   394  48.5   0.0   29.2    0.0   0.0     0.0   29.2    0.0  1919.4     0.0     SH 2
 8718 -  8830    8 0  2674  79.1   0.0  121.7    0.0   0.0     0.0  121.7    0.0  2041.1     0.0
 8830 -  8305   10 0  3113  99.6   0.0  112.5    0.0   0.0     0.0  112.5    0.0  2153.6     0.0     SH 2
 8305 -  8687   10 0   853  99.6   0.0   30.8    0.0   0.0     0.0   30.8    0.0  2184.5     0.0     SH 2
 8687 -  8684   10 0  1674  99.5   0.0   60.6    0.0   0.0     0.0   60.6    0.0  2245.0     0.0     SH 2
 8684 -  8768   10 0  3761  99.6   0.0  135.9    0.0   0.0     0.0  135.9    0.0  2381.0     0.0     SH 2
 8768 -  8873   19 0  3775  94.3   0.0  144.1    0.0   0.0     0.0  144.1    0.0  2525.1     0.0     SH 2
 8873 -  3384   19 0  2233  94.4   0.0   85.2    0.0   0.0     0.0   85.2    0.0  2610.2     0.0     SH 2
 3384 -  8580   19 0  1733  94.3   0.0   66.2    0.0   0.0     0.0   66.2    0.0  2676.4     0.0     SH 2
 8580 -  3396   17 0  1170  74.0   0.0   56.9    0.0   0.0     0.0   56.9    0.0  2733.3     0.0     SH 2
 3396 -  8827   17 0   687  74.0   0.0   33.4    0.0   0.0     0.0   33.4    0.0  2766.7     0.0     SH 2
 8827 -  8312    5 0   338  48.7   0.0   25.0    0.0   0.0     0.0   25.0    0.0  2791.7     0.0     SH 2
 8312 -  8313    5 0   133  48.5   0.0    9.9    0.0   0.0     0.0    9.9    0.0  2801.6     0.0     SH 2
 8313 -  9184    4 0   158  38.6   0.0   14.7    0.0   0.0     0.0   14.7    0.0  2816.3     0.0     SH 2
 9184 -  8685    4 0    88  38.3   0.0    8.3    0.0   0.0     0.0    8.3    0.0  2824.6     0.0     SH 2
 8685 -  9165    4 0   750  39.0   0.0   69.2    0.0   0.0     0.0   69.2    0.0  2893.8     0.0     SH 2
 9165 -  9156    5 0   178  47.0   0.0   13.6    0.0   0.0     0.0   13.6    0.0  2907.5     0.0     SH 26
 9156 -  8720    6 0   712  57.8   0.0   44.3    0.0   0.0     0.0   44.3    0.0  2951.8     0.0     SH 2
 8720 -  8320    8 0  5754  78.7   0.0  263.2    0.0   0.0     0.0  263.2    0.0  3215.0     0.0     SH 2
 8320 -  8826    8 0  5351  78.8   0.0  244.5    0.0   0.0     0.0  244.5    0.0  3459.5     0.0     SH 2
 8826 -  8868    9 0  6376  88.9   0.0  258.2    0.0   0.0     0.0  258.2    0.0  3717.7     0.0     SH 2
 8868 -  3401    9 0   981  88.9   0.0   39.7    0.0   0.0     0.0   39.7    0.0  3757.4     0.0     SH 2
 3401 -  8310    9 0   326  88.6   0.0   13.2    0.0   0.0     0.0   13.2    0.0  3770.6     0.0     SH 2
 8310 -  9159   16 0    68  63.8   0.0    3.8    0.0   0.0     0.0    3.8    0.0  3774.5     0.0     SH 2
 9159 -  9160   16 0   136  64.5   0.0    7.6    0.0   0.0     0.0    7.6    0.0  3782.1     0.0     SH 2
 9160 -  9181   16 0   270  64.5   0.0   15.1    0.0   0.0     0.0   15.1    0.0  3797.1     0.0     SH 2
 9181 -  8311    5 0   212  49.0   0.0   15.6    0.0   0.0     0.0   15.6    0.0  3812.7     0.0     SH 2
 8311 -  8604    4 3   158  39.0   0.0   14.6    0.0   9.0     0.0   23.6    0.0  3836.3     0.0     SH 2
 8604 -  8605    4 0    47  39.6   0.0    4.3    0.0   0.0     0.0    4.3    0.0  3840.6     0.0     SH 2
 8605 -  8536    5 0   128  49.6   0.0    9.3    0.0   1.0     0.0   10.3    0.0  3850.9     0.0     SH 2
 8536 -  9178    6 0   821  59.3   0.0   49.8    0.0   0.0     0.0   49.8    0.0  3900.7     0.0     SH 2
 9178 -  9157    9 0   378  88.7   0.0   15.3    0.0   0.0     0.0   15.3    0.0  3916.0     0.0     SH 2
 9157 -  8646    9 0   930  88.7   0.0   37.7    0.0   0.0     0.0   37.7    0.0  3953.8     0.0     SH 2
 8646 -  8317    9 0   263  88.6   0.0   10.7    0.0   0.0     0.0   10.7    0.0  3964.5     0.0     SH 2
 8317 -  8906    9 0    54  88.6   0.0    2.2    0.0   1.0     0.0    3.2    0.0  3967.7     0.0     SH 2
 8906 -  3398    9 0  1339  88.9   0.0   54.2    0.0   0.0     0.0   54.2    0.0  4021.9     0.0     SH 2
```

3398 -	9142	9	0	1279	88.9	0.0	51.8	0.0	0.0	0.0	51.8	0.0	4073.7	0.0	SH 2
9142 -	8318	9	0	2434	88.9	0.0	98.6	0.0	0.0	0.0	98.6	0.0	4172.3	0.0	SH 2
8318 -	8281	9	0	2990	88.6	0.0	121.5	0.0	0.0	0.0	121.5	0.0	4293.7	0.0	SH 2
8281 -	8698	9	0	2517	88.6	0.0	102.3	0.0	0.0	0.0	102.3	0.0	4396.0	0.0	SH 2
8698 -	8666	9	0	3224	88.1	0.0	131.7	0.0	0.0	0.0	131.7	0.0	4527.8	0.0	KATIKATI NORTH ROAD
8666 -	3517	9	0	2533	88.1	0.0	103.5	0.0	0.0	0.0	103.5	0.0	4631.3	0.0	KATIKATI NORTH ROAD
3517 -	8773	9	0	1338	87.8	0.0	54.9	0.0	0.0	0.0	54.9	0.0	4686.1	0.0	KATIKATI NORTH ROAD
8773 -	8747	9	0	3034	87.6	0.0	124.7	0.0	0.0	0.0	124.7	0.0	4810.8	0.0	KATIKATI NORTH ROAD
8747 -	8690	5	0	1437	45.8	0.0	113.0	0.0	0.0	0.0	113.0	0.0	4923.8	0.0	KATIKATI NORTH ROAD
8690 -	3608	5	0	863	45.9	0.0	67.7	0.0	0.0	0.0	67.7	0.0	4991.4	0.0	MAIN ROAD
3608 -	8581	5	0	687	46.5	0.0	53.2	0.0	0.0	0.0	53.2	0.0	5044.6	0.0	MAIN ROAD
8581 -	8327	9	0	4588	87.7	0.0	188.3	0.0	0.0	0.0	188.3	0.0	5233.0	0.0	TAURANGA WEST ROAD
8327 -	3610	9	0	3871	87.5	0.0	159.3	0.0	0.0	0.0	159.3	0.0	5392.2	0.0	TAURANGA WEST ROAD
3610 -	3609	9	0	2804	87.5	0.0	115.4	0.0	0.0	0.0	115.4	0.0	5507.6	0.0	TAURANGA WEST ROAD
3609 -	3611	9	0	4292	87.1	0.0	177.4	0.0	0.0	0.0	177.4	0.0	5685.0	0.0	TAURANGA WEST ROAD
3611 -	8728	9	0	1827	86.6	0.0	75.9	0.0	0.0	0.0	75.9	0.0	5760.9	0.0	TAURANGA WEST ROAD
8728 -	3613	8	0	994	75.5	0.0	47.4	0.0	0.0	0.0	47.4	0.0	5808.3	0.0	TAURANGA WEST ROAD
3613 -	8885	8	0	990	75.4	0.0	47.3	0.0	0.0	0.0	47.3	0.0	5855.6	0.0	TAURANGA WEST ROAD
8885 -	8328	8	0	2138	75.3	0.0	102.2	0.0	0.0	0.0	102.2	0.0	5957.8	0.0	TAURANGA WEST ROAD
8328 -	9387	8	0	713	75.0	0.0	34.2	0.0	0.0	0.0	34.2	0.0	5992.0	0.0	TAURANGA WEST ROAD
9387 -	9389	8	0	2148	75.0	0.0	103.1	0.0	0.0	0.0	103.1	0.0	6095.1	0.0	TAURANGA WEST ROAD
9389 -	9049	8	0	1002	75.0	0.0	48.1	0.0	0.0	0.0	48.1	0.0	6143.2	0.0	TAURANGA WEST ROAD
9049 -	8884	7	0	1232	62.7	0.0	70.7	0.0	0.0	0.0	70.7	0.0	6214.0	0.0	TAURANGA WEST ROAD
8884 -	9390	7	0	113	56.3	0.0	7.2	0.0	0.0	0.0	7.2	0.0	6221.2	0.0	
9390 -	9401	6	0	108	22.1	0.0	17.6	0.0	0.0	0.0	17.6	0.0	6238.8	0.0	
9401 -	9376	6	0	746	22.1	0.0	121.5	0.0	0.0	0.0	121.5	0.0	6360.3	0.0	SH 2
9376 -	9255	6	0	340	24.5	0.0	50.0	0.0	0.0	0.0	50.0	0.0	6410.3	0.0	SH 2
9255 -	9254	6	3	443	21.5	0.0	74.2	0.0	11.0	0.0	85.2	0.0	6495.5	0.0	SH 2
9254 -	9381	17	0	721	39.8	0.0	65.2	0.0	0.0	0.0	65.2	0.0	6560.7	0.0	SH 2
9381 -	9292	17	0	614	26.7	0.0	82.8	0.0	0.0	0.0	82.8	0.0	6643.5	0.0	SH 2
9292 -	9341	17	0	215	70.7	0.0	10.9	0.0	0.0	0.0	10.9	0.0	6654.4	0.0	TAMATEA ARIKINUI DRIV
9341 -	9336	17	0	345	72.8	0.0	17.1	0.0	0.0	0.0	17.1	0.0	6671.5	0.0	TAMATEA ARIKINUI DRIV
9336 -	9335	17	0	594	72.8	0.0	29.4	0.0	0.0	0.0	29.4	0.0	6700.8	0.0	TAMATEA ARIKINUI DRIV
9335 -	8732	17	0	38	72.8	0.0	1.9	0.0	0.0	0.0	1.9	0.0	6702.7	0.0	TAMATEA ARIKINUI DRIV
8732 -	9623	17	0	34	72.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	6704.4	0.0	TAMATEA ARIKINUI DRIV
9623 -	9324	17	0	251	72.0	0.0	12.6	0.0	0.0	0.0	12.6	0.0	6717.0	0.0	TAMATEA ARIKINUI DRIV
9324 -	9350	17	0	94	71.2	0.0	4.8	0.0	0.0	0.0	4.8	0.0	6721.7	0.0	TAMATEA ARIKINUI DRIV
9350 -	9325	17	0	233	71.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	6733.5	0.0	TAMATEA ARIKINUI DRIV
9325 -	9459	17	0	339	71.2	0.0	17.1	0.0	0.0	0.0	17.1	0.0	6750.6	0.0	TAMATEA ARIKINUI DRIV
9459 -	9263	17	0	248	70.9	0.0	12.6	0.0	0.0	0.0	12.6	0.0	6763.2	0.0	TAMATEA ARIKINUI DRIV
9263 -	9262	17	0	116	70.9	0.0	5.9	0.0	0.0	0.0	5.9	0.0	6769.1	0.0	TAMATEA ARIKINUI DRIV
9262 -	9348	15	6	386	48.9	0.0	28.4	0.0	21.0	0.0	49.4	0.0	6818.5	0.0	TAMATEA ARIKINUI DRIV
9348 -	9369	15	0	282	41.3	0.0	24.6	0.0	0.0	0.0	24.6	0.0	6843.1	0.0	SH 2
9369 -	9364	15	7	283	39.4	0.0	25.9	0.0	9.0	0.0	34.9	0.0	6878.0	0.0	SH 2
9364 -	8898	15	0	266	49.3	0.0	19.4	0.0	2.0	0.0	21.4	0.0	6899.4	0.0	SH 2
8898 -	9400	15	0	1346	48.9	0.0	99.1	0.0	0.0	0.0	99.1	0.0	6998.5	0.0	SH 2
9400 -	9388	8	0	810	77.8	0.0	37.5	0.0	0.0	0.0	37.5	0.0	7036.0	0.0	SH 2
9388 -	9395	15	3	71	52.5	0.0	4.9	0.0	16.1	0.0	21.0	0.0	7056.9	0.0	SH 2

Modelled Totals	154044	78.6		6981.8		75.1		7056.9	
Observed Totals			0.0		6894.0		10.1		6904.1

Observed Journey Time =	6904.10	Implied Average Speed =	80.3
Modelled Journey Time =	7056.94	Modelled Average Speed =	78.6
	102.21%		97.83%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  2 Movement Analysis - times in seconds

R1WB SH2
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9395 - 9388	15	0	71	50.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	SH 2
9388 - 9400	8	0	810	76.4	0.0	38.2	0.0	0.0	0.0	38.2	0.0	43.2	0.0	SH 2
9400 - 8898	15	0	1346	13.1	0.0	369.9	0.0	3.0	0.0	372.9	0.0	416.1	0.0	SH 2
8898 - 9364	15	7	266	23.8	0.0	40.2	0.0	9.0	0.0	49.2	0.0	465.3	0.0	SH 2
9364 - 9369	15	0	283	49.4	0.0	20.6	0.0	0.0	0.0	20.6	0.0	485.9	0.0	SH 2
9369 - 9348	15	6	282	43.6	0.0	23.3	0.0	15.0	0.0	38.3	0.0	524.2	0.0	SH 2
9348 - 9262	15	0	386	52.9	0.0	26.3	0.0	0.0	0.0	26.3	0.0	550.5	0.0	TAMATEA ARIKINUI DRIV
9262 - 9263	17	0	116	73.3	0.0	5.7	0.0	0.0	0.0	5.7	0.0	556.2	0.0	TAMATEA ARIKINUI DRIV
9263 - 9459	17	0	248	73.3	0.0	12.2	0.0	0.0	0.0	12.2	0.0	568.4	0.0	TAMATEA ARIKINUI DRIV
9459 - 9325	17	0	339	73.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	585.0	0.0	TAMATEA ARIKINUI DRIV
9325 - 9350	17	0	233	72.9	0.0	11.5	0.0	0.0	0.0	11.5	0.0	596.5	0.0	TAMATEA ARIKINUI DRIV
9350 - 9324	17	0	94	72.9	0.0	4.6	0.0	0.0	0.0	4.6	0.0	601.2	0.0	TAMATEA ARIKINUI DRIV
9324 - 9623	17	0	251	72.9	0.0	12.4	0.0	0.0	0.0	12.4	0.0	613.6	0.0	TAMATEA ARIKINUI DRIV
9623 - 9335	15	0	70	52.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	618.4	0.0	TAMATEA ARIKINUI DRIV
9335 - 9336	17	0	594	73.7	0.0	29.0	0.0	0.0	0.0	29.0	0.0	647.4	0.0	TAMATEA ARIKINUI DRIV
9336 - 9341	17	0	345	73.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	664.2	0.0	TAMATEA ARIKINUI DRIV
9341 - 9292	17	0	215	73.7	0.0	10.5	0.0	0.0	0.0	10.5	0.0	674.7	0.0	TAMATEA ARIKINUI DRIV
9292 - 9381	17	0	614	73.1	0.0	30.2	0.0	0.0	0.0	30.2	0.0	705.0	0.0	SH 2
9381 - 9254	17	3	721	73.1	0.0	35.5	0.0	14.0	0.0	49.5	0.0	754.5	0.0	SH 2
9254 - 9255	6	0	443	55.7	0.0	28.6	0.0	0.0	0.0	28.6	0.0	783.1	0.0	SH 2
9255 - 9376	6	0	340	56.4	0.0	21.7	0.0	0.0	0.0	21.7	0.0	804.8	0.0	SH 2
9376 - 9401	6	0	746	56.3	0.0	47.7	0.0	0.0	0.0	47.7	0.0	852.5	0.0	SH 2
9401 - 9390	6	0	108	56.3	0.0	6.9	0.0	0.0	0.0	6.9	0.0	859.4	0.0	
9390 - 8884	7	0	113	67.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	865.5	0.0	
8884 - 9049	7	0	1232	67.6	0.0	65.6	0.0	0.0	0.0	65.6	0.0	931.1	0.0	TAURANGA WEST ROAD
9049 - 9389	8	0	1002	77.8	0.0	46.4	0.0	0.0	0.0	46.4	0.0	977.4	0.0	TAURANGA WEST ROAD
9389 - 9387	8	0	2148	77.8	0.0	99.4	0.0	0.0	0.0	99.4	0.0	1076.8	0.0	TAURANGA WEST ROAD
9387 - 8328	8	0	713	77.8	0.0	33.0	0.0	0.0	0.0	33.0	0.0	1109.8	0.0	TAURANGA WEST ROAD
8328 - 8885	8	0	2138	77.8	0.0	98.9	0.0	0.0	0.0	98.9	0.0	1208.8	0.0	TAURANGA WEST ROAD
8885 - 3613	8	0	990	78.0	0.0	45.7	0.0	0.0	0.0	45.7	0.0	1254.5	0.0	TAURANGA WEST ROAD
3613 - 8728	8	0	994	78.0	0.0	45.9	0.0	0.0	0.0	45.9	0.0	1300.3	0.0	TAURANGA WEST ROAD
8728 - 3611	9	0	1827	88.1	0.0	74.7	0.0	0.0	0.0	74.7	0.0	1375.0	0.0	TAURANGA WEST ROAD
3611 - 3609	9	0	4292	88.2	0.0	175.2	0.0	0.0	0.0	175.2	0.0	1550.2	0.0	TAURANGA WEST ROAD
3609 - 3610	9	0	2804	88.3	0.0	114.3	0.0	0.0	0.0	114.3	0.0	1664.5	0.0	TAURANGA WEST ROAD
3610 - 8327	9	0	3871	88.3	0.0	157.8	0.0	0.0	0.0	157.8	0.0	1822.3	0.0	TAURANGA WEST ROAD
8327 - 8581	9	0	4588	88.1	0.0	187.5	0.0	0.0	0.0	187.5	0.0	2009.8	0.0	TAURANGA WEST ROAD
8581 - 3608	5	0	687	47.1	0.0	52.5	0.0	0.0	0.0	52.5	0.0	2062.3	0.0	MAIN ROAD
3608 - 8690	5	0	863	47.3	0.0	65.7	0.0	0.0	0.0	65.7	0.0	2128.0	0.0	MAIN ROAD
8690 - 8747	5	0	1437	48.1	0.0	107.6	0.0	0.0	0.0	107.6	0.0	2235.5	0.0	KATIKATI NORTH ROAD
8747 - 8773	9	0	3034	88.6	0.0	123.3	0.0	0.0	0.0	123.3	0.0	2358.8	0.0	KATIKATI NORTH ROAD
8773 - 3517	9	0	1338	88.6	0.0	54.4	0.0	0.0	0.0	54.4	0.0	2413.2	0.0	KATIKATI NORTH ROAD
3517 - 8666	9	0	2533	88.6	0.0	102.9	0.0	0.0	0.0	102.9	0.0	2516.1	0.0	KATIKATI NORTH ROAD
8666 - 8698	9	0	3224	88.6	0.0	131.0	0.0	0.0	0.0	131.0	0.0	2647.1	0.0	KATIKATI NORTH ROAD
8698 - 8281	9	0	2517	88.8	0.0	102.0	0.0	0.0	0.0	102.0	0.0	2749.1	0.0	SH 2
8281 - 8318	9	0	2990	88.7	0.0	121.4	0.0	0.0	0.0	121.4	0.0	2870.5	0.0	SH 2
8318 - 9142	9	0	2434	89.0	0.0	98.5	0.0	0.0	0.0	98.5	0.0	2968.9	0.0	SH 2
9142 - 3398	9	0	1279	88.9	0.0	51.8	0.0	0.0	0.0	51.8	0.0	3020.7	0.0	SH 2
3398 - 8906	9	0	1339	88.9	0.0	54.2	0.0	0.0	0.0	54.2	0.0	3075.0	0.0	SH 2
8906 - 8317	9	0	54	88.3	0.0	2.2	0.0	0.0	0.0	2.2	0.0	3077.2	0.0	SH 2
8317 - 8646	9	0	263	88.3	0.0	10.7	0.0	0.0	0.0	10.7	0.0	3087.9	0.0	SH 2
8646 - 9157	9	0	930	88.5	0.0	37.8	0.0	0.0	0.0	37.8	0.0	3125.7	0.0	SH 2
9157 - 9178	9	0	378	88.3	0.0	15.4	0.0	0.0	0.0	15.4	0.0	3141.1	0.0	SH 2
9178 - 8536	6	0	821	58.8	0.0	50.3	0.0	1.0	0.0	51.3	0.0	3192.4	0.0	SH 2
8536 - 8605	5	0	128	48.4	0.0	9.5	0.0	0.0	0.0	9.5	0.0	3201.9	0.0	SH 2
8605 - 8604	4	3	47	38.5	0.0	4.4	0.0	4.0	0.0	8.4	0.0	3210.3	0.0	SH 2
8604 - 8311	4	0	158	38.5	0.0	14.8	0.0	0.0	0.0	14.8	0.0	3225.1	0.0	SH 2
8311 - 9181	5	0	212	49.1	0.0	15.5	0.0	0.0	0.0	15.5	0.0	3240.6	0.0	SH 2
9181 - 9160	16	0	270	64.6	0.0	15.0	0.0	0.0	0.0	15.0	0.0	3255.7	0.0	SH 2
9160 - 9159	16	0	136	64.6	0.0	7.6	0.0	0.0	0.0	7.6	0.0	3263.2	0.0	SH 2
9159 - 8310	16	0	68	64.1	0.0	3.8	0.0	0.0	0.0	3.8	0.0	3267.1	0.0	SH 2
8310 - 3401	9	0	326	88.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	3280.3	0.0	SH 2
3401 - 8868	9	0	981	88.9	0.0	39.7	0.0	0.0	0.0	39.7	0.0	3320.0	0.0	SH 2
8868 - 8826	9	0	6376	88.9	0.0	258.2	0.0	0.0	0.0	258.2	0.0	3578.2	0.0	SH 2
8826 - 8320	8	0	5351	78.6	0.0	245.1	0.0	0.0	0.0	245.1	0.0	3823.3	0.0	SH 2
8320 - 8720	8	0	5754	78.5	0.0	263.9	0.0	0.0	0.0	263.9	0.0	4087.2	0.0	SH 2
8720 - 9156	6	0	712	57.8	0.0	44.3	0.0	0.0	0.0	44.3	0.0	4131.5	0.0	SH 2
9156 - 9165	5	0	178	47.4	0.0	13.5	0.0	0.0	0.0	13.5	0.0	4145.0	0.0	SH 26
9165 - 8685	4	0	750	39.1	0.0	69.1	0.0	0.0	0.0	69.1	0.0	4214.1	0.0	SH 2
8685 - 9184	4	0	88	38.6	0.0	8.2	0.0	0.0	0.0	8.2	0.0	4222.3	0.0	SH 2
9184 - 8313	4	0	158	38.8	0.0	14.7	0.0	0.0	0.0	14.7	0.0	4237.0	0.0	SH 2
8313 - 8312	5	0	133	48.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	4246.8	0.0	SH 2
8312 - 8827	5	0	338	48.8	0.0	24.9	0.0	0.0	0.0	24.9	0.0	4271.7	0.0	SH 2
8827 - 3396	17	0	687	74.1	0.0	33.4	0.0	0.0	0.0	33.4	0.0	4305.1	0.0	SH 2
3396 - 8580	17	0	1170	74.1	0.0	56.8	0.0	0.0	0.0	56.8	0.0	4362.0	0.0	SH 2
8580 - 3384	19	0	1733	94.3	0.0	66.2	0.0	0.0	0.0	66.2	0.0	4428.1	0.0	SH 2
3384 - 8873	19	0	2233	94.3	0.0	85.2	0.0	0.0	0.0	85.2	0.0	4513.4	0.0	SH 2
8873 - 8768	19	0	3775	94.3	0.0	144.1	0.0	0.0	0.0	144.1	0.0	4657.5	0.0	SH 2
8768 - 8684	10	0	3761	99.6	0.0	135.9	0.0	0.0	0.0	135.9	0.0	4793.4	0.0	SH 2
8684 - 8687	10	0	1674	99.4	0.0	60.6	0.0	1.0	0.0	61.6	0.0	4855.0	0.0	SH 2
8687 - 8305	10	0	853	99.5	0.0	30.9	0.0	0.0	0.0	30.9	0.0	4885.9	0.0	SH 2
8305 - 8830	10	0	3113	99.5	0.0	112.6	0.0	0.0	0.0	112.6	0.0	4998.5	0.0	SH 2
8830 - 8718	8	0	2674	78.8	0.0	122.2	0.0	0.0	0.0	122.2	0.0	5120.7	0.0	
8718 - 8303	5	0	394	48.1	0.0	29.5	0.0	0.0	0.0	29.5	0.0	5150.2	0.0	SH 2
8303 - 8829	5	0	433	48.7	0.0	32.0	0.0	0.0	0.0	32.0	0.0	5182.2	0.0	SH 2
8829 - 8828	8	0	957	79.2	0.0	43.5	0.0	0.0	0.0	43.5	0.0	5225.7	0.0	SH 2
8828 - 10731	9	0	3629	89.0	0.0	146.8	0.0	0.0	0.0	146.8	0.0	5372.5	0.0	SH 2
10731 - 8444	9	0	6059	89.0	0.0	245.1	0.0	0.0	0.0	245.1	0.0	5617.6	0.0	SH 2
8444 - 9562	10	4	85	99.5	0.0	3.1	0.0	14.0	0.0	17.1	0.0	5634.6	0.0	SH 2
9562 - 8445	10	0	71	99.2	0.0	2.6	0.0	0.0	0.0	2.6	0.0	5637.2	0.0	SH 2

8445 -	2941	19 0	1113	94.1	0.0	42.6	0.0	0.0	0.0	42.6	0.0	5679.8	0.0	SH 2
2941 -	9720	19 0	2118	93.9	0.0	81.2	0.0	0.0	0.0	81.2	0.0	5761.0	0.0	SH 2
9720 -	9719	10 0	115	99.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	5765.2	0.0	SH 2
9719 -	9559	10 0	3055	99.1	0.0	111.0	0.0	0.0	0.0	111.0	0.0	5876.2	0.0	SH 2
9559 -	8302	10 0	4284	99.3	0.0	155.3	0.0	0.0	0.0	155.3	0.0	6031.5	0.0	SH 2
8302 -	9561	18 0	3842	83.5	0.0	165.6	0.0	0.0	0.0	165.6	0.0	6197.1	0.0	SH 2
9561 -	10179	18 0	4323	83.5	0.0	186.4	0.0	0.0	0.0	186.4	0.0	6383.5	0.0	SH 2
10179 -	10184	10 0	4818	99.2	0.0	174.8	0.0	0.0	0.0	174.8	0.0	6558.3	0.0	SH 2
10184 -	10185	10 0	3828	98.9	0.0	139.3	0.0	0.0	0.0	139.3	0.0	6697.7	0.0	SH 2
10185 -	9564	10 0	1086	98.9	0.0	39.5	0.0	0.0	0.0	39.5	0.0	6737.2	0.0	SH2
9564 -	11582	19 0	8269	93.6	0.0	318.0	0.0	0.0	0.0	318.0	0.0	7055.3	0.0	-- no name --

Modelled Totals	154070	78.6		6994.3		61.0		7055.3	
Observed Totals			0.0		6851.0		17.6		6868.6

Observed Journey Time =	6868.60	Implied Average Speed =	80.8
Modelled Journey Time =	7055.25	Modelled Average Speed =	78.6
	102.72%		97.35%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  3 Movement Analysis - times in seconds

R2aNB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3480 - 3488	15	0	176	51.6	0.0	12.3	0.0	0.0	0.0	12.3	0.0	12.3	0.0	GREAT SOUTH ROAD
3488 - 3514	15	0	163	51.6	0.0	11.4	0.0	0.0	0.0	11.4	0.0	23.7	0.0	GREAT SOUTH ROAD
3514 - 3501	15	3	180	51.6	0.0	12.6	0.0	8.0	0.0	20.6	0.0	44.2	0.0	GREAT SOUTH ROAD
3501 - 3513	15	0	68	52.0	0.0	4.7	0.0	0.0	0.0	4.7	0.0	48.9	0.0	GREAT SOUTH ROAD
3513 - 3511	15	0	344	43.6	0.0	28.4	0.0	0.0	0.0	28.4	0.0	77.3	0.0	GREAT SOUTH ROAD
3511 - 3504	15	3	118	52.0	0.0	8.2	0.0	13.0	0.0	21.2	0.0	98.5	0.0	GREAT SOUTH ROAD
3504 - 3508	8	0	114	78.2	0.0	5.2	0.0	3.0	0.0	8.2	0.0	106.7	0.0	TE RAPA ROAD
3508 - 6799	9	0	1043	86.8	0.0	43.3	0.0	0.0	0.0	43.3	0.0	150.0	0.0	TE RAPA ROAD
6799 - 3798	9	0	101	87.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	154.2	0.0	TE RAPA ROAD
3798 - 3296	9	0	747	87.6	0.0	30.7	0.0	0.0	0.0	30.7	0.0	184.9	0.0	GREAT SOUTH ROAD
3296 - 3797	9	0	475	87.8	0.0	19.5	0.0	0.0	0.0	19.5	0.0	204.3	0.0	GREAT SOUTH ROAD
3797 - 2802	10	0	139	98.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	209.4	0.0	SH 1
2802 - 10419	10	0	199	98.2	0.0	7.3	0.0	0.0	0.0	7.3	0.0	216.7	0.0	
10419 - 2803	10	0	37	98.2	0.0	1.4	0.0	0.0	0.0	1.4	0.0	218.1	0.0	
2803 - 2806	10	0	276	98.2	0.0	10.1	0.0	0.0	0.0	10.1	0.0	228.2	0.0	SH 1
2806 - 2545	10	0	345	98.2	0.0	12.6	0.0	0.0	0.0	12.6	0.0	240.9	0.0	SH 1
2545 - 2678	10	0	350	98.2	0.0	12.8	0.0	0.0	0.0	12.8	0.0	253.7	0.0	SH 1
2678 - 2680	10	0	89	98.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	257.0	0.0	SH 1
2680 - 10680	10	0	739	98.2	0.0	27.1	0.0	0.0	0.0	27.1	0.0	284.0	0.0	SH 1
10680 - 2679	10	0	567	98.2	0.0	20.8	0.0	0.0	0.0	20.8	0.0	304.8	0.0	SH 1
2679 - 2544	10	0	144	98.1	0.0	5.3	0.0	0.0	0.0	5.3	0.0	310.1	0.0	SH 1
2544 - 5565	10	0	186	98.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	316.9	0.0	SH 1
5565 - 2827	10	0	315	98.1	0.0	11.6	0.0	0.0	0.0	11.6	0.0	328.5	0.0	SH 1
2827 - 2833	10	0	384	98.2	0.0	14.1	0.0	0.0	0.0	14.1	0.0	342.6	0.0	SH 1
2833 - 2837	10	0	196	98.2	0.0	7.2	0.0	0.0	0.0	7.2	0.0	349.8	0.0	SH 1
2837 - 2831	10	0	83	98.2	0.0	3.0	0.0	0.0	0.0	3.0	0.0	352.8	0.0	SH 1
2831 - 4602	10	0	482	98.2	0.0	17.7	0.0	2.0	0.0	19.7	0.0	372.5	0.0	SH 1
4602 - 10335	10	0	536	98.3	0.0	19.6	0.0	0.0	0.0	19.6	0.0	392.1	0.0	SH 1
10335 - 2696	10	0	10	98.3	0.0	0.4	0.0	0.0	0.0	0.4	0.0	392.5	0.0	SH 1
2696 - 10585	10	0	949	98.3	0.0	34.8	0.0	0.0	0.0	34.8	0.0	427.2	0.0	SH 1
10585 - 4796	9	0	61	87.4	0.0	2.5	0.0	0.0	0.0	2.5	0.0	429.7	0.0	SH 1
4796 - 3779	10	0	715	98.3	0.0	26.2	0.0	0.0	0.0	26.2	0.0	455.9	0.0	SH 1
3779 - 3780	7	0	134	67.3	0.0	7.2	0.0	0.0	0.0	7.2	0.0	463.1	0.0	SH 1
3780 - 5577	7	0	182	67.3	0.0	9.7	0.0	0.0	0.0	9.7	0.0	472.8	0.0	SH 1
5577 - 5519	7	0	28	67.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	474.3	0.0	
5519 - 2809	7	0	359	67.4	0.0	19.2	0.0	0.0	0.0	19.2	0.0	493.5	0.0	SH 1
2809 - 5520	7	0	439	67.5	0.0	23.4	0.0	0.0	0.0	23.4	0.0	516.9	0.0	SH 1
5520 - 10230	7	0	153	67.7	0.0	8.1	0.0	0.0	0.0	8.1	0.0	525.0	0.0	SH 1
10230 - 4603	15	0	88	52.4	0.0	6.0	0.0	0.0	0.0	6.0	0.0	531.1	0.0	SH 1
4603 - 5824	15	0	99	52.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	537.9	0.0	
5824 - 5729	15	0	305	52.0	0.0	21.1	0.0	0.0	0.0	21.1	0.0	559.0	0.0	SH 1
5729 - 5764	15	0	172	52.0	0.0	11.9	0.0	0.0	0.0	11.9	0.0	570.9	0.0	SH 1
5764 - 5684	15	0	170	52.0	0.0	11.8	0.0	0.0	0.0	11.8	0.0	582.7	0.0	SH 1
5684 - 5731	15	0	146	51.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	592.8	0.0	SH 1
5731 - 5810	6	0	92	56.4	0.0	5.9	0.0	0.0	0.0	5.9	0.0	598.7	0.0	SH 1
5810 - 5765	6	0	66	56.8	0.0	4.2	0.0	0.0	0.0	4.2	0.0	602.9	0.0	SH 1
5765 - 5497	6	0	321	56.8	0.0	20.3	0.0	2.0	0.0	22.3	0.0	625.2	0.0	
5497 - 4184	6	0	15	57.4	0.0	0.9	0.0	0.0	0.0	0.9	0.0	626.2	0.0	
4184 - 4183	6	0	164	57.3	0.0	10.3	0.0	0.0	0.0	10.3	0.0	636.5	0.0	SH 1
4183 - 5521	6	0	150	57.3	0.0	9.4	0.0	0.0	0.0	9.4	0.0	645.9	0.0	SH 1
5521 - 10229	6	0	139	57.3	0.0	8.7	0.0	0.0	0.0	8.7	0.0	654.6	0.0	SH 1
10229 - 2818	9	0	547	87.8	0.0	22.4	0.0	0.0	0.0	22.4	0.0	677.1	0.0	SH 1
2818 - 2849	9	0	430	87.8	0.0	17.6	0.0	0.0	0.0	17.6	0.0	694.7	0.0	SH 1
2849 - 2811	9	0	864	87.8	0.0	35.4	0.0	0.0	0.0	35.4	0.0	730.1	0.0	SH 1
2811 - 5712	9	0	1301	87.8	0.0	53.3	0.0	0.0	0.0	53.3	0.0	783.5	0.0	SH 1
5712 - 2688	9	0	192	87.7	0.0	7.9	0.0	0.0	0.0	7.9	0.0	791.3	0.0	
2688 - 4800	9	0	225	87.7	0.0	9.2	0.0	0.0	0.0	9.2	0.0	800.6	0.0	SH 1
4800 - 4799	9	0	1097	87.6	0.0	45.1	0.0	0.0	0.0	45.1	0.0	845.7	0.0	SH 1
4799 - 5522	7	0	651	67.1	0.0	34.9	0.0	0.0	0.0	34.9	0.0	880.6	0.0	SH 1
5522 - 5523	7	0	161	67.1	0.0	8.6	0.0	0.0	0.0	8.6	0.0	889.2	0.0	SH 1
5523 - 10324	7	0	119	67.1	0.0	6.4	0.0	0.0	0.0	6.4	0.0	895.6	0.0	SH 1
10324 - 5594	7	0	125	67.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	902.3	0.0	SH 1
5594 - 5524	7	0	404	67.0	0.0	21.7	0.0	0.0	0.0	21.7	0.0	924.0	0.0	SH 1
5524 - 10323	7	0	25	66.3	0.0	1.4	0.0	0.0	0.0	1.4	0.0	925.4	0.0	SH 1
10323 - 9789	7	0	374	66.3	0.0	20.3	0.0	0.0	0.0	20.3	0.0	945.7	0.0	SH 1
9789 - 9917	8	0	3303	76.2	0.0	156.0	0.0	0.0	0.0	156.0	0.0	1101.7	0.0	SH 1
9917 - 9771	8	0	2559	76.2	0.0	120.9	0.0	0.0	0.0	120.9	0.0	1222.6	0.0	-- no name --
9771 - 9943	8	6	21	76.8	0.0	1.0	0.0	17.0	0.0	18.0	0.0	1240.6	0.0	-- no name --
9943 - 9772	8	0	26	76.8	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1241.8	0.0	-- no name --
9772 - 9743	8	0	336	76.2	0.0	15.9	0.0	0.0	0.0	15.9	0.0	1257.7	0.0	-- no name --
9743 - 9753	8	0	383	77.0	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1275.6	0.0	-- no name --
9753 - 9742	8	0	16	77.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1276.4	0.0	-- no name --
9742 - 9752	8	0	21	77.3	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1277.3	0.0	-- no name --
9752 - 9631	8	0	202	77.3	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1286.7	0.0	-- no name --
9631 - 9762	8	0	148	77.3	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1293.6	0.0	-- no name --
9762 - 9744	8	0	13	77.3	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1294.2	0.0	-- no name --
9744 - 9761	8	0	12	77.3	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1294.8	0.0	-- no name --
9761 - 9733	8	4	285	77.3	0.0	13.3	0.0	9.0	0.0	22.3	0.0	1317.1	0.0	-- no name --
9733 - 9635	8	0	691	77.4	0.0	32.1	0.0	0.0	0.0	32.1	0.0	1349.2	0.0	-- no name --
9635 - 9634	8	0	914	77.4	0.0	42.5	0.0	0.0	0.0	42.5	0.0	1391.7	0.0	-- no name --
9634 - 9645	8	0	1176	77.5	0.0	54.6	0.0	0.0	0.0	54.6	0.0	1446.4	0.0	-- no name --
9645 - 9627	8	0	1587	77.5	0.0	73.7	0.0	0.0	0.0	73.7	0.0	1520.1	0.0	SH 1
9627 - 9628	10	0	2656	99.2	0.0	96.4	0.0	0.0	0.0	96.4	0.0	1616.5	0.0	-- no name --
9628 - 9685	10	0	676	99.2	0.0	24.5	0.0	0.0	0.0	24.5	0.0	1641.0	0.0	SH 1
9685 - 9629	10	0	3279	99.2	0.0	119.0	0.0	0.0	0.0	119.0	0.0	1760.0	0.0	SH 1
9629 - 9630	10	0	704	99.2	0.0	25.5	0.0	0.0	0.0	25.5	0.0	1785.5	0.0	SH 1
9630 - 9683	10	0	2125	99.2	0.0	77.1	0.0	0.0	0.0	77.1	0.0	1862.7	0.0	SH 1
9683 - 9684	10	0	91	99.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	1866.0	0.0	SH 1
9684 - 9619	10	0	693	98.3	0.0	25.4	0.0	0.0	0.0	25.4	0.0	1891.3	0.0	SH 1

9619 - 9620	10 0	326	98.3	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1903.3	0.0	SH 1	
9620 - 9616	10 0	417	98.1	0.0	15.3	0.0	0.0	0.0	15.3	0.0	1918.6	0.0	SH 1	
9616 - 9617	10 0	488	98.1	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1936.5	0.0	SH 1	
9617 - 9614	10 0	829	99.0	0.0	30.1	0.0	0.0	0.0	30.1	0.0	1966.6	0.0	SH 1	
9614 - 9502	10 0	2650	99.1	0.0	96.3	0.0	0.0	0.0	96.3	0.0	2062.9	0.0	SH 1	
9502 - 9503	10 0	586	99.1	0.0	21.3	0.0	0.0	0.0	21.3	0.0	2084.2	0.0	SH 1	
9503 - 9611	10 0	116	99.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2088.4	0.0	SH 1	
9611 - 9610	10 0	1114	99.1	0.0	40.5	0.0	0.0	0.0	40.5	0.0	2128.9	0.0	SH 1	
9610 - 9608	10 0	2251	98.3	0.0	82.4	0.0	0.0	0.0	82.4	0.0	2211.3	0.0	SH 1	
9608 - 9639	10 0	1019	99.1	0.0	37.0	0.0	0.0	0.0	37.0	0.0	2248.3	0.0	SH 1	
9639 - 9638	10 0	404	99.1	0.0	14.7	0.0	0.0	0.0	14.7	0.0	2263.0	0.0	SH 1	
9638 - 9727	10 0	5402	99.1	0.0	196.2	0.0	0.0	0.0	196.2	0.0	2459.2	0.0	SH 1	
9727 - 13575	10 0	3975	99.0	0.0	144.5	0.0	0.0	0.0	144.5	0.0	2603.8	0.0	SH 1	
13575 - 13665	10 0	22	99.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	2604.6	0.0	GREAT SOUTH ROAD	
13665 - 13772	10 0	152	99.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	2610.1	0.0	GREAT SOUTH ROAD	
13772 - 13581	10 0	133	99.0	0.0	4.8	0.0	0.0	0.0	4.8	0.0	2614.9	0.0	GREAT SOUTH ROAD	
13581 - 13513	10 0	233	99.0	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2623.4	0.0	GREAT SOUTH ROAD	
13513 - 13774	10 0	47	99.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2625.1	0.0	GREAT SOUTH ROAD	
13774 - 13522	10 0	202	97.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	2632.6	0.0	GREAT SOUTH ROAD	
13522 - 13646	10 0	1779	98.7	0.0	64.9	0.0	0.0	0.0	64.9	0.0	2697.5	0.0	GREAT SOUTH ROAD	
13646 - 13564	10 0	181	98.7	0.0	6.6	0.0	0.0	0.0	6.6	0.0	2704.1	0.0	GREAT SOUTH ROAD	
13564 - 13767	10 0	55	98.7	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2706.1	0.0	GREAT SOUTH ROAD	
13767 - 13588	10 0	204	98.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2713.5	0.0	GREAT SOUTH ROAD	
13588 - 13565	10 0	735	98.7	0.0	26.8	0.0	0.0	0.0	26.8	0.0	2740.3	0.0	GREAT SOUTH ROAD	
13565 - 13440	10 0	332	98.7	0.0	12.1	0.0	0.0	0.0	12.1	0.0	2752.4	0.0	GREAT SOUTH ROAD	
13440 - 13687	10 0	46	98.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2754.1	0.0	SH 1	
13687 - 13528	10 0	1373	98.8	0.0	50.0	0.0	0.0	0.0	50.0	0.0	2804.1	0.0	SH 1	
13528 - 13527	10 0	66	98.8	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2806.6	0.0	SH 1	
13527 - 13671	10 0	360	98.8	0.0	13.1	0.0	0.0	0.0	13.1	0.0	2819.7	0.0	SH 1	
13671 - 13484	10 0	190	98.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	2826.6	0.0	GREAT SOUTH ROAD	

Modelled Totals	67672	86.2		2772.6		54.0		2826.6	
Observed Totals			0.0		2884.0		25.0		2909.0

Observed Journey Time =	2909.00	Implied Average Speed =	83.7
Modelled Journey Time =	2826.60	Modelled Average Speed =	86.2
	97.17%		102.92%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  4 Movement Analysis - times in seconds

R2aSB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9904 - 10053	10	0	190	98.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	GREAT SOUTH ROAD
10053 - 13484	10	0	190	98.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	GREAT SOUTH ROAD
13484 - 13671	10	0	190	99.2	0.0	6.9	0.0	0.0	0.0	6.9	0.0	6.9	0.0	GREAT SOUTH ROAD
13671 - 13527	10	0	360	99.3	0.0	13.1	0.0	0.0	0.0	13.1	0.0	19.9	0.0	SH 1
13527 - 13528	10	0	66	99.3	0.0	2.4	0.0	0.0	0.0	2.4	0.0	22.3	0.0	SH 1
13528 - 13687	10	0	1373	99.3	0.0	49.8	0.0	0.0	0.0	49.8	0.0	72.1	0.0	SH 1
13687 - 13440	10	0	46	99.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	73.8	0.0	SH 1
13440 - 13565	10	0	332	99.2	0.0	12.0	0.0	0.0	0.0	12.0	0.0	85.8	0.0	GREAT SOUTH ROAD
13565 - 13588	10	0	735	99.2	0.0	26.7	0.0	0.0	0.0	26.7	0.0	112.5	0.0	GREAT SOUTH ROAD
13588 - 13767	10	0	204	99.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	119.9	0.0	GREAT SOUTH ROAD
13767 - 13564	10	0	55	99.2	0.0	2.0	0.0	0.0	0.0	2.0	0.0	121.9	0.0	GREAT SOUTH ROAD
13564 - 13646	10	0	181	99.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	128.5	0.0	GREAT SOUTH ROAD
13646 - 13522	10	0	1779	99.2	0.0	64.6	0.0	0.0	0.0	64.6	0.0	193.0	0.0	GREAT SOUTH ROAD
13522 - 13771	10	0	482	99.2	0.0	17.5	0.0	0.0	0.0	17.5	0.0	210.5	0.0	-- no name --
13771 - 13770	10	0	282	99.4	0.0	10.2	0.0	0.0	0.0	10.2	0.0	220.7	0.0	-- no name --
13770 - 13575	10	2	22	99.2	0.0	0.8	0.0	7.0	0.0	7.8	0.0	228.5	0.0	-- no name --
13575 - 9727	10	0	3975	99.2	0.0	144.3	0.0	0.0	0.0	144.3	0.0	372.8	0.0	SH 1
9727 - 9638	10	0	5402	99.3	0.0	195.8	0.0	0.0	0.0	195.8	0.0	568.6	0.0	SH 1
9638 - 9639	10	0	404	99.3	0.0	14.6	0.0	0.0	0.0	14.6	0.0	583.3	0.0	SH 1
9639 - 9608	10	0	1019	99.3	0.0	36.9	0.0	2.0	0.0	38.9	0.0	622.2	0.0	SH 1
9608 - 9610	10	0	2251	98.6	0.0	82.2	0.0	0.0	0.0	82.2	0.0	704.4	0.0	SH 1
9610 - 9611	10	0	1114	98.7	0.0	40.6	0.0	0.0	0.0	40.6	0.0	745.0	0.0	SH 1
9611 - 9503	10	0	116	98.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	749.3	0.0	SH 1
9503 - 9502	10	0	586	98.7	0.0	21.4	0.0	0.0	0.0	21.4	0.0	770.6	0.0	SH 1
9502 - 9614	10	0	2650	99.3	0.0	96.1	0.0	0.0	0.0	96.1	0.0	866.7	0.0	SH 1
9614 - 9617	10	0	829	99.3	0.0	30.1	0.0	0.0	0.0	30.1	0.0	896.8	0.0	SH 1
9617 - 9616	10	0	488	98.6	0.0	17.8	0.0	0.0	0.0	17.8	0.0	914.6	0.0	SH 1
9616 - 9620	10	0	417	98.6	0.0	15.2	0.0	0.0	0.0	15.2	0.0	929.8	0.0	SH 1
9620 - 9619	10	0	326	98.8	0.0	11.9	0.0	0.0	0.0	11.9	0.0	941.7	0.0	SH 1
9619 - 9684	10	0	693	98.8	0.0	25.3	0.0	0.0	0.0	25.3	0.0	966.9	0.0	SH 1
9684 - 9691	10	0	96	99.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	970.4	0.0	SH 1
9691 - 9689	10	0	6035	99.4	0.0	218.6	0.0	0.0	0.0	218.6	0.0	1189.0	0.0	SH 1
9689 - 9688	10	0	753	99.4	0.0	27.3	0.0	0.0	0.0	27.3	0.0	1216.3	0.0	SH 1
9688 - 9627	10	0	2664	99.4	0.0	96.5	0.0	0.0	0.0	96.5	0.0	1312.7	0.0	-- no name --
9627 - 9645	8	0	1587	78.2	0.0	73.1	0.0	0.0	0.0	73.1	0.0	1385.8	0.0	SH 1
9645 - 9634	8	0	1176	78.2	0.0	54.1	0.0	0.0	0.0	54.1	0.0	1439.9	0.0	-- no name --
9634 - 9635	8	0	914	77.7	0.0	42.3	0.0	0.0	0.0	42.3	0.0	1482.3	0.0	-- no name --
9635 - 9733	8	0	691	77.7	0.0	32.0	0.0	10.0	0.0	42.0	0.0	1524.3	0.0	-- no name --
9733 - 9761	8	0	285	77.5	0.0	13.2	0.0	0.0	0.0	13.2	0.0	1537.5	0.0	-- no name --
9761 - 9744	8	0	12	77.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1538.1	0.0	-- no name --
9744 - 9762	8	0	13	77.6	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1538.7	0.0	-- no name --
9762 - 9631	8	0	148	77.6	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1545.6	0.0	-- no name --
9631 - 9752	8	0	202	77.6	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1554.9	0.0	-- no name --
9752 - 9742	8	0	21	77.6	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1555.9	0.0	-- no name --
9742 - 9753	8	0	16	77.5	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1556.7	0.0	-- no name --
9753 - 9743	8	0	383	77.5	0.0	17.8	0.0	0.0	0.0	17.8	0.0	1574.5	0.0	-- no name --
9743 - 9772	8	0	336	77.4	0.0	15.6	0.0	0.0	0.0	15.6	0.0	1590.1	0.0	-- no name --
9772 - 9943	8	6	26	77.4	0.0	1.2	0.0	7.0	0.0	8.2	0.0	1598.3	0.0	-- no name --
9943 - 9771	8	0	21	77.1	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1599.3	0.0	-- no name --
9771 - 9917	8	0	2559	77.1	0.0	119.5	0.0	0.0	0.0	119.5	0.0	1718.8	0.0	-- no name --
9917 - 9789	8	0	3303	77.1	0.0	154.2	0.0	0.0	0.0	154.2	0.0	1873.0	0.0	SH 1
9789 - 10323	7	0	374	67.1	0.0	20.1	0.0	0.0	0.0	20.1	0.0	1893.0	0.0	SH 1
10323 - 5524	7	0	25	67.9	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1894.4	0.0	SH 1
5524 - 5594	7	0	404	67.3	0.0	21.6	0.0	0.0	0.0	21.6	0.0	1916.0	0.0	SH 1
5594 - 10324	7	0	125	67.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1922.7	0.0	SH 1
10324 - 5523	7	0	119	67.1	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1929.1	0.0	SH 1
5523 - 5522	7	0	161	67.1	0.0	8.6	0.0	0.0	0.0	8.6	0.0	1937.7	0.0	SH 1
5522 - 4799	7	0	651	67.1	0.0	34.9	0.0	0.0	0.0	34.9	0.0	1972.6	0.0	SH 1
4799 - 4800	9	0	1097	87.6	0.0	45.1	0.0	0.0	0.0	45.1	0.0	2017.7	0.0	SH 1
4800 - 2688	9	0	225	87.7	0.0	9.2	0.0	0.0	0.0	9.2	0.0	2027.0	0.0	SH 1
2688 - 5712	9	0	192	87.7	0.0	7.9	0.0	0.0	0.0	7.9	0.0	2034.8	0.0	
5712 - 2811	9	0	1301	87.7	0.0	53.4	0.0	0.0	0.0	53.4	0.0	2088.2	0.0	SH 1
2811 - 2849	9	0	864	87.7	0.0	35.5	0.0	1.0	0.0	36.5	0.0	2124.7	0.0	SH 1
2849 - 2818	9	0	430	87.7	0.0	17.7	0.0	0.0	0.0	17.7	0.0	2142.4	0.0	SH 1
2818 - 10229	9	0	547	87.8	0.0	22.4	0.0	0.0	0.0	22.4	0.0	2164.8	0.0	SH 1
10229 - 5521	6	0	139	57.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	2173.5	0.0	SH 1
5521 - 4183	6	0	150	57.2	0.0	9.4	0.0	0.0	0.0	9.4	0.0	2183.0	0.0	SH 1
4183 - 4184	6	0	164	57.0	0.0	10.4	0.0	0.0	0.0	10.4	0.0	2193.3	0.0	SH 1
4184 - 5497	6	0	15	56.8	0.0	1.0	0.0	1.0	0.0	2.0	0.0	2195.3	0.0	
5497 - 5765	6	0	321	56.5	0.0	20.5	0.0	0.0	0.0	20.5	0.0	2215.7	0.0	
5765 - 5810	6	0	66	56.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2219.9	0.0	SH 1
5810 - 5731	6	0	92	55.5	0.0	6.0	0.0	0.0	0.0	6.0	0.0	2225.9	0.0	SH 1
5731 - 5684	15	0	146	51.2	0.0	10.3	0.0	0.0	0.0	10.3	0.0	2236.2	0.0	SH 1
5684 - 5764	15	0	170	50.7	0.0	12.1	0.0	0.0	0.0	12.1	0.0	2248.3	0.0	SH 1
5764 - 5729	15	0	172	50.7	0.0	12.2	0.0	0.0	0.0	12.2	0.0	2260.5	0.0	SH 1
5729 - 5824	15	0	305	50.7	0.0	21.7	0.0	0.0	0.0	21.7	0.0	2282.1	0.0	SH 1
5824 - 4603	15	0	99	50.7	0.0	7.0	0.0	0.0	0.0	7.0	0.0	2289.2	0.0	
4603 - 10230	15	0	88	50.6	0.0	6.3	0.0	0.0	0.0	6.3	0.0	2295.4	0.0	SH 1
10230 - 5520	7	0	153	66.4	0.0	8.3	0.0	0.0	0.0	8.3	0.0	2303.7	0.0	SH 1
5520 - 2809	7	0	439	66.3	0.0	23.8	0.0	0.0	0.0	23.8	0.0	2327.5	0.0	SH 1
2809 - 5519	7	0	359	66.1	0.0	19.6	0.0	0.0	0.0	19.6	0.0	2347.1	0.0	SH 1
5519 - 5577	7	0	28	65.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	2348.6	0.0	
5577 - 3780	7	0	182	65.6	0.0	10.0	0.0	0.0	0.0	10.0	0.0	2358.6	0.0	SH 1
3780 - 3779	7	0	134	65.5	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2366.0	0.0	SH 1
3779 - 4796	10	0	715	97.1	0.0	26.5	0.0	0.0	0.0	26.5	0.0	2392.5	0.0	SH 1
4796 - 10585	9	0	61	86.0	0.0	2.6	0.0	0.0	0.0	2.6	0.0	2395.0	0.0	SH 1
10585 - 2696	10	0	949	97.1	0.0	35.2	0.0	0.0	0.0	35.2	0.0	2430.2	0.0	SH 1
2696 - 10335	10	0	10	97.1	0.0	0.4	0.0	0.0	0.0	0.4	0.0	2430.6	0.0	SH 1
10335 - 4602	10	0	536	97.1	0.0	19.9	0.0	0.0	0.0	19.9	0.0	2450.5	0.0	SH 1

4602	-	2831	10	0	482	97.2	0.0	17.9	0.0	0.0	0.0	17.9	0.0	2468.3	0.0	SH 1
2831	-	2837	10	0	83	97.2	0.0	3.1	0.0	0.0	0.0	3.1	0.0	2471.4	0.0	SH 1
2837	-	2833	10	0	196	97.2	0.0	7.3	0.0	0.0	0.0	7.3	0.0	2478.7	0.0	SH 1
2833	-	2827	10	0	384	97.2	0.0	14.2	0.0	0.0	0.0	14.2	0.0	2492.9	0.0	SH 1
2827	-	5565	10	0	315	97.0	0.0	11.7	0.0	0.0	0.0	11.7	0.0	2504.6	0.0	SH 1
5565	-	2544	10	0	186	96.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	2511.5	0.0	SH 1
2544	-	2679	10	0	144	96.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	2516.8	0.0	SH 1
2679	-	10680	10	0	567	96.7	0.0	21.1	0.0	0.0	0.0	21.1	0.0	2537.9	0.0	SH 1
10680	-	2680	10	0	739	96.7	0.0	27.5	0.0	0.0	0.0	27.5	0.0	2565.5	0.0	SH 1
2680	-	2678	10	0	89	96.7	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2568.8	0.0	SH 1
2678	-	2545	10	0	350	96.7	0.0	13.0	0.0	0.0	0.0	13.0	0.0	2581.8	0.0	SH 1
2545	-	2806	10	0	345	96.7	0.0	12.8	0.0	0.0	0.0	12.8	0.0	2594.6	0.0	SH 1
2806	-	2803	10	0	276	96.7	0.0	10.3	0.0	0.0	0.0	10.3	0.0	2604.9	0.0	SH 1
2803	-	10419	10	0	37	96.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	2606.3	0.0	
10419	-	2802	10	0	199	96.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2613.7	0.0	
2802	-	3797	10	0	139	96.7	0.0	5.2	0.0	0.0	0.0	5.2	0.0	2618.9	0.0	SH 1
3797	-	3296	9	0	475	86.0	0.0	19.9	0.0	0.0	0.0	19.9	0.0	2638.8	0.0	GREAT SOUTH ROAD
3296	-	3798	9	0	747	86.2	0.0	31.2	0.0	0.0	0.0	31.2	0.0	2670.0	0.0	GREAT SOUTH ROAD
3798	-	6799	9	0	101	86.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2674.2	0.0	TE RAPA ROAD
6799	-	3508	9	0	1043	86.1	0.0	43.6	0.0	0.0	0.0	43.6	0.0	2717.8	0.0	TE RAPA ROAD
3508	-	3504	8	3	114	77.8	0.0	5.3	0.0	14.0	0.0	19.3	0.0	2737.1	0.0	TE RAPA ROAD
3504	-	3511	15	0	118	52.5	0.0	8.1	0.0	3.0	0.0	11.1	0.0	2748.2	0.0	GREAT SOUTH ROAD
3511	-	3513	15	0	344	48.8	0.0	25.4	0.0	0.0	0.0	25.4	0.0	2773.5	0.0	GREAT SOUTH ROAD
3513	-	3501	15	3	68	52.5	0.0	4.7	0.0	9.0	0.0	13.7	0.0	2787.2	0.0	GREAT SOUTH ROAD
3501	-	3514	15	0	180	52.5	0.0	12.3	0.0	0.0	0.0	12.3	0.0	2799.5	0.0	GREAT SOUTH ROAD
3514	-	3488	15	0	163	52.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	2810.7	0.0	GREAT SOUTH ROAD
3488	-	3480	15	3	176	52.5	0.0	12.1	0.0	16.1	0.0	28.2	0.0	2838.9	0.0	GREAT SOUTH ROAD

Modelled Totals	67686	85.8		2768.8		70.1		2838.9	
Observed Totals			0.0		2895.0		8.3		2903.3

Observed Journey Time =	2903.29	Implied Average Speed =	83.9
Modelled Journey Time =	2838.88	Modelled Average Speed =	85.8
	97.78%		102.27%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  5 Movement Analysis - times in seconds

R2cNB SH1
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6429 - 4356	5 0	95	46.1	0.0	7.4	0.0	0.0	0.0	7.4	0.0	7.4	0.0	SH 1
4356 - 5394	5 0	85	46.3	0.0	6.6	0.0	1.0	0.0	7.6	0.0	15.0	0.0	SH 1
5394 - 5393	5 0	221	46.2	0.0	17.2	0.0	1.0	0.0	18.2	0.0	33.2	0.0	SH 1
5393 - 10296	5 0	109	46.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	41.8	0.0	SH 1
10296 - 5397	5 0	118	46.1	0.0	9.2	0.0	0.0	0.0	9.2	0.0	51.0	0.0	SH 1
5397 - 6087	6 0	102	56.2	0.0	6.5	0.0	0.0	0.0	6.5	0.0	57.5	0.0	SH 1
6087 - 5911	6 0	125	56.2	0.0	8.0	0.0	2.0	0.0	10.0	0.0	67.5	0.0	SH 1
5911 - 4551	7 0	370	66.9	0.0	19.9	0.0	0.0	0.0	19.9	0.0	87.4	0.0	SH 1
4551 - 4825	19 0	737	92.2	0.0	28.8	0.0	0.0	0.0	28.8	0.0	116.2	0.0	SH 1
4825 - 4536	19 0	474	92.3	0.0	18.5	0.0	0.0	0.0	18.5	0.0	134.7	0.0	SH 1
4536 - 6402	19 0	393	92.3	0.0	15.3	0.0	0.0	0.0	15.3	0.0	150.0	0.0	SH 1
6402 - 2637	19 0	139	92.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	155.4	0.0	SH 1
2637 - 2638	19 0	85	92.3	0.0	3.3	0.0	0.0	0.0	3.3	0.0	158.8	0.0	SH 1
2638 - 10318	19 0	246	93.7	0.0	9.5	0.0	0.0	0.0	9.5	0.0	168.2	0.0	SH 1
10318 - 4128	10 0	811	99.0	0.0	29.5	0.0	0.0	0.0	29.5	0.0	197.7	0.0	SH 1
4128 - 6117	10 0	1445	98.1	0.0	53.0	0.0	2.0	0.0	55.0	0.0	252.7	0.0	SH 1
6117 - 6116	10 0	774	98.1	0.0	28.4	0.0	0.0	0.0	28.4	0.0	281.1	0.0	CAMBRIDGE ROAD
6116 - 6118	10 0	1205	98.2	0.0	44.2	0.0	0.0	0.0	44.2	0.0	325.3	0.0	CAMBRIDGE ROAD
6118 - 6119	10 0	255	98.0	0.0	9.4	0.0	0.0	0.0	9.4	0.0	334.7	0.0	CAMBRIDGE ROAD
6119 - 5849	10 0	1419	98.0	0.0	52.1	0.0	0.0	0.0	52.1	0.0	386.8	0.0	CAMBRIDGE ROAD
5849 - 5690	10 0	736	98.0	0.0	27.0	0.0	0.0	0.0	27.0	0.0	413.8	0.0	CAMBRIDGE ROAD
5690 - 5805	10 0	210	97.6	0.0	7.7	0.0	0.0	0.0	7.7	0.0	421.6	0.0	CAMBRIDGE ROAD
5805 - 5623	10 0	326	98.7	0.0	11.9	0.0	0.0	0.0	11.9	0.0	433.5	0.0	CAMBRIDGE ROAD
5623 - 2861	10 0	1692	98.7	0.0	61.7	0.0	0.0	0.0	61.7	0.0	495.2	0.0	CAMBRIDGE ROAD
2861 - 4154	10 0	933	98.8	0.0	34.0	0.0	0.0	0.0	34.0	0.0	529.2	0.0	CAMBRIDGE ROAD
4154 - 4155	10 0	353	98.6	0.0	12.9	0.0	0.0	0.0	12.9	0.0	542.1	0.0	CAMBRIDGE ROAD
4155 - 2786	10 0	156	98.6	0.0	5.7	0.0	3.0	0.0	8.7	0.0	550.8	0.0	CAMBRIDGE ROAD
2786 - 3907	10 0	747	97.3	0.0	27.6	0.0	0.0	0.0	27.6	0.0	578.4	0.0	CAMBRIDGE ROAD
3907 - 3424	10 0	1026	97.2	0.0	38.0	0.0	0.0	0.0	38.0	0.0	616.4	0.0	CAMBRIDGE ROAD
3424 - 4926	9 0	557	85.9	0.0	23.3	0.0	0.0	0.0	23.3	0.0	639.7	0.0	SH 1
4926 - 3428	9 0	331	85.1	0.0	14.0	0.0	0.0	0.0	14.0	0.0	653.7	0.0	CAMBRIDGE ROAD
3428 - 3429	7 0	11	67.1	0.0	0.6	0.0	0.0	0.0	0.6	0.0	654.3	0.0	
3429 - 3586	7 0	102	67.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	659.8	0.0	CAMBRIDGE ROAD
3586 - 3587	7 0	80	67.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	664.1	0.0	CAMBRIDGE ROAD
3587 - 4157	6 0	145	56.5	0.0	9.2	0.0	0.0	0.0	9.2	0.0	673.3	0.0	CAMBRIDGE ROAD
4157 - 10700	6 0	84	56.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	678.7	0.0	CAMBRIDGE ROAD
10700 - 3072	6 0	153	56.3	0.0	9.8	0.0	0.2	0.0	10.0	0.0	688.7	0.0	CAMBRIDGE ROAD
Modelled Totals	16850	88.1		679.5		9.2		688.7					
Observed Totals			0.0		724.8		10.2		735.0				

```
Observed Journey Time =   734.95     Implied Average Speed =  82.5
Modelled Journey Time =   688.68    Modelled Average Speed =  88.1
                          93.70%                            106.72%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  6 Movement Analysis - times in seconds

R2cSB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3072 - 3076	6	3	124	56.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	7.9	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	57.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	15.6	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	57.9	0.0	9.5	0.0	3.0	0.0	12.5	0.0	28.1	0.0	CAMBRIDGE ROAD
10700 - 4157	6	0	84	56.0	0.0	5.4	0.0	0.0	0.0	5.4	0.0	33.5	0.0	CAMBRIDGE ROAD
4157 - 3587	6	0	145	56.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	42.9	0.0	CAMBRIDGE ROAD
3587 - 3586	7	0	80	66.8	0.0	4.3	0.0	0.0	0.0	4.3	0.0	47.2	0.0	CAMBRIDGE ROAD
3586 - 3429	7	0	102	66.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	52.7	0.0	CAMBRIDGE ROAD
3429 - 3428	7	0	11	66.9	0.0	0.6	0.0	0.0	0.0	0.6	0.0	53.3	0.0	
3428 - 4926	9	0	331	87.1	0.0	13.7	0.0	0.0	0.0	13.7	0.0	66.9	0.0	CAMBRIDGE ROAD
4926 - 3424	9	0	557	87.5	0.0	22.9	0.0	0.0	0.0	22.9	0.0	89.8	0.0	SH 1
3424 - 3907	10	0	1026	98.4	0.0	37.5	0.0	0.0	0.0	37.5	0.0	127.4	0.0	CAMBRIDGE ROAD
3907 - 2786	10	0	747	98.4	0.0	27.3	0.0	0.0	0.0	27.3	0.0	154.7	0.0	CAMBRIDGE ROAD
2786 - 4155	10	0	156	99.2	0.0	5.7	0.0	0.0	0.0	5.7	0.0	160.4	0.0	CAMBRIDGE ROAD
4155 - 4154	10	0	353	99.2	0.0	12.8	0.0	0.0	0.0	12.8	0.0	173.2	0.0	CAMBRIDGE ROAD
4154 - 2861	10	0	933	99.3	0.0	33.8	0.0	0.0	0.0	33.8	0.0	207.0	0.0	CAMBRIDGE ROAD
2861 - 5623	10	0	1692	99.2	0.0	61.4	0.0	0.0	0.0	61.4	0.0	268.4	0.0	CAMBRIDGE ROAD
5623 - 5805	10	0	326	99.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	280.2	0.0	CAMBRIDGE ROAD
5805 - 5690	10	0	210	98.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	287.9	0.0	CAMBRIDGE ROAD
5690 - 5849	10	0	736	98.6	0.0	26.9	0.0	0.0	0.0	26.9	0.0	314.8	0.0	CAMBRIDGE ROAD
5849 - 6119	10	0	1419	98.6	0.0	51.8	0.0	0.0	0.0	51.8	0.0	366.6	0.0	CAMBRIDGE ROAD
6119 - 6118	10	0	255	98.6	0.0	9.3	0.0	0.0	0.0	9.3	0.0	375.9	0.0	CAMBRIDGE ROAD
6118 - 6116	10	0	1205	98.8	0.0	43.9	0.0	0.0	0.0	43.9	0.0	419.8	0.0	CAMBRIDGE ROAD
6116 - 6117	10	0	774	98.8	0.0	28.2	0.0	1.0	0.0	29.2	0.0	449.0	0.0	CAMBRIDGE ROAD
6117 - 4128	10	0	1445	99.4	0.0	52.3	0.0	0.0	0.0	52.3	0.0	501.4	0.0	SH 1
4128 - 10318	10	0	811	98.7	0.0	29.6	0.0	0.0	0.0	29.6	0.0	530.9	0.0	SH 1
10318 - 2638	19	0	246	93.3	0.0	9.5	0.0	0.0	0.0	9.5	0.0	540.4	0.0	SH 1
2638 - 2637	19	0	85	93.3	0.0	3.3	0.0	0.0	0.0	3.3	0.0	543.7	0.0	SH 1
2637 - 6402	19	0	139	93.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	549.1	0.0	SH 1
6402 - 4536	19	0	393	93.3	0.0	15.2	0.0	0.0	0.0	15.2	0.0	564.2	0.0	SH 1
4536 - 4825	19	0	474	93.2	0.0	18.3	0.0	0.0	0.0	18.3	0.0	582.5	0.0	SH 1
4825 - 4551	19	0	737	93.1	0.0	28.5	0.0	0.0	0.0	28.5	0.0	611.0	0.0	SH 1
4551 - 5911	7	0	370	67.7	0.0	19.7	0.0	1.0	0.0	20.7	0.0	631.7	0.0	SH 1
5911 - 6087	6	0	125	57.3	0.0	7.9	0.0	0.0	0.0	7.9	0.0	639.6	0.0	SH 1
6087 - 5397	6	0	102	57.3	0.0	6.4	0.0	1.0	0.0	7.4	0.0	647.0	0.0	SH 1
5397 - 10296	5	0	118	47.0	0.0	9.0	0.0	0.0	0.0	9.0	0.0	656.0	0.0	SH 1
10296 - 5393	5	0	109	47.0	0.0	8.3	0.0	1.0	0.0	9.3	0.0	665.4	0.0	SH 1
5393 - 5394	5	0	221	47.1	0.0	16.9	0.0	1.5	0.0	18.4	0.0	683.8	0.0	SH 1
Modelled Totals			16918	89.1		675.3		8.5		683.8				
Observed Totals					0.0		728.0		0.6		728.6			

```
Observed Journey Time =   728.60     Implied Average Speed =  83.6
Modelled Journey Time =   683.76    Modelled Average Speed =  89.1
                          93.85%                            106.56%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  7 Movement Analysis - times in seconds

R2dNB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 9681	6	0	991	58.1	0.0	61.4	0.0	0.0	0.0	61.4	0.0	61.4	0.0	MAIN ROAD
9681 - 10200	5	0	235	47.8	0.0	17.7	0.0	0.0	0.0	17.7	0.0	79.1	0.0	MAIN ROAD
10200 - 10149	5	0	164	47.7	0.0	12.4	0.0	0.0	0.0	12.4	0.0	91.5	0.0	MAIN ROAD
10149 - 10195	5	0	256	47.7	0.0	19.3	0.0	0.0	0.0	19.3	0.0	110.8	0.0	MAIN ROAD
10195 - 10151	5	0	27	47.7	0.0	2.0	0.0	0.0	0.0	2.0	0.0	112.8	0.0	MAIN ROAD
10151 - 10197	15	0	21	52.9	0.0	1.4	0.0	0.0	0.0	1.4	0.0	114.3	0.0	MAIN ROAD
10197 - 9726	15	0	307	53.5	0.0	20.7	0.0	0.0	0.0	20.7	0.0	134.9	0.0	MAIN ROAD
9726 - 10203	10	0	4383	99.4	0.0	158.7	0.0	0.0	0.0	158.7	0.0	293.7	0.0	SH 1
10203 - 9884	10	0	4991	99.4	0.0	180.8	0.0	0.0	0.0	180.8	0.0	474.4	0.0	SH 1
9884 - 8495	10	0	963	99.3	0.0	34.9	0.0	0.0	0.0	34.9	0.0	509.3	0.0	SH 1
8495 - 9839	10	0	21	98.9	0.0	0.8	0.0	0.0	0.0	0.8	0.0	510.1	0.0	SH 1
9839 - 8496	10	0	28	98.8	0.0	1.0	0.0	0.0	0.0	1.0	0.0	511.1	0.0	TIRAU ROAD
8496 - 9838	10	0	1596	98.9	0.0	58.1	0.0	0.0	0.0	58.1	0.0	569.2	0.0	TIRAU ROAD
9838 - 10712	19	0	4338	93.4	0.0	167.2	0.0	0.0	0.0	167.2	0.0	736.4	0.0	TIRAU ROAD
10712 - 9526	19	0	6071	93.4	0.0	234.0	0.0	0.0	0.0	234.0	0.0	970.4	0.0	TIRAU ROAD
9526 - 8186	10	0	61	98.5	0.0	2.2	0.0	0.0	0.0	2.2	0.0	972.7	0.0	TIRAU ROAD
8186 - 10788	19	0	223	93.0	0.0	8.6	0.0	0.0	0.0	8.6	0.0	981.3	0.0	TIRAU ROAD
10788 - 6597	19	0	1129	93.0	0.0	43.7	0.0	0.0	0.0	43.7	0.0	1025.0	0.0	TIRAU ROAD
6597 - 2604	19	0	918	93.0	0.0	35.5	0.0	0.0	0.0	35.5	0.0	1060.5	0.0	TIRAU ROAD
2604 - 2602	19	0	255	93.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0	1070.4	0.0	SH 1
2602 - 4808	19	0	4133	93.0	0.0	160.0	0.0	0.0	0.0	160.0	0.0	1230.4	0.0	SH 1
4808 - 10272	8	0	508	77.4	0.0	23.6	0.0	0.0	0.0	23.6	0.0	1254.0	0.0	Tirau Road
10272 - 4807	17	0	35	73.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1255.7	0.0	Tirau Road
4807 - 8446	17	0	35	73.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1257.5	0.0	Tirau Road
8446 - 5411	6	0	208	55.8	0.0	13.4	0.0	0.0	0.0	13.4	0.0	1270.9	0.0	Tirau Road
5411 - 5890	5	0	86	45.3	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1277.7	0.0	Tirau Road
5890 - 6475	5	0	36	44.4	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1280.6	0.0	Tirau Road
6475 - 6444	5	0	193	45.9	0.0	15.1	0.0	0.0	0.0	15.1	0.0	1295.8	0.0	ALBERT STREET
6444 - 6167	5	0	10	46.5	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1296.5	0.0	
6167 - 10294	5	0	99	46.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1304.2	0.0	SH 1
10294 - 6168	5	0	83	46.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1310.6	0.0	SH 1
6168 - 6162	5	0	355	47.3	0.0	27.0	0.0	0.0	0.0	27.0	0.0	1337.7	0.0	SH 1
6162 - 6551	5	0	19	47.3	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1339.1	0.0	
6551 - 6512	5	0	72	47.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1344.6	0.0	SH 1
6512 - 2727	4	0	120	37.8	0.0	11.4	0.0	1.0	0.0	12.4	0.0	1357.0	0.0	SH 1
2727 - 6531	4	3	84	38.0	0.0	8.0	0.0	14.0	0.0	22.0	0.0	1379.0	0.0	SH 1
6531 - 6544	5	0	186	45.0	0.0	14.9	0.0	0.0	0.0	14.9	0.0	1393.8	0.0	SH 1
Modelled Totals			33240	85.9		1378.8		15.0		1393.8				
Observed Totals					0.0		1476.8		6.2		1483.0			

```
Observed Journey Time =  1483.00     Implied Average Speed =  80.7
Modelled Journey Time =  1393.85    Modelled Average Speed =  85.9
                         93.99%                             106.40%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  8 Movement Analysis - times in seconds

R2dSB SH1
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6544 - 6429	5 0	93	45.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	7.4	0.0	SH 1
6429 - 6544	5 0	93	45.3	0.0	7.4	0.0	0.0	0.0	7.4	0.0	14.8	0.0	SH 1
6544 - 6531	5 3	186	45.3	0.0	14.8	0.0	4.0	0.0	18.8	0.0	33.6	0.0	SH 1
6531 - 2727	4 0	84	38.3	0.0	7.9	0.0	1.0	0.0	8.9	0.0	42.5	0.0	SH 1
2727 - 6512	4 0	120	38.3	0.0	11.3	0.0	0.0	0.0	11.3	0.0	53.8	0.0	SH 1
6512 - 6551	5 0	72	48.0	0.0	5.4	0.0	0.0	0.0	5.4	0.0	59.2	0.0	SH 1
6551 - 6162	5 0	19	48.0	0.0	1.4	0.0	0.0	0.0	1.4	0.0	60.6	0.0	
6162 - 6168	5 0	355	48.0	0.0	26.6	0.0	0.0	0.0	26.6	0.0	87.2	0.0	SH 1
6168 - 10294	5 0	83	47.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	93.6	0.0	SH 1
10294 - 6167	5 0	99	47.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	101.1	0.0	SH 1
6167 - 6444	5 0	10	47.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	101.9	0.0	
6444 - 6475	5 0	193	47.2	0.0	14.7	0.0	0.0	0.0	14.7	0.0	116.6	0.0	ALBERT STREET
6475 - 5890	5 0	36	46.9	0.0	2.8	0.0	0.0	0.0	2.8	0.0	119.4	0.0	Tirau Road
5890 - 5411	5 0	86	47.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	126.0	0.0	Tirau Road
5411 - 8446	6 0	208	57.5	0.0	13.0	0.0	0.0	0.0	13.0	0.0	139.0	0.0	Tirau Road
8446 - 4807	17 0	35	73.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	140.7	0.0	Tirau Road
4807 - 10272	17 0	35	72.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	142.4	0.0	Tirau Road
10272 - 4808	8 0	508	77.6	0.0	23.6	0.0	0.0	0.0	23.6	0.0	166.0	0.0	Tirau Road
4808 - 2602	19 0	4133	93.1	0.0	159.8	0.0	0.0	0.0	159.8	0.0	325.8	0.0	SH 1
2602 - 2604	19 0	255	93.1	0.0	9.9	0.0	0.0	0.0	9.9	0.0	335.7	0.0	SH 1
2604 - 6597	19 0	918	93.1	0.0	35.5	0.0	0.0	0.0	35.5	0.0	371.2	0.0	TIRAU ROAD
6597 - 10788	19 0	1129	93.1	0.0	43.7	0.0	0.0	0.0	43.7	0.0	414.8	0.0	TIRAU ROAD
10788 - 8186	19 0	223	93.1	0.0	8.6	0.0	0.0	0.0	8.6	0.0	423.5	0.0	TIRAU ROAD
8186 - 9526	10 0	61	98.6	0.0	2.2	0.0	0.0	0.0	2.2	0.0	425.7	0.0	TIRAU ROAD
9526 - 10712	19 0	6071	93.3	0.0	234.3	0.0	0.0	0.0	234.3	0.0	659.9	0.0	TIRAU ROAD
10712 - 9838	19 0	4338	93.3	0.0	167.4	0.0	0.0	0.0	167.4	0.0	827.3	0.0	TIRAU ROAD
9838 - 8496	10 0	1596	98.7	0.0	58.2	0.0	0.0	0.0	58.2	0.0	885.5	0.0	TIRAU ROAD
8496 - 9839	10 0	28	98.8	0.0	1.0	0.0	2.0	0.0	3.0	0.0	888.5	0.0	TIRAU ROAD
9839 - 8495	10 0	21	99.2	0.0	0.8	0.0	0.0	0.0	0.8	0.0	889.3	0.0	SH 1
8495 - 9884	10 0	963	99.2	0.0	34.9	0.0	0.0	0.0	34.9	0.0	924.3	0.0	SH 1
9884 - 10203	10 0	4991	99.3	0.0	180.9	0.0	0.0	0.0	180.9	0.0	1105.2	0.0	SH 1
10203 - 9726	10 0	4383	99.2	0.0	159.1	0.0	0.0	0.0	159.1	0.0	1264.3	0.0	SH 1
9726 - 10197	15 0	307	53.4	0.0	20.7	0.0	0.0	0.0	20.7	0.0	1285.0	0.0	MAIN ROAD
10197 - 10151	15 0	21	53.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1286.4	0.0	MAIN ROAD
10151 - 10195	5 0	27	47.5	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1288.4	0.0	MAIN ROAD
10195 - 10149	5 0	256	47.4	0.0	19.4	0.0	0.0	0.0	19.4	0.0	1307.9	0.0	MAIN ROAD
10149 - 10200	5 0	164	47.4	0.0	12.5	0.0	0.0	0.0	12.5	0.0	1320.3	0.0	MAIN ROAD
10200 - 9681	5 0	235	47.5	0.0	17.8	0.0	0.0	0.0	17.8	0.0	1338.1	0.0	MAIN ROAD
Modelled Totals		32435	87.3		1331.1		7.0		1338.1				
Observed Totals				0.0		1460.1		4.7		1464.8			

```
Observed Journey Time =  1464.81     Implied Average Speed =  79.7
Modelled Journey Time =  1338.12    Modelled Average Speed =  87.3
                         91.35%                            109.47%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  9 Movement Analysis - times in seconds

R3aNB SH1B

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4667 -  4668    6 0   267  59.3   0.0   16.2    0.0   0.0     0.0   16.2    0.0    16.2     0.0    SH 1B
 4668 -  5504   16 0  2255  64.7   0.0  125.5    0.0   0.0     0.0  125.5    0.0   141.7     0.0    SH 1B
 5504 -  5485   16 0   528  64.6   0.0   29.4    0.0   0.0     0.0   29.4    0.0   171.1     0.0    SH 1B
 5485 -  2822   16 4  1590  64.6   0.0   88.6    0.0   9.0     0.0   97.6    0.0   268.7     0.0    SH 1B
 2822 -  4774   19 0   241  94.6   0.0    9.2    0.0   0.0     0.0    9.2    0.0   277.9     0.0    SH 1B
 4774 -  5264   19 4  4040  94.6   0.0  153.7    0.0  19.0     0.0  172.7    0.0   450.6     0.0    SH 1B
 5264 -  4097   18 0   632  83.4   0.0   27.3    0.0   0.0     0.0   27.3    0.0   477.9     0.0    PUKETAHA ROAD
 4097 -  5670   18 0  1635  84.0   0.0   70.1    0.0   0.0     0.0   70.1    0.0   548.0     0.0    PUKETAHA ROAD
 5670 -  5613   18 0   838  84.0   0.0   35.9    0.0  14.0     0.0   49.9    0.0   597.9     0.0    PUKETAHA ROAD
 5613 -  5614   17 4  1883  74.5   0.0   91.0    0.0  18.0     0.0  109.0    0.0   706.9     0.0    SH 1B
 5614 -  5681   19 0   355  94.0   0.0   13.6    0.0   0.0     0.0   13.6    0.0   720.5     0.0    SH 1B
 5681 -  5692   19 0   854  94.0   0.0   32.7    0.0   0.0     0.0   32.7    0.0   753.2     0.0    SH 1B
 5692 -  5768   19 0   505  93.8   0.0   19.4    0.0   0.0     0.0   19.4    0.0   772.6     0.0    SH 1B
 5768 -  4735   19 0   195  93.8   0.0    7.5    0.0   0.0     0.0    7.5    0.0   780.0     0.0    -- no name --
 4735 -  4646   19 0   222  93.8   0.0    8.5    0.0   0.0     0.0    8.5    0.0   788.6     0.0    SH 1B
 4646 -  4734   19 0   227  93.8   0.0    8.7    0.0   0.0     0.0    8.7    0.0   797.3     0.0    SH 1B
 4734 -  4802   19 0  1671  93.8   0.0   64.1    0.0   0.0     0.0   64.1    0.0   861.4     0.0    SH 1B
 4802 -  4806   19 0   670  94.0   0.0   25.7    0.0   0.0     0.0   25.7    0.0   887.1     0.0    GORDONTON ROAD
 4806 - 10576   19 0   344  94.0   0.0   13.2    0.0   0.0     0.0   13.2    0.0   900.2     0.0    GORDONTON ROAD
10576 -  5769   19 0   661  94.0   0.0   25.3    0.0   0.0     0.0   25.3    0.0   925.6     0.0    GORDONTON ROAD
 5769 -  2698   19 0  1907  94.2   0.0   72.9    0.0   0.0     0.0   72.9    0.0   998.4     0.0    GORDONTON ROAD
 2698 -  2697   19 0   104  94.1   0.0    4.0    0.0   0.0     0.0    4.0    0.0  1002.4     0.0    SH 1B
 2697 - 10577   19 0  1850  94.1   0.0   70.8    0.0   0.0     0.0   70.8    0.0  1073.2     0.0    GORDONTON ROAD
10577 -  2687   19 0   197  94.1   0.0    7.5    0.0   0.0     0.0    7.5    0.0  1080.7     0.0    GORDONTON ROAD
 2687 - 10682   10 0   840  99.3   0.0   30.5    0.0   0.0     0.0   30.5    0.0  1111.2     0.0    GORDONTON ROAD
10682 -  2705   10 0   895  99.3   0.0   32.4    0.0   0.0     0.0   32.4    0.0  1143.6     0.0    GORDONTON ROAD
 2705 - 10578   10 0  1785  99.3   0.0   64.7    0.0   0.0     0.0   64.7    0.0  1208.3     0.0    GORDONTON ROAD
10578 - 10325   19 0  1427  94.1   0.0   54.6    0.0   0.0     0.0   54.6    0.0  1262.9     0.0    SH 1B
10325 -  4845   16 0   102  64.0   0.0    5.7    0.0   0.0     0.0    5.7    0.0  1268.7     0.0    SH 1B
 4845 -  5702   16 0   183  64.0   0.0   10.3    0.0   0.0     0.0   10.3    0.0  1279.0     0.0
 5702 -  5525   16 0   269  63.2   0.0   15.3    0.0   0.0     0.0   15.3    0.0  1294.3     0.0    GORDONTON ROAD

Modelled Totals    29172  81.1       1234.3         60.0         1294.3
Observed Totals                0.0        1220.7         43.3        1264.0

Observed Journey Time =  1263.99     Implied Average Speed =  83.1
Modelled Journey Time =  1294.29    Modelled Average Speed =  81.1
                        102.40%                              97.66%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 10 Movement Analysis - times in seconds

R3aSB SH1B
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10322 - 5525	16	0	125	63.9	0.0	7.0	0.0	0.0	0.0	7.0	0.0	7.0	0.0	SH 1B
5525 - 5702	16	0	269	63.9	0.0	15.2	0.0	0.0	0.0	15.2	0.0	22.2	0.0	GORDONTON ROAD
5702 - 4845	16	0	183	64.2	0.0	10.3	0.0	0.0	0.0	10.3	0.0	32.5	0.0	
4845 - 10325	16	0	102	64.2	0.0	5.7	0.0	0.0	0.0	5.7	0.0	38.2	0.0	SH 1B
10325 - 10578	19	0	1427	94.3	0.0	54.5	0.0	0.0	0.0	54.5	0.0	92.7	0.0	SH 1B
10578 - 2705	10	0	1785	99.4	0.0	64.6	0.0	0.0	0.0	64.6	0.0	157.3	0.0	GORDONTON ROAD
2705 - 10682	10	0	895	99.4	0.0	32.4	0.0	0.0	0.0	32.4	0.0	189.7	0.0	GORDONTON ROAD
10682 - 2687	10	0	840	99.4	0.0	30.4	0.0	0.0	0.0	30.4	0.0	220.1	0.0	GORDONTON ROAD
2687 - 10577	19	0	197	94.4	0.0	7.5	0.0	0.0	0.0	7.5	0.0	227.7	0.0	GORDONTON ROAD
10577 - 2697	19	0	1850	94.4	0.0	70.6	0.0	0.0	0.0	70.6	0.0	298.2	0.0	GORDONTON ROAD
2697 - 2698	19	0	104	94.1	0.0	4.0	0.0	0.0	0.0	4.0	0.0	302.2	0.0	SH 1B
2698 - 5769	19	0	1907	94.3	0.0	72.8	0.0	0.0	0.0	72.8	0.0	375.0	0.0	GORDONTON ROAD
5769 - 10576	19	0	661	94.2	0.0	25.3	0.0	0.0	0.0	25.3	0.0	400.2	0.0	GORDONTON ROAD
10576 - 4806	19	0	344	94.2	0.0	13.1	0.0	0.0	0.0	13.1	0.0	413.4	0.0	GORDONTON ROAD
4806 - 4802	19	0	670	94.2	0.0	25.6	0.0	0.0	0.0	25.6	0.0	439.0	0.0	GORDONTON ROAD
4802 - 4734	19	0	1671	93.6	0.0	64.3	0.0	0.0	0.0	64.3	0.0	503.3	0.0	SH 1B
4734 - 4646	19	0	227	93.6	0.0	8.7	0.0	0.0	0.0	8.7	0.0	512.0	0.0	SH 1B
4646 - 4735	19	0	222	93.6	0.0	8.5	0.0	0.0	0.0	8.5	0.0	520.5	0.0	SH 1B
4735 - 5768	19	0	195	93.6	0.0	7.5	0.0	0.0	0.0	7.5	0.0	528.0	0.0	-- no name --
5768 - 5692	19	0	505	93.6	0.0	19.4	0.0	0.0	0.0	19.4	0.0	547.5	0.0	SH 1B
5692 - 5681	19	0	854	93.7	0.0	32.8	0.0	0.0	0.0	32.8	0.0	580.3	0.0	SH 1B
5681 - 5614	19	0	355	93.6	0.0	13.7	0.0	16.0	0.0	29.7	0.0	609.9	0.0	SH 1B
5614 - 5613	17	4	1883	74.5	0.0	91.0	0.0	13.0	0.0	104.0	0.0	713.9	0.0	SH 1B
5613 - 5670	18	0	838	83.9	0.0	36.0	0.0	0.0	0.0	36.0	0.0	749.9	0.0	PUKETAHA ROAD
5670 - 4097	18	0	1635	83.9	0.0	70.2	0.0	0.0	0.0	70.2	0.0	820.0	0.0	PUKETAHA ROAD
4097 - 5264	18	0	632	83.3	0.0	27.3	0.0	15.0	0.0	42.3	0.0	862.3	0.0	PUKETAHA ROAD
5264 - 4774	19	0	4040	94.7	0.0	153.6	0.0	0.0	0.0	153.6	0.0	1015.9	0.0	SH 1B
4774 - 2822	19	4	241	94.7	0.0	9.2	0.0	9.0	0.0	18.2	0.0	1034.1	0.0	SH 1B
2822 - 5485	16	0	1590	64.8	0.0	88.3	0.0	0.0	0.0	88.3	0.0	1122.4	0.0	SH 1B
5485 - 5504	16	0	528	64.8	0.0	29.3	0.0	0.0	0.0	29.3	0.0	1151.7	0.0	SH 1B
5504 - 4668	16	0	2255	64.7	0.0	125.5	0.0	0.0	0.0	125.5	0.0	1277.2	0.0	SH 1B
Modelled Totals	29030		81.8		1224.2		53.0		1277.2					
Observed Totals				0.0		1205.3		47.7		1253.0				

```
Observed Journey Time =  1252.97     Implied Average Speed =  83.4
Modelled Journey Time =  1277.22    Modelled Average Speed =  81.8
                         101.94%                             98.10%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 11 Movement Analysis - times in seconds

R3bNB SH1B
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6429 - 5917	5 0	93	47.8	0.0	7.0	0.0	0.0	0.0	7.0	0.0	7.0	0.0	SH 1B
5917 - 5918	5 0	145	48.0	0.0	10.9	0.0	0.0	0.0	10.9	0.0	17.9	0.0	SH 1B
5918 - 5919	6 0	101	58.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	24.1	0.0	SH 1B
5919 - 5921	6 0	189	58.2	0.0	11.7	0.0	1.0	0.0	12.7	0.0	36.8	0.0	SH 1B
5921 - 10297	6 0	109	58.5	0.0	6.7	0.0	0.0	0.0	6.7	0.0	43.5	0.0	SH 1B
10297 - 4468	6 0	120	58.5	0.0	7.4	0.0	1.0	0.0	8.4	0.0	51.9	0.0	SH 1B
4468 - 4449	6 0	227	58.6	0.0	13.9	0.0	1.0	0.0	14.9	0.0	66.9	0.0	SH 1B
4449 - 4470	9 0	2239	88.5	0.0	91.1	0.0	11.0	0.0	102.1	0.0	168.9	0.0	VICTORIA ROAD
4470 - 4453	19 0	43	94.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	170.6	0.0	
4453 - 10317	19 0	501	94.2	0.0	19.1	0.0	0.0	0.0	19.1	0.0	189.7	0.0	VICTORIA ROAD
10317 - 4471	19 0	130	94.2	0.0	5.0	0.0	2.0	0.0	7.0	0.0	196.7	0.0	VICTORIA ROAD
4471 - 5483	19 0	1175	94.6	0.0	44.7	0.0	0.0	0.0	44.7	0.0	241.4	0.0	VICTORIA ROAD
5483 - 5484	19 0	984	94.6	0.0	37.4	0.0	0.0	0.0	37.4	0.0	278.9	0.0	VICTORIA ROAD
5484 - 4846	19 0	646	94.4	0.0	24.6	0.0	15.0	0.0	39.6	0.0	318.5	0.0	VICTORIA ROAD
4846 - 4839	9 4	1298	89.4	0.0	52.3	0.0	16.0	0.0	68.3	0.0	386.8	0.0	SH 1B
4839 - 10633	9 0	1812	89.1	0.0	73.2	0.0	0.0	0.0	73.2	0.0	460.0	0.0	SH 1B
10633 - 4804	9 0	1281	88.9	0.0	51.9	0.0	0.0	0.0	51.9	0.0	511.9	0.0	SH 1B
4804 - 5476	9 4	2082	88.9	0.0	84.3	0.0	10.0	0.0	94.3	0.0	606.2	0.0	SH 1B
5476 - 4714	18 0	2187	84.1	0.0	93.6	0.0	0.0	0.0	93.6	0.0	699.8	0.0	SH 1B
4714 - 5749	7 4	498	69.2	0.0	25.9	0.0	10.0	0.0	35.9	0.0	735.7	0.0	SH 1B
5749 - 10703	7 0	498	67.5	0.0	26.6	0.0	0.0	0.0	26.6	0.0	762.2	0.0	SH 26
Modelled Totals		16358	77.3		695.2		67.0		762.2				
Observed Totals				0.0		776.5		39.7		816.2			

```
Observed Journey Time =   816.16     Implied Average Speed =  72.2
Modelled Journey Time =   762.25    Modelled Average Speed =  77.3
                          93.39%                            107.07%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 12 Movement Analysis - times in seconds

R4EB SH29
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8494 - 10204	10 0	2514	99.4	0.0	91.1	0.0	0.0	0.0	91.1	0.0	91.1	0.0	SH 29
10204 - 9854	10 0	3134	99.4	0.0	113.5	0.0	0.0	0.0	113.5	0.0	204.6	0.0	SH 29
9854 - 9873	10 0	3609	99.4	0.0	130.7	0.0	0.0	0.0	130.7	0.0	335.3	0.0	SH 29
9873 - 8476	8 0	10	79.1	0.0	0.5	0.0	2.0	0.0	2.5	0.0	337.7	0.0	SH 29
8476 - 9875	10 0	2496	99.7	0.0	90.1	0.0	0.0	0.0	90.1	0.0	427.8	0.0	SH 29
9875 - 8480	10 0	1640	99.7	0.0	59.2	0.0	0.0	0.0	59.2	0.0	487.1	0.0	SH 29
8480 - 9842	9 0	22	88.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	488.0	0.0	SH 29
9842 - 9885	10 0	2167	99.7	0.0	78.2	0.0	0.0	0.0	78.2	0.0	566.2	0.0	SH 29
9885 - 9544	7 0	4385	69.4	0.0	227.5	0.0	1.0	0.0	228.5	0.0	794.7	0.0	SH 29
9544 - 8486	7 0	235	69.2	0.0	12.2	0.0	0.0	0.0	12.2	0.0	806.9	0.0	SH 29
8486 - 9715	7 0	3396	69.3	0.0	176.4	0.0	0.0	0.0	176.4	0.0	983.3	0.0	SH 29
9715 - 9713	5 4	182	49.2	0.0	13.3	0.0	12.0	0.0	25.3	0.0	1008.6	0.0	SH 29
9713 - 9714	10 0	184	99.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1015.3	0.0	SH 29
9714 - 9872	10 0	1223	99.1	0.0	44.4	0.0	0.0	0.0	44.4	0.0	1059.7	0.0	SH 29
9872 - 8178	19 0	6465	93.6	0.0	248.7	0.0	0.0	0.0	248.7	0.0	1308.4	0.0	SH 29
8178 - 9145	7 0	1003	68.2	0.0	52.9	0.0	0.0	0.0	52.9	0.0	1361.3	0.0	-- no name --
9145 - 3918	19 0	10795	93.4	0.0	416.1	0.0	0.0	0.0	416.1	0.0	1777.4	0.0	SH 29
3918 - 8777	19 0	7526	92.9	0.0	291.6	0.0	0.0	0.0	291.6	0.0	2069.1	0.0	SH 29
8777 - 9455	9 0	1651	87.0	0.0	68.3	0.0	0.0	0.0	68.3	0.0	2137.4	0.0	SH 29
9455 - 9260	9 3	898	86.8	0.0	37.2	0.0	15.0	0.0	52.2	0.0	2189.6	0.0	SH 29
9260 - 3690	7 0	731	67.5	0.0	39.0	0.0	0.0	0.0	39.0	0.0	2228.6	0.0	SH 29
3690 - 9233	7 0	722	67.3	0.0	38.6	0.0	0.0	0.0	38.6	0.0	2267.2	0.0	SH 29
9233 - 9234	5 3	21	46.2	0.0	1.6	0.0	14.0	0.0	15.6	0.0	2282.9	0.0	SH 29
9234 - 9236	5 0	20	45.5	0.0	1.6	0.0	0.0	0.0	1.6	0.0	2284.4	0.0	SH 29
9236 - 3661	8 0	240	76.8	0.0	11.2	0.0	0.0	0.0	11.2	0.0	2295.7	0.0	SH 29
3661 - 3635	8 0	342	77.3	0.0	15.9	0.0	0.0	0.0	15.9	0.0	2311.6	0.0	SH 29
3635 - 9267	8 0	976	77.4	0.0	45.4	0.0	0.0	0.0	45.4	0.0	2357.0	0.0	SH 29
9267 - 9416	5 3	41	46.5	0.0	3.2	0.0	8.0	0.0	11.2	0.0	2368.2	0.0	SH 29
9416 - 9281	5 0	41	45.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	2371.4	0.0	SH 29
9281 - 3640	8 0	485	77.0	0.0	22.7	0.0	0.0	0.0	22.7	0.0	2394.1	0.0	SH 29
3640 - 10813	8 3	541	77.1	0.0	25.3	0.0	15.0	0.0	40.3	0.0	2434.4	0.0	SH 29
10813 - 9407	8 0	1415	77.2	0.0	66.0	0.0	0.0	0.0	66.0	0.0	2500.3	0.0	SH 29
9407 - 9408	8 3	618	76.9	0.0	28.9	0.0	20.0	0.0	48.9	0.0	2549.3	0.0	SH 29
9408 - 9421	15 0	242	49.6	0.0	17.6	0.0	0.0	0.0	17.6	0.0	2566.8	0.0	SH 29
Modelled Totals	59970	84.1		2479.8		87.0		2566.8					
Observed Totals			0.0		2582.0		17.5		2599.5				

```
Observed Journey Time =  2599.52     Implied Average Speed =  83.1
Modelled Journey Time =  2566.83    Modelled Average Speed =  84.1
                         98.74%                              101.27%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 13 Movement Analysis - times in seconds

R4WB SH29
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9395 - 9421	15 0	115	52.3	0.0	7.9	0.0	0.0	0.0	7.9	0.0	7.9	0.0	SH 29
9421 - 9408	15 3	242	52.3	0.0	16.7	0.0	13.0	0.0	29.7	0.0	37.6	0.0	SH 29
9408 - 9407	8 0	618	76.2	0.0	29.2	0.0	0.0	0.0	29.2	0.0	66.8	0.0	SH 29
9407 - 10813	8 3	1415	76.2	0.0	66.9	0.0	15.0	0.0	81.9	0.0	148.6	0.0	SH 29
10813 - 3640	8 0	541	75.4	0.0	25.8	0.0	0.0	0.0	25.8	0.0	174.5	0.0	SH 29
3640 - 9281	8 0	485	75.1	0.0	23.2	0.0	0.0	0.0	23.2	0.0	197.7	0.0	SH 29
9281 - 9416	5 3	41	37.1	0.0	4.0	0.0	5.0	0.0	9.0	0.0	206.7	0.0	SH 29
9416 - 9267	5 0	41	45.3	0.0	3.3	0.0	0.0	0.0	3.3	0.0	209.9	0.0	SH 29
9267 - 3635	8 0	976	76.9	0.0	45.7	0.0	0.0	0.0	45.7	0.0	255.6	0.0	SH 29
3635 - 3661	8 0	342	76.7	0.0	16.1	0.0	0.0	0.0	16.1	0.0	271.7	0.0	SH 29
3661 - 9236	8 0	240	76.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	283.0	0.0	SH 29
9236 - 9234	5 3	20	45.3	0.0	1.6	0.0	9.0	0.0	10.6	0.0	293.5	0.0	SH 29
9234 - 9233	5 0	21	47.1	0.0	1.6	0.0	0.0	0.0	1.6	0.0	295.2	0.0	SH 29
9233 - 3690	7 0	722	67.9	0.0	38.3	0.0	0.0	0.0	38.3	0.0	333.4	0.0	SH 29
3690 - 9260	7 3	731	67.9	0.0	38.8	0.0	15.0	0.0	53.8	0.0	387.2	0.0	SH 29
9260 - 9455	9 0	898	87.9	0.0	36.8	0.0	0.0	0.0	36.8	0.0	424.0	0.0	SH 29
9455 - 8777	9 0	1651	88.2	0.0	67.4	0.0	0.0	0.0	67.4	0.0	491.4	0.0	SH 29
8777 - 3918	19 0	7526	94.0	0.0	288.2	0.0	0.0	0.0	288.2	0.0	779.6	0.0	SH 29
3918 - 9145	19 0	10795	94.2	0.0	412.5	0.0	0.0	0.0	412.5	0.0	1192.1	0.0	SH 29
9145 - 8178	7 0	1003	68.7	0.0	52.6	0.0	0.0	0.0	52.6	0.0	1244.7	0.0	-- no name --
8178 - 9872	19 0	6465	94.1	0.0	247.3	0.0	0.0	0.0	247.3	0.0	1492.0	0.0	SH 29
9872 - 9714	10 0	1223	99.4	0.0	44.3	0.0	0.0	0.0	44.3	0.0	1536.3	0.0	SH 29
9714 - 9715	10 4	288	99.8	0.0	10.4	0.0	4.0	0.0	14.4	0.0	1550.7	0.0	SH 29
9715 - 8486	7 0	3396	69.4	0.0	176.2	0.0	0.0	0.0	176.2	0.0	1726.9	0.0	SH 29
8486 - 9544	7 0	235	69.1	0.0	12.2	0.0	1.0	0.0	13.2	0.0	1740.1	0.0	SH 29
9544 - 9885	7 0	4385	69.4	0.0	227.5	0.0	0.0	0.0	227.5	0.0	1967.6	0.0	SH 29
9885 - 9842	10 0	2167	99.7	0.0	78.2	0.0	0.0	0.0	78.2	0.0	2045.8	0.0	SH 29
9842 - 8480	9 0	22	88.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	2046.7	0.0	SH 29
8480 - 9875	10 0	1640	99.7	0.0	59.2	0.0	0.0	0.0	59.2	0.0	2105.9	0.0	SH 29
9875 - 8476	10 0	2496	99.7	0.0	90.1	0.0	0.0	0.0	90.1	0.0	2196.1	0.0	SH 29
8476 - 9873	8 0	10	79.2	0.0	0.5	0.0	0.0	0.0	0.5	0.0	2196.5	0.0	SH 29
9873 - 9854	10 0	3609	99.5	0.0	130.6	0.0	0.0	0.0	130.6	0.0	2327.1	0.0	SH 29
9854 - 10204	10 0	3134	99.5	0.0	113.4	0.0	0.0	0.0	113.4	0.0	2440.5	0.0	SH 29

Modelled Totals	57493	84.8	2378.5		62.0	2440.5	
Observed Totals		0.0	2542.0		11.3	2553.3	

```
Observed Journey Time =  2553.26     Implied Average Speed =  81.1
Modelled Journey Time =  2440.48    Modelled Average Speed =  84.8
                         95.58%                              104.62%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 14 Movement Analysis - times in seconds

R6NB SH32
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8757 - 8276	18	0	104	84.2	0.0	4.4	0.0	0.0	0.0	4.4	0.0	4.4	0.0	SH 41
8276 - 8922	18	0	117	84.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	9.4	0.0	SH 41
8922 - 4486	18	0	529	84.2	0.0	22.6	0.0	0.0	0.0	22.6	0.0	32.1	0.0	SH 41
4486 - 8918	18	0	448	84.3	0.0	19.1	0.0	0.0	0.0	19.1	0.0	51.2	0.0	SH 41
8918 - 8915	10	0	951	99.8	0.0	34.3	0.0	0.0	0.0	34.3	0.0	85.5	0.0	SH 41
8915 - 8617	10	0	585	99.8	0.0	21.1	0.0	0.0	0.0	21.1	0.0	106.6	0.0	SH 41
8617 - 8926	10	0	245	99.8	0.0	8.8	0.0	0.0	0.0	8.8	0.0	115.4	0.0	SH 41
8926 - 8616	10	0	484	99.8	0.0	17.5	0.0	0.0	0.0	17.5	0.0	132.9	0.0	SH 41
8616 - 8916	9	0	1852	89.5	0.0	74.5	0.0	0.0	0.0	74.5	0.0	207.4	0.0	SH 41
8916 - 8701	9	0	1323	89.5	0.0	53.2	0.0	0.0	0.0	53.2	0.0	260.6	0.0	SH 41
8701 - 8731	17	0	7312	74.9	0.0	351.4	0.0	0.0	0.0	351.4	0.0	612.1	0.0	SH 41
8731 - 8959	9	0	8059	89.5	0.0	324.2	0.0	16.0	0.0	340.2	0.0	952.2	0.0	SH 41
8959 - 8530	29	0	2203	95.2	0.0	83.3	0.0	0.0	0.0	83.3	0.0	1035.5	0.0	WESTERN BAY ROAD
8530 - 4851	9	0	6358	89.5	0.0	255.7	0.0	0.0	0.0	255.7	0.0	1291.3	0.0	WESTERN BAY ROAD
4851 - 10727	9	0	6537	89.5	0.0	262.9	0.0	0.0	0.0	262.9	0.0	1554.2	0.0	WESTERN BAY ROAD
10727 - 8529	19	0	26574	95.1	0.0	1006.0	0.0	0.0	0.0	1006.0	0.0	2560.2	0.0	SH 32
8529 - 4207	19	0	6322	95.1	0.0	239.3	0.0	0.0	0.0	239.3	0.0	2799.5	0.0	SH 32
4207 - 8795	19	0	2446	95.0	0.0	92.7	0.0	0.0	0.0	92.7	0.0	2892.2	0.0	SH 32
8795 - 8797	19	0	3948	95.1	0.0	149.5	0.0	0.0	0.0	149.5	0.0	3041.6	0.0	SH 32
8797 - 8423	17	0	7804	74.8	0.0	375.6	0.0	0.0	0.0	375.6	0.0	3417.2	0.0	SH 32
8423 - 8992	17	4	4698	74.7	0.0	226.4	0.0	14.0	0.0	240.4	0.0	3657.6	0.0	SH 32
8992 - 8424	5	0	844	49.4	0.0	61.5	0.0	0.0	0.0	61.5	0.0	3719.1	0.0	SH 30
8424 - 8525	5	4	560	49.4	0.0	40.8	0.0	9.0	0.0	49.8	0.0	3768.9	0.0	SH 30
8525 - 10225	7	0	12042	69.5	0.0	623.8	0.0	0.0	0.0	623.8	0.0	4392.7	0.0	WHAKAMARU ROAD
10225 - 8537	18	1	8433	84.3	0.0	360.1	0.0	4.0	0.0	364.1	0.0	4756.8	0.0	WHAKAMARU ROAD
8537 - 9000	9	0	3889	89.3	0.0	156.8	0.0	1.0	0.0	157.8	0.0	4914.6	0.0	SH 32
9000 - 9030	9	0	761	89.1	0.0	30.7	0.0	0.0	0.0	30.7	0.0	4945.4	0.0	SH 32
9030 - 9006	7	0	414	69.0	0.0	21.6	0.0	0.0	0.0	21.6	0.0	4967.0	0.0	SH 32
9006 - 4099	15	0	307	53.9	0.0	20.5	0.0	0.0	0.0	20.5	0.0	4987.5	0.0	SH 32
4099 - 8784	15	0	295	53.7	0.0	19.8	0.0	0.0	0.0	19.8	0.0	5007.2	0.0	SH 32
8784 - 4100	15	0	373	54.2	0.0	24.8	0.0	0.0	0.0	24.8	0.0	5032.0	0.0	SH 32
4100 - 9026	15	0	281	54.1	0.0	18.7	0.0	0.0	0.0	18.7	0.0	5050.7	0.0	SH 32
9026 - 9041	15	0	115	53.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	5058.5	0.0	SH 32
9041 - 9032	5	0	75	47.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	5064.1	0.0	SH 32
9032 - 9042	5	0	408	48.2	0.0	30.5	0.0	0.0	0.0	30.5	0.0	5094.6	0.0	SH 32
9042 - 4101	5	0	163	48.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	5106.7	0.0	
4101 - 8785	5	4	187	48.4	0.0	13.9	0.0	10.9	0.0	24.8	0.0	5131.5	0.0	
Modelled Totals	118046		82.8		5076.6		54.9			5131.5				
Observed Totals				0.0		5019.0			20.4		5039.4			

```
Observed Journey Time =  5039.43     Implied Average Speed =  84.3
Modelled Journey Time =  5131.50    Modelled Average Speed =  82.8
                         101.83%                             98.21%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 15 Movement Analysis - times in seconds

R5NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8785 -  8786   15 0   337  53.7   0.0   22.6    0.0   0.0     0.0   22.6    0.0    22.6     0.0    MAIN ROAD
 8786 -  8715   15 0   245  53.7   0.0   16.4    0.0   0.0     0.0   16.4    0.0    39.0     0.0    MAIN ROAD
 8715 -  8710   15 0   466  54.3   0.0   30.9    0.0   0.0     0.0   30.9    0.0    69.9     0.0    MAIN ROAD
 8710 -  8716   15 0   131  54.2   0.0    8.7    0.0   0.0     0.0    8.7    0.0    78.6     0.0    MAIN ROAD
 8716 -  9016    7 0  1422  68.8   0.0   74.4    0.0   0.0     0.0   74.4    0.0   153.0     0.0    MAIN ROAD
 9016 -  9022    8 0   548  78.6   0.0   25.1    0.0   0.0     0.0   25.1    0.0   178.1     0.0    MAIN ROAD
 9022 -  9045   10 0   676  99.1   0.0   24.6    0.0   0.0     0.0   24.6    0.0   202.7     0.0    SH 1
 9045 -  4767   10 0  3416  99.1   0.0  124.1    0.0   0.0     0.0  124.1    0.0   326.8     0.0    SH 1
 4767 - 10198   10 0  4724  99.2   0.0  171.4    0.0   0.0     0.0  171.4    0.0   498.2     0.0    SH 1
10198 -  8542   10 0    22  99.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0   499.0     0.0    SH 1
 8542 -  8738   10 0  3143  99.1   0.0  114.2    0.0   0.0     0.0  114.2    0.0   613.2     0.0    SH 1
 8738 - 10192   10 0   467  99.1   0.0   17.0    0.0   0.0     0.0   17.0    0.0   630.1     0.0    SH 1
10192 -  8565   10 0  4863  99.1   0.0  176.7    0.0   0.0     0.0  176.7    0.0   806.8     0.0    SH 1
 8565 -  8569    9 0  1053  88.4   0.0   42.9    0.0   0.0     0.0   42.9    0.0   849.7     0.0    SH 1
 8569 -  8847    9 0   943  88.4   0.0   38.4    0.0   0.0     0.0   38.4    0.0   888.1     0.0    TAUPO STREET
 8847 -  3440   15 0   387  53.6   0.0   26.0    0.0   0.0     0.0   26.0    0.0   914.1     0.0    TAUPO STREET
 3440 -  9129   15 3   351  53.5   0.0   23.6    0.0  12.0     0.0   35.6    0.0   949.7     0.0    TAUPO STREET
 9129 -  9113   15 0   107  52.5   0.0    7.3    0.0   0.0     0.0    7.3    0.0   957.0     0.0    TIRAU STREET
 9113 - 10202   15 0   451  52.6   0.0   30.9    0.0   0.0     0.0   30.9    0.0   987.9     0.0    SH 1
10202 -  3460   15 0   515  52.6   0.0   35.2    0.0   0.0     0.0   35.2    0.0  1023.1     0.0    SH 1
 3460 -  9125   15 0   707  52.6   0.0   48.4    0.0   0.0     0.0   48.4    0.0  1071.5     0.0    SH 1
 9125 -  8566   15 0  1415  53.2   0.0   95.8    0.0   0.0     0.0   95.8    0.0  1167.3     0.0    SH 1
 8566 -  8538   10 0  1795  99.2   0.0   65.1    0.0   0.0     0.0   65.1    0.0  1232.4     0.0    SH 1
 8538 - 10194   10 0  3288  99.2   0.0  119.3    0.0   0.0     0.0  119.3    0.0  1351.8     0.0    SH 1
10194 -  9682    8 0    30  78.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1353.1     0.0    SH 1

Modelled Totals    31502  83.8       1341.1         12.0         1353.1
Observed Totals                 0.0        1389.3          5.8        1395.2

Observed Journey Time =  1395.18     Implied Average Speed =  81.3
Modelled Journey Time =  1353.12    Modelled Average Speed =  83.8
                          96.99%                             103.11%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 16 Movement Analysis - times in seconds

R5SB SH1
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 10194	8 0	30	78.6	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1.4	0.0	SH 1
10194 - 8538	10 0	3288	99.1	0.0	119.4	0.0	0.0	0.0	119.4	0.0	120.8	0.0	SH 1
8538 - 8566	10 0	1795	99.1	0.0	65.2	0.0	0.0	0.0	65.2	0.0	186.0	0.0	SH 1
8566 - 9125	15 0	1415	53.4	0.0	95.4	0.0	0.0	0.0	95.4	0.0	281.4	0.0	SH 1
9125 - 3460	15 0	707	53.0	0.0	48.0	0.0	0.0	0.0	48.0	0.0	329.4	0.0	SH 1
3460 - 10202	15 0	515	53.0	0.0	35.0	0.0	0.0	0.0	35.0	0.0	364.4	0.0	SH 1
10202 - 9113	15 0	451	52.9	0.0	30.7	0.0	0.0	0.0	30.7	0.0	395.1	0.0	SH 1
9113 - 9129	15 3	107	52.7	0.0	7.3	0.0	8.0	0.0	15.3	0.0	410.4	0.0	TIRAU STREET
9129 - 3440	15 0	351	53.4	0.0	23.7	0.0	0.0	0.0	23.7	0.0	434.1	0.0	TAUPO STREET
3440 - 8847	15 0	387	53.7	0.0	25.9	0.0	0.0	0.0	25.9	0.0	460.0	0.0	TAUPO STREET
8847 - 8569	9 0	943	88.5	0.0	38.4	0.0	0.0	0.0	38.4	0.0	498.4	0.0	TAUPO STREET
8569 - 8565	9 0	1053	88.5	0.0	42.8	0.0	0.0	0.0	42.8	0.0	541.2	0.0	SH 1
8565 - 10192	10 0	4863	99.1	0.0	176.7	0.0	0.0	0.0	176.7	0.0	717.9	0.0	SH 1
10192 - 8738	10 0	467	99.1	0.0	17.0	0.0	0.0	0.0	17.0	0.0	734.8	0.0	SH 1
8738 - 8542	10 0	3143	99.1	0.0	114.2	0.0	0.0	0.0	114.2	0.0	849.0	0.0	SH 1
8542 - 10198	10 0	22	99.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	849.8	0.0	SH 1
10198 - 4767	10 0	4724	99.2	0.0	171.4	0.0	0.0	0.0	171.4	0.0	1021.3	0.0	SH 1
4767 - 9045	10 0	3416	99.0	0.0	124.2	0.0	0.0	0.0	124.2	0.0	1145.5	0.0	SH 1
9045 - 9022	10 0	676	99.0	0.0	24.6	0.0	0.0	0.0	24.6	0.0	1170.1	0.0	SH 1
9022 - 9016	8 0	548	78.5	0.0	25.1	0.0	0.0	0.0	25.1	0.0	1195.2	0.0	MAIN ROAD
9016 - 8716	7 0	1422	68.5	0.0	74.7	0.0	0.0	0.0	74.7	0.0	1269.9	0.0	MAIN ROAD
8716 - 8710	15 0	131	54.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	1278.6	0.0	MAIN ROAD
8710 - 8715	15 0	466	54.4	0.0	30.8	0.0	2.0	0.0	32.8	0.0	1311.5	0.0	MAIN ROAD
8715 - 8786	15 0	245	53.8	0.0	16.4	0.0	0.0	0.0	16.4	0.0	1327.9	0.0	MAIN ROAD
8786 - 8785	15 0	337	53.8	0.0	22.6	0.0	1.3	0.0	23.9	0.0	1351.7	0.0	MAIN ROAD

```
Modelled Totals    31502  83.9       1340.4         11.3         1351.7
Observed Totals                 0.0        1352.8          2.6        1355.4

Observed Journey Time =  1355.38     Implied Average Speed =  83.7
Modelled Journey Time =  1351.70    Modelled Average Speed =  83.9
                          99.73%                              100.27%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 17 Movement Analysis - times in seconds

R6SB SH32
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8785 - 4101	5	0	187	49.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	13.6	0.0	
4101 - 9042	5	0	163	49.2	0.0	11.9	0.0	0.0	0.0	11.9	0.0	25.6	0.0	
9042 - 9032	5	0	408	49.2	0.0	29.9	0.0	0.0	0.0	29.9	0.0	55.4	0.0	SH 32
9032 - 9041	5	0	75	48.7	0.0	5.5	0.0	0.0	0.0	5.5	0.0	61.0	0.0	SH 32
9041 - 9026	15	0	115	54.1	0.0	7.7	0.0	0.0	0.0	7.7	0.0	68.6	0.0	SH 32
9026 - 4100	15	0	281	54.3	0.0	18.6	0.0	0.0	0.0	18.6	0.0	87.2	0.0	SH 32
4100 - 8784	15	0	373	54.5	0.0	24.6	0.0	0.0	0.0	24.6	0.0	111.9	0.0	SH 32
8784 - 4099	15	0	295	53.7	0.0	19.8	0.0	0.0	0.0	19.8	0.0	131.6	0.0	SH 32
4099 - 9006	15	0	307	54.1	0.0	20.4	0.0	0.0	0.0	20.4	0.0	152.1	0.0	SH 32
9006 - 9030	7	0	414	68.9	0.0	21.6	0.0	0.0	0.0	21.6	0.0	173.7	0.0	SH 32
9030 - 9000	9	0	761	88.9	0.0	30.8	0.0	1.0	0.0	31.8	0.0	205.5	0.0	SH 32
9000 - 8537	9	0	3889	89.2	0.0	157.0	0.0	4.0	0.0	161.0	0.0	366.5	0.0	SH 32
8537 - 10225	18	0	8433	84.4	0.0	359.7	0.0	0.0	0.0	359.7	0.0	726.2	0.0	WHAKAMARU ROAD
10225 - 8525	7	0	12042	69.7	0.0	622.0	0.0	12.0	0.0	634.0	0.0	1360.2	0.0	WHAKAMARU ROAD
8525 - 8424	5	0	560	49.8	0.0	40.5	0.0	0.0	0.0	40.5	0.0	1400.6	0.0	SH 30
8424 - 8992	5	0	844	49.8	0.0	61.0	0.0	11.0	0.0	72.0	0.0	1472.6	0.0	SH 30
8992 - 8423	17	0	4698	74.7	0.0	226.4	0.0	0.0	0.0	226.4	0.0	1699.1	0.0	SH 32
8423 - 8797	17	0	7804	74.7	0.0	376.1	0.0	0.0	0.0	376.1	0.0	2075.2	0.0	SH 32
8797 - 8795	19	0	3948	95.1	0.0	149.5	0.0	0.0	0.0	149.5	0.0	2224.6	0.0	SH 32
8795 - 4207	19	0	2446	95.0	0.0	92.7	0.0	0.0	0.0	92.7	0.0	2317.3	0.0	SH 32
4207 - 8529	19	0	6322	95.2	0.0	239.1	0.0	0.0	0.0	239.1	0.0	2556.4	0.0	SH 32
8529 - 10727	19	0	26574	95.2	0.0	1004.9	0.0	0.0	0.0	1004.9	0.0	3561.3	0.0	SH 32
10727 - 4851	9	0	6537	89.5	0.0	262.9	0.0	0.0	0.0	262.9	0.0	3824.2	0.0	WESTERN BAY ROAD
4851 - 8530	9	0	6358	89.5	0.0	255.7	0.0	0.0	0.0	255.7	0.0	4079.9	0.0	WESTERN BAY ROAD
8530 - 8959	29	4	2203	95.1	0.0	83.4	0.0	17.0	0.0	100.4	0.0	4180.3	0.0	WESTERN BAY ROAD
8959 - 8731	9	0	8059	89.4	0.0	324.5	0.0	0.0	0.0	324.5	0.0	4504.9	0.0	SH 41
8731 - 8701	17	0	7312	74.9	0.0	351.4	0.0	0.0	0.0	351.4	0.0	4856.3	0.0	SH 41
8701 - 8916	9	0	1323	89.4	0.0	53.3	0.0	0.0	0.0	53.3	0.0	4909.6	0.0	SH 41
8916 - 8616	9	0	1852	89.4	0.0	74.6	0.0	0.0	0.0	74.6	0.0	4984.2	0.0	SH 41
8616 - 8926	10	0	484	99.7	0.0	17.5	0.0	0.0	0.0	17.5	0.0	5001.6	0.0	SH 41
8926 - 8617	10	0	245	99.8	0.0	8.8	0.0	0.0	0.0	8.8	0.0	5010.5	0.0	SH 41
8617 - 8915	10	0	585	99.7	0.0	21.1	0.0	0.0	0.0	21.1	0.0	5031.6	0.0	SH 41
8915 - 8918	10	0	951	99.7	0.0	34.3	0.0	0.0	0.0	34.3	0.0	5065.9	0.0	SH 41
8918 - 4486	18	0	448	84.1	0.0	19.2	0.0	0.0	0.0	19.2	0.0	5085.1	0.0	SH 41
4486 - 8922	18	0	529	84.1	0.0	22.6	0.0	0.0	0.0	22.6	0.0	5107.8	0.0	SH 41
8922 - 8276	18	0	117	84.1	0.0	5.0	0.0	0.0	0.0	5.0	0.0	5112.8	0.0	SH 41
8276 - 8757	18	4	104	84.1	0.0	4.5	0.0	13.1	0.0	17.6	0.0	5130.3	0.0	SH 41
Modelled Totals	118046		82.8		5072.2		58.1		5130.3					
Observed Totals				0.0		5116.9		21.2		5138.0				

```
Observed Journey Time =  5138.05     Implied Average Speed =  82.7
Modelled Journey Time =  5130.31    Modelled Average Speed =  82.8
                         99.85%                             100.15%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 18 Movement Analysis - times in seconds

R7NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8757 -  8431    6 0   790  59.7   0.0   47.6    0.0   0.0     0.0   47.6    0.0    47.6     0.0    SH 1
 8431 -  8618    6 0    37  59.7   0.0    2.2    0.0   0.0     0.0    2.2    0.0    49.9     0.0    SH 1
 8618 -  8275    6 0   599  59.5   0.0   36.2    0.0   0.0     0.0   36.2    0.0    86.1     0.0    SH 1
 8275 -  8509    7 0  1394  69.4   0.0   72.3    0.0   0.0     0.0   72.3    0.0   158.4     0.0    SH 1
 8509 -  4558   18 0 13285  84.2   0.0  568.0    0.0   0.0     0.0  568.0    0.0   726.4     0.0    SH 1
 4558 -  8578   18 0 10822  84.1   0.0  463.2    0.0   0.0     0.0  463.2    0.0  1189.7     0.0    SH 1
 8578 -  8416    9 0 15514  89.2   0.0  626.1    0.0   0.0     0.0  626.1    0.0  1815.8     0.0    SH 1
 8416 -  8415    9 0  2335  89.2   0.0   94.2    0.0   0.0     0.0   94.2    0.0  1910.0     0.0    SH 1
 8415 -  4249    8 0   907  79.2   0.0   41.2    0.0   0.0     0.0   41.2    0.0  1951.3     0.0    SH 1
 4249 -  8930    8 0   314  78.7   0.0   14.4    0.0   0.0     0.0   14.4    0.0  1965.6     0.0    SH 1
 8930 -  4257    7 0   282  68.3   0.0   14.9    0.0   0.0     0.0   14.9    0.0  1980.5     0.0    SH 1
 4257 -  8717    7 0   351  67.9   0.0   18.6    0.0   0.0     0.0   18.6    0.0  1999.1     0.0    SH 1
 8717 -  8410    7 0   290  67.7   0.0   15.4    0.0   0.0     0.0   15.4    0.0  2014.5     0.0    SH 1
 8410 -  8932    7 0   350  67.4   0.0   18.7    0.0   0.0     0.0   18.7    0.0  2033.2     0.0    SH 1
 8932 -  8740    7 0   321  67.2   0.0   17.2    0.0   0.0     0.0   17.2    0.0  2050.4     0.0    SH 1
 8740 -  4352    7 0   571  66.5   0.0   30.9    0.0   0.0     0.0   30.9    0.0  2081.3     0.0    LAKE TERRACE
 4352 -  8935    7 0   142  66.2   0.0    7.7    0.0   0.0     0.0    7.7    0.0  2089.0     0.0    LAKE TERRACE
 8935 -  8934    7 0    41  66.2   0.0    2.2    0.0   0.0     0.0    2.2    0.0  2091.3     0.0    LAKE TERRACE
 8934 -  8980    7 0   965  66.7   0.0   52.1    0.0   0.0     0.0   52.1    0.0  2143.4     0.0    LAKE TERRACE
 8980 -  8938    5 0    24  45.3   0.0    1.9    0.0   0.0     0.0    1.9    0.0  2145.3     0.0    LAKE TERRACE
 8938 -  8400    5 0    78  45.5   0.0    6.2    0.0   0.0     0.0    6.2    0.0  2151.4     0.0    LAKE TERRACE
 8400 -  8937    5 0   175  45.5   0.0   13.8    0.0   0.0     0.0   13.8    0.0  2165.3     0.0    LAKE TERRACE
 8937 -  8943    5 0   242  46.3   0.0   18.8    0.0   0.0     0.0   18.8    0.0  2184.1     0.0    LAKE TERRACE
 8943 -  8945    6 6   445  57.8   0.0   27.7    0.0  20.0     0.0   47.7    0.0  2231.8     0.0    TONGARIRO STREET
 8945 -  8397    6 0   129  58.7   0.0    7.9    0.0   0.0     0.0    7.9    0.0  2239.7     0.0    TONGARIRO STREET
 8397 -  8969    6 0    92  58.8   0.0    5.6    0.0   0.0     0.0    5.6    0.0  2245.4     0.0    TONGARIRO STREET
 8969 - 11324    6 0    77  58.6   0.0    4.7    0.0   0.0     0.0    4.7    0.0  2250.1     0.0    TONGARIRO STREET
11324 -  8954    6 3    75  58.7   0.0    4.6    0.0   8.0     0.0   12.6    0.0  2262.7     0.0    TONGARIRO STREET
 8954 -  4408   13 0   318  30.3   0.0   37.8    0.0   0.0     0.0   37.8    0.0  2300.5     0.0    TONGARIRO STREET
 4408 -  8402   13 0   145  32.0   0.0   16.3    0.0   0.0     0.0   16.3    0.0  2316.8     0.0    TONGARIRO STREET
 8402 -  8404   13 0    53  32.0   0.0    6.0    0.0   0.0     0.0    6.0    0.0  2322.8     0.0    TONGARIRO STREET
 8404 -  8790    6 0    11  58.1   0.0    0.7    0.0   0.0     0.0    0.7    0.0  2323.4     0.0    TONGARIRO STREET
 8790 -  8403   15 0    65  53.0   0.0    4.4    0.0   0.0     0.0    4.4    0.0  2327.8     0.0    SH 1
 8403 -  4236    8 0   312  78.3   0.0   14.3    0.0   0.0     0.0   14.3    0.0  2342.2     0.0    SH 1
 4236 -  8755    8 0   355  78.3   0.0   16.3    0.0   0.0     0.0   16.3    0.0  2358.5     0.0    SH 1
 8755 -  8635   18 0   280  83.6   0.0   12.1    0.0   0.0     0.0   12.1    0.0  2370.6     0.0    SH 1
 8635 -  8551   19 0  3478  94.4   0.0  132.6    0.0   0.0     0.0  132.6    0.0  2503.2     0.0    SH 1
 8551 -  4226   19 0   494  94.3   0.0   18.9    0.0   0.0     0.0   18.9    0.0  2522.1     0.0    SH 1
 4226 -  9410   19 0  1942  94.5   0.0   74.0    0.0   0.0     0.0   74.0    0.0  2596.0     0.0    SH 1
 9410 -  8391   19 0   327  94.7   0.0   12.4    0.0   0.0     0.0   12.4    0.0  2608.5     0.0    SH 1

Modelled Totals    58427  80.6       2580.5         28.0         2608.5
Observed Totals                0.0        2659.0           9.3        2668.3

Observed Journey Time =  2668.33     Implied Average Speed =  78.8
Modelled Journey Time =  2608.48    Modelled Average Speed =  80.6
                         97.76%                            102.29%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 19 Movement Analysis - times in seconds

R7SB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8792 - 8391	19	0	178	94.5	0.0	6.8	0.0	0.0	0.0	6.8	0.0	6.8	0.0	SH 1
8391 - 9410	19	0	327	94.5	0.0	12.5	0.0	0.0	0.0	12.5	0.0	19.2	0.0	SH 1
9410 - 4226	19	0	1942	94.3	0.0	74.1	0.0	0.0	0.0	74.1	0.0	93.4	0.0	SH 1
4226 - 8551	19	0	494	94.3	0.0	18.9	0.0	0.0	0.0	18.9	0.0	112.2	0.0	SH 1
8551 - 8635	19	0	3478	94.3	0.0	132.8	0.0	0.0	0.0	132.8	0.0	245.0	0.0	SH 1
8635 - 8755	18	0	280	83.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	257.1	0.0	SH 1
8755 - 4236	8	0	355	77.1	0.0	16.6	0.0	0.0	0.0	16.6	0.0	273.7	0.0	SH 1
4236 - 8403	8	0	312	76.9	0.0	14.6	0.0	0.0	0.0	14.6	0.0	288.3	0.0	SH 1
8403 - 8402	15	0	129	51.5	0.0	9.0	0.0	0.0	0.0	9.0	0.0	297.3	0.0	SH 1
8402 - 4408	13	0	145	16.5	0.0	31.6	0.0	0.0	0.0	31.6	0.0	328.9	0.0	TONGARIRO STREET
4408 - 8954	13	3	318	17.6	0.0	65.0	0.0	46.0	0.0	111.0	0.0	440.0	0.0	TONGARIRO STREET
8954 - 11324	6	0	75	57.8	0.0	4.7	0.0	0.0	0.0	4.7	0.0	444.6	0.0	TONGARIRO STREET
11324 - 8969	6	0	77	57.9	0.0	4.8	0.0	0.0	0.0	4.8	0.0	449.4	0.0	TONGARIRO STREET
8969 - 8397	6	0	92	58.3	0.0	5.7	0.0	0.0	0.0	5.7	0.0	455.1	0.0	TONGARIRO STREET
8397 - 8945	6	6	129	58.6	0.0	7.9	0.0	21.0	0.0	28.9	0.0	484.0	0.0	TONGARIRO STREET
8945 - 8943	6	0	445	58.5	0.0	27.4	0.0	0.0	0.0	27.4	0.0	511.4	0.0	TONGARIRO STREET
8943 - 8937	5	0	242	48.0	0.0	18.2	0.0	0.0	0.0	18.2	0.0	529.6	0.0	LAKE TERRACE
8937 - 8400	5	0	175	47.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	542.8	0.0	LAKE TERRACE
8400 - 8938	5	0	78	47.7	0.0	5.9	0.0	0.0	0.0	5.9	0.0	548.7	0.0	LAKE TERRACE
8938 - 8980	5	0	24	47.5	0.0	1.8	0.0	0.0	0.0	1.8	0.0	550.5	0.0	LAKE TERRACE
8980 - 8934	7	0	965	68.2	0.0	50.9	0.0	0.0	0.0	50.9	0.0	601.4	0.0	LAKE TERRACE
8934 - 8935	7	0	41	68.0	0.0	2.2	0.0	0.0	0.0	2.2	0.0	603.6	0.0	LAKE TERRACE
8935 - 4352	7	0	142	67.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	611.1	0.0	LAKE TERRACE
4352 - 8740	7	0	571	68.0	0.0	30.2	0.0	0.0	0.0	30.2	0.0	641.3	0.0	LAKE TERRACE
8740 - 8932	7	0	321	68.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	658.2	0.0	SH 1
8932 - 8410	7	0	350	68.5	0.0	18.4	0.0	0.0	0.0	18.4	0.0	676.6	0.0	SH 1
8410 - 8717	7	0	290	68.7	0.0	15.2	0.0	0.0	0.0	15.2	0.0	691.8	0.0	SH 1
8717 - 4257	7	0	351	68.7	0.0	18.4	0.0	0.0	0.0	18.4	0.0	710.2	0.0	SH 1
4257 - 8930	7	0	282	69.1	0.0	14.7	0.0	0.0	0.0	14.7	0.0	724.9	0.0	SH 1
8930 - 4249	8	0	314	79.4	0.0	14.2	0.0	0.0	0.0	14.2	0.0	739.1	0.0	SH 1
4249 - 8415	8	0	907	79.6	0.0	41.0	0.0	0.0	0.0	41.0	0.0	780.1	0.0	SH 1
8415 - 8416	9	0	2335	89.3	0.0	94.1	0.0	0.0	0.0	94.1	0.0	874.3	0.0	SH 1
8416 - 8578	9	0	15514	89.3	0.0	625.4	0.0	0.0	0.0	625.4	0.0	1499.7	0.0	SH 1
8578 - 4558	18	0	10822	84.3	0.0	462.1	0.0	0.0	0.0	462.1	0.0	1961.9	0.0	SH 1
4558 - 8509	18	0	13285	84.2	0.0	568.0	0.0	0.0	0.0	568.0	0.0	2529.9	0.0	SH 1
8509 - 8275	7	0	1394	69.4	0.0	72.3	0.0	0.0	0.0	72.3	0.0	2602.2	0.0	SH 1
8275 - 8618	6	0	599	59.5	0.0	36.2	0.0	1.0	0.0	37.2	0.0	2639.4	0.0	SH 1
8618 - 8431	6	0	37	59.6	0.0	2.2	0.0	0.0	0.0	2.2	0.0	2641.6	0.0	SH 1
8431 - 8757	6	0	790	59.6	0.0	47.7	0.0	5.1	0.0	52.8	0.0	2694.5	0.0	SH 1
Modelled Totals	58605			78.3		2621.4		73.1		2694.5				
Observed Totals					0.0		2705.7		4.3		2710.0			

```
Observed Journey Time =  2709.96     Implied Average Speed =  77.9
Modelled Journey Time =  2694.46    Modelled Average Speed =  78.3
                          99.43%                             100.58%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 20 Movement Analysis - times in seconds

R8NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8392 -  8929   10 0  4330  99.8   0.0  156.2    0.0   0.0     0.0  156.2    0.0   156.2     0.0    SH 1
 8929 -  8958   10 0  1537  99.8   0.0   55.4    0.0   0.0     0.0   55.4    0.0   211.6     0.0    SH 1
 8958 -  8706   10 0  4063  99.8   0.0  146.6    0.0   0.0     0.0  146.6    0.0   358.2     0.0    SH 1
 8706 -  8984   10 0  4560  99.7   0.0  164.7    0.0   0.0     0.0  164.7    0.0   522.9     0.0    SH 1
 8984 -  8558   10 0  1750  99.7   0.0   63.2    0.0   0.0     0.0   63.2    0.0   586.0     0.0    SH 1
 8558 -  8388   10 0  4852  99.7   0.0  175.2    0.0   0.0     0.0  175.2    0.0   761.2     0.0    SH 1
 8388 -  8629   10 0  6670  99.7   0.0  240.8    0.0   0.0     0.0  240.8    0.0  1002.1     0.0    SH 1
 8629 -  8663   10 0  1538  99.7   0.0   55.5    0.0   0.0     0.0   55.5    0.0  1057.6     0.0    SH 1
 8663 -  8990   10 0  1370  99.7   0.0   49.5    0.0   0.0     0.0   49.5    0.0  1107.1     0.0    SH 1
 8990 -  8844   10 0   965  99.7   0.0   34.8    0.0   0.0     0.0   34.8    0.0  1141.9     0.0    SH 1
 8844 -  8527   10 0  5578  99.7   0.0  201.4    0.0   0.0     0.0  201.4    0.0  1343.3     0.0    SH 1
 8527 -  8544   10 0  6207  99.7   0.0  224.1    0.0   0.0     0.0  224.1    0.0  1567.5     0.0    SH 1
 8544 -  8543   10 0   564  99.8   0.0   20.3    0.0   0.0     0.0   20.3    0.0  1587.8     0.0    SH 1
 8543 - 10222   10 0  7067  99.5   0.0  255.7    0.0   0.0     0.0  255.7    0.0  1843.5     0.0    SH 1
10222 -  8570   10 0  1261  99.5   0.0   45.6    0.0   0.0     0.0   45.6    0.0  1889.1     0.0    SH 1
 8570 - 10223   10 0  1207  99.5   0.0   43.7    0.0   0.0     0.0   43.7    0.0  1932.8     0.0    SH 1
10223 -  8781   10 0   872  99.4   0.0   31.6    0.0   0.0     0.0   31.6    0.0  1964.4     0.0    SH 1
 8781 - 10221   10 0  1102  99.4   0.0   39.9    0.0   0.0     0.0   39.9    0.0  2004.3     0.0    MAIN ROAD
10221 -  9040    7 0   179  68.8   0.0    9.4    0.0   2.1     0.0   11.5    0.0  2015.8     0.0    MAIN ROAD

Modelled Totals    55672  99.4       2013.7          2.1         2015.8
Observed Totals                 0.0        2076.0          0.0        2076.0

Observed Journey Time =  2076.00     Implied Average Speed =  96.5
Modelled Journey Time =  2015.75    Modelled Average Speed =  99.4
                         97.10%                             102.99%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 21 Movement Analysis - times in seconds

R9NB SH5
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8792 - 8552	8	0	1049	79.6	0.0	47.4	0.0	0.0	0.0	47.4	0.0	47.4	0.0	SH 5
8552 - 8553	9	0	1169	89.2	0.0	47.2	0.0	0.0	0.0	47.2	0.0	94.6	0.0	SH 5
8553 - 8554	9	0	2279	89.3	0.0	91.9	0.0	0.0	0.0	91.9	0.0	186.5	0.0	SH 5
8554 - 8556	19	0	3984	94.9	0.0	151.1	0.0	0.0	0.0	151.1	0.0	337.6	0.0	SH 5
8556 - 4223	19	0	4163	94.9	0.0	157.9	0.0	0.0	0.0	157.9	0.0	495.5	0.0	SH 5
4223 - 8557	19	0	9889	94.9	0.0	375.1	0.0	0.0	0.0	375.1	0.0	870.7	0.0	SH 5
8557 - 8798	19	0	3358	94.9	0.0	127.4	0.0	0.0	0.0	127.4	0.0	998.1	0.0	SH 5
8798 - 8277	19	0	5493	94.7	0.0	208.8	0.0	0.0	0.0	208.8	0.0	1206.9	0.0	SH 5
8277 - 8560	19	0	1656	94.7	0.0	63.0	0.0	0.0	0.0	63.0	0.0	1269.8	0.0	SH 5
8560 - 8989	19	0	5378	95.0	0.0	203.8	0.0	0.0	0.0	203.8	0.0	1473.6	0.0	SH 5
8989 - 8810	19	0	5782	94.6	0.0	220.0	0.0	0.0	0.0	220.0	0.0	1693.7	0.0	SH 5
8810 - 10726	9	0	1094	88.9	0.0	44.3	0.0	0.0	0.0	44.3	0.0	1738.0	0.0	SH 5
10726 - 8386	9	0	2133	88.9	0.0	86.4	0.0	0.0	0.0	86.4	0.0	1824.3	0.0	SH 5
8386 - 8741	9	0	220	88.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1833.3	0.0	SH 5
8741 - 8387	9	0	158	88.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1839.7	0.0	SH 5
8387 - 8996	10	0	12504	99.2	0.0	453.8	0.0	0.0	0.0	453.8	0.0	2293.5	0.0	SH 5
8996 - 8592	10	0	214	99.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	2301.2	0.0	SH 5
8592 - 4039	9	0	6701	88.3	0.0	273.2	0.0	0.0	0.0	273.2	0.0	2574.4	0.0	SH 5
4039 - 8783	9	0	551	88.3	0.0	22.5	0.0	0.0	0.0	22.5	0.0	2596.9	0.0	SH 5
8783 - 8804	9	0	207	88.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2605.4	0.0	SH 5
8804 - 8383	9	0	73	88.1	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2608.3	0.0	SH 5
8383 - 3990	7	0	550	67.2	0.0	29.5	0.0	0.0	0.0	29.5	0.0	2637.8	0.0	SH 5
3990 - 8594	7	0	405	67.0	0.0	21.8	0.0	12.0	0.0	33.8	0.0	2671.6	0.0	SH 5
8594 - 9093	15	0	745	52.7	0.0	50.9	0.0	0.0	0.0	50.9	0.0	2722.5	0.0	OLD TAUPO ROAD
9093 - 9039	15	0	460	53.2	0.0	31.1	0.0	0.0	0.0	31.1	0.0	2753.6	0.0	OLD TAUPO ROAD
9039 - 8596	5	3	328	46.9	0.0	25.2	0.0	14.0	0.0	39.2	0.0	2792.8	0.0	OLD TAUPO ROAD
8596 - 9102	5	0	511	46.0	0.0	40.0	0.0	0.0	0.0	40.0	0.0	2832.8	0.0	OLD TAUPO ROAD
9102 - 9072	15	0	387	51.5	0.0	27.1	0.0	0.0	0.0	27.1	0.0	2859.8	0.0	OLD TAUPO ROAD
9072 - 8709	15	7	122	51.2	0.0	8.6	0.0	18.0	0.0	26.6	0.0	2886.4	0.0	OLD TAUPO ROAD
8709 - 9054	15	0	322	52.4	0.0	22.1	0.0	0.0	0.0	22.1	0.0	2908.5	0.0	
9054 - 8841	15	6	563	52.5	0.0	38.6	0.0	13.0	0.0	51.6	0.0	2960.1	0.0	SH 5
8841 - 8373	15	0	24	52.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2961.8	0.0	Old Taupo Road
8373 - 9060	15	0	273	52.1	0.0	18.9	0.0	0.0	0.0	18.9	0.0	2980.6	0.0	Old Taupo Road
9060 - 9081	15	6	107	52.2	0.0	7.4	0.0	27.0	0.0	34.4	0.0	3015.0	0.0	SH 5
9081 - 9083	15	0	292	52.5	0.0	20.0	0.0	0.0	0.0	20.0	0.0	3035.0	0.0	SH 5
9083 - 9062	15	0	224	52.8	0.0	15.3	0.0	0.0	0.0	15.3	0.0	3050.3	0.0	SH 5
9062 - 9084	15	0	69	53.1	0.0	4.7	0.0	0.0	0.0	4.7	0.0	3055.0	0.0	SH 5
9084 - 8259	15	0	354	53.2	0.0	24.0	0.0	0.0	0.0	24.0	0.0	3078.9	0.0	SH 5
8259 - 9085	15	6	35	53.2	0.0	2.4	0.0	34.0	0.0	36.4	0.0	3115.3	0.0	SH 5
9085 - 8257	15	0	78	52.7	0.0	5.3	0.0	0.0	0.0	5.3	0.0	3120.6	0.0	FAIRY SPRINGS ROAD
8257 - 4018	15	0	248	52.3	0.0	17.1	0.0	0.0	0.0	17.1	0.0	3137.7	0.0	FAIRY SPRINGS ROAD
4018 - 9099	15	0	321	52.4	0.0	22.1	0.0	0.0	0.0	22.1	0.0	3159.8	0.0	FAIRY SPRINGS ROAD
9099 - 9087	6	0	398	57.4	0.0	25.0	0.0	0.0	0.0	25.0	0.0	3184.7	0.0	SH 5
9087 - 4009	6	0	225	56.4	0.0	14.4	0.0	0.0	0.0	14.4	0.0	3199.1	0.0	NGONGOTAHA ROAD
4009 - 8361	6	0	370	56.5	0.0	23.6	0.0	0.0	0.0	23.6	0.0	3222.7	0.0	NGONGOTAHA ROAD
8361 - 3956	17	0	1404	72.7	0.0	69.5	0.0	0.0	0.0	69.5	0.0	3292.2	0.0	NGONGOTAHA ROAD
3956 - 8591	17	3	1238	72.8	0.0	61.2	0.0	12.0	0.0	73.2	0.0	3365.4	0.0	NGONGOTAHA ROAD
8591 - 8601	19	0	1121	94.5	0.0	42.7	0.0	0.0	0.0	42.7	0.0	3408.1	0.0	SH 5
8601 - 8600	9	0	1392	89.0	0.0	56.3	0.0	0.0	0.0	56.3	0.0	3464.4	0.0	SH 5
8600 - 8811	10	0	115	99.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	3468.6	0.0	SH 5
8811 - 3949	8	0	737	79.4	0.0	33.4	0.0	0.0	0.0	33.4	0.0	3502.0	0.0	SH 5
3949 - 9106	8	0	1897	79.5	0.0	85.9	0.0	0.0	0.0	85.9	0.0	3587.9	0.0	SH 5
9106 - 8692	9	0	721	89.1	0.0	29.1	0.0	0.0	0.0	29.1	0.0	3617.0	0.0	SH 5
8692 - 10206	9	0	2628	89.1	0.0	106.2	0.0	0.0	0.0	106.2	0.0	3723.2	0.0	SH 5
10206 - 9110	9	0	5176	89.2	0.0	208.9	0.0	0.0	0.0	208.9	0.0	3932.1	0.0	SH 5
9110 - 9124	8	0	118	79.5	0.0	5.3	0.0	0.0	0.0	5.3	0.0	3937.4	0.0	SH 5
9124 - 8280	9	0	2759	89.1	0.0	111.5	0.0	0.0	0.0	111.5	0.0	4048.9	0.0	SH 5
8280 - 10207	9	0	11828	89.1	0.0	477.9	0.0	0.0	0.0	477.9	0.0	4526.8	0.0	SH 5
10207 - 8489	9	0	7684	88.9	0.0	311.2	0.0	0.0	0.0	311.2	0.0	4838.0	0.0	SH 5
8489 - 9648	10	0	32	99.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	4839.1	0.0	SH 5
9648 - 8490	10	0	2374	99.6	0.0	85.8	0.0	0.0	0.0	85.8	0.0	4924.9	0.0	SH 5
8490 - 9134	10	0	111	99.8	0.0	4.0	0.0	0.0	0.0	4.0	0.0	4929.0	0.0	SH 5
9134 - 8493	9	0	2208	89.3	0.0	89.0	0.0	0.0	0.0	89.0	0.0	5018.0	0.0	SH 5
8493 - 10193	9	0	2900	89.4	0.0	116.8	0.0	0.0	0.0	116.8	0.0	5134.7	0.0	SH 5
Modelled Totals	121909		85.5		5004.7		130.0		5134.7					
Observed Totals				0.0		5065.0		46.5		5111.5				

```
Observed Journey Time =  5111.48     Implied Average Speed =  85.9
Modelled Journey Time =  5134.74    Modelled Average Speed =  85.5
                         100.46%                             99.55%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 22 Movement Analysis - times in seconds

R9SB SH5

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total    Mdl    Time
 9682 - 10193    8 0    53  79.6   0.0    2.4    0.0   0.0     0.0    2.4    0.0     2.4     0.0    SH 5
10193 -  8493    9 0  2900  89.3   0.0  116.9    0.0   0.0     0.0  116.9    0.0   119.3     0.0    SH 5
 8493 -  9134    9 0  2208  89.2   0.0   89.1    0.0   0.0     0.0   89.1    0.0   208.4     0.0    SH 5
 9134 -  8490   10 0   111  99.4   0.0    4.0    0.0   0.0     0.0    4.0    0.0   212.4     0.0    SH 5
 8490 -  9648   10 0  2374  99.4   0.0   86.0    0.0   0.0     0.0   86.0    0.0   298.4     0.0    SH 5
 9648 -  8489   10 0    32  99.5   0.0    1.2    0.0   0.0     0.0    1.2    0.0   299.6     0.0    SH 5
 8489 - 10207    9 0  7684  88.7   0.0  311.9    0.0   0.0     0.0  311.9    0.0   611.4     0.0    SH 5
10207 -  8280    9 0 11828  88.6   0.0  480.6    0.0   0.0     0.0  480.6    0.0  1092.0     0.0    SH 5
 8280 -  9124    9 0  2759  88.6   0.0  112.1    0.0   0.0     0.0  112.1    0.0  1204.1     0.0    SH 5
 9124 -  9110    8 0   118  78.9   0.0    5.4    0.0   0.0     0.0    5.4    0.0  1209.5     0.0    SH 5
 9110 - 10206    9 0  5176  88.8   0.0  209.8    0.0   0.0     0.0  209.8    0.0  1419.4     0.0    SH 5
10206 -  8692    9 0  2628  88.5   0.0  106.9    0.0   0.0     0.0  106.9    0.0  1526.3     0.0    SH 5
 8692 -  9106    9 0   721  88.5   0.0   29.3    0.0   0.0     0.0   29.3    0.0  1555.6     0.0    SH 5
 9106 -  3949    8 0  1897  78.6   0.0   86.9    0.0   0.0     0.0   86.9    0.0  1642.5     0.0    SH 5
 3949 -  8811    8 0   737  78.4   0.0   33.8    0.0   0.0     0.0   33.8    0.0  1676.3     0.0    SH 5
 8811 -  8600   10 0   115  98.7   0.0    4.2    0.0   0.0     0.0    4.2    0.0  1680.5     0.0    SH 5
 8600 -  8601    9 0  1392  88.1   0.0   56.9    0.0   0.0     0.0   56.9    0.0  1737.4     0.0    SH 5
 8601 -  8591   19 3  1121  93.2   0.0   43.3    0.0  22.0     0.0   65.3    0.0  1802.7     0.0    SH 5
 8591 -  3956   17 0  1238  67.6   0.0   65.9    0.0   0.0     0.0   65.9    0.0  1868.6     0.0    NGONGOTAHA ROAD
 3956 -  8361   17 0  1404  67.3   0.0   75.1    0.0   0.0     0.0   75.1    0.0  1943.7     0.0    NGONGOTAHA ROAD
 8361 -  4009    6 0   370  25.3   0.0   52.6    0.0   0.0     0.0   52.6    0.0  1996.4     0.0    NGONGOTAHA ROAD
 4009 -  9087    6 0   225  15.4   0.0   52.6    0.0   0.0     0.0   52.6    0.0  2049.0     0.0    NGONGOTAHA ROAD
 9087 -  9099    6 0   398  55.4   0.0   25.9    0.0   0.0     0.0   25.9    0.0  2074.8     0.0    SH 5
 9099 -  4018   15 0   321  49.6   0.0   23.3    0.0   0.0     0.0   23.3    0.0  2098.1     0.0    FAIRY SPRINGS ROAD
 4018 -  8257   15 0   248  49.3   0.0   18.1    0.0   0.0     0.0   18.1    0.0  2116.2     0.0    FAIRY SPRINGS ROAD
 8257 -  9085   15 6    78  49.3   0.0    5.7    0.0  38.0     0.0   43.7    0.0  2159.9     0.0    FAIRY SPRINGS ROAD
 9085 -  8259   15 0    35  52.0   0.0    2.4    0.0   0.0     0.0    2.4    0.0  2162.4     0.0    SH 5
 8259 -  9084   15 0   354  51.9   0.0   24.6    0.0   0.0     0.0   24.6    0.0  2186.9     0.0    SH 5
 9084 -  9062   15 0    69  52.0   0.0    4.8    0.0   0.0     0.0    4.8    0.0  2191.7     0.0    SH 5
 9062 -  9083   15 0   224  52.1   0.0   15.5    0.0   0.0     0.0   15.5    0.0  2207.2     0.0    SH 5
 9083 -  9081   15 6   292  52.2   0.0   20.1    0.0  12.0     0.0   32.1    0.0  2239.3     0.0    SH 5
 9081 -  9060   15 0   107  51.6   0.0    7.5    0.0   0.0     0.0    7.5    0.0  2246.8     0.0    SH 5
 9060 -  8373   15 0   273  51.6   0.0   19.0    0.0   0.0     0.0   19.0    0.0  2265.8     0.0    Old Taupo Road
 8373 -  8841   15 6    24  52.6   0.0    1.6    0.0  13.0     0.0   14.6    0.0  2280.5     0.0    Old Taupo Road
 8841 -  9054   15 0   563  52.6   0.0   38.5    0.0   0.0     0.0   38.5    0.0  2319.0     0.0    SH 5
 9054 -  8709   15 7   322  52.5   0.0   22.1    0.0  19.0     0.0   41.1    0.0  2360.1     0.0
 8709 -  9072   15 0   122  51.5   0.0    8.5    0.0   0.0     0.0    8.5    0.0  2368.6     0.0    OLD TAUPO ROAD
 9072 -  9102   15 0   387  52.3   0.0   26.6    0.0   0.0     0.0   26.6    0.0  2395.2     0.0    OLD TAUPO ROAD
 9102 -  8596    5 3   511  47.1   0.0   39.1    0.0  19.0     0.0   58.1    0.0  2453.3     0.0    OLD TAUPO ROAD
 8596 -  9039    5 0   328  47.9   0.0   24.7    0.0   0.0     0.0   24.7    0.0  2478.0     0.0    OLD TAUPO ROAD
 9039 -  9093   15 0   460  53.6   0.0   30.9    0.0   0.0     0.0   30.9    0.0  2508.8     0.0    OLD TAUPO ROAD
 9093 -  8594   15 4   745  52.8   0.0   50.8    0.0  18.0     0.0   68.8    0.0  2577.6     0.0    OLD TAUPO ROAD
 8594 -  3990    7 0   405  67.6   0.0   21.6    0.0   0.0     0.0   21.6    0.0  2599.2     0.0    SH 5
 3990 -  8383    7 0   550  67.9   0.0   29.2    0.0   0.0     0.0   29.2    0.0  2628.4     0.0    SH 5
 8383 -  8804    9 0    73  87.9   0.0    3.0    0.0   0.0     0.0    3.0    0.0  2631.4     0.0    SH 5
 8804 -  8783    9 0   207  88.2   0.0    8.4    0.0   0.0     0.0    8.4    0.0  2639.8     0.0    SH 5
 8783 -  4039    9 0   551  88.5   0.0   22.4    0.0   0.0     0.0   22.4    0.0  2662.2     0.0    SH 5
 4039 -  8592    9 0  6701  88.7   0.0  272.0    0.0   0.0     0.0  272.0    0.0  2934.2     0.0    SH 5
 8592 -  8996   10 0   214  99.3   0.0    7.8    0.0   0.0     0.0    7.8    0.0  2942.0     0.0    SH 5
 8996 -  8387   10 0 12504  99.6   0.0  452.0    0.0   0.0     0.0  452.0    0.0  3393.9     0.0    SH 5
 8387 -  8741    9 0   158  89.3   0.0    6.4    0.0   0.0     0.0    6.4    0.0  3400.3     0.0    SH 5
 8741 -  8386    9 0   220  89.3   0.0    8.9    0.0   0.0     0.0    8.9    0.0  3409.1     0.0    SH 5
 8386 - 10726    9 0  2133  89.2   0.0   86.1    0.0   0.0     0.0   86.1    0.0  3495.2     0.0    SH 5
10726 -  8810    9 0  1094  89.2   0.0   44.2    0.0   0.0     0.0   44.2    0.0  3539.4     0.0    SH 5
 8810 -  8989   19 0  5782  94.8   0.0  219.6    0.0   0.0     0.0  219.6    0.0  3758.9     0.0    SH 5
 8989 -  8560   19 0  5378  95.1   0.0  203.6    0.0   0.0     0.0  203.6    0.0  3962.5     0.0    SH 5
 8560 -  8277   19 0  1656  95.0   0.0   62.8    0.0   0.0     0.0   62.8    0.0  4025.3     0.0    SH 5
 8277 -  8798   19 0  5493  95.0   0.0  208.2    0.0   0.0     0.0  208.2    0.0  4233.4     0.0    SH 5
 8798 -  8557   19 0  3358  95.0   0.0  127.3    0.0   0.0     0.0  127.3    0.0  4360.7     0.0    SH 5
 8557 -  4223   19 0  9889  95.0   0.0  374.7    0.0   0.0     0.0  374.7    0.0  4735.4     0.0    SH 5
 4223 -  8556   19 0  4163  94.8   0.0  158.1    0.0   0.0     0.0  158.1    0.0  4893.5     0.0    SH 5
 8556 -  8554   19 0  3984  94.8   0.0  151.3    0.0   0.0     0.0  151.3    0.0  5044.8     0.0    SH 5
 8554 -  8553    9 0  2279  89.2   0.0   92.0    0.0   0.0     0.0   92.0    0.0  5136.8     0.0    SH 5
 8553 -  8552    9 0  1169  89.3   0.0   47.1    0.0   0.0     0.0   47.1    0.0  5183.9     0.0    SH 5

Modelled Totals   120913  84.0       5042.9        141.0         5183.9
Observed Totals                0.0        5106.7          54.5        5161.2

Observed Journey Time =  5161.21     Implied Average Speed =  84.3
Modelled Journey Time =  5183.92    Modelled Average Speed =  84.0
                         100.44%                            99.56%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 23 Movement Analysis - times in seconds

R10aNB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9584 -  3227   10 0  5601  99.6   0.0  202.4    0.0   0.0     0.0  202.4    0.0   202.4     0.0    SH 27
 3227 -  9737   10 0  8739  99.7   0.0  315.6    0.0   1.0     0.0  316.6    0.0   519.0     0.0    SH 27
 9737 -  8449   10 0  2856  99.6   0.0  103.2    0.0   0.0     0.0  103.2    0.0   622.2     0.0    SH 27
 8449 -  9777   10 0  4754  99.7   0.0  171.7    0.0   0.0     0.0  171.7    0.0   793.9     0.0    SH 27
 9777 -  8308   10 0  6168  99.7   0.0  222.7    0.0   0.0     0.0  222.7    0.0  1016.6     0.0    SH 27
 8308 -  9964    9 0  6350  89.2   0.0  256.3    0.0   0.0     0.0  256.3    0.0  1272.9     0.0    SH 27
 9964 -  9562    9 0 10549  89.2   0.0  425.7    0.0   0.0     0.0  425.7    0.0  1698.6     0.0    SH 27

Modelled Totals    45017  95.4       1697.6          1.0         1698.6
Observed Totals                 0.0        1730.7          0.0        1730.7

Observed Journey Time =  1730.67     Implied Average Speed =  93.6
Modelled Journey Time =  1698.62    Modelled Average Speed =  95.4
                         98.15%                            101.89%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 24 Movement Analysis - times in seconds

R10aSB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9562 -  9964    9 0 10549  89.3   0.0  425.3    0.0   0.0     0.0  425.3    0.0   425.3     0.0    SH 27
 9964 -  8308    9 0  6350  89.2   0.0  256.3    0.0   0.0     0.0  256.3    0.0   681.5     0.0    SH 27
 8308 -  9777   10 0  6168  99.7   0.0  222.7    0.0   0.0     0.0  222.7    0.0   904.3     0.0    SH 27
 9777 -  8449   10 0  4754  99.8   0.0  171.5    0.0   0.0     0.0  171.5    0.0  1075.7     0.0    SH 27
 8449 -  9737   10 0  2856  99.6   0.0  103.2    0.0   1.0     0.0  104.2    0.0  1180.0     0.0    SH 27
 9737 -  3227   10 0  8739  99.7   0.0  315.6    0.0   0.0     0.0  315.6    0.0  1495.5     0.0    SH 27
 3227 -  9584   10 0  5601  99.5   0.0  202.6    0.0   2.7     0.0  205.3    0.0  1700.9     0.0    SH 27

Modelled Totals    45017  95.3       1697.2          3.7         1700.9
Observed Totals                 0.0        1740.0          0.0        1740.0

Observed Journey Time =  1740.00     Implied Average Speed =  93.1
Modelled Journey Time =  1700.88    Modelled Average Speed =  95.3
                         97.75%                            102.30%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 25 Movement Analysis - times in seconds

R10bNB SH27
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10196 - 9837	6	0	529	58.9	0.0	32.3	0.0	0.0	0.0	32.3	0.0	32.3	0.0	SH 27
9837 - 10145	9	0	2880	89.0	0.0	116.5	0.0	0.0	0.0	116.5	0.0	148.8	0.0	SH 27
10145 - 9573	9	0	337	89.0	0.0	13.6	0.0	0.0	0.0	13.6	0.0	162.5	0.0	SH 27
9573 - 9842	9	4	6299	89.0	0.0	254.8	0.0	8.0	0.0	262.8	0.0	425.2	0.0	SH 27
9842 - 8480	9	0	22	88.7	0.0	0.9	0.0	15.0	0.0	15.9	0.0	441.1	0.0	SH 29
8480 - 8479	9	0	17	89.1	0.0	0.7	0.0	0.0	0.0	0.7	0.0	441.8	0.0	SH 27
8479 - 9597	9	0	6734	89.1	0.0	272.1	0.0	0.0	0.0	272.1	0.0	713.9	0.0	SH 27
9597 - 8471	8	0	912	79.4	0.0	41.4	0.0	0.0	0.0	41.4	0.0	755.3	0.0	SH 27
8471 - 8473	5	0	5	48.2	0.0	0.4	0.0	0.0	0.0	0.4	0.0	755.6	0.0	SH 27
8473 - 9848	5	0	44	48.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	758.9	0.0	SH 27
9848 - 10168	5	0	509	47.9	0.0	38.3	0.0	0.0	0.0	38.3	0.0	797.2	0.0	SH 27
10168 - 10157	5	0	712	47.6	0.0	53.8	0.0	0.0	0.0	53.8	0.0	851.0	0.0	SH 27
10157 - 3430	5	0	278	47.4	0.0	21.1	0.0	0.0	0.0	21.1	0.0	872.1	0.0	SH 27
3430 - 10159	5	3	410	47.8	0.0	30.9	0.0	10.0	0.0	40.9	0.0	913.0	0.0	SH 27
10159 - 3434	18	0	573	82.9	0.0	24.9	0.0	0.0	0.0	24.9	0.0	937.9	0.0	WAHAROA ROAD WEST
3434 - 10154	18	0	2220	83.4	0.0	95.8	0.0	0.0	0.0	95.8	0.0	1033.7	0.0	WAHAROA ROAD WEST
10154 - 9601	18	0	2279	83.4	0.0	98.4	0.0	0.0	0.0	98.4	0.0	1132.1	0.0	
9601 - 10160	15	0	451	53.6	0.0	30.3	0.0	0.0	0.0	30.3	0.0	1162.4	0.0	SEDDON STREET
10160 - 9850	17	0	1774	74.0	0.0	86.3	0.0	0.0	0.0	86.3	0.0	1248.7	0.0	SH 27
9850 - 9592	10	0	4233	99.4	0.0	153.3	0.0	0.0	0.0	153.3	0.0	1402.0	0.0	SH 27
9592 - 8458	10	0	3695	99.4	0.0	133.8	0.0	0.0	0.0	133.8	0.0	1535.8	0.0	SH 27
8458 - 9591	19	0	2647	94.2	0.0	101.2	0.0	0.0	0.0	101.2	0.0	1637.0	0.0	SH 27
9591 - 9690	10	0	21	99.2	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1637.7	0.0	SH 27
9690 - 9582	19	0	2663	94.5	0.0	101.4	0.0	0.0	0.0	101.4	0.0	1739.2	0.0	SH 27
9582 - 9553	19	0	700	94.5	0.0	26.7	0.0	0.0	0.0	26.7	0.0	1765.9	0.0	SH 27
9553 - 3261	19	0	2936	94.5	0.0	111.8	0.0	0.0	0.0	111.8	0.0	1877.7	0.0	SH 27
3261 - 9585	19	0	3549	94.5	0.0	135.2	0.0	0.0	0.0	135.2	0.0	2012.9	0.0	SH 27
9585 - 9584	10	0	48	98.8	0.0	1.7	0.0	7.1	0.0	8.8	0.0	2021.8	0.0	
Modelled Totals			47477	84.5		1981.7		40.1		2021.8				
Observed Totals					0.0		2059.3		19.5		2078.9			

```
Observed Journey Time =  2078.88     Implied Average Speed =  82.2
Modelled Journey Time =  2021.76    Modelled Average Speed =  84.5
                          97.25%                              102.83%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 26 Movement Analysis - times in seconds

R10bSB SH27
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9584 - 9585	10 0	48	98.6	0.0	1.8	0.0	0.0	0.0	1.8	0.0	1.8	0.0	
9585 - 3261	19 0	3549	94.4	0.0	135.3	0.0	0.0	0.0	135.3	0.0	137.1	0.0	SH 27
3261 - 9553	19 0	2936	94.8	0.0	111.5	0.0	0.0	0.0	111.5	0.0	248.6	0.0	SH 27
9553 - 9582	19 0	700	94.7	0.0	26.6	0.0	0.0	0.0	26.6	0.0	275.2	0.0	SH 27
9582 - 9690	19 0	2663	94.7	0.0	101.2	0.0	0.0	0.0	101.2	0.0	376.4	0.0	SH 27
9690 - 9591	10 0	21	99.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	377.2	0.0	SH 27
9591 - 8458	19 0	2647	94.3	0.0	101.1	0.0	0.0	0.0	101.1	0.0	478.2	0.0	SH 27
8458 - 9592	10 0	3695	99.4	0.0	133.8	0.0	0.0	0.0	133.8	0.0	612.1	0.0	SH 27
9592 - 9850	10 0	4233	99.4	0.0	153.3	0.0	0.0	0.0	153.3	0.0	765.4	0.0	SH 27
9850 - 10160	17 0	1774	73.7	0.0	86.7	0.0	0.0	0.0	86.7	0.0	852.0	0.0	SH 27
10160 - 9601	15 0	451	53.2	0.0	30.5	0.0	0.0	0.0	30.5	0.0	882.6	0.0	SEDDON STREET
9601 - 10154	18 0	2279	83.1	0.0	98.7	0.0	0.0	0.0	98.7	0.0	981.3	0.0	
10154 - 3434	18 0	2220	82.9	0.0	96.4	0.0	0.0	0.0	96.4	0.0	1077.7	0.0	WAHAROA ROAD WEST
3434 - 10159	18 3	573	82.8	0.0	24.9	0.0	16.0	0.0	40.9	0.0	1118.6	0.0	WAHAROA ROAD WEST
10159 - 3430	5 0	410	46.5	0.0	31.7	0.0	0.0	0.0	31.7	0.0	1150.3	0.0	SH 27
3430 - 10157	5 0	278	47.5	0.0	21.1	0.0	0.0	0.0	21.1	0.0	1171.4	0.0	SH 27
10157 - 10168	5 0	712	48.4	0.0	53.0	0.0	0.0	0.0	53.0	0.0	1224.4	0.0	SH 27
10168 - 9848	5 0	509	48.5	0.0	37.8	0.0	0.0	0.0	37.8	0.0	1262.1	0.0	SH 27
9848 - 8473	5 0	44	48.6	0.0	3.3	0.0	2.0	0.0	5.3	0.0	1267.4	0.0	SH 27
8473 - 8471	5 0	5	49.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	1267.8	0.0	SH 27
8471 - 9597	8 0	912	79.4	0.0	41.4	0.0	0.0	0.0	41.4	0.0	1309.1	0.0	SH 27
9597 - 8479	9 0	6734	89.1	0.0	272.1	0.0	0.0	0.0	272.1	0.0	1581.2	0.0	SH 27
8479 - 8480	9 4	17	89.1	0.0	0.7	0.0	14.0	0.0	14.7	0.0	1595.9	0.0	SH 27
8480 - 9842	9 0	22	88.7	0.0	0.9	0.0	9.0	0.0	9.9	0.0	1605.8	0.0	SH 29
9842 - 9573	9 0	6299	89.0	0.0	254.8	0.0	0.0	0.0	254.8	0.0	1860.6	0.0	SH 27
9573 - 10145	9 0	337	89.0	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1874.2	0.0	SH 27
10145 - 9837	9 0	2880	89.0	0.0	116.5	0.0	0.0	0.0	116.5	0.0	1990.7	0.0	SH 27
9837 - 10196	6 0	529	58.8	0.0	32.4	0.0	0.2	0.0	32.6	0.0	2023.3	0.0	SH 27
Modelled Totals		47477	84.5		1982.1		41.2		2023.3				
Observed Totals				0.0		2127.0		12.4		2139.4			

```
Observed Journey Time =  2139.43     Implied Average Speed =  79.9
Modelled Journey Time =  2023.29    Modelled Average Speed =  84.5
                          94.57%                              105.74%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 27 Movement Analysis - times in seconds

R11aNB SH3
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10120 - 10239	4 0	276	37.5	0.0	26.5	0.0	0.0	0.0	26.5	0.0	26.5	0.0	MANIAPOTO STREET
10239 - 10127	4 0	302	38.3	0.0	28.4	0.0	0.0	0.0	28.4	0.0	54.9	0.0	MANIAPOTO STREET
10127 - 10126	6 0	268	58.6	0.0	16.5	0.0	0.0	0.0	16.5	0.0	71.3	0.0	MAIN NORTH ROAD
10126 - 10240	6 0	657	58.6	0.0	40.4	0.0	0.0	0.0	40.4	0.0	111.7	0.0	MAIN NORTH ROAD
10240 - 10121	17 0	2403	74.1	0.0	116.7	0.0	0.0	0.0	116.7	0.0	228.5	0.0	MAIN NORTH ROAD
10121 - 10241	19 0	7195	94.3	0.0	274.7	0.0	0.0	0.0	274.7	0.0	503.1	0.0	OTOROHANGA ROAD
10241 - 9939	10 0	6166	99.2	0.0	223.8	0.0	0.0	0.0	223.8	0.0	726.9	0.0	OTOROHANGA ROAD
9939 - 9521	10 0	358	99.2	0.0	13.0	0.0	1.0	0.0	14.0	0.0	740.9	0.0	OTOROHANGA ROAD
9521 - 10776	10 0	1611	98.8	0.0	58.7	0.0	0.0	0.0	58.7	0.0	799.6	0.0	SH 3
10776 - 10244	10 0	1083	98.8	0.0	39.5	0.0	0.0	0.0	39.5	0.0	839.0	0.0	SH 3
10244 - 2628	10 0	3028	98.7	0.0	110.4	0.0	0.0	0.0	110.4	0.0	949.5	0.0	SH 3
2628 - 6031	9 0	1279	88.0	0.0	52.3	0.0	0.0	0.0	52.3	0.0	1001.8	0.0	OTOROHANGA ROAD
6031 - 5976	5 0	222	47.2	0.0	16.9	0.0	0.0	0.0	16.9	0.0	1018.7	0.0	SH 3
5976 - 6382	5 0	192	47.2	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1033.4	0.0	SH 3
6382 - 6155	5 0	10	47.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1034.2	0.0	
6155 - 6293	4 0	112	37.7	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1044.8	0.0	SH 3
6293 - 6292	4 0	120	36.6	0.0	11.8	0.0	0.0	0.0	11.8	0.0	1056.7	0.0	SH 3
6292 - 10246	4 0	72	36.6	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1063.7	0.0	SH 3
10246 - 6294	4 0	57	36.6	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1069.3	0.0	SH 3
6294 - 4434	15 0	123	51.9	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1077.9	0.0	
4434 - 4433	4 0	13	36.6	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1079.2	0.0	
4433 - 6037	5 0	192	45.7	0.0	15.1	0.0	0.0	0.0	15.1	0.0	1094.3	0.0	SH 3
6037 - 4871	5 0	81	45.3	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1100.7	0.0	SH 3
4871 - 6203	6 0	294	55.9	0.0	18.9	0.0	0.0	0.0	18.9	0.0	1119.6	0.0	SH 3
6203 - 2732	7 0	958	66.7	0.0	51.7	0.0	0.0	0.0	51.7	0.0	1171.4	0.0	SH 3
2732 - 4872	7 0	653	66.6	0.0	35.3	0.0	0.0	0.0	35.3	0.0	1206.7	0.0	SH 3
4872 - 6405	6 0	302	55.8	0.0	19.5	0.0	0.0	0.0	19.5	0.0	1226.1	0.0	SH 3
6405 - 10264	15 0	89	51.4	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1232.4	0.0	SH 3
10264 - 6406	5 0	234	45.6	0.0	18.5	0.0	0.0	0.0	18.5	0.0	1250.8	0.0	SH 3
6406 - 6213	5 0	215	45.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	1267.8	0.0	SH 3
6213 - 10252	5 0	50	45.8	0.0	3.9	0.0	0.0	0.0	3.9	0.0	1271.7	0.0	SH 3
10252 - 6083	5 0	64	45.8	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1276.7	0.0	SH 3
6083 - 5967	5 0	20	44.9	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1278.3	0.0	
5967 - 5966	5 0	123	45.1	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1288.2	0.0	SH 3
5966 - 5968	5 0	59	44.1	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1293.0	0.0	SH 3
5968 - 5969	5 0	83	44.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1299.7	0.0	SH 3
5969 - 4548	5 3	7	44.2	0.0	0.6	0.0	12.0	0.0	12.6	0.0	1312.3	0.0	
4548 - 4541	6 0	284	57.4	0.0	17.8	0.0	0.0	0.0	17.8	0.0	1330.1	0.0	
4541 - 4509	6 0	123	57.2	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1337.9	0.0	GEORGE STREET
4509 - 10257	6 0	95	57.6	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1343.8	0.0	SH 3
10257 - 4510	6 0	67	57.6	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1348.0	0.0	SH 3
4510 - 2824	6 3	294	57.6	0.0	18.4	0.0	13.0	0.0	31.4	0.0	1379.4	0.0	SH 3
2824 - 3916	6 0	55	57.1	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1382.8	0.0	OHAUPO ROAD
3916 - 5829	6 0	216	57.5	0.0	13.5	0.0	0.0	0.0	13.5	0.0	1396.4	0.0	SH 3
5829 - 3941	6 0	51	57.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1399.5	0.0	SH 3
3941 - 2592	6 0	90	57.5	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1405.2	0.0	OHAUPO ROAD
2592 - 2593	6 0	43	57.5	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1407.9	0.0	OHAUPO ROAD
2593 - 5433	6 0	47	57.5	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1410.8	0.0	
5433 - 5434	6 0	134	57.0	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1419.3	0.0	OHAUPO ROAD
5434 - 10255	6 0	227	57.1	0.0	14.3	0.0	0.0	0.0	14.3	0.0	1433.6	0.0	SH 3
10255 - 5435	16 0	217	62.8	0.0	12.4	0.0	0.0	0.0	12.4	0.0	1446.0	0.0	SH 3
5435 - 4860	7 0	582	67.6	0.0	31.0	0.0	0.0	0.0	31.0	0.0	1477.0	0.0	SH 3
4860 - 5844	19 0	1007	92.9	0.0	39.0	0.0	0.0	0.0	39.0	0.0	1516.0	0.0	OHAUPO ROAD
5844 - 6129	19 0	870	92.9	0.0	33.7	0.0	1.0	0.0	34.7	0.0	1550.8	0.0	SH 3
6129 - 6351	19 0	356	92.8	0.0	13.8	0.0	0.0	0.0	13.8	0.0	1564.6	0.0	SH 3
6351 - 5933	19 0	178	94.0	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1571.4	0.0	SH 3
5933 - 6239	19 0	262	94.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1581.4	0.0	SH 3
6239 - 10306	19 0	257	94.0	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1591.3	0.0	SH 3
10306 - 6352	19 0	1764	94.0	0.0	67.6	0.0	0.0	0.0	67.6	0.0	1658.8	0.0	SH 3
6352 - 4888	19 0	919	94.0	0.0	35.2	0.0	0.0	0.0	35.2	0.0	1694.0	0.0	SH 3
4888 - 4437	19 0	1126	94.0	0.0	43.1	0.0	0.0	0.0	43.1	0.0	1737.1	0.0	OHAUPO ROAD
4437 - 6355	9 0	1002	88.6	0.0	40.7	0.0	2.0	0.0	42.7	0.0	1779.9	0.0	SH 3
6355 - 4814	9 0	384	87.6	0.0	15.8	0.0	0.0	0.0	15.8	0.0	1795.6	0.0	SH 3
4814 - 4837	8 0	568	77.4	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1822.1	0.0	SH 3
4837 - 6069	7 0	398	67.4	0.0	21.3	0.0	0.0	0.0	21.3	0.0	1843.3	0.0	SH 3
6069 - 6070	15 0	104	51.9	0.0	7.2	0.0	0.0	0.0	7.2	0.0	1850.5	0.0	SH 3
6070 - 10315	15 0	113	51.9	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1858.4	0.0	SH 3
10315 - 2745	15 0	198	51.9	0.0	13.7	0.0	0.0	0.0	13.7	0.0	1872.1	0.0	SH 3
2745 - 4554	7 0	1414	67.1	0.0	75.9	0.0	0.0	0.0	75.9	0.0	1948.0	0.0	SH 3
4554 - 4553	7 0	553	66.9	0.0	29.8	0.0	0.0	0.0	29.8	0.0	1977.7	0.0	SH 3
4553 - 4861	8 0	45	78.5	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1979.8	0.0	
4861 - 10684	9 0	1282	88.4	0.0	52.2	0.0	0.0	0.0	52.2	0.0	2032.0	0.0	OHAUPO ROAD
10684 - 2621	9 0	817	88.4	0.0	33.3	0.0	0.0	0.0	33.3	0.0	2065.3	0.0	OHAUPO ROAD
2621 - 6356	9 0	617	87.2	0.0	25.5	0.0	0.0	0.0	25.5	0.0	2090.7	0.0	
6356 - 6357	9 0	91	87.2	0.0	3.8	0.0	0.0	0.0	3.8	0.0	2094.5	0.0	SH 3
6357 - 6358	9 0	81	87.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2097.8	0.0	SH 3
6358 - 6359	9 0	625	87.4	0.0	25.7	0.0	0.0	0.0	25.7	0.0	2123.6	0.0	SH 3
6359 - 6360	9 0	451	87.4	0.0	18.6	0.0	0.0	0.0	18.6	0.0	2142.1	0.0	SH 3
6360 - 6337	9 0	291	87.4	0.0	12.0	0.0	0.0	0.0	12.0	0.0	2154.1	0.0	SH 3
6337 - 5867	9 0	1164	87.4	0.0	47.9	0.0	0.0	0.0	47.9	0.0	2202.1	0.0	SH 3
5867 - 2923	9 0	1132	87.4	0.0	46.6	0.0	0.0	0.0	46.6	0.0	2248.7	0.0	SH 3
2923 - 2922	9 0	474	87.0	0.0	19.6	0.0	0.0	0.0	19.6	0.0	2268.3	0.0	OHAUPO ROAD
2922 - 2581	9 0	246	87.0	0.0	10.2	0.0	0.0	0.0	10.2	0.0	2278.5	0.0	SH 3
2581 - 2631	9 0	690	86.7	0.0	28.7	0.0	0.0	0.0	28.7	0.0	2307.1	0.0	SH 3
2631 - 2917	9 0	636	86.7	0.0	26.4	0.0	0.0	0.0	26.4	0.0	2333.6	0.0	SH 3
2917 - 3157	9 0	1045	86.7	0.0	43.4	0.0	0.0	0.0	43.4	0.0	2376.9	0.0	SH 3
Modelled Totals		52656	79.8		2347.9		29.0		2376.9				
Observed Totals				0.0		2409.0		5.8		2414.8			

```
Observed Journey Time =  2414.83     Implied Average Speed =  78.5
Modelled Journey Time =  2376.95    Modelled Average Speed =  79.8
                          98.43%                             101.59%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 28 Movement Analysis - times in seconds

R11aSB SH3
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4923 - 3157	7	0	101	68.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	5.3	0.0	SH 3
3157 - 2917	9	0	1045	88.3	0.0	42.6	0.0	0.0	0.0	42.6	0.0	47.9	0.0	SH 3
2917 - 2631	9	0	636	88.3	0.0	25.9	0.0	0.0	0.0	25.9	0.0	73.9	0.0	SH 3
2631 - 2581	9	0	690	88.3	0.0	28.1	0.0	0.0	0.0	28.1	0.0	102.0	0.0	SH 3
2581 - 2922	9	0	246	88.5	0.0	10.0	0.0	0.0	0.0	10.0	0.0	112.0	0.0	SH 3
2922 - 2923	9	0	474	88.5	0.0	19.3	0.0	0.0	0.0	19.3	0.0	131.3	0.0	OHAUPO ROAD
2923 - 5867	9	0	1132	88.7	0.0	45.9	0.0	0.0	0.0	45.9	0.0	177.2	0.0	SH 3
5867 - 6337	9	0	1164	88.7	0.0	47.2	0.0	1.0	0.0	48.2	0.0	225.5	0.0	SH 3
6337 - 6360	9	0	291	88.8	0.0	11.8	0.0	0.0	0.0	11.8	0.0	237.3	0.0	SH 3
6360 - 6359	9	0	451	88.8	0.0	18.3	0.0	0.0	0.0	18.3	0.0	255.5	0.0	SH 3
6359 - 6358	9	0	625	88.8	0.0	25.3	0.0	0.0	0.0	25.3	0.0	280.9	0.0	SH 3
6358 - 6357	9	0	81	88.8	0.0	3.3	0.0	0.0	0.0	3.3	0.0	284.2	0.0	SH 3
6357 - 6356	9	0	91	88.6	0.0	3.7	0.0	0.0	0.0	3.7	0.0	287.9	0.0	SH 3
6356 - 2621	9	0	617	88.6	0.0	25.1	0.0	0.0	0.0	25.1	0.0	312.9	0.0	
2621 - 10684	9	0	817	89.1	0.0	33.0	0.0	0.0	0.0	33.0	0.0	345.9	0.0	OHAUPO ROAD
10684 - 4861	9	0	1282	89.1	0.0	51.8	0.0	0.0	0.0	51.8	0.0	397.7	0.0	OHAUPO ROAD
4861 - 4553	8	0	45	79.4	0.0	2.0	0.0	0.0	0.0	2.0	0.0	399.8	0.0	
4553 - 4554	7	0	553	68.6	0.0	29.0	0.0	0.0	0.0	29.0	0.0	428.8	0.0	SH 3
4554 - 2745	7	0	1414	68.6	0.0	74.2	0.0	0.0	0.0	74.2	0.0	503.0	0.0	SH 3
2745 - 10315	15	0	198	53.7	0.0	13.3	0.0	0.0	0.0	13.3	0.0	516.3	0.0	SH 3
10315 - 6070	15	0	113	53.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	523.9	0.0	SH 3
6070 - 6069	15	0	104	53.7	0.0	7.0	0.0	0.0	0.0	7.0	0.0	530.8	0.0	SH 3
6069 - 4837	7	0	398	68.7	0.0	20.9	0.0	0.0	0.0	20.9	0.0	551.7	0.0	SH 3
4837 - 4814	8	0	568	78.9	0.0	25.9	0.0	0.0	0.0	25.9	0.0	577.6	0.0	SH 3
4814 - 6355	9	0	384	88.7	0.0	15.6	0.0	0.0	0.0	15.6	0.0	593.2	0.0	SH 3
6355 - 4437	9	0	1002	89.1	0.0	40.5	0.0	0.0	0.0	40.5	0.0	633.7	0.0	SH 3
4437 - 4888	19	0	1126	94.7	0.0	42.8	0.0	0.0	0.0	42.8	0.0	676.5	0.0	OHAUPO ROAD
4888 - 6352	19	0	919	94.7	0.0	34.9	0.0	0.0	0.0	34.9	0.0	711.4	0.0	SH 3
6352 - 10306	19	0	1764	94.7	0.0	67.1	0.0	0.0	0.0	67.1	0.0	778.5	0.0	SH 3
10306 - 6239	19	0	257	94.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	788.2	0.0	SH 3
6239 - 5933	19	0	262	94.7	0.0	10.0	0.0	0.0	0.0	10.0	0.0	798.2	0.0	SH 3
5933 - 6351	19	0	178	94.7	0.0	6.8	0.0	2.0	0.0	8.8	0.0	807.0	0.0	SH 3
6351 - 6129	19	0	356	94.2	0.0	13.6	0.0	1.0	0.0	14.6	0.0	821.6	0.0	SH 3
6129 - 5844	19	0	870	94.2	0.0	33.2	0.0	0.0	0.0	33.2	0.0	854.8	0.0	SH 3
5844 - 4860	19	0	1007	94.2	0.0	38.5	0.0	0.0	0.0	38.5	0.0	893.3	0.0	OHAUPO ROAD
4860 - 5435	7	0	582	68.6	0.0	30.5	0.0	0.0	0.0	30.5	0.0	923.8	0.0	SH 3
5435 - 10255	16	0	217	63.9	0.0	12.2	0.0	0.0	0.0	12.2	0.0	936.1	0.0	SH 3
10255 - 5434	6	0	227	58.5	0.0	14.0	0.0	0.0	0.0	14.0	0.0	950.0	0.0	SH 3
5434 - 5433	6	0	134	58.5	0.0	8.2	0.0	0.0	0.0	8.2	0.0	958.3	0.0	OHAUPO ROAD
5433 - 2593	6	0	47	58.8	0.0	2.9	0.0	0.0	0.0	2.9	0.0	961.2	0.0	
2593 - 2592	6	0	43	58.8	0.0	2.6	0.0	0.0	0.0	2.6	0.0	963.8	0.0	OHAUPO ROAD
2592 - 3941	6	0	90	58.8	0.0	5.5	0.0	0.0	0.0	5.5	0.0	969.3	0.0	OHAUPO ROAD
3941 - 5829	6	0	51	58.8	0.0	3.1	0.0	0.0	0.0	3.1	0.0	972.4	0.0	SH 3
5829 - 3916	6	0	216	58.8	0.0	13.2	0.0	0.0	0.0	13.2	0.0	985.7	0.0	SH 3
3916 - 2824	6	3	55	58.4	0.0	3.4	0.0	12.0	0.0	15.4	0.0	1001.0	0.0	OHAUPO ROAD
2824 - 4510	6	0	294	58.5	0.0	18.1	0.0	0.0	0.0	18.1	0.0	1019.1	0.0	SH 3
4510 - 10257	6	0	67	58.5	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1023.3	0.0	SH 3
10257 - 4509	6	0	95	58.5	0.0	5.8	0.0	0.0	0.0	5.8	0.0	1029.1	0.0	SH 3
4509 - 4541	6	0	123	58.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1036.6	0.0	GEORGE STREET
4541 - 4548	6	3	284	58.6	0.0	17.4	0.0	9.0	0.0	26.4	0.0	1063.1	0.0	
4548 - 5969	5	0	7	47.4	0.0	0.5	0.0	0.0	0.0	0.5	0.0	1063.6	0.0	
5969 - 5968	5	0	83	47.4	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1069.9	0.0	SH 3
5968 - 5966	5	0	59	47.5	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1074.4	0.0	SH 3
5966 - 5967	5	0	123	47.8	0.0	9.3	0.0	0.0	0.0	9.3	0.0	1083.7	0.0	SH 3
5967 - 6083	5	0	20	47.7	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1085.2	0.0	
6083 - 10252	5	0	64	48.0	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1090.0	0.0	SH 3
10252 - 6213	5	0	50	48.0	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1093.7	0.0	SH 3
6213 - 6406	5	0	215	47.9	0.0	16.2	0.0	0.0	0.0	16.2	0.0	1109.9	0.0	SH 3
6406 - 10264	5	0	234	47.8	0.0	17.6	0.0	0.0	0.0	17.6	0.0	1127.5	0.0	SH 3
10264 - 6405	15	0	89	53.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	1133.5	0.0	SH 3
6405 - 4872	6	0	302	57.5	0.0	18.9	0.0	0.0	0.0	18.9	0.0	1152.4	0.0	SH 3
4872 - 2732	7	0	653	67.9	0.0	34.6	0.0	2.0	0.0	36.6	0.0	1189.1	0.0	SH 3
2732 - 6203	7	0	958	68.1	0.0	50.6	0.0	0.0	0.0	50.6	0.0	1239.7	0.0	SH 3
6203 - 4871	6	0	294	57.8	0.0	18.3	0.0	0.0	0.0	18.3	0.0	1258.0	0.0	SH 3
4871 - 6037	5	0	81	47.5	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1264.2	0.0	SH 3
6037 - 4433	5	0	192	47.7	0.0	14.5	0.0	0.0	0.0	14.5	0.0	1278.6	0.0	SH 3
4433 - 4434	4	0	13	38.0	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1279.9	0.0	
4434 - 6294	15	0	123	53.2	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1288.2	0.0	
6294 - 10246	4	0	57	38.0	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1293.6	0.0	SH 3
10246 - 6292	4	0	72	38.0	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1300.4	0.0	SH 3
6292 - 6293	4	0	120	38.0	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1311.8	0.0	SH 3
6293 - 6155	4	0	112	38.5	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1322.3	0.0	SH 3
6155 - 6382	5	0	10	48.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1323.0	0.0	
6382 - 5976	5	0	192	48.0	0.0	14.4	0.0	0.0	0.0	14.4	0.0	1337.4	0.0	SH 3
5976 - 6031	5	0	222	48.0	0.0	16.7	0.0	0.0	0.0	16.7	0.0	1354.1	0.0	SH 3
6031 - 2628	9	0	1279	88.5	0.0	52.0	0.0	0.0	0.0	52.0	0.0	1406.1	0.0	OTOROHANGA ROAD
2628 - 10244	10	0	3028	99.1	0.0	110.0	0.0	0.0	0.0	110.0	0.0	1516.1	0.0	SH 3
10244 - 10776	10	0	1083	99.2	0.0	39.3	0.0	0.0	0.0	39.3	0.0	1555.4	0.0	SH 3
10776 - 9521	10	0	1611	99.2	0.0	58.5	0.0	2.0	0.0	60.5	0.0	1615.8	0.0	SH 3
9521 - 9939	10	0	358	99.4	0.0	13.0	0.0	0.0	0.0	13.0	0.0	1628.8	0.0	OTOROHANGA ROAD
9939 - 10241	10	0	6166	99.4	0.0	223.3	0.0	0.0	0.0	223.3	0.0	1852.1	0.0	OTOROHANGA ROAD
10241 - 10121	19	0	7195	94.4	0.0	274.4	0.0	0.0	0.0	274.4	0.0	2126.5	0.0	OTOROHANGA ROAD
10121 - 10240	17	0	2403	74.0	0.0	116.9	0.0	0.0	0.0	116.9	0.0	2243.4	0.0	MAIN NORTH ROAD
10240 - 10126	6	0	657	58.5	0.0	40.4	0.0	0.0	0.0	40.4	0.0	2283.8	0.0	MAIN NORTH ROAD
10126 - 10127	6	0	268	58.5	0.0	16.5	0.0	0.0	0.0	16.5	0.0	2300.3	0.0	MAIN NORTH ROAD
10127 - 10239	4	0	302	37.9	0.0	28.7	0.0	0.0	0.0	28.7	0.0	2329.0	0.0	MANIAPOTO STREET
10239 - 10120	4	0	276	38.2	0.0	26.0	0.0	2.3	0.0	28.3	0.0	2357.3	0.0	MANIAPOTO STREET
Modelled Totals			52757	80.6		2326.0		31.3		2357.3				

```
Observed Totals                 0.0        2360.7          11.3        2372.0

Observed Journey Time =  2371.98     Implied Average Speed =  80.1
Modelled Journey Time =  2357.34    Modelled Average Speed =  80.6
                          99.38%                            100.62%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 29 Movement Analysis - times in seconds

R11bNB SH39

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
10120 -  3575   15 0   672  53.8   0.0   45.0    0.0   0.0     0.0   45.0    0.0    45.0     0.0    SH 31
 3575 - 10128   15 0   776  54.2   0.0   51.5    0.0   0.0     0.0   51.5    0.0    96.5     0.0    SH 31
10128 -  8269   10 0  6024  99.5   0.0  218.0    0.0   0.0     0.0  218.0    0.0   314.5     0.0    SH 31
 8269 -  9935   10 0  4169  99.5   0.0  150.8    0.0   0.0     0.0  150.8    0.0   465.3     0.0    SH 31
 9935 -  9937    9 0  1900  89.0   0.0   76.9    0.0   0.0     0.0   76.9    0.0   542.2     0.0    SH 31
 9937 -  9936   10 0    70  99.6   0.0    2.5    0.0   0.0     0.0    2.5    0.0   544.7     0.0    SYMES ROAD
 9936 -  8270    9 0  8797  88.9   0.0  356.2    0.0   0.0     0.0  356.2    0.0   900.9     0.0    SH 39
 8270 - 10732    9 0  3044  88.9   0.0  123.3    0.0   0.0     0.0  123.3    0.0  1024.2     0.0    SH 39
10732 -  4428   15 0  1696  54.1   0.0  112.9    0.0   0.0     0.0  112.9    0.0  1137.0     0.0    SH 39
 4428 -  6500   15 0   425  54.2   0.0   28.2    0.0   0.0     0.0   28.2    0.0  1165.3     0.0    BAFFIN STREET
 6500 -  6144   15 0   200  53.8   0.0   13.4    0.0   0.0     0.0   13.4    0.0  1178.7     0.0    SH 39
 6144 -  6453   15 0   229  53.8   0.0   15.3    0.0   0.0     0.0   15.3    0.0  1194.0     0.0    SH 39
 6453 -  6153   15 0   224  53.7   0.0   15.0    0.0   0.0     0.0   15.0    0.0  1209.0     0.0    SH 39
 6153 - 10690   15 0   138  53.7   0.0    9.3    0.0   0.0     0.0    9.3    0.0  1218.2     0.0    SH 39
10690 -  4570   15 0    84  53.7   0.0    5.6    0.0   0.0     0.0    5.6    0.0  1223.9     0.0    SH 39
 4570 -  6049    6 0   219  58.5   0.0   13.5    0.0   0.0     0.0   13.5    0.0  1237.4     0.0    SH 39
 6049 -  4158    7 0    26  68.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1238.7     0.0
 4158 -  2729   18 0   486  83.5   0.0   21.0    0.0   0.0     0.0   21.0    0.0  1259.7     0.0    SH 39
 2729 -  5877   10 0  2671  99.3   0.0   96.8    0.0   0.0     0.0   96.8    0.0  1356.5     0.0    SH 39
 5877 -  5878   10 0   832  99.2   0.0   30.2    0.0   0.0     0.0   30.2    0.0  1386.7     0.0    SH 39
 5878 -  4487   10 0  1027  99.1   0.0   37.3    0.0   0.0     0.0   37.3    0.0  1424.0     0.0    SH 39
 4487 -  4694   10 0   680  99.1   0.0   24.7    0.0   0.0     0.0   24.7    0.0  1448.7     0.0    SH 39
 4694 -  5875   10 0  1686  99.1   0.0   61.2    0.0   0.0     0.0   61.2    0.0  1510.0     0.0    SH 39
 5875 -  5873   10 0   471  99.1   0.0   17.1    0.0   0.0     0.0   17.1    0.0  1527.1     0.0    SH 39
 5873 -  5872   10 0   948  99.1   0.0   34.4    0.0   0.0     0.0   34.4    0.0  1561.5     0.0    SH 39
 5872 -  5871   10 0  1923  99.0   0.0   69.9    0.0   0.0     0.0   69.9    0.0  1631.4     0.0    SH 39
 5871 -  4501   10 0  1215  99.0   0.0   44.2    0.0   0.0     0.0   44.2    0.0  1675.6     0.0    SH 39
 4501 -  2759    6 0   175  58.1   0.0   10.8    0.0   0.0     0.0   10.8    0.0  1686.5     0.0    SH 39
 2759 - 10237    6 0   322  58.1   0.0   20.0    0.0   0.0     0.0   20.0    0.0  1706.4     0.0    SH 39
10237 -  2760   17 0   413  73.5   0.0   20.2    0.0   0.0     0.0   20.2    0.0  1726.6     0.0    SH 39
 2760 -  5870   10 0  2223  98.9   0.0   80.9    0.0   0.0     0.0   80.9    0.0  1807.6     0.0    SH 39
 5870 -  5869   10 0  1579  98.9   0.0   57.5    0.0   0.0     0.0   57.5    0.0  1865.0     0.0    SH 39
 5869 -  5868   10 0    74  98.9   0.0    2.7    0.0   0.0     0.0    2.7    0.0  1867.7     0.0    SH 39
 5868 -  5727   10 0  1566  99.6   0.0   56.6    0.0   0.0     0.0   56.6    0.0  1924.3     0.0    SH 39
 5727 -  5633   10 0   367  99.6   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1937.6     0.0    SH 39
 5633 -  5507   10 0  1115  99.6   0.0   40.3    0.0   0.0     0.0   40.3    0.0  1977.9     0.0    SH 39
 5507 -  5508   10 0   862  99.6   0.0   31.2    0.0   0.0     0.0   31.2    0.0  2009.0     0.0    SH 39
 5508 -  4843   16 0     7  64.6   0.0    0.4    0.0   0.0     0.0    0.4    0.0  2009.4     0.0
 4843 -  4844   10 0  1872  99.6   0.0   67.7    0.0   0.0     0.0   67.7    0.0  2077.1     0.0    SH 39
 4844 -  5572   10 0  1145  99.4   0.0   41.5    0.0   0.0     0.0   41.5    0.0  2118.6     0.0    SH 39
 5572 -  5537   10 0   412  99.4   0.0   14.9    0.0   0.0     0.0   14.9    0.0  2133.5     0.0    SH 39
 5537 -  5640    8 4   924  79.1   0.0   42.1    0.0  11.0     0.0   53.1    0.0  2186.5     0.0    SH 39
 5640 -  5602   15 0    56  53.7   0.0    3.8    0.0  12.0     0.0   15.8    0.0  2202.3     0.0    SH 23
 5602 -  5601   15 0   191  53.8   0.0   12.8    0.0   0.0     0.0   12.8    0.0  2215.1     0.0    SH 39
 5601 -  5603   15 0     8  53.8   0.0    0.5    0.0   0.0     0.0    0.5    0.0  2215.6     0.0
 5603 - 10233    7 0   205  68.8   0.0   10.7    0.0   0.0     0.0   10.7    0.0  2226.3     0.0    SH 39
10233 -  5604    7 0   246  68.8   0.0   12.9    0.0   0.0     0.0   12.9    0.0  2239.2     0.0    SH 39
 5604 -  5605    7 0   307  68.8   0.0   16.1    0.0   0.0     0.0   16.1    0.0  2255.3     0.0    SH 39
 5605 -  5606    8 0   780  78.9   0.0   35.6    0.0   0.0     0.0   35.6    0.0  2290.9     0.0    SH 39
 5606 -  5607    8 0   257  78.9   0.0   11.7    0.0   0.0     0.0   11.7    0.0  2302.6     0.0    SH 39
 5607 -  5608    8 0    81  79.1   0.0    3.7    0.0   0.0     0.0    3.7    0.0  2306.3     0.0    SH 39
 5608 -  5609   10 0   710  99.5   0.0   25.7    0.0   0.0     0.0   25.7    0.0  2332.0     0.0    SH 39
 5609 -  5619   10 0  2177  99.5   0.0   78.8    0.0   0.0     0.0   78.8    0.0  2410.7     0.0    SH 39
 5619 -  5744   10 0   193  99.5   0.0    7.0    0.0   0.0     0.0    7.0    0.0  2417.7     0.0    SH 39
 5744 -  4717    9 0   488  88.9   0.0   19.8    0.0   0.0     0.0   19.8    0.0  2437.5     0.0    SH 39
 4717 - 10231    8 0  1179  79.4   0.0   53.5    0.0   0.0     0.0   53.5    0.0  2490.9     0.0    SH 39
10231 -  4635   15 0   165  54.3   0.0   10.9    0.0   0.0     0.0   10.9    0.0  2501.9     0.0    SH 39
 4635 -  4718   15 0   127  54.3   0.0    8.4    0.0   0.0     0.0    8.4    0.0  2510.3     0.0    SH 39
 4718 -  4728   15 0   345  54.3   0.0   22.9    0.0   0.0     0.0   22.9    0.0  2533.2     0.0    SH 39
 4728 -  3731   15 0   209  54.2   0.0   13.9    0.0   0.0     0.0   13.9    0.0  2547.0     0.0    SH 39
 3731 -  3730    7 0   221  69.1   0.0   11.5    0.0   0.0     0.0   11.5    0.0  2558.6     0.0    SH 39
 3730 -  5760    9 0  1707  89.1   0.0   69.0    0.0   0.0     0.0   69.0    0.0  2627.5     0.0    SH 39
 5760 -  2681   10 0  1354  99.6   0.0   48.9    0.0   0.0     0.0   48.9    0.0  2676.5     0.0    SH 39
 2681 - 10679   10 0  2523  99.6   0.0   91.2    0.0   0.0     0.0   91.2    0.0  2767.7     0.0    SH 39
10679 -  5655    8 0   710  79.3   0.0   32.2    0.0   0.0     0.0   32.2    0.0  2799.9     0.0    SH 39
 5655 -  2825    8 0   149  79.4   0.0    6.8    0.0   0.0     0.0    6.8    0.0  2806.7     0.0    SH 39
 2825 -  2709    8 0   968  79.4   0.0   43.9    0.0   0.0     0.0   43.9    0.0  2850.5     0.0    SH 39
 2709 -  2708    7 0   753  69.2   0.0   39.2    0.0   0.0     0.0   39.2    0.0  2889.7     0.0    SH 39
 2708 -  5761   15 0    29  54.7   0.0    1.9    0.0   0.0     0.0    1.9    0.0  2891.6     0.0    SH 39
 5761 -  5644   15 0    39  54.6   0.0    2.6    0.0   0.0     0.0    2.6    0.0  2894.2     0.0    SH 39
 5644 -  4619   15 0   330  54.6   0.0   21.8    0.0   0.0     0.0   21.8    0.0  2916.0     0.0    SH 39
 4619 -  5481   15 4   118  54.6   0.0    7.8    0.0   5.8     0.0   13.6    0.0  2929.5     0.0    SH 39

Modelled Totals    70313  86.4       2900.7         28.8         2929.5
Observed Totals                 0.0        2868.0           7.9        2875.9

Observed Journey Time =  2875.94     Implied Average Speed =  88.0
Modelled Journey Time =  2929.53    Modelled Average Speed =  86.4
                         101.86%                            98.17%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 30 Movement Analysis - times in seconds

R11bSB SH39
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
5824 - 5862	15	0	88	54.3	0.0	5.8	0.0	0.0	0.0	5.8	0.0	5.8	0.0	ELLERY STREET
5862 - 5481	15	0	17	54.3	0.0	1.1	0.0	5.0	0.0	6.1	0.0	12.0	0.0	
5481 - 4619	15	0	118	54.6	0.0	7.8	0.0	0.0	0.0	7.8	0.0	19.7	0.0	SH 39
4619 - 5644	15	0	330	54.6	0.0	21.8	0.0	0.0	0.0	21.8	0.0	41.5	0.0	SH 39
5644 - 5761	15	0	39	54.6	0.0	2.6	0.0	0.0	0.0	2.6	0.0	44.1	0.0	SH 39
5761 - 2708	15	0	29	54.8	0.0	1.9	0.0	2.0	0.0	3.9	0.0	48.0	0.0	SH 39
2708 - 2709	7	0	753	69.3	0.0	39.1	0.0	0.0	0.0	39.1	0.0	87.1	0.0	SH 39
2709 - 2825	8	0	968	79.5	0.0	43.8	0.0	0.0	0.0	43.8	0.0	130.9	0.0	SH 39
2825 - 5655	8	0	149	79.5	0.0	6.7	0.0	0.0	0.0	6.7	0.0	137.7	0.0	SH 39
5655 - 10679	8	0	710	79.5	0.0	32.2	0.0	0.0	0.0	32.2	0.0	169.8	0.0	SH 39
10679 - 2681	10	0	2523	99.7	0.0	91.1	0.0	0.0	0.0	91.1	0.0	260.9	0.0	SH 39
2681 - 5760	10	0	1354	99.6	0.0	48.9	0.0	0.0	0.0	48.9	0.0	309.9	0.0	SH 39
5760 - 3730	9	0	1707	89.0	0.0	69.0	0.0	0.0	0.0	69.0	0.0	378.9	0.0	SH 39
3730 - 3731	7	0	221	69.1	0.0	11.5	0.0	0.0	0.0	11.5	0.0	390.4	0.0	SH 39
3731 - 4728	15	0	209	54.2	0.0	13.9	0.0	0.0	0.0	13.9	0.0	404.3	0.0	SH 39
4728 - 4718	15	0	345	54.4	0.0	22.8	0.0	0.0	0.0	22.8	0.0	427.1	0.0	SH 39
4718 - 4635	15	0	127	54.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	435.5	0.0	SH 39
4635 - 10231	15	0	165	54.4	0.0	10.9	0.0	0.0	0.0	10.9	0.0	446.5	0.0	SH 39
10231 - 4717	8	0	1179	79.5	0.0	53.4	0.0	0.0	0.0	53.4	0.0	499.9	0.0	SH 39
4717 - 5744	9	0	488	89.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	519.6	0.0	SH 39
5744 - 5619	10	0	193	99.7	0.0	7.0	0.0	0.0	0.0	7.0	0.0	526.5	0.0	SH 39
5619 - 5609	10	0	2177	99.7	0.0	78.6	0.0	0.0	0.0	78.6	0.0	605.1	0.0	SH 39
5609 - 5608	10	0	710	99.7	0.0	25.6	0.0	0.0	0.0	25.6	0.0	630.8	0.0	SH 39
5608 - 5607	8	0	81	79.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	634.5	0.0	SH 39
5607 - 5606	8	0	257	79.4	0.0	11.7	0.0	0.0	0.0	11.7	0.0	646.1	0.0	SH 39
5606 - 5605	8	0	780	79.4	0.0	35.4	0.0	0.0	0.0	35.4	0.0	681.5	0.0	SH 39
5605 - 5604	7	0	307	69.2	0.0	16.0	0.0	0.0	0.0	16.0	0.0	697.4	0.0	SH 39
5604 - 10233	7	0	246	69.2	0.0	12.8	0.0	0.0	0.0	12.8	0.0	710.2	0.0	SH 39
10233 - 5603	7	0	205	69.2	0.0	10.7	0.0	0.0	0.0	10.7	0.0	720.9	0.0	SH 39
5603 - 5601	15	0	8	54.3	0.0	0.5	0.0	0.0	0.0	0.5	0.0	721.4	0.0	
5601 - 5602	15	4	191	54.3	0.0	12.7	0.0	9.0	0.0	21.7	0.0	743.1	0.0	SH 39
5602 - 5640	15	0	56	52.8	0.0	3.8	0.0	9.0	0.0	12.8	0.0	755.9	0.0	SH 23
5640 - 5537	8	0	924	79.3	0.0	41.9	0.0	0.0	0.0	41.9	0.0	797.9	0.0	SH 39
5537 - 5572	10	0	412	99.6	0.0	14.9	0.0	0.0	0.0	14.9	0.0	812.8	0.0	SH 39
5572 - 4844	10	0	1145	99.6	0.0	41.4	0.0	0.0	0.0	41.4	0.0	854.1	0.0	SH 39
4844 - 4843	10	0	1872	99.6	0.0	67.7	0.0	0.0	0.0	67.7	0.0	921.8	0.0	SH 39
4843 - 5508	16	0	7	64.8	0.0	0.4	0.0	0.0	0.0	0.4	0.0	922.2	0.0	
5508 - 5507	10	0	862	99.7	0.0	31.1	0.0	0.0	0.0	31.1	0.0	953.3	0.0	SH 39
5507 - 5633	10	0	1115	99.7	0.0	40.3	0.0	0.0	0.0	40.3	0.0	993.6	0.0	SH 39
5633 - 5727	10	0	367	99.7	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1006.8	0.0	SH 39
5727 - 5868	10	0	1566	99.7	0.0	56.5	0.0	0.0	0.0	56.5	0.0	1063.4	0.0	SH 39
5868 - 5869	10	0	74	99.6	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1066.0	0.0	SH 39
5869 - 5870	10	0	1579	99.6	0.0	57.1	0.0	0.0	0.0	57.1	0.0	1123.1	0.0	SH 39
5870 - 2760	10	0	2223	99.6	0.0	80.3	0.0	0.0	0.0	80.3	0.0	1203.5	0.0	SH 39
2760 - 10237	17	0	413	74.3	0.0	20.0	0.0	0.0	0.0	20.0	0.0	1223.5	0.0	SH 39
10237 - 2759	6	0	322	59.1	0.0	19.6	0.0	0.0	0.0	19.6	0.0	1243.1	0.0	SH 39
2759 - 4501	6	0	175	59.1	0.0	10.7	0.0	1.0	0.0	11.7	0.0	1254.8	0.0	SH 39
4501 - 5871	10	0	1215	99.6	0.0	43.9	0.0	0.0	0.0	43.9	0.0	1298.7	0.0	SH 39
5871 - 5872	10	0	1923	99.6	0.0	69.5	0.0	0.0	0.0	69.5	0.0	1368.2	0.0	SH 39
5872 - 5873	10	0	948	99.7	0.0	34.2	0.0	0.0	0.0	34.2	0.0	1402.4	0.0	SH 39
5873 - 5875	10	0	471	99.7	0.0	17.0	0.0	0.0	0.0	17.0	0.0	1419.4	0.0	SH 39
5875 - 4694	10	0	1686	99.7	0.0	60.9	0.0	0.0	0.0	60.9	0.0	1480.3	0.0	SH 39
4694 - 4487	10	0	680	99.7	0.0	24.6	0.0	0.0	0.0	24.6	0.0	1504.8	0.0	SH 39
4487 - 5878	10	0	1027	99.7	0.0	37.1	0.0	0.0	0.0	37.1	0.0	1541.9	0.0	SH 39
5878 - 5877	10	0	832	99.6	0.0	30.1	0.0	0.0	0.0	30.1	0.0	1572.0	0.0	SH 39
5877 - 2729	10	0	2671	99.6	0.0	96.5	0.0	0.0	0.0	96.5	0.0	1668.5	0.0	SH 39
2729 - 4158	18	0	486	83.9	0.0	20.9	0.0	0.0	0.0	20.9	0.0	1689.4	0.0	SH 39
4158 - 6049	7	0	26	69.2	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1690.7	0.0	
6049 - 4570	6	0	219	59.2	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1704.1	0.0	SH 39
4570 - 10690	15	0	84	54.4	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1709.6	0.0	SH 39
10690 - 6153	15	0	138	54.4	0.0	9.1	0.0	0.0	0.0	9.1	0.0	1718.8	0.0	SH 39
6153 - 6453	15	0	224	54.4	0.0	14.8	0.0	1.0	0.0	15.8	0.0	1734.6	0.0	SH 39
6453 - 6144	15	0	229	54.4	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1749.7	0.0	SH 39
6144 - 6500	15	0	200	54.4	0.0	13.2	0.0	0.0	0.0	13.2	0.0	1763.0	0.0	SH 39
6500 - 4428	15	0	425	54.5	0.0	28.1	0.0	0.0	0.0	28.1	0.0	1791.0	0.0	BAFFIN STREET
4428 - 10732	15	0	1696	54.4	0.0	112.2	0.0	0.0	0.0	112.2	0.0	1903.3	0.0	SH 39
10732 - 8270	9	0	3044	89.2	0.0	122.9	0.0	0.0	0.0	122.9	0.0	2026.1	0.0	SH 39
8270 - 9936	9	0	8797	89.2	0.0	355.0	0.0	0.0	0.0	355.0	0.0	2381.2	0.0	SH 39
9936 - 9937	10	0	70	99.4	0.0	2.5	0.0	0.0	0.0	2.5	0.0	2383.7	0.0	SYMES ROAD
9937 - 9935	9	0	1900	88.9	0.0	76.9	0.0	0.0	0.0	76.9	0.0	2460.6	0.0	SH 31
9935 - 8269	10	0	4169	99.6	0.0	150.7	0.0	0.0	0.0	150.7	0.0	2611.3	0.0	SH 31
8269 - 10128	10	0	6024	99.5	0.0	218.0	0.0	0.8	0.0	218.8	0.0	2830.1	0.0	SH 31
Modelled Totals			68970	87.7		2802.3		27.8		2830.1				
Observed Totals					0.0		2901.0		4.9		2905.9			

```
Observed Journey Time =  2905.92     Implied Average Speed =  85.4
Modelled Journey Time =  2830.08    Modelled Average Speed =  87.7
                         97.39%                              102.68%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 31 Movement Analysis - times in seconds

R1NB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4926 - 3428	9 0	331	85.1	0.0	14.0	0.0	0.0	0.0	14.0	0.0	14.0	0.0	CAMBRIDGE ROAD
3428 - 3429	7 0	11	67.1	0.0	0.6	0.0	0.0	0.0	0.6	0.0	14.6	0.0	
3429 - 3586	7 0	102	67.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	20.1	0.0	CAMBRIDGE ROAD
3586 - 3587	7 0	80	67.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	24.3	0.0	CAMBRIDGE ROAD
3587 - 4157	6 0	145	56.5	0.0	9.2	0.0	0.0	0.0	9.2	0.0	33.6	0.0	CAMBRIDGE ROAD
4157 - 10700	6 0	84	56.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	39.0	0.0	CAMBRIDGE ROAD
10700 - 3072	6 0	153	56.3	0.0	9.8	0.0	0.0	0.0	9.8	0.0	48.7	0.0	CAMBRIDGE ROAD
3072 - 3076	6 3	124	56.4	0.0	7.9	0.0	20.0	0.0	27.9	0.0	76.7	0.0	CAMBRIDGE ROAD
3076 - 5202	6 3	315	55.2	0.0	20.5	0.0	9.0	0.0	29.5	0.0	106.2	0.0	CAMBRIDGE ROAD
5202 - 5140	6 0	26	55.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	107.9	0.0	COBHAM DRIVE
5140 - 5143	6 0	121	56.2	0.0	7.8	0.0	0.0	0.0	7.8	0.0	115.6	0.0	COBHAM DRIVE
5143 - 10699	6 0	136	56.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	124.3	0.0	COBHAM DRIVE
10699 - 4897	6 0	160	56.2	0.0	10.2	0.0	0.0	0.0	10.2	0.0	134.6	0.0	COBHAM DRIVE
4897 - 3421	8 0	667	76.5	0.0	31.4	0.0	0.0	0.0	31.4	0.0	166.0	0.0	COBHAM DRIVE
3421 - 3420	8 3	236	76.5	0.0	11.1	0.0	19.0	0.0	30.1	0.0	196.1	0.0	COBHAM DRIVE
3420 - 10642	8 0	129	75.9	0.0	6.1	0.0	0.0	0.0	6.1	0.0	202.2	0.0	COBHAM DRIVE
10642 - 3555	8 0	119	75.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	207.8	0.0	COBHAM DRIVE
3555 - 3435	8 0	171	75.9	0.0	8.1	0.0	0.0	0.0	8.1	0.0	215.9	0.0	COBHAM DRIVE
3435 - 3552	8 0	41	75.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	217.9	0.0	COBHAM DRIVE
3552 - 3436	8 0	99	76.4	0.0	4.7	0.0	5.0	0.0	9.7	0.0	227.6	0.0	COBHAM DRIVE
3436 - 3670	8 0	395	53.6	0.0	26.5	0.0	0.0	0.0	26.5	0.0	254.1	0.0	SH 1
3670 - 3509	5 0	204	10.2	0.0	72.0	0.0	0.0	0.0	72.0	0.0	326.1	0.0	COBHAM BRIDGE
3509 - 3099	5 0	429	45.1	0.0	34.2	0.0	0.0	0.0	34.2	0.0	360.3	0.0	COBHAM DRIVE
3099 - 3673	5 0	50	47.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	364.1	0.0	COBHAM DRIVE
3673 - 3674	5 0	49	47.4	0.0	3.7	0.0	0.0	0.0	3.7	0.0	367.9	0.0	COBHAM DRIVE
3674 - 3676	5 6	29	47.4	0.0	2.2	0.0	26.0	0.0	28.2	0.0	396.1	0.0	COBHAM DRIVE
3676 - 3677	7 0	131	68.1	0.0	6.9	0.0	0.0	0.0	6.9	0.0	403.0	0.0	COBHAM DRIVE
3677 - 9799	7 0	82	68.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	407.3	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	66.8	0.0	11.7	0.0	0.0	0.0	11.7	0.0	419.0	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	66.8	0.0	14.2	0.0	0.0	0.0	14.2	0.0	433.2	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	66.8	0.0	22.0	0.0	0.0	0.0	22.0	0.0	455.2	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	51.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	456.9	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	51.3	0.0	4.1	0.0	12.0	0.0	16.1	0.0	473.0	0.0	COBHAM DRIVE
3370 - 8195	5 0	99	47.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	480.4	0.0	COBHAM DRIVE
8195 - 3457	5 3	58	47.8	0.0	4.4	0.0	6.0	0.0	10.4	0.0	490.8	0.0	COBHAM DRIVE
3457 - 3768	5 0	21	48.6	0.0	1.6	0.0	0.0	0.0	1.6	0.0	492.4	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	48.6	0.0	3.5	0.0	0.0	0.0	3.5	0.0	495.8	0.0	ANGLESEA STREET
6689 - 7442	5 0	168	48.9	0.0	12.4	0.0	0.0	0.0	12.4	0.0	508.2	0.0	ANGLESEA STREET
7442 - 6685	5 0	82	48.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	514.3	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.2	0.0	1.5	0.0	33.0	0.0	34.5	0.0	548.9	0.0	
7072 - 8202	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	550.4	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	553.8	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	562.2	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.4	0.0	4.8	0.0	23.0	0.0	27.8	0.0	590.0	0.0	ANGLESEA STREET
7193 - 10461	5 0	54	49.1	0.0	4.0	0.0	0.0	0.0	4.0	0.0	593.9	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	49.2	0.0	4.8	0.0	0.0	0.0	4.8	0.0	598.8	0.0	ANGLESEA STREET
5382 - 2514	5 0	89	49.2	0.0	6.5	0.0	0.0	0.0	6.5	0.0	605.3	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	609.5	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.3	0.0	4.6	0.0	12.0	0.0	16.6	0.0	626.1	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.1	0.0	9.0	0.0	31.0	0.0	40.0	0.0	666.1	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.5	0.0	6.8	0.0	0.0	0.0	6.8	0.0	672.9	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.7	0.0	9.1	0.0	35.0	0.0	44.1	0.0	717.1	0.0	ANGLESEA STREET
6868 - 10466	15 0	127	54.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	725.5	0.0	ANGLESEA STREET
10466 - 3757	15 7	116	54.3	0.0	7.7	0.0	7.0	0.0	14.7	0.0	740.2	0.0	ANGLESEA STREET
3757 - 10467	15 0	207	54.2	0.0	13.7	0.0	0.0	0.0	13.7	0.0	754.0	0.0	ANGLESEA STREET
10467 - 3758	15 0	29	54.3	0.0	1.9	0.0	0.0	0.0	1.9	0.0	755.9	0.0	ANGLESEA STREET
3758 - 3131	15 0	12	54.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	756.7	0.0	
3131 - 3471	15 0	172	54.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	768.0	0.0	WILLOUGHBY STREET
3471 - 3469	15 6	12	54.5	0.0	0.8	0.0	48.0	0.0	48.8	0.0	816.8	0.0	
3469 - 8221	15 0	21	53.5	0.0	1.4	0.0	0.0	0.0	1.4	0.0	818.2	0.0	MILL STREET
8221 - 3470	15 0	107	53.5	0.0	7.2	0.0	0.0	0.0	7.2	0.0	825.4	0.0	MILL STREET
3470 - 3129	15 6	122	53.7	0.0	8.2	0.0	19.0	0.0	27.2	0.0	852.6	0.0	MILL STREET
3129 - 10509	5 0	146	49.3	0.0	10.7	0.0	0.0	0.0	10.7	0.0	863.3	0.0	ULSTER STREET
10509 - 6921	5 0	101	49.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	870.6	0.0	ULSTER STREET
6921 - 6920	15 0	205	54.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	884.2	0.0	ULSTER STREET
6920 - 4759	15 0	36	54.4	0.0	2.4	0.0	0.0	0.0	2.4	0.0	886.6	0.0	
4759 - 4760	15 0	511	53.9	0.0	34.1	0.0	0.0	0.0	34.1	0.0	920.7	0.0	ULSTER STREET
4760 - 6669	6 0	171	58.8	0.0	10.5	0.0	0.0	0.0	10.5	0.0	931.2	0.0	ULSTER STREET
6669 - 8225	6 0	276	58.9	0.0	16.9	0.0	0.0	0.0	16.9	0.0	948.1	0.0	ULSTER STREET
8225 - 6670	6 7	29	58.9	0.0	1.8	0.0	45.0	0.0	46.8	0.0	994.8	0.0	ULSTER STREET
6670 - 8222	6 0	26	57.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	996.5	0.0	TE RAPA ROAD
8222 - 6671	6 0	104	56.3	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1003.1	0.0	TE RAPA ROAD
6671 - 4991	6 0	70	56.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1007.6	0.0	TE RAPA ROAD
4991 - 4990	6 0	158	56.7	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1017.6	0.0	TE RAPA ROAD
4990 - 6726	6 0	93	56.7	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1023.5	0.0	TE RAPA ROAD
6726 - 10668	6 0	169	56.7	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1034.2	0.0	TE RAPA ROAD
10668 - 5111	6 0	73	56.7	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1038.9	0.0	TE RAPA ROAD
5111 - 7076	6 0	86	56.6	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1044.3	0.0	TE RAPA ROAD
7076 - 6865	6 0	81	56.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1049.5	0.0	TE RAPA ROAD
6865 - 3364	6 7	148	56.8	0.0	9.4	0.0	21.0	0.0	30.4	0.0	1079.9	0.0	TE RAPA ROAD
3364 - 3260	6 0	195	57.0	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1092.2	0.0	TE RAPA ROAD
3260 - 3330	6 6	109	57.0	0.0	6.9	0.0	12.0	0.0	18.9	0.0	1111.1	0.0	TE RAPA ROAD
3330 - 3327	6 0	183	57.3	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1122.6	0.0	TE RAPA ROAD
3327 - 6863	6 0	91	57.1	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1128.3	0.0	TE RAPA ROAD
6863 - 6674	6 0	156	57.2	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1138.1	0.0	TE RAPA ROAD
6674 - 10672	6 0	86	57.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1143.5	0.0	TE RAPA ROAD
10672 - 6673	6 3	178	57.3	0.0	11.2	0.0	11.0	0.0	22.2	0.0	1165.7	0.0	TE RAPA ROAD
6673 - 6864	6 0	428	58.4	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1192.1	0.0	TE RAPA ROAD
6864 - 6672	6 7	392	58.3	0.0	24.2	0.0	30.0	0.0	54.2	0.0	1246.3	0.0	TE RAPA ROAD

6672 -	3486	15	0	101	53.8	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1253.1	0.0	GREAT SOUTH ROAD
3486 -	3480	15	3	252	53.8	0.0	16.9	0.0	16.0	0.0	32.9	0.0	1285.9	0.0	GREAT SOUTH ROAD
3480 -	3488	15	0	176	51.6	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1298.2	0.0	GREAT SOUTH ROAD
3488 -	3514	15	0	163	51.6	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1309.6	0.0	GREAT SOUTH ROAD
3514 -	3501	15	3	180	51.6	0.0	12.6	0.0	8.0	0.0	20.6	0.0	1330.1	0.0	GREAT SOUTH ROAD
3501 -	3513	15	0	68	52.0	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1334.8	0.0	GREAT SOUTH ROAD
3513 -	3511	15	0	344	43.6	0.0	28.4	0.0	0.0	0.0	28.4	0.0	1363.2	0.0	GREAT SOUTH ROAD

Modelled Totals	13539	35.8	915.2	448.0	1363.2
Observed Totals		0.0	1233.2	145.6	1378.8

Observed Journey Time = 1378.79 Implied Average Speed = 35.4
Modelled Journey Time = 1363.23 Modelled Average Speed = 35.8
98.87% 101.14%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 32 Movement Analysis - times in seconds

R1SB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3504 - 3511	15	0	118	52.5	0.0	8.1	0.0	3.0	0.0	11.1	0.0	11.1	0.0	GREAT SOUTH ROAD
3511 - 3513	15	0	344	48.8	0.0	25.4	0.0	0.0	0.0	25.4	0.0	36.5	0.0	GREAT SOUTH ROAD
3513 - 3501	15	3	68	52.5	0.0	4.7	0.0	9.0	0.0	13.7	0.0	50.1	0.0	GREAT SOUTH ROAD
3501 - 3514	15	0	180	52.5	0.0	12.3	0.0	0.0	0.0	12.3	0.0	62.5	0.0	GREAT SOUTH ROAD
3514 - 3488	15	0	163	52.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	73.7	0.0	GREAT SOUTH ROAD
3488 - 3480	15	3	176	52.5	0.0	12.1	0.0	13.0	0.0	25.1	0.0	98.7	0.0	GREAT SOUTH ROAD
3480 - 3486	15	0	252	53.2	0.0	17.1	0.0	0.0	0.0	17.1	0.0	115.8	0.0	GREAT SOUTH ROAD
3486 - 6672	15	7	101	53.7	0.0	6.8	0.0	31.0	0.0	37.8	0.0	153.5	0.0	GREAT SOUTH ROAD
6672 - 6864	6	0	392	57.7	0.0	24.5	0.0	0.0	0.0	24.5	0.0	178.0	0.0	TE RAPA ROAD
6864 - 6673	6	3	428	58.5	0.0	26.3	0.0	11.0	0.0	37.3	0.0	215.3	0.0	TE RAPA ROAD
6673 - 10672	6	0	178	58.3	0.0	11.0	0.0	0.0	0.0	11.0	0.0	226.3	0.0	TE RAPA ROAD
10672 - 6674	6	0	86	58.5	0.0	5.3	0.0	0.0	0.0	5.3	0.0	231.6	0.0	TE RAPA ROAD
6674 - 6863	6	0	156	58.5	0.0	9.6	0.0	0.0	0.0	9.6	0.0	241.2	0.0	TE RAPA ROAD
6863 - 3327	6	0	91	58.5	0.0	5.6	0.0	0.0	0.0	5.6	0.0	246.8	0.0	TE RAPA ROAD
3327 - 3330	6	6	183	58.9	0.0	11.2	0.0	54.0	0.0	65.2	0.0	312.0	0.0	TE RAPA ROAD
3330 - 3260	6	0	109	59.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	318.7	0.0	TE RAPA ROAD
3260 - 3364	6	7	195	59.0	0.0	11.9	0.0	43.0	0.0	54.9	0.0	373.6	0.0	TE RAPA ROAD
3364 - 6865	6	0	148	58.9	0.0	9.0	0.0	0.0	0.0	9.0	0.0	382.6	0.0	TE RAPA ROAD
6865 - 7076	6	0	81	58.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	387.6	0.0	TE RAPA ROAD
7076 - 5111	6	0	86	58.7	0.0	5.3	0.0	0.0	0.0	5.3	0.0	392.8	0.0	TE RAPA ROAD
5111 - 10668	6	0	73	58.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	397.3	0.0	TE RAPA ROAD
10668 - 6726	6	0	169	58.8	0.0	10.3	0.0	0.0	0.0	10.3	0.0	407.6	0.0	TE RAPA ROAD
6726 - 4990	6	0	93	58.5	0.0	5.7	0.0	0.0	0.0	5.7	0.0	413.4	0.0	TE RAPA ROAD
4990 - 4991	6	0	158	58.6	0.0	9.7	0.0	0.0	0.0	9.7	0.0	423.1	0.0	TE RAPA ROAD
4991 - 6671	6	0	70	58.6	0.0	4.3	0.0	0.0	0.0	4.3	0.0	427.4	0.0	TE RAPA ROAD
6671 - 8222	6	0	104	57.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	433.9	0.0	TE RAPA ROAD
8222 - 6670	6	7	26	57.6	0.0	1.6	0.0	44.0	0.0	45.6	0.0	479.5	0.0	TE RAPA ROAD
6670 - 8225	6	0	29	58.8	0.0	1.8	0.0	0.0	0.0	1.8	0.0	481.3	0.0	ULSTER STREET
8225 - 6669	6	0	276	58.4	0.0	17.0	0.0	0.0	0.0	17.0	0.0	498.3	0.0	ULSTER STREET
6669 - 4760	6	0	171	58.3	0.0	10.6	0.0	0.0	0.0	10.6	0.0	508.8	0.0	ULSTER STREET
4760 - 4759	15	0	511	53.3	0.0	34.5	0.0	0.0	0.0	34.5	0.0	543.4	0.0	ULSTER STREET
4759 - 6920	15	0	36	53.6	0.0	2.4	0.0	0.0	0.0	2.4	0.0	545.8	0.0	
6920 - 6921	15	0	205	53.7	0.0	13.7	0.0	0.0	0.0	13.7	0.0	559.5	0.0	ULSTER STREET
6921 - 10509	5	0	101	48.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	567.1	0.0	ULSTER STREET
10509 - 3129	5	7	146	48.2	0.0	10.9	0.0	51.0	0.0	61.9	0.0	629.0	0.0	ULSTER STREET
3129 - 3470	15	0	122	51.9	0.0	8.5	0.0	0.0	0.0	8.5	0.0	637.4	0.0	MILL STREET
3470 - 8221	15	0	107	52.1	0.0	7.4	0.0	0.0	0.0	7.4	0.0	644.8	0.0	MILL STREET
8221 - 3469	15	6	21	52.5	0.0	1.4	0.0	0.0	0.0	1.4	0.0	646.3	0.0	MILL STREET
3469 - 3471	15	0	12	54.2	0.0	0.8	0.0	0.0	0.0	0.8	0.0	647.1	0.0	
3471 - 3131	15	0	172	53.4	0.0	11.6	0.0	0.0	0.0	11.6	0.0	658.7	0.0	WILLOUGHBY STREET
3131 - 3758	15	0	12	53.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	659.5	0.0	
3758 - 10467	15	0	29	53.6	0.0	1.9	0.0	0.0	0.0	1.9	0.0	661.4	0.0	ANGLESEA STREET
10467 - 3757	15	7	207	53.8	0.0	13.9	0.0	18.0	0.0	31.9	0.0	693.3	0.0	ANGLESEA STREET
3757 - 10466	15	0	116	53.8	0.0	7.8	0.0	0.0	0.0	7.8	0.0	701.0	0.0	ANGLESEA STREET
10466 - 6868	15	7	127	54.0	0.0	8.5	0.0	18.0	0.0	26.5	0.0	727.5	0.0	ANGLESEA STREET
6868 - 10463	15	0	139	53.6	0.0	9.3	0.0	0.0	0.0	9.3	0.0	736.8	0.0	ANGLESEA STREET
10463 - 7069	15	6	103	53.9	0.0	6.9	0.0	32.0	0.0	38.9	0.0	775.7	0.0	ANGLESEA STREET
7069 - 5384	5	7	123	49.2	0.0	9.0	0.0	12.0	0.0	21.0	0.0	796.7	0.0	ANGLESEA STREET
5384 - 5383	5	0	63	49.2	0.0	4.6	0.0	0.0	0.0	4.6	0.0	801.3	0.0	ANGLESEA STREET
5383 - 2514	5	0	58	49.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	805.6	0.0	ANGLESEA STREET
2514 - 5382	5	0	89	49.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	812.1	0.0	ANGLESEA STREET
5382 - 10461	5	0	66	49.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	816.9	0.0	ANGLESEA STREET
10461 - 7193	5	7	54	49.5	0.0	3.9	0.0	23.0	0.0	26.9	0.0	843.8	0.0	ANGLESEA STREET
7193 - 10474	5	0	66	49.2	0.0	4.8	0.0	0.0	0.0	4.8	0.0	848.6	0.0	ANGLESEA STREET
10474 - 2513	5	0	115	49.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	857.0	0.0	ANGLESEA STREET
2513 - 8202	5	0	46	49.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	860.3	0.0	ANGLESEA STREET
8202 - 7072	5	6	21	49.7	0.0	1.5	0.0	32.0	0.0	33.5	0.0	893.8	0.0	ANGLESEA STREET
7072 - 6685	5	0	21	49.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	895.4	0.0	
6685 - 7442	5	0	82	49.6	0.0	6.0	0.0	0.0	0.0	6.0	0.0	901.3	0.0	ANGLESEA STREET
7442 - 6689	5	0	168	49.7	0.0	12.2	0.0	0.0	0.0	12.2	0.0	913.5	0.0	ANGLESEA STREET
6689 - 3768	5	0	47	49.7	0.0	3.4	0.0	0.0	0.0	3.4	0.0	916.9	0.0	ANGLESEA STREET
3768 - 3457	5	3	21	49.7	0.0	1.5	0.0	13.0	0.0	14.5	0.0	931.4	0.0	ANGLESEA STREET
3457 - 8195	5	0	58	48.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	935.7	0.0	COBHAM DRIVE
8195 - 8194	5	2	127	48.2	0.0	9.5	0.0	5.0	0.0	14.5	0.0	950.2	0.0	COBHAM DRIVE
8194 - 3936	15	0	24	53.6	0.0	1.6	0.0	0.0	0.0	1.6	0.0	951.8	0.0	COBHAM DRIVE
3936 - 3672	7	0	408	68.6	0.0	21.4	0.0	0.0	0.0	21.4	0.0	973.2	0.0	COBHAM DRIVE
3672 - 10483	7	0	264	68.6	0.0	13.9	0.0	0.0	0.0	13.9	0.0	987.1	0.0	COBHAM DRIVE
10483 - 3677	7	0	298	68.6	0.0	15.6	0.0	0.0	0.0	15.6	0.0	1002.7	0.0	COBHAM DRIVE
3677 - 3676	7	6	131	68.6	0.0	6.9	0.0	13.0	0.0	19.9	0.0	1022.6	0.0	COBHAM DRIVE
3676 - 3674	5	0	29	46.9	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1024.8	0.0	COBHAM DRIVE
3674 - 3673	5	0	49	46.9	0.0	3.8	0.0	3.0	0.0	6.8	0.0	1031.6	0.0	COBHAM DRIVE
3673 - 3099	5	0	50	42.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1035.8	0.0	COBHAM DRIVE
3099 - 3509	5	0	429	42.9	0.0	36.0	0.0	0.0	0.0	36.0	0.0	1071.8	0.0	COBHAM DRIVE
3509 - 3670	5	0	204	42.9	0.0	17.1	0.0	0.0	0.0	17.1	0.0	1088.9	0.0	COBHAM BRIDGE
3670 - 3436	8	0	395	77.8	0.0	18.3	0.0	0.0	0.0	18.3	0.0	1107.2	0.0	SH 1
3436 - 3552	8	0	99	77.8	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1111.7	0.0	COBHAM DRIVE
3552 - 3435	8	0	41	77.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	1113.6	0.0	COBHAM DRIVE
3435 - 3555	8	0	171	77.5	0.0	7.9	0.0	0.0	0.0	7.9	0.0	1121.6	0.0	COBHAM DRIVE
3555 - 10642	8	0	119	77.5	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1127.1	0.0	COBHAM DRIVE
10642 - 3420	8	3	129	77.5	0.0	6.0	0.0	15.0	0.0	21.0	0.0	1148.1	0.0	COBHAM DRIVE
3420 - 3421	8	0	236	78.0	0.0	10.9	0.0	0.0	0.0	10.9	0.0	1159.0	0.0	COBHAM DRIVE
3421 - 4897	8	0	667	78.0	0.0	30.8	0.0	0.0	0.0	30.8	0.0	1189.8	0.0	COBHAM DRIVE
4897 - 10699	6	0	160	57.8	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1199.8	0.0	COBHAM DRIVE
10699 - 5143	6	0	136	57.8	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1208.2	0.0	COBHAM DRIVE
5143 - 5140	6	0	121	57.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1215.8	0.0	COBHAM DRIVE
5140 - 5202	6	3	26	57.8	0.0	1.6	0.0	16.0	0.0	17.6	0.0	1233.4	0.0	COBHAM DRIVE
5202 - 3076	6	3	315	57.1	0.0	19.9	0.0	14.0	0.0	33.9	0.0	1267.2	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	57.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1274.9	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	57.9	0.0	9.5	0.0	3.0	0.0	12.5	0.0	1287.5	0.0	CAMBRIDGE ROAD

10700 -	4157	6	0	84	56.0	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1292.9	0.0	CAMBRIDGE ROAD
4157 -	3587	6	0	145	56.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	1302.2	0.0	CAMBRIDGE ROAD
3587 -	3586	7	0	80	66.8	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1306.5	0.0	CAMBRIDGE ROAD
3586 -	3429	7	0	102	66.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1312.0	0.0	CAMBRIDGE ROAD
3429 -	3428	7	0	11	66.9	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1312.6	0.0	

Modelled Totals	13295	36.5	836.6	476.0	1312.6	
Observed Totals		0.0	1106.8	118.1	1224.9	

Observed Journey Time =	1224.94	Implied Average Speed =	39.1
Modelled Journey Time =	1312.58	Modelled Average Speed =	36.5
	107.15%		93.32%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 33 Movement Analysis - times in seconds

R2EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3770 - 4763	15	0	143	35.2	0.0	14.6	0.0	0.0	0.0	14.6	0.0	14.6	0.0	SH 3
4763 - 4764	15	0	42	35.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	18.9	0.0	SH 3
4764 - 4762	15	0	30	16.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	25.6	0.0	SH 3
4762 - 4761	15	0	98	18.9	0.0	18.7	0.0	0.0	0.0	18.7	0.0	44.3	0.0	SH 3
4761 - 4393	15	6	105	18.9	0.0	20.0	0.0	20.0	0.0	40.0	0.0	84.3	0.0	SH 3
4393 - 8248	6	0	22	48.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	85.9	0.0	SH 1
8248 - 2531	6	0	68	48.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	91.0	0.0	SH 1
2531 - 4514	6	0	57	51.3	0.0	4.0	0.0	0.0	0.0	4.0	0.0	95.0	0.0	SH 1
4514 - 6683	6	0	108	52.0	0.0	7.5	0.0	0.0	0.0	7.5	0.0	102.5	0.0	KAHIKATEA DRIVE
6683 - 5351	7	0	181	64.0	0.0	10.2	0.0	0.0	0.0	10.2	0.0	112.7	0.0	KAHIKATEA DRIVE
5351 - 5251	7	0	88	64.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	117.6	0.0	KAHIKATEA DRIVE
5251 - 5253	7	0	58	64.0	0.0	3.3	0.0	0.0	0.0	3.3	0.0	120.9	0.0	KAHIKATEA DRIVE
5253 - 3683	7	0	68	64.0	0.0	3.8	0.0	0.0	0.0	3.8	0.0	124.7	0.0	KAHIKATEA DRIVE
3683 - 10639	7	0	64	64.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	128.3	0.0	KAHIKATEA DRIVE
10639 - 5323	7	0	118	64.0	0.0	6.6	0.0	0.0	0.0	6.6	0.0	135.0	0.0	KAHIKATEA DRIVE
5323 - 4709	7	0	235	63.5	0.0	13.3	0.0	0.0	0.0	13.3	0.0	148.3	0.0	KAHIKATEA DRIVE
4709 - 3175	7	0	293	64.6	0.0	16.3	0.0	0.0	0.0	16.3	0.0	164.6	0.0	SH 1
3175 - 4793	7	0	230	64.6	0.0	12.8	0.0	0.0	0.0	12.8	0.0	177.4	0.0	SH 1
4793 - 5194	7	0	84	64.6	0.0	4.7	0.0	0.0	0.0	4.7	0.0	182.1	0.0	KAHIKATEA DRIVE
5194 - 6938	7	0	80	64.9	0.0	4.4	0.0	2.0	0.0	6.4	0.0	188.5	0.0	KAHIKATEA DRIVE
6938 - 3917	7	0	117	65.1	0.0	6.5	0.0	0.0	0.0	6.5	0.0	195.0	0.0	KAHIKATEA DRIVE
3917 - 3177	8	0	321	75.8	0.0	15.2	0.0	0.0	0.0	15.2	0.0	210.3	0.0	GREENWOOD STREET
3177 - 10650	8	0	417	76.2	0.0	19.7	0.0	0.0	0.0	19.7	0.0	230.0	0.0	GREENWOOD STREET
10650 - 4758	8	0	239	76.3	0.0	11.3	0.0	0.0	0.0	11.3	0.0	241.2	0.0	GREENWOOD STREET
4758 - 4757	8	3	158	76.3	0.0	7.5	0.0	17.0	0.0	24.5	0.0	265.7	0.0	GREENWOOD STREET
4757 - 3377	8	0	342	78.4	0.0	15.7	0.0	0.0	0.0	15.7	0.0	281.4	0.0	GREENWOOD STREET
3377 - 8210	8	0	299	78.5	0.0	13.7	0.0	0.0	0.0	13.7	0.0	295.1	0.0	GREENWOOD STREET
8210 - 3376	5	6	18	47.9	0.0	1.4	0.0	36.0	0.0	37.4	0.0	332.5	0.0	GREENWOOD STREET
3376 - 8211	5	0	16	48.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	333.6	0.0	LINCOLN STREET
8211 - 4755	7	0	37	68.7	0.0	1.9	0.0	0.0	0.0	1.9	0.0	335.6	0.0	LINCOLN STREET
4755 - 4756	8	0	69	78.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	338.7	0.0	LINCOLN STREET
4756 - 10496	8	0	102	77.8	0.0	4.7	0.0	0.0	0.0	4.7	0.0	343.5	0.0	LINCOLN STREET
10496 - 4988	8	0	175	77.8	0.0	8.1	0.0	0.0	0.0	8.1	0.0	351.6	0.0	LINCOLN STREET
4988 - 8207	8	0	115	78.0	0.0	5.3	0.0	0.0	0.0	5.3	0.0	356.9	0.0	LINCOLN STREET
8207 - 10497	8	0	78	78.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	360.5	0.0	LINCOLN STREET
10497 - 3455	8	0	226	78.0	0.0	10.4	0.0	0.0	0.0	10.4	0.0	370.9	0.0	LINCOLN STREET
3455 - 3456	8	6	117	78.0	0.0	5.4	0.0	80.0	0.0	85.4	0.0	456.3	0.0	LINCOLN STREET
3456 - 8206	15	0	21	50.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	457.8	0.0	LINCOLN STREET
8206 - 3266	7	0	198	62.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	469.2	0.0	LINCOLN STREET
3266 - 3267	7	0	117	62.5	0.0	6.7	0.0	0.0	0.0	6.7	0.0	475.9	0.0	LINCOLN STREET
3267 - 3476	7	6	57	62.5	0.0	3.3	0.0	32.0	0.0	35.3	0.0	511.2	0.0	LINCOLN STREET
3476 - 10530	7	0	135	62.1	0.0	7.8	0.0	0.0	0.0	7.8	0.0	519.0	0.0	AVALON DRIVE
10530 - 2657	7	0	103	62.1	0.0	6.0	0.0	0.0	0.0	6.0	0.0	525.0	0.0	AVALON DRIVE
2657 - 10657	7	0	109	61.2	0.0	6.4	0.0	0.0	0.0	6.4	0.0	531.4	0.0	AVALON DRIVE
10657 - 4911	7	0	98	61.2	0.0	5.8	0.0	0.0	0.0	5.8	0.0	537.2	0.0	AVALON DRIVE
4911 - 6657	7	0	224	62.2	0.0	13.0	0.0	0.0	0.0	13.0	0.0	550.1	0.0	AVALON DRIVE
6657 - 2577	8	0	127	73.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	556.4	0.0	AVALON DRIVE
2577 - 6658	8	0	118	73.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	562.2	0.0	AVALON DRIVE
6658 - 6661	8	0	151	72.6	0.0	7.5	0.0	0.0	0.0	7.5	0.0	569.7	0.0	AVALON DRIVE
6661 - 2525	8	0	141	70.1	0.0	7.2	0.0	0.0	0.0	7.2	0.0	576.9	0.0	AVALON DRIVE
2525 - 2574	8	0	79	71.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	580.9	0.0	SH1
2574 - 10426	8	0	105	72.2	0.0	5.2	0.0	0.0	0.0	5.2	0.0	586.1	0.0	SH1
10426 - 2519	8	0	185	69.5	0.0	9.6	0.0	0.0	0.0	9.6	0.0	595.7	0.0	SH1
2519 - 10660	8	0	71	61.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	599.9	0.0	SH 1
10660 - 2518	8	0	110	61.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	606.3	0.0	SH 1
2518 - 10664	8	0	530	65.1	0.0	29.3	0.0	0.0	0.0	29.3	0.0	635.7	0.0	AVALON DRIVE
10664 - 3285	8	0	195	69.2	0.0	10.1	0.0	0.0	0.0	10.1	0.0	645.8	0.0	AVALON DRIVE
3285 - 10428	8	0	149	71.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	653.3	0.0	AVALON DRIVE
10428 - 5113	8	0	491	72.3	0.0	24.4	0.0	0.0	0.0	24.4	0.0	677.7	0.0	AVALON DRIVE
5113 - 6660	17	0	42	65.5	0.0	2.3	0.0	0.0	0.0	2.3	0.0	680.0	0.0	AVALON DRIVE
6660 - 3483	8	0	785	74.8	0.0	37.8	0.0	0.0	0.0	37.8	0.0	717.8	0.0	AVALON DRIVE
3483 - 3480	8	3	151	77.3	0.0	7.0	0.0	21.0	0.0	28.0	0.0	745.8	0.0	AVALON DRIVE
3480 - 3487	8	0	197	78.9	0.0	9.0	0.0	0.0	0.0	9.0	0.0	754.8	0.0	WAIRERE DRIVE
3487 - 3648	8	0	93	77.8	0.0	4.3	0.0	0.0	0.0	4.3	0.0	759.1	0.0	WAIRERE DRIVE
3648 - 3644	8	3	109	78.9	0.0	5.0	0.0	17.0	0.0	22.0	0.0	781.1	0.0	WAIRERE DRIVE
3644 - 3939	8	0	107	78.1	0.0	4.9	0.0	3.0	0.0	7.9	0.0	789.0	0.0	WAIRERE DRIVE
3939 - 10675	8	0	546	76.3	0.0	25.8	0.0	0.0	0.0	25.8	0.0	814.8	0.0	WAIRERE DRIVE
10675 - 3652	8	0	761	76.3	0.0	35.9	0.0	0.0	0.0	35.9	0.0	850.7	0.0	WAIRERE DRIVE
3652 - 3526	8	3	117	76.3	0.0	5.5	0.0	17.0	0.0	22.5	0.0	873.2	0.0	WAIRERE DRIVE
3526 - 3502	8	4	563	77.5	0.0	26.2	0.0	12.0	0.0	38.2	0.0	911.4	0.0	WAIRERE DRIVE
3502 - 3503	6	0	65	58.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	915.4	0.0	-- no name --
3503 - 3505	6	0	63	57.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	919.3	0.0	-- no name --
3505 - 3543	8	0	133	78.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	925.4	0.0	WAIRERE DRIVE
3543 - 3563	8	0	1004	78.4	0.0	46.1	0.0	0.0	0.0	46.1	0.0	971.5	0.0	WAIRERE DRIVE
3563 - 3558	7	3	112	69.0	0.0	5.8	0.0	15.0	0.0	20.8	0.0	992.4	0.0	WAIRERE DRIVE
3558 - 3562	5	0	95	47.2	0.0	7.2	0.0	3.0	0.0	10.2	0.0	1002.6	0.0	HUKANUI ROAD
3562 - 4783	5	0	55	44.3	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1007.1	0.0	HUKANUI ROAD
4783 - 7279	5	0	78	45.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1013.3	0.0	HUKANUI ROAD
7279 - 7278	5	0	114	45.2	0.0	9.1	0.0	0.0	0.0	9.1	0.0	1022.4	0.0	HUKANUI ROAD
7278 - 7144	5	0	243	46.0	0.0	19.0	0.0	0.0	0.0	19.0	0.0	1041.4	0.0	HUKANUI ROAD
7144 - 6963	5	0	47	46.0	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1045.1	0.0	HUKANUI ROAD
6963 - 2979	5	0	55	46.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1049.4	0.0	HUKANUI ROAD
2979 - 3446	5	0	307	46.5	0.0	23.8	0.0	0.0	0.0	23.8	0.0	1073.1	0.0	HUKANUI ROAD
3446 - 2991	5	0	143	46.4	0.0	11.1	0.0	0.0	0.0	11.1	0.0	1084.2	0.0	HUKANUI ROAD
2991 - 6872	5	0	57	46.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1088.7	0.0	HUKANUI ROAD
6872 - 10401	5	0	365	46.2	0.0	28.4	0.0	0.0	0.0	28.4	0.0	1117.1	0.0	HUKANUI ROAD
10401 - 6870	5	0	37	46.5	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1120.0	0.0	HUKANUI ROAD
6870 - 7140	5	0	98	45.6	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1127.7	0.0	HUKANUI ROAD
7140 - 7137	5	0	263	45.7	0.0	20.7	0.0	0.0	0.0	20.7	0.0	1148.5	0.0	HUKANUI ROAD

7137 -	3710	5	0	343	45.8	0.0	27.0	0.0	0.0	0.0	27.0	0.0	1175.4	0.0	
3710 -	6691	5	3	127	45.8	0.0	10.0	0.0	9.0	0.0	19.0	0.0	1194.4	0.0	HUKANUI ROAD
6691 -	6693	14	0	98	40.9	0.0	8.6	0.0	0.0	0.0	8.6	0.0	1203.0	0.0	PEACHGROVE ROAD
6693 -	4151	14	0	132	40.9	0.0	11.6	0.0	0.0	0.0	11.6	0.0	1214.6	0.0	PEACHGROVE ROAD
4151 -	4998	14	0	261	41.1	0.0	22.9	0.0	0.0	0.0	22.9	0.0	1237.5	0.0	PEACHGROVE ROAD
4998 -	6760	14	0	138	41.0	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1249.6	0.0	PEACHGROVE ROAD
6760 -	5197	14	0	199	40.9	0.0	17.5	0.0	3.0	0.0	20.5	0.0	1270.1	0.0	PEACHGROVE ROAD
5197 -	4975	14	0	180	40.8	0.0	15.9	0.0	1.0	0.0	16.9	0.0	1287.0	0.0	PEACHGROVE ROAD
4975 -	6862	14	0	59	40.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	1292.2	0.0	PEACHGROVE ROAD
6862 -	4927	14	0	54	40.2	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1297.1	0.0	PEACHGROVE ROAD
4927 -	3437	14	0	139	40.2	0.0	12.4	0.0	0.0	0.0	12.4	0.0	1309.5	0.0	PEACHGROVE ROAD
3437 -	3439	14	3	18	40.2	0.0	1.6	0.0	8.0	0.0	9.6	0.0	1319.1	0.0	PEACHGROVE ROAD
3439 -	3007	14	0	135	40.9	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1331.0	0.0	PEACHGROVE ROAD
3007 -	6925	14	0	127	41.3	0.0	11.1	0.0	0.0	0.0	11.1	0.0	1342.1	0.0	PEACHGROVE ROAD
6925 -	4107	14	0	307	41.2	0.0	26.8	0.0	0.0	0.0	26.8	0.0	1368.9	0.0	PEACHGROVE ROAD
4107 -	5318	14	0	113	41.2	0.0	9.9	0.0	2.0	0.0	11.9	0.0	1380.8	0.0	PEACHGROVE ROAD
5318 -	8205	14	0	86	38.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1388.7	0.0	PEACHGROVE ROAD
8205 -	8203	14	0	46	38.9	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1393.0	0.0	PEACHGROVE ROAD
8203 -	10556	14	0	58	38.9	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1398.4	0.0	PEACHGROVE ROAD
10556 -	8240	14	0	143	39.2	0.0	13.1	0.0	0.0	0.0	13.1	0.0	1411.5	0.0	PEACHGROVE ROAD
8240 -	3367	14	6	39	42.4	0.0	3.3	0.0	11.0	0.0	14.3	0.0	1425.8	0.0	PEACHGROVE ROAD
3367 -	7454	14	0	77	42.2	0.0	6.6	0.0	1.0	0.0	7.6	0.0	1433.4	0.0	PEACHGROVE ROAD
7454 -	5086	14	0	133	42.2	0.0	11.3	0.0	1.0	0.0	12.3	0.0	1445.7	0.0	PEACHGROVE ROAD
5086 -	5085	14	0	95	42.2	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1453.8	0.0	PEACHGROVE ROAD
5085 -	5087	14	0	41	42.2	0.0	3.5	0.0	3.0	0.0	6.5	0.0	1460.3	0.0	PEACHGROVE ROAD
5087 -	10647	14	0	160	42.1	0.0	13.7	0.0	0.0	0.0	13.7	0.0	1474.0	0.0	PEACHGROVE ROAD
10647 -	5316	14	0	99	42.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1482.4	0.0	PEACHGROVE ROAD
5316 -	3055	14	0	83	42.3	0.0	7.1	0.0	1.0	0.0	8.1	0.0	1490.5	0.0	PEACHGROVE ROAD
3055 -	5084	14	0	183	42.3	0.0	15.6	0.0	0.0	0.0	15.6	0.0	1506.1	0.0	PEACHGROVE ROAD
5084 -	3058	14	0	182	42.4	0.0	15.5	0.0	0.0	0.0	15.5	0.0	1521.5	0.0	PEACHGROVE ROAD
3058 -	8236	14	0	37	42.4	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1524.7	0.0	PEACHGROVE ROAD
8236 -	3057	14	7	31	42.4	0.0	2.6	0.0	9.0	0.0	11.6	0.0	1536.3	0.0	PEACHGROVE ROAD
3057 -	8239	14	0	26	43.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1538.4	0.0	GALLOWAY STREET
8239 -	6723	14	0	232	43.4	0.0	19.2	0.0	0.0	0.0	19.2	0.0	1557.7	0.0	GALLOWAY STREET
6723 -	10644	14	0	98	43.1	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1565.9	0.0	GALLOWAY STREET
10644 -	6722	14	0	106	43.2	0.0	8.8	0.0	0.0	0.0	8.8	0.0	1574.7	0.0	GALLOWAY STREET
6722 -	5120	14	0	92	43.1	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1582.4	0.0	GALLOWAY STREET
5120 -	5119	14	0	32	43.0	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1585.1	0.0	
5119 -	5121	14	0	121	43.0	0.0	10.1	0.0	0.0	0.0	10.1	0.0	1595.2	0.0	GALLOWAY STREET
5121 -	7895	14	0	155	43.0	0.0	13.0	0.0	0.0	0.0	13.0	0.0	1608.2	0.0	GALLOWAY STREET
7895 -	7894	14	7	91	43.0	0.0	7.6	0.0	36.0	0.0	43.6	0.0	1651.8	0.0	GALLOWAY STREET
7894 -	7897	14	0	240	43.9	0.0	19.7	0.0	1.0	0.0	20.7	0.0	1672.5	0.0	GALLOWAY STREET
7897 -	8676	14	0	128	43.4	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1683.1	0.0	GALLOWAY STREET
8676 -	3420	14	3	112	43.4	0.0	9.3	0.0	16.9	0.0	26.2	0.0	1709.3	0.0	GALLOWAY STREET

Modelled Totals	20693	43.6	1331.4	377.9	1709.3
Observed Totals		0.0	1689.7	147.9	1837.5

Observed Journey Time = 1837.55 Implied Average Speed = 40.5
Modelled Journey Time = 1709.29 Modelled Average Speed = 43.6
93.02% 107.50%

```
+-------------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter    |
|                                                                       Christchurch, N.Z.  |
+-------------------------------------------------------------------------------------------+

Journey 34 Movement Analysis - times in seconds

R2WB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3420 - 8676	14	0	112	43.6	0.0	9.2	0.0	0.0	0.0	9.2	0.0	9.2	0.0	GALLOWAY STREET
8676 - 7897	14	0	128	43.6	0.0	10.6	0.0	1.0	0.0	11.6	0.0	20.8	0.0	GALLOWAY STREET
7897 - 7894	14	7	240	44.6	0.0	19.4	0.0	28.0	0.0	47.4	0.0	68.2	0.0	GALLOWAY STREET
7894 - 7895	14	0	91	42.4	0.0	7.7	0.0	0.0	0.0	7.7	0.0	75.9	0.0	GALLOWAY STREET
7895 - 5121	14	0	155	42.4	0.0	13.2	0.0	0.0	0.0	13.2	0.0	89.1	0.0	GALLOWAY STREET
5121 - 5119	14	0	121	42.3	0.0	10.3	0.0	0.0	0.0	10.3	0.0	99.4	0.0	GALLOWAY STREET
5119 - 5120	14	0	32	42.1	0.0	2.7	0.0	0.0	0.0	2.7	0.0	102.1	0.0	
5120 - 6722	14	0	92	41.8	0.0	7.9	0.0	1.0	0.0	8.9	0.0	111.0	0.0	GALLOWAY STREET
6722 - 10644	14	0	106	41.9	0.0	9.1	0.0	0.0	0.0	9.1	0.0	120.1	0.0	GALLOWAY STREET
10644 - 6723	14	0	98	41.6	0.0	8.5	0.0	1.0	0.0	9.5	0.0	129.6	0.0	GALLOWAY STREET
6723 - 8239	14	0	232	41.7	0.0	20.0	0.0	0.0	0.0	20.0	0.0	149.7	0.0	GALLOWAY STREET
8239 - 3057	14	7	26	41.7	0.0	2.2	0.0	10.0	0.0	12.2	0.0	161.9	0.0	GALLOWAY STREET
3057 - 8236	14	0	31	42.6	0.0	2.6	0.0	0.0	0.0	2.6	0.0	164.5	0.0	PEACHGROVE ROAD
8236 - 3058	14	0	37	41.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	167.7	0.0	PEACHGROVE ROAD
3058 - 5084	14	0	182	41.5	0.0	15.8	0.0	0.0	0.0	15.8	0.0	183.5	0.0	PEACHGROVE ROAD
5084 - 3055	14	0	183	41.3	0.0	16.0	0.0	2.0	0.0	18.0	0.0	201.5	0.0	PEACHGROVE ROAD
3055 - 5316	14	0	83	42.1	0.0	7.1	0.0	1.0	0.0	8.1	0.0	209.6	0.0	PEACHGROVE ROAD
5316 - 10647	14	0	99	42.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	218.0	0.0	PEACHGROVE ROAD
10647 - 5087	14	0	160	42.2	0.0	13.6	0.0	2.0	0.0	15.6	0.0	233.7	0.0	PEACHGROVE ROAD
5087 - 5085	14	0	41	42.6	0.0	3.5	0.0	1.0	0.0	4.5	0.0	238.1	0.0	PEACHGROVE ROAD
5085 - 5086	14	0	95	42.6	0.0	8.0	0.0	0.0	0.0	8.0	0.0	246.2	0.0	PEACHGROVE ROAD
5086 - 7454	14	0	133	42.6	0.0	11.2	0.0	0.0	0.0	11.2	0.0	257.4	0.0	PEACHGROVE ROAD
7454 - 3367	14	6	77	42.6	0.0	6.5	0.0	10.0	0.0	16.5	0.0	273.9	0.0	PEACHGROVE ROAD
3367 - 8240	14	0	39	38.1	0.0	3.7	0.0	0.0	0.0	3.7	0.0	277.6	0.0	PEACHGROVE ROAD
8240 - 10556	14	0	143	38.1	0.0	13.5	0.0	0.0	0.0	13.5	0.0	291.1	0.0	PEACHGROVE ROAD
10556 - 8203	14	0	58	38.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	296.5	0.0	PEACHGROVE ROAD
8203 - 8205	14	0	46	38.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	300.8	0.0	PEACHGROVE ROAD
8205 - 5318	14	0	86	38.5	0.0	8.0	0.0	2.0	0.0	10.0	0.0	310.9	0.0	PEACHGROVE ROAD
5318 - 4107	14	0	113	40.6	0.0	10.0	0.0	0.0	0.0	10.0	0.0	320.9	0.0	PEACHGROVE ROAD
4107 - 6925	14	0	307	40.6	0.0	27.2	0.0	2.0	0.0	29.2	0.0	350.1	0.0	PEACHGROVE ROAD
6925 - 3007	14	0	127	40.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	361.4	0.0	PEACHGROVE ROAD
3007 - 3439	14	3	135	40.5	0.0	12.0	0.0	11.0	0.0	23.0	0.0	384.4	0.0	PEACHGROVE ROAD
3439 - 3437	14	0	18	41.8	0.0	1.6	0.0	0.0	0.0	1.6	0.0	385.9	0.0	PEACHGROVE ROAD
3437 - 4927	14	0	139	41.8	0.0	12.0	0.0	1.0	0.0	13.0	0.0	398.9	0.0	PEACHGROVE ROAD
4927 - 6862	14	0	54	41.8	0.0	4.7	0.0	0.0	0.0	4.7	0.0	403.6	0.0	PEACHGROVE ROAD
6862 - 4975	14	0	59	41.9	0.0	5.1	0.0	1.0	0.0	6.1	0.0	409.6	0.0	PEACHGROVE ROAD
4975 - 5197	14	0	180	42.0	0.0	15.4	0.0	1.0	0.0	16.4	0.0	426.1	0.0	PEACHGROVE ROAD
5197 - 6760	14	0	199	42.0	0.0	17.1	0.0	0.0	0.0	17.1	0.0	443.1	0.0	PEACHGROVE ROAD
6760 - 4998	14	0	138	41.7	0.0	11.9	0.0	2.0	0.0	13.9	0.0	457.0	0.0	PEACHGROVE ROAD
4998 - 4151	14	0	261	41.8	0.0	22.5	0.0	0.0	0.0	22.5	0.0	479.5	0.0	PEACHGROVE ROAD
4151 - 6693	14	0	132	41.1	0.0	11.6	0.0	0.0	0.0	11.6	0.0	491.1	0.0	PEACHGROVE ROAD
6693 - 6691	14	3	98	41.1	0.0	8.6	0.0	12.0	0.0	20.6	0.0	511.6	0.0	PEACHGROVE ROAD
6691 - 3710	5	0	127	46.1	0.0	9.9	0.0	0.0	0.0	9.9	0.0	521.6	0.0	HUKANUI ROAD
3710 - 7137	5	0	343	46.2	0.0	26.7	0.0	0.0	0.0	26.7	0.0	548.3	0.0	
7137 - 7140	5	0	263	46.1	0.0	20.5	0.0	0.0	0.0	20.5	0.0	568.8	0.0	HUKANUI ROAD
7140 - 6870	5	0	98	46.1	0.0	7.7	0.0	0.0	0.0	7.7	0.0	576.5	0.0	HUKANUI ROAD
6870 - 10401	5	0	37	46.0	0.0	2.9	0.0	0.0	0.0	2.9	0.0	579.4	0.0	HUKANUI ROAD
10401 - 6872	5	0	365	46.0	0.0	28.6	0.0	0.0	0.0	28.6	0.0	607.9	0.0	HUKANUI ROAD
6872 - 2991	5	0	57	45.9	0.0	4.5	0.0	0.0	0.0	4.5	0.0	612.4	0.0	HUKANUI ROAD
2991 - 3446	5	0	143	45.5	0.0	11.3	0.0	0.0	0.0	11.3	0.0	623.7	0.0	HUKANUI ROAD
3446 - 2979	5	0	307	46.0	0.0	24.0	0.0	0.0	0.0	24.0	0.0	647.8	0.0	HUKANUI ROAD
2979 - 6963	5	0	55	46.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	652.0	0.0	HUKANUI ROAD
6963 - 7144	5	0	47	46.8	0.0	3.6	0.0	0.0	0.0	3.6	0.0	655.6	0.0	HUKANUI ROAD
7144 - 7278	5	0	243	46.8	0.0	18.7	0.0	0.0	0.0	18.7	0.0	674.3	0.0	HUKANUI ROAD
7278 - 7279	5	0	114	46.4	0.0	8.8	0.0	0.0	0.0	8.8	0.0	683.1	0.0	HUKANUI ROAD
7279 - 4783	5	0	78	46.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	689.2	0.0	HUKANUI ROAD
4783 - 3562	5	0	55	46.0	0.0	4.3	0.0	0.0	0.0	4.3	0.0	693.5	0.0	HUKANUI ROAD
3562 - 3558	5	3	95	47.9	0.0	7.1	0.0	8.0	0.0	15.1	0.0	708.6	0.0	HUKANUI ROAD
3558 - 3563	7	0	112	68.8	0.0	5.9	0.0	2.0	0.0	7.9	0.0	716.5	0.0	WAIRERE DRIVE
3563 - 3543	8	0	1004	77.8	0.0	46.5	0.0	0.0	0.0	46.5	0.0	763.0	0.0	WAIRERE DRIVE
3543 - 3505	8	4	133	77.8	0.0	6.2	0.0	17.0	0.0	23.2	0.0	786.1	0.0	WAIRERE DRIVE
3505 - 3502	6	0	67	56.9	0.0	4.2	0.0	2.0	0.0	6.2	0.0	792.4	0.0	-- no name --
3502 - 3526	8	3	563	75.2	0.0	27.0	0.0	19.0	0.0	46.0	0.0	838.3	0.0	WAIRERE DRIVE
3526 - 3652	8	0	117	60.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	845.3	0.0	WAIRERE DRIVE
3652 - 10675	8	0	761	60.6	0.0	45.2	0.0	0.0	0.0	45.2	0.0	890.5	0.0	WAIRERE DRIVE
10675 - 3939	8	0	546	60.6	0.0	32.4	0.0	0.0	0.0	32.4	0.0	922.9	0.0	WAIRERE DRIVE
3939 - 3644	8	3	107	76.6	0.0	5.0	0.0	20.0	0.0	25.0	0.0	947.9	0.0	WAIRERE DRIVE
3644 - 3648	8	0	109	77.6	0.0	5.1	0.0	3.0	0.0	8.1	0.0	956.0	0.0	WAIRERE DRIVE
3648 - 3487	8	0	93	75.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	960.4	0.0	WAIRERE DRIVE
3487 - 3480	8	3	197	77.6	0.0	9.1	0.0	23.0	0.0	32.1	0.0	992.6	0.0	WAIRERE DRIVE
3480 - 3483	8	0	151	77.3	0.0	7.0	0.0	3.0	0.0	10.0	0.0	1002.6	0.0	AVALON DRIVE
3483 - 6660	8	0	785	74.8	0.0	37.8	0.0	0.0	0.0	37.8	0.0	1040.4	0.0	AVALON DRIVE
6660 - 5113	17	0	42	69.6	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1042.5	0.0	AVALON DRIVE
5113 - 10428	8	0	491	74.9	0.0	23.6	0.0	0.0	0.0	23.6	0.0	1066.1	0.0	AVALON DRIVE
10428 - 3285	8	0	149	74.9	0.0	7.2	0.0	0.0	0.0	7.2	0.0	1073.3	0.0	AVALON DRIVE
3285 - 10664	8	0	195	74.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1082.7	0.0	AVALON DRIVE
10664 - 2518	8	0	530	75.1	0.0	25.4	0.0	0.0	0.0	25.4	0.0	1108.1	0.0	AVALON DRIVE
2518 - 10660	8	0	110	75.1	0.0	5.3	0.0	0.0	0.0	5.3	0.0	1113.4	0.0	SH 1
10660 - 2519	8	0	71	75.1	0.0	3.4	0.0	0.0	0.0	3.4	0.0	1116.8	0.0	SH 1
2519 - 10426	8	0	185	74.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1125.7	0.0	SH1
10426 - 2574	8	0	105	74.4	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1130.7	0.0	SH1
2574 - 2525	8	0	79	74.5	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1134.6	0.0	SH1
2525 - 6661	8	0	141	74.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1141.4	0.0	AVALON DRIVE
6661 - 6658	8	0	151	73.1	0.0	7.4	0.0	0.0	0.0	7.4	0.0	1148.8	0.0	AVALON DRIVE
6658 - 2577	8	0	118	72.9	0.0	5.8	0.0	0.0	0.0	5.8	0.0	1154.7	0.0	AVALON DRIVE
2577 - 6657	8	0	127	73.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1160.9	0.0	AVALON DRIVE
6657 - 4911	7	0	224	54.8	0.0	14.7	0.0	0.0	0.0	14.7	0.0	1175.6	0.0	AVALON DRIVE
4911 - 10657	7	0	98	55.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1182.0	0.0	AVALON DRIVE
10657 - 2657	7	0	109	55.5	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1189.1	0.0	AVALON DRIVE

2657	-	10530	7	0	103	55.7	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1195.7	0.0	AVALON DRIVE
10530	-	3476	7	6	135	55.7	0.0	8.7	0.0	31.0	0.0	39.7	0.0	1235.4	0.0	AVALON DRIVE
3476	-	3267	7	0	57	38.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1240.8	0.0	LINCOLN STREET
3267	-	3266	7	0	117	38.3	0.0	11.0	0.0	0.0	0.0	11.0	0.0	1251.8	0.0	LINCOLN STREET
3266	-	8206	7	0	198	38.3	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1270.4	0.0	LINCOLN STREET
8206	-	3456	15	6	21	15.4	0.0	4.9	0.0	42.0	0.0	46.9	0.0	1317.3	0.0	LINCOLN STREET
3456	-	3455	8	0	117	76.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1322.9	0.0	LINCOLN STREET
3455	-	10497	8	0	226	76.0	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1333.6	0.0	LINCOLN STREET
10497	-	8207	8	0	78	76.0	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1337.3	0.0	LINCOLN STREET
8207	-	4988	8	0	115	76.0	0.0	5.4	0.0	2.0	0.0	7.4	0.0	1344.7	0.0	LINCOLN STREET
4988	-	10496	8	0	175	76.1	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1353.0	0.0	LINCOLN STREET
10496	-	4756	8	0	102	76.1	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1357.8	0.0	LINCOLN STREET
4756	-	4755	8	0	69	77.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1361.0	0.0	LINCOLN STREET
4755	-	8211	7	0	37	67.8	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1363.0	0.0	LINCOLN STREET
8211	-	3376	5	6	16	48.4	0.0	1.2	0.0	36.0	0.0	37.2	0.0	1400.2	0.0	LINCOLN STREET
3376	-	8210	5	0	18	48.5	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1401.5	0.0	GREENWOOD STREET
8210	-	3377	8	0	299	78.2	0.0	13.8	0.0	0.0	0.0	13.8	0.0	1415.3	0.0	GREENWOOD STREET
3377	-	4757	8	3	342	78.5	0.0	15.7	0.0	19.0	0.0	34.7	0.0	1449.9	0.0	GREENWOOD STREET
4757	-	4758	8	0	158	76.3	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1457.4	0.0	GREENWOOD STREET
4758	-	10650	8	0	239	76.3	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1468.7	0.0	GREENWOOD STREET
10650	-	3177	8	0	417	76.6	0.0	19.6	0.0	0.0	0.0	19.6	0.0	1488.3	0.0	GREENWOOD STREET
3177	-	3917	8	0	321	76.8	0.0	15.0	0.0	0.0	0.0	15.0	0.0	1503.3	0.0	GREENWOOD STREET
3917	-	6938	7	0	117	66.4	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1509.7	0.0	KAHIKATEA DRIVE
6938	-	5194	7	0	80	66.5	0.0	4.3	0.0	2.0	0.0	6.3	0.0	1516.0	0.0	KAHIKATEA DRIVE
5194	-	4793	7	0	84	66.7	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1520.5	0.0	KAHIKATEA DRIVE
4793	-	3175	7	0	230	66.7	0.0	12.4	0.0	3.0	0.0	15.4	0.0	1535.9	0.0	SH 1
3175	-	4709	7	0	293	66.7	0.0	15.8	0.0	2.0	0.0	17.8	0.0	1553.8	0.0	SH 1
4709	-	5323	7	0	235	66.9	0.0	12.6	0.0	2.0	0.0	14.6	0.0	1568.4	0.0	KAHIKATEA DRIVE
5323	-	10639	7	0	118	67.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1574.7	0.0	KAHIKATEA DRIVE
10639	-	3683	7	0	64	67.0	0.0	3.4	0.0	0.0	0.0	3.4	0.0	1578.2	0.0	KAHIKATEA DRIVE
3683	-	5253	7	0	68	67.0	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1581.8	0.0	KAHIKATEA DRIVE
5253	-	5251	7	0	58	67.0	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1585.0	0.0	KAHIKATEA DRIVE
5251	-	5351	7	0	88	67.0	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1589.7	0.0	KAHIKATEA DRIVE
5351	-	6683	7	0	181	67.0	0.0	9.7	0.0	0.0	0.0	9.7	0.0	1599.4	0.0	KAHIKATEA DRIVE
6683	-	4514	6	0	108	56.2	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1606.3	0.0	KAHIKATEA DRIVE
4514	-	2531	6	0	57	56.0	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1610.0	0.0	SH 1
2531	-	8248	6	0	68	56.2	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1614.3	0.0	SH 1
8248	-	4393	6	6	22	56.9	0.0	1.4	0.0	108.0	0.0	109.4	0.0	1723.7	0.0	SH 1
4393	-	4761	15	0	105	52.3	0.0	7.2	0.0	0.0	0.0	7.2	0.0	1731.0	0.0	SH 3
4761	-	4762	15	0	98	52.3	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1737.7	0.0	SH 3
4762	-	4764	15	0	30	52.2	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1739.8	0.0	SH 3
4764	-	4763	15	0	42	52.5	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1742.7	0.0	SH 3
4763	-	3770	15	3	143	52.5	0.0	9.8	0.0	13.6	0.0	23.4	0.0	1766.1	0.0	SH 3

Modelled Totals	20632	42.1	1319.5	446.6	1766.1
Observed Totals		0.0	1667.1	245.9	1913.0

Observed Journey Time = 1912.98 Implied Average Speed = 38.8
Modelled Journey Time = 1766.06 Modelled Average Speed = 42.1
92.32% 108.32%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 35 Movement Analysis - times in seconds

R3EB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 5380 -  2582    5 0   192  46.4   0.0   14.9    0.0   0.0     0.0   14.9    0.0    14.9     0.0    WHATAWHATA ROAD
 2582 -  3408    5 0   162  46.5   0.0   12.5    0.0   0.0     0.0   12.5    0.0    27.4     0.0    WHATAWHATA ROAD
 3408 -  3465    5 4    10  50.0   0.0    0.7    0.0   0.0     0.0    0.7    0.0    28.2     0.0
 3465 -  3400    4 3    14  37.1   0.0    1.4    0.0   9.0     0.0   10.4    0.0    38.5     0.0    DINSDALE ROAD
 3400 -  3459   15 0    70  49.3   0.0    5.1    0.0   0.0     0.0    5.1    0.0    43.6     0.0    RIFLE RANGE ROAD
 3459 -  3402   15 0    27  50.0   0.0    1.9    0.0   3.0     0.0    4.9    0.0    48.6     0.0    SH 23
 3402 -  3399   15 0    24  52.4   0.0    1.6    0.0   0.0     0.0    1.6    0.0    50.2     0.0    SH 23
 3399 -  3270   15 0    87  52.4   0.0    6.0    0.0   0.0     0.0    6.0    0.0    56.2     0.0    SH 23
 3270 -  7525   15 0   297  52.4   0.0   20.4    0.0   0.0     0.0   20.4    0.0    76.6     0.0    MASSEY STREET
 7525 -  7524   15 0   123  52.4   0.0    8.5    0.0   0.0     0.0    8.5    0.0    85.1     0.0    MASSEY STREET
 7524 -  7997   15 0    61  51.9   0.0    4.2    0.0   0.0     0.0    4.2    0.0    89.3     0.0    MASSEY STREET
 7997 -  8095   15 0   142  51.9   0.0    9.8    0.0   0.0     0.0    9.8    0.0    99.1     0.0    MASSEY STREET
 8095 -  7881   15 0   101  52.1   0.0    7.0    0.0   0.0     0.0    7.0    0.0   106.1     0.0    MASSEY STREET
 7881 -  6875   15 0    75  51.5   0.0    5.2    0.0   0.0     0.0    5.2    0.0   111.4     0.0    MASSEY STREET
 6875 -  4294   15 0    40  51.3   0.0    2.8    0.0   0.0     0.0    2.8    0.0   114.2     0.0    MASSEY STREET
 4294 -  6853   15 0    75  51.3   0.0    5.3    0.0   0.0     0.0    5.3    0.0   119.4     0.0    MASSEY STREET
 6853 -  3376   15 6   113  53.1   0.0    7.7    0.0  29.0     0.0   36.7    0.0   156.1     0.0    SH 23
 3376 -  8209   15 0    18  52.7   0.0    1.2    0.0   0.0     0.0    1.2    0.0   157.3     0.0    MASSEY HALL OVERBRIDG
 8209 -  6664   15 0   314  51.6   0.0   21.9    0.0   0.0     0.0   21.9    0.0   179.2     0.0    MASSEY HALL OVERBRIDG
 6664 -  6665   15 6    57  51.6   0.0    4.0    0.0   9.0     0.0   13.0    0.0   192.2     0.0    MASSEY HALL OVERBRIDG
 6665 - 10492   15 0    86  52.0   0.0    6.0    0.0   0.0     0.0    6.0    0.0   198.2     0.0    HALL STREET
10492 -  6869   15 0    14  52.1   0.0    1.0    0.0   0.0     0.0    1.0    0.0   199.1     0.0    HALL STREET
 6869 -  6662   15 6    81  52.1   0.0    5.6    0.0   3.0     0.0    8.6    0.0   207.7     0.0    HALL STREET
 6662 -  8216    5 0   228  48.6   0.0   16.9    0.0   0.0     0.0   16.9    0.0   224.6     0.0    HALL STREET
 8216 -  3380    5 6    17  48.6   0.0    1.3    0.0  29.0     0.0   30.3    0.0   254.9     0.0    HALL STREET
 3380 -  8215    5 0    16  48.8   0.0    1.2    0.0   0.0     0.0    1.2    0.0   256.0     0.0    MILL STREET
 8215 -  3378    5 0   282  48.0   0.0   21.1    0.0   0.0     0.0   21.1    0.0   277.2     0.0    MILL STREET
 3378 -  8220    5 0   183  47.8   0.0   13.8    0.0   0.0     0.0   13.8    0.0   291.0     0.0    MILL STREET
 8220 -  3472    5 6    35  47.8   0.0    2.6    0.0   7.0     0.0    9.6    0.0   300.6     0.0    MILL STREET
 3472 -  8218    5 0    36  47.9   0.0    2.7    0.0   0.0     0.0    2.7    0.0   303.3     0.0    MILL STREET
 8218 -  3469    5 6    79  47.9   0.0    5.9    0.0  36.0     0.0   41.9    0.0   345.3     0.0    MILL STREET
 3469 -  8221   15 0    21  53.5   0.0    1.4    0.0   0.0     0.0    1.4    0.0   346.7     0.0    MILL STREET
 8221 -  3470   15 0   107  53.5   0.0    7.2    0.0   0.0     0.0    7.2    0.0   353.9     0.0    MILL STREET
 3470 -  3129   15 6   122  53.7   0.0    8.2    0.0  16.0     0.0   24.2    0.0   378.1     0.0    MILL STREET
 3129 -  4951   15 6   164  53.9   0.0   11.0    0.0  17.0     0.0   28.0    0.0   406.0     0.0    MILL STREET
 4951 -  8249    5 0    24  46.7   0.0    1.9    0.0   0.0     0.0    1.9    0.0   407.9     0.0    BOUNDARY ROAD
 8249 -  3953    5 0    36  46.7   0.0    2.8    0.0   0.0     0.0    2.8    0.0   410.6     0.0    BOUNDARY ROAD
 3953 -  6739    5 0   413  46.7   0.0   31.8    0.0   0.0     0.0   31.8    0.0   442.5     0.0    BOUNDARY ROAD
 6739 -  6736    5 0   159  46.7   0.0   12.3    0.0   0.0     0.0   12.3    0.0   454.7     0.0    BOUNDARY ROAD
 6736 -  7928    5 0   127  47.0   0.0    9.7    0.0   0.0     0.0    9.7    0.0   464.5     0.0    BOUNDARY ROAD
 7928 -  3012    5 3   204  47.0   0.0   15.6    0.0  10.0     0.0   25.6    0.0   490.1     0.0    BOUNDARY ROAD
 3012 -  3013    5 0   500  47.8   0.0   37.7    0.0   0.0     0.0   37.7    0.0   527.7     0.0    BOUNDARY ROAD
 3013 -  3439    5 3   314  47.8   0.0   23.6    0.0  10.0     0.0   33.6    0.0   561.4     0.0    BOUNDARY ROAD
 3439 -  3438    5 0   104  48.8   0.0    7.7    0.0   0.0     0.0    7.7    0.0   569.1     0.0    FIFTH AVENUE
 3438 -  6694    5 0   343  49.1   0.0   25.1    0.0   2.0     0.0   27.1    0.0   596.2     0.0    FIFTH AVENUE
 6694 -  7732    5 0   138  49.1   0.0   10.1    0.0   3.2     0.0   13.3    0.0   609.5     0.0    FIFTH AVENUE

Modelled Totals     5835  34.5        426.3        183.2          609.5
Observed Totals                0.0         543.2          66.1         609.3

Observed Journey Time =   609.30     Implied Average Speed =  34.5
Modelled Journey Time =   609.52    Modelled Average Speed =  34.5
                        100.04%                              99.96%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 36 Movement Analysis - times in seconds

R3WB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4781 -  7732    5 0   175  47.6   0.0   13.2    0.0   2.0     0.0   15.2    0.0    15.2     0.0    FIFTH AVENUE
 7732 -  6694    5 0   138  47.0   0.0   10.6    0.0   1.0     0.0   11.6    0.0    26.8     0.0    FIFTH AVENUE
 6694 -  3438    5 0   343  47.0   0.0   26.3    0.0   0.0     0.0   26.3    0.0    53.1     0.0    FIFTH AVENUE
 3438 -  3439    5 3   104  46.9   0.0    8.0    0.0  13.0     0.0   21.0    0.0    74.1     0.0    FIFTH AVENUE
 3439 -  3013    5 0   314  46.0   0.0   24.6    0.0   0.0     0.0   24.6    0.0    98.6     0.0    BOUNDARY ROAD
 3013 -  3012    5 3   500  45.9   0.0   39.2    0.0  12.0     0.0   51.2    0.0   149.9     0.0    BOUNDARY ROAD
 3012 -  7928    5 0   204  42.1   0.0   17.4    0.0   0.0     0.0   17.4    0.0   167.3     0.0    BOUNDARY ROAD
 7928 -  6736    5 0   127  42.1   0.0   10.9    0.0   0.0     0.0   10.9    0.0   178.2     0.0    BOUNDARY ROAD
 6736 -  6739    5 0   159  36.8   0.0   15.6    0.0   0.0     0.0   15.6    0.0   193.7     0.0    BOUNDARY ROAD
 6739 -  3953    5 0   413  26.9   0.0   55.3    0.0   0.0     0.0   55.3    0.0   249.0     0.0    BOUNDARY ROAD
 3953 -  8249    5 0    36  26.9   0.0    4.8    0.0   0.0     0.0    4.8    0.0   253.8     0.0    BOUNDARY ROAD
 8249 -  4951    5 6    24  43.1   0.0    2.0    0.0  44.0     0.0   46.0    0.0   299.8     0.0    BOUNDARY ROAD
 4951 -  3129   15 6   164  52.5   0.0   11.2    0.0   8.0     0.0   19.2    0.0   319.0     0.0    MILL STREET
 3129 -  3470   15 0   122  51.9   0.0    8.5    0.0   0.0     0.0    8.5    0.0   327.5     0.0    MILL STREET
 3470 -  8221   15 0   107  52.1   0.0    7.4    0.0   0.0     0.0    7.4    0.0   334.9     0.0    MILL STREET
 8221 -  3469   15 6    21  52.5   0.0    1.4    0.0   9.0     0.0   10.4    0.0   345.3     0.0    MILL STREET
 3469 -  8218    5 0    79  46.7   0.0    6.1    0.0   0.0     0.0    6.1    0.0   351.4     0.0    MILL STREET
 8218 -  3472    5 6    36  47.7   0.0    2.7    0.0   7.0     0.0    9.7    0.0   361.2     0.0    MILL STREET
 3472 -  8220    5 0    35  47.7   0.0    2.6    0.0   0.0     0.0    2.6    0.0   363.8     0.0    MILL STREET
 8220 -  3378    5 0   183  47.4   0.0   13.9    0.0   0.0     0.0   13.9    0.0   377.7     0.0    MILL STREET
 3378 -  8215    5 0   282  48.0   0.0   21.1    0.0   0.0     0.0   21.1    0.0   398.8     0.0    MILL STREET
 8215 -  3380    5 6    16  48.0   0.0    1.2    0.0  25.0     0.0   26.2    0.0   425.0     0.0    MILL STREET
 3380 -  8216    5 0    17  48.6   0.0    1.3    0.0   0.0     0.0    1.3    0.0   426.3     0.0    HALL STREET
 8216 -  6662    5 6   228  48.6   0.0   16.9    0.0   7.0     0.0   23.9    0.0   450.2     0.0    HALL STREET
 6662 -  6869   15 0    81  53.8   0.0    5.4    0.0   0.0     0.0    5.4    0.0   455.6     0.0    HALL STREET
 6869 - 10492   15 0    14  53.8   0.0    0.9    0.0   0.0     0.0    0.9    0.0   456.5     0.0    HALL STREET
10492 -  6665   15 6    86  54.0   0.0    5.7    0.0  34.0     0.0   39.7    0.0   496.3     0.0    HALL STREET
 6665 -  6664   15 0    57  53.5   0.0    3.8    0.0   0.0     0.0    3.8    0.0   500.1     0.0    MASSEY HALL OVERBRIDG
 6664 -  8209   15 0   314  53.5   0.0   21.1    0.0   0.0     0.0   21.1    0.0   521.2     0.0    MASSEY HALL OVERBRIDG
 8209 -  3376   15 6    18  54.4   0.0    1.2    0.0  26.0     0.0   27.2    0.0   548.4     0.0    MASSEY HALL OVERBRIDG
 3376 -  6853   15 0   113  54.4   0.0    7.5    0.0   0.0     0.0    7.5    0.0   555.9     0.0    SH 23
 6853 -  4294   15 0    75  53.7   0.0    5.0    0.0   0.0     0.0    5.0    0.0   560.9     0.0    MASSEY STREET
 4294 -  6875   15 0    40  53.7   0.0    2.7    0.0   0.0     0.0    2.7    0.0   563.6     0.0    MASSEY STREET
 6875 -  7881   15 0    75  53.7   0.0    5.0    0.0   0.0     0.0    5.0    0.0   568.7     0.0    MASSEY STREET
 7881 -  8095   15 0   101  53.9   0.0    6.7    0.0   0.0     0.0    6.7    0.0   575.4     0.0    MASSEY STREET
 8095 -  7997   15 0   142  53.9   0.0    9.5    0.0   0.0     0.0    9.5    0.0   584.9     0.0    MASSEY STREET
 7997 -  7524   15 0    61  53.9   0.0    4.1    0.0   0.0     0.0    4.1    0.0   589.0     0.0    MASSEY STREET
 7524 -  7525   15 0   123  54.1   0.0    8.2    0.0   0.0     0.0    8.2    0.0   597.1     0.0    MASSEY STREET
 7525 -  3270   15 0   297  54.1   0.0   19.8    0.0   0.0     0.0   19.8    0.0   616.9     0.0    MASSEY STREET
 3270 -  3399   15 0    87  54.1   0.0    5.8    0.0   0.0     0.0    5.8    0.0   622.7     0.0    SH 23
 3399 -  3402   15 0    24  54.0   0.0    1.6    0.0   0.0     0.0    1.6    0.0   624.3     0.0    SH 23
 3402 -  3459   15 0    27  53.0   0.0    1.8    0.0   0.0     0.0    1.8    0.0   626.1     0.0    SH 23
 3459 -  3400   15 3    70  53.0   0.0    4.8    0.0  13.0     0.0   17.8    0.0   643.9     0.0    RIFLE RANGE ROAD
 3400 -  3408    5 0    13  48.9   0.0    1.0    0.0   0.0     0.0    1.0    0.0   644.8     0.0    WHATAWHATA ROAD
 3408 -  2582    5 0   162  48.9   0.0   11.9    0.0   0.0     0.0   11.9    0.0   656.8     0.0    WHATAWHATA ROAD
 2582 -  5380    5 0   192  48.9   0.0   14.1    0.0   0.4     0.0   14.5    0.0   671.3     0.0    WHATAWHATA ROAD

Modelled Totals     5999  32.2        469.9        201.4          671.3
Observed Totals                0.0         658.4          88.4         746.8

Observed Journey Time =   746.79     Implied Average Speed =  28.9
Modelled Journey Time =   671.30    Modelled Average Speed =  32.2
                          89.89%                             111.25%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 37 Movement Analysis - times in seconds

R4EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
7608 - 8482	15	0	116	52.8	0.0	7.9	0.0	0.0	0.0	7.9	0.0	7.9	0.0	ELLICOTT ROAD
8482 - 3909	15	0	158	52.9	0.0	10.8	0.0	0.0	0.0	10.8	0.0	18.7	0.0	ELLICOTT ROAD
3909 - 6653	15	0	217	52.9	0.0	14.8	0.0	0.0	0.0	14.8	0.0	33.4	0.0	ELLICOTT ROAD
6653 - 7011	15	0	61	52.6	0.0	4.2	0.0	0.0	0.0	4.2	0.0	37.6	0.0	ELLICOTT ROAD
7011 - 3476	15	7	179	51.8	0.0	12.4	0.0	50.0	0.0	62.4	0.0	100.0	0.0	ELLICOTT ROAD
3476 - 3267	7	0	57	38.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	105.4	0.0	LINCOLN STREET
3267 - 3266	7	0	117	38.3	0.0	11.0	0.0	0.0	0.0	11.0	0.0	116.4	0.0	LINCOLN STREET
3266 - 8206	7	0	198	38.3	0.0	18.6	0.0	0.0	0.0	18.6	0.0	135.0	0.0	LINCOLN STREET
8206 - 3456	15	6	21	15.4	0.0	4.9	0.0	41.0	0.0	45.9	0.0	180.9	0.0	LINCOLN STREET
3456 - 4721	13	0	337	32.2	0.0	37.7	0.0	0.0	0.0	37.7	0.0	218.6	0.0	NORTON ROAD
4721 - 7880	5	0	81	46.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	224.8	0.0	NORTON ROAD
7880 - 8060	5	0	81	46.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	231.0	0.0	NORTON ROAD
8060 - 7231	5	0	41	45.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	234.3	0.0	
7231 - 7915	5	0	39	46.3	0.0	3.0	0.0	0.0	0.0	3.0	0.0	237.3	0.0	NORTON ROAD
7915 - 7914	5	0	168	46.3	0.0	13.1	0.0	0.0	0.0	13.1	0.0	250.4	0.0	NORTON ROAD
7914 - 6897	5	0	24	46.4	0.0	1.9	0.0	0.0	0.0	1.9	0.0	252.2	0.0	
6897 - 10649	5	0	52	46.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	256.3	0.0	NORTON ROAD
10649 - 7906	5	0	40	46.4	0.0	3.1	0.0	0.0	0.0	3.1	0.0	259.4	0.0	NORTON ROAD
7906 - 7905	5	0	66	46.1	0.0	5.2	0.0	0.0	0.0	5.2	0.0	264.5	0.0	NORTON ROAD
7905 - 7237	5	0	31	47.0	0.0	2.4	0.0	0.0	0.0	2.4	0.0	266.9	0.0	NORTON ROAD
7237 - 7902	5	0	100	47.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	274.6	0.0	NORTON ROAD
7902 - 7901	5	0	89	47.0	0.0	6.8	0.0	0.0	0.0	6.8	0.0	281.4	0.0	NORTON ROAD
7901 - 6750	5	0	99	47.0	0.0	7.6	0.0	0.0	0.0	7.6	0.0	289.0	0.0	NORTON ROAD
6750 - 8217	5	0	24	47.0	0.0	1.8	0.0	0.0	0.0	1.8	0.0	290.8	0.0	NORTON ROAD
8217 - 3380	5	7	19	48.4	0.0	1.4	0.0	50.0	0.0	51.4	0.0	342.2	0.0	NORTON ROAD
3380 - 3379	5	0	13	47.9	0.0	1.0	0.0	0.0	0.0	1.0	0.0	343.2	0.0	
3379 - 3381	5	0	47	47.9	0.0	3.5	0.0	0.0	0.0	3.5	0.0	346.7	0.0	NORTON ROAD
3381 - 8244	5	0	69	48.1	0.0	5.2	0.0	0.0	0.0	5.2	0.0	351.9	0.0	NORTON ROAD
8244 - 3389	5	6	27	48.1	0.0	2.0	0.0	17.0	0.0	19.0	0.0	370.9	0.0	NORTON ROAD
3389 - 8243	5	0	31	48.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	373.2	0.0	NORTON ROAD
8243 - 3386	5	0	159	47.9	0.0	11.9	0.0	0.0	0.0	11.9	0.0	385.2	0.0	NORTON ROAD
3386 - 3382	4	3	68	38.1	0.0	6.4	0.0	5.0	0.0	11.4	0.0	396.6	0.0	NORTON ROAD
3382 - 3388	4	0	59	38.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	402.1	0.0	NORTON ROAD
3388 - 3126	4	0	185	38.9	0.0	17.1	0.0	0.0	0.0	17.1	0.0	419.2	0.0	NORTON ROAD
3126 - 3125	4	6	56	38.9	0.0	5.2	0.0	44.0	0.0	49.2	0.0	468.4	0.0	NORTON ROAD
3125 - 10716	5	0	131	47.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	478.3	0.0	TRISTRAM STREET
10716 - 6984	5	6	115	47.6	0.0	8.7	0.0	12.0	0.0	20.7	0.0	499.0	0.0	TRISTRAM STREET
6984 - 10472	4	0	117	38.0	0.0	11.1	0.0	0.0	0.0	11.1	0.0	510.1	0.0	BRYCE STREET
10472 - 7069	4	6	122	38.3	0.0	11.5	0.0	18.0	0.0	29.5	0.0	539.6	0.0	BRYCE STREET
7069 - 10462	13	0	41	32.6	0.0	4.5	0.0	0.0	0.0	4.5	0.0	544.1	0.0	BRYCE STREET
10462 - 7719	13	0	81	33.0	0.0	8.8	0.0	2.0	0.0	10.8	0.0	555.0	0.0	BRYCE STREET
7719 - 3448	13	6	125	33.1	0.0	13.6	0.0	22.0	0.0	35.6	0.0	590.6	0.0	BRYCE STREET
3448 - 3453	5	6	61	48.1	0.0	4.6	0.0	18.0	0.0	22.6	0.0	613.1	0.0	VICTORIA STREET
3453 - 9823	14	0	626	43.3	0.0	52.0	0.0	0.0	0.0	52.0	0.0	665.2	0.0	CLAUDELANDS ROAD
9823 - 3756	21	0	10	48.1	0.0	0.7	0.0	0.0	0.0	0.7	0.0	665.9	0.0	CLAUDELANDS ROAD
3756 - 3754	14	6	150	44.0	0.0	12.3	0.0	28.0	0.0	40.3	0.0	706.2	0.0	CLAUDELANDS ROAD
3754 - 3753	5	0	46	46.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	709.8	0.0	GREY STREET
3753 - 3752	5	3	83	46.0	0.0	6.5	0.0	13.0	0.0	19.5	0.0	729.3	0.0	GREY STREET
3752 - 7005	6	0	67	57.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	733.5	0.0	TE AROHA STREET
7005 - 6976	6	0	59	57.1	0.0	3.7	0.0	0.0	0.0	3.7	0.0	737.2	0.0	TE AROHA STREET
6976 - 7179	6	0	20	57.1	0.0	1.3	0.0	0.0	0.0	1.3	0.0	738.5	0.0	
7179 - 6744	6	0	104	57.1	0.0	6.6	0.0	0.0	0.0	6.6	0.0	745.0	0.0	TE AROHA STREET
6744 - 6745	6	0	147	57.1	0.0	9.3	0.0	0.0	0.0	9.3	0.0	754.3	0.0	TE AROHA STREET
6745 - 7474	6	0	96	57.7	0.0	6.0	0.0	0.0	0.0	6.0	0.0	760.3	0.0	TE AROHA STREET
7474 - 7472	6	0	52	57.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	763.5	0.0	TE AROHA STREET
7472 - 7473	6	0	121	57.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	771.0	0.0	TE AROHA STREET
7473 - 7476	6	0	121	57.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	778.6	0.0	TE AROHA STREET
7476 - 3367	6	7	57	57.9	0.0	3.5	0.0	27.0	0.0	30.5	0.0	809.1	0.0	TE AROHA STREET
3367 - 8241	6	0	27	58.5	0.0	1.7	0.0	0.0	0.0	1.7	0.0	810.8	0.0	RUAKURA ROAD
8241 - 3369	6	0	36	56.4	0.0	2.3	0.0	2.0	0.0	4.3	0.0	815.1	0.0	RUAKURA ROAD
3369 - 3023	6	0	168	56.4	0.0	10.7	0.0	0.0	0.0	10.7	0.0	825.8	0.0	RUAKURA ROAD
3023 - 4307	6	0	464	56.4	0.0	29.6	0.0	1.0	0.0	30.6	0.0	856.4	0.0	RUAKURA ROAD
4307 - 4308	6	0	221	56.4	0.0	14.1	0.0	0.0	0.0	14.1	0.0	870.5	0.0	RUAKURA ROAD
4308 - 3024	6	0	230	56.7	0.0	14.6	0.0	0.0	0.0	14.6	0.0	885.1	0.0	RUAKURA ROAD
3024 - 3025	6	3	414	56.7	0.0	26.3	0.0	10.0	0.0	36.3	0.0	921.4	0.0	RUAKURA ROAD
3025 - 3171	6	0	219	56.8	0.0	13.9	0.0	0.0	0.0	13.9	0.0	935.3	0.0	RUAKURA ROAD
3171 - 3961	6	0	20	56.8	0.0	1.3	0.0	0.0	0.0	1.3	0.0	936.6	0.0	
3961 - 6874	6	3	96	56.8	0.0	6.1	0.0	12.9	0.0	19.0	0.0	955.5	0.0	RUAKURA ROAD
Modelled Totals	7576		28.5		582.6		372.9			955.5				
Observed Totals				0.0		793.3		181.5			974.8			

```
Observed Journey Time =   974.79     Implied Average Speed =  28.0
Modelled Journey Time =   955.54    Modelled Average Speed =  28.5
                          98.02%                             102.01%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 38 Movement Analysis - times in seconds

R4WB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6874 - 3961	6	0	96	55.8	0.0	6.2	0.0	0.0	0.0	6.2	0.0	6.2	0.0	RUAKURA ROAD
3961 - 3171	6	0	20	55.8	0.0	1.3	0.0	0.0	0.0	1.3	0.0	7.5	0.0	
3171 - 3025	6	3	219	55.8	0.0	14.1	0.0	13.0	0.0	27.1	0.0	34.6	0.0	RUAKURA ROAD
3025 - 3024	6	0	414	55.7	0.0	26.8	0.0	0.0	0.0	26.8	0.0	61.4	0.0	RUAKURA ROAD
3024 - 4308	6	0	230	55.8	0.0	14.8	0.0	0.0	0.0	14.8	0.0	76.2	0.0	RUAKURA ROAD
4308 - 4307	6	0	221	55.2	0.0	14.4	0.0	2.0	0.0	16.4	0.0	92.6	0.0	RUAKURA ROAD
4307 - 3023	6	0	464	55.2	0.0	30.3	0.0	0.0	0.0	30.3	0.0	122.9	0.0	RUAKURA ROAD
3023 - 3369	6	0	168	54.4	0.0	11.1	0.0	0.0	0.0	11.1	0.0	134.0	0.0	RUAKURA ROAD
3369 - 8241	6	0	36	54.4	0.0	2.4	0.0	0.0	0.0	2.4	0.0	136.4	0.0	RUAKURA ROAD
8241 - 3367	6	7	27	54.4	0.0	1.8	0.0	9.0	0.0	10.8	0.0	147.2	0.0	RUAKURA ROAD
3367 - 7476	6	0	57	56.9	0.0	3.6	0.0	1.0	0.0	4.6	0.0	151.8	0.0	TE AROHA STREET
7476 - 7473	6	0	121	56.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	159.4	0.0	TE AROHA STREET
7473 - 7472	6	0	121	56.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	167.1	0.0	TE AROHA STREET
7472 - 7474	6	0	52	56.8	0.0	3.3	0.0	0.0	0.0	3.3	0.0	170.4	0.0	TE AROHA STREET
7474 - 6745	6	0	96	56.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	176.5	0.0	TE AROHA STREET
6745 - 6744	6	0	147	55.9	0.0	9.5	0.0	0.0	0.0	9.5	0.0	186.0	0.0	TE AROHA STREET
6744 - 7179	6	0	104	56.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	192.7	0.0	TE AROHA STREET
7179 - 6976	6	0	20	56.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	194.0	0.0	
6976 - 7005	6	0	59	55.8	0.0	3.8	0.0	0.0	0.0	3.8	0.0	197.8	0.0	TE AROHA STREET
7005 - 3752	6	3	67	56.1	0.0	4.3	0.0	33.0	0.0	37.3	0.0	235.1	0.0	TE AROHA STREET
3752 - 3753	5	0	83	46.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	241.6	0.0	GREY STREET
3753 - 3754	5	7	46	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	244.9	0.0	GREY STREET
3754 - 3756	14	0	150	42.7	0.0	12.6	0.0	0.0	0.0	12.6	0.0	257.6	0.0	CLAUDELANDS ROAD
3756 - 9823	21	0	10	45.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	258.4	0.0	CLAUDELANDS ROAD
9823 - 3453	14	7	626	40.0	0.0	56.3	0.0	76.0	0.0	132.3	0.0	390.7	0.0	CLAUDELANDS ROAD
3453 - 3448	5	7	61	48.3	0.0	4.5	0.0	40.0	0.0	44.5	0.0	435.3	0.0	VICTORIA STREET
3448 - 7719	13	0	125	33.6	0.0	13.4	0.0	0.0	0.0	13.4	0.0	448.7	0.0	BRYCE STREET
7719 - 10462	13	0	81	33.8	0.0	8.6	0.0	0.0	0.0	8.6	0.0	457.3	0.0	BRYCE STREET
10462 - 7069	13	6	41	34.0	0.0	4.3	0.0	30.0	0.0	34.3	0.0	491.6	0.0	BRYCE STREET
7069 - 10472	4	0	122	39.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	502.8	0.0	BRYCE STREET
10472 - 6984	4	6	117	39.5	0.0	10.7	0.0	34.0	0.0	44.7	0.0	547.5	0.0	BRYCE STREET
6984 - 10716	5	0	115	46.1	0.0	9.0	0.0	0.0	0.0	9.0	0.0	556.5	0.0	TRISTRAM STREET
10716 - 3125	5	6	131	46.4	0.0	10.2	0.0	15.0	0.0	25.2	0.0	581.6	0.0	TRISTRAM STREET
3125 - 3126	4	0	56	39.3	0.0	5.1	0.0	0.0	0.0	5.1	0.0	586.7	0.0	NORTON ROAD
3126 - 3388	4	0	185	39.3	0.0	16.9	0.0	0.0	0.0	16.9	0.0	603.7	0.0	NORTON ROAD
3388 - 3382	4	3	59	39.3	0.0	5.4	0.0	4.0	0.0	9.4	0.0	613.1	0.0	NORTON ROAD
3382 - 3386	4	0	68	39.4	0.0	6.2	0.0	0.0	0.0	6.2	0.0	619.3	0.0	NORTON ROAD
3386 - 8243	5	0	159	49.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	630.9	0.0	NORTON ROAD
8243 - 3389	5	6	31	49.3	0.0	2.3	0.0	36.0	0.0	38.3	0.0	669.2	0.0	NORTON ROAD
3389 - 8244	5	0	27	49.3	0.0	2.0	0.0	0.0	0.0	2.0	0.0	671.2	0.0	NORTON ROAD
8244 - 3381	5	0	69	49.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	676.2	0.0	NORTON ROAD
3381 - 3379	5	0	47	49.3	0.0	3.4	0.0	0.0	0.0	3.4	0.0	679.6	0.0	NORTON ROAD
3379 - 3380	5	7	13	49.3	0.0	0.9	0.0	39.0	0.0	39.9	0.0	719.6	0.0	
3380 - 8217	5	0	19	48.2	0.0	1.4	0.0	0.0	0.0	1.4	0.0	721.0	0.0	NORTON ROAD
8217 - 6750	5	0	24	48.2	0.0	1.8	0.0	0.0	0.0	1.8	0.0	722.8	0.0	NORTON ROAD
6750 - 7901	5	0	99	48.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	730.2	0.0	NORTON ROAD
7901 - 7902	5	0	89	48.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	736.8	0.0	NORTON ROAD
7902 - 7237	5	0	100	48.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	744.3	0.0	NORTON ROAD
7237 - 7905	5	0	31	48.2	0.0	2.3	0.0	0.0	0.0	2.3	0.0	746.6	0.0	NORTON ROAD
7905 - 7906	5	0	66	46.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	751.8	0.0	NORTON ROAD
7906 - 10649	5	0	40	46.2	0.0	3.1	0.0	0.0	0.0	3.1	0.0	754.9	0.0	NORTON ROAD
10649 - 6897	5	0	52	46.2	0.0	4.1	0.0	0.0	0.0	4.1	0.0	758.9	0.0	NORTON ROAD
6897 - 7914	5	0	24	46.2	0.0	1.9	0.0	0.0	0.0	1.9	0.0	760.8	0.0	
7914 - 7915	5	0	168	46.3	0.0	13.1	0.0	0.0	0.0	13.1	0.0	773.9	0.0	NORTON ROAD
7915 - 7231	5	0	39	46.3	0.0	3.0	0.0	0.0	0.0	3.0	0.0	776.9	0.0	NORTON ROAD
7231 - 8060	5	0	41	45.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	780.1	0.0	
8060 - 7880	5	0	81	46.3	0.0	6.3	0.0	0.0	0.0	6.3	0.0	786.4	0.0	NORTON ROAD
7880 - 4721	5	0	81	46.3	0.0	6.3	0.0	0.0	0.0	6.3	0.0	792.7	0.0	NORTON ROAD
4721 - 3456	13	6	337	31.7	0.0	38.3	0.0	40.0	0.0	78.3	0.0	871.0	0.0	NORTON ROAD
3456 - 8206	15	0	21	50.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	872.5	0.0	LINCOLN STREET
8206 - 3266	7	0	198	62.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	883.9	0.0	LINCOLN STREET
3266 - 3267	7	0	117	62.5	0.0	6.7	0.0	0.0	0.0	6.7	0.0	890.6	0.0	LINCOLN STREET
3267 - 3476	7	6	57	62.5	0.0	3.3	0.0	34.0	0.0	37.3	0.0	927.9	0.0	LINCOLN STREET
3476 - 7011	15	0	179	52.9	0.0	12.2	0.0	0.0	0.0	12.2	0.0	940.1	0.0	ELLICOTT ROAD
7011 - 6653	15	0	61	53.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	944.2	0.0	ELLICOTT ROAD
6653 - 3909	15	0	217	53.1	0.0	14.7	0.0	0.0	0.0	14.7	0.0	959.0	0.0	ELLICOTT ROAD
3909 - 8482	15	0	158	53.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	969.7	0.0	ELLICOTT ROAD
8482 - 7608	15	0	116	54.1	0.0	7.7	0.0	2.4	0.0	10.1	0.0	979.8	0.0	ELLICOTT ROAD
Modelled Totals	7576		27.8		571.4		408.4			979.8				
Observed Totals				0.0		765.6		58.5		824.1				

```
Observed Journey Time =   824.12     Implied Average Speed =  33.1
Modelled Journey Time =   979.79    Modelled Average Speed =  27.8
                        118.89%                              84.11%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 39 Movement Analysis - times in seconds

R5NB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3301 - 11496	6 0	80	55.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	5.2	0.0	OHAUPO ROAD
11496 - 2667	6 6	195	55.8	0.0	12.6	0.0	18.0	0.0	30.6	0.0	35.7	0.0	OHAUPO ROAD
2667 - 2665	6 0	71	55.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	40.4	0.0	SH 3
2665 - 7301	6 0	139	55.2	0.0	9.1	0.0	0.0	0.0	9.1	0.0	49.4	0.0	SH 3
7301 - 7078	6 0	85	55.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	55.0	0.0	SH3
7078 - 10636	6 0	81	55.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	60.3	0.0	SH 3
10636 - 3095	6 0	83	55.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	65.7	0.0	SH 3
3095 - 2663	15 0	102	50.2	0.0	7.3	0.0	0.0	0.0	7.3	0.0	73.0	0.0	SH 3
2663 - 3143	15 0	99	50.2	0.0	7.1	0.0	0.0	0.0	7.1	0.0	80.1	0.0	OHAUPO ROAD
3143 - 3770	15 3	38	50.0	0.0	2.7	0.0	12.0	0.0	14.7	0.0	94.8	0.0	SH 3
3770 - 7007	15 0	40	53.3	0.0	2.7	0.0	0.0	0.0	2.7	0.0	97.5	0.0	NORMANDY AVENUE
7007 - 4233	15 0	285	53.3	0.0	19.2	0.0	0.0	0.0	19.2	0.0	116.8	0.0	NORMANDY AVENUE
4233 - 10640	15 0	93	53.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	123.1	0.0	NORMANDY AVENUE
10640 - 2646	15 0	82	53.1	0.0	5.6	0.0	0.0	0.0	5.6	0.0	128.7	0.0	NORMANDY AVENUE
2646 - 2647	15 0	42	53.0	0.0	2.9	0.0	0.0	0.0	2.9	0.0	131.5	0.0	NORMANDY AVENUE
2647 - 8214	15 0	109	52.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	139.0	0.0	NORMANDY AVENUE
8214 - 4754	15 7	18	52.2	0.0	1.2	0.0	30.0	0.0	31.2	0.0	170.3	0.0	NORMANDY AVENUE
4754 - 8212	15 0	21	52.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	171.7	0.0	NORMANDY AVENUE
8212 - 3679	15 0	313	51.6	0.0	21.8	0.0	0.0	0.0	21.8	0.0	193.5	0.0	NORMANDY AVENUE
3679 - 5646	15 0	85	51.7	0.0	5.9	0.0	0.0	0.0	5.9	0.0	199.5	0.0	NORMANDY AVENUE
5646 - 9799	15 2	187	51.7	0.0	13.0	0.0	8.0	0.0	21.0	0.0	220.5	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	66.8	0.0	11.7	0.0	0.0	0.0	11.7	0.0	232.2	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	66.8	0.0	14.2	0.0	0.0	0.0	14.2	0.0	246.4	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	66.8	0.0	22.0	0.0	0.0	0.0	22.0	0.0	268.4	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	51.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	270.1	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	51.3	0.0	4.1	0.0	9.0	0.0	13.1	0.0	283.1	0.0	COBHAM DRIVE
3370 - 3397	15 0	155	49.2	0.0	11.3	0.0	0.0	0.0	11.3	0.0	294.5	0.0	TRISTRAM STREET
3397 - 4766	15 3	231	49.8	0.0	16.7	0.0	10.0	0.0	26.7	0.0	321.2	0.0	TRISTRAM STREET
4766 - 3631	5 0	186	32.2	0.0	20.8	0.0	0.0	0.0	20.8	0.0	342.0	0.0	TRISTRAM STREET
3631 - 3390	5 3	52	32.2	0.0	5.8	0.0	6.0	0.0	11.8	0.0	353.8	0.0	TRISTRAM STREET
3390 - 3060	5 0	86	42.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	361.2	0.0	TRISTRAM STREET
3060 - 10473	5 0	27	42.6	0.0	2.3	0.0	0.0	0.0	2.3	0.0	363.4	0.0	TRISTRAM STREET
10473 - 3059	5 0	21	43.1	0.0	1.8	0.0	0.0	0.0	1.8	0.0	365.2	0.0	TRISTRAM STREET
3059 - 6684	5 0	62	43.0	0.0	5.2	0.0	0.0	0.0	5.2	0.0	370.4	0.0	TRISTRAM STREET
6684 - 7222	4 0	85	29.9	0.0	10.2	0.0	0.0	0.0	10.2	0.0	380.6	0.0	TRISTRAM STREET
7222 - 8252	5 0	42	43.5	0.0	3.5	0.0	0.0	0.0	3.5	0.0	384.1	0.0	TRISTRAM STREET
8252 - 3232	4 7	22	31.4	0.0	2.5	0.0	10.0	0.0	12.5	0.0	396.6	0.0	TRISTRAM STREET
3232 - 3233	5 0	65	45.2	0.0	5.2	0.0	0.0	0.0	5.2	0.0	401.8	0.0	TRISTRAM STREET
3233 - 6984	5 0	57	45.3	0.0	4.5	0.0	11.0	0.0	15.5	0.0	417.3	0.0	TRISTRAM STREET
6984 - 10716	5 0	115	46.1	0.0	9.0	0.0	0.0	0.0	9.0	0.0	426.3	0.0	TRISTRAM STREET
10716 - 3125	5 6	131	46.4	0.0	10.2	0.0	16.0	0.0	26.2	0.0	452.5	0.0	TRISTRAM STREET
3125 - 3124	5 0	54	47.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	456.6	0.0	TRISTRAM STREET
3124 - 6687	5 3	183	47.0	0.0	14.0	0.0	10.0	0.0	24.0	0.0	480.6	0.0	TRISTRAM STREET
6687 - 9785	5 0	229	46.9	0.0	17.6	0.0	0.0	0.0	17.6	0.0	498.2	0.0	TRISTRAM STREET
9785 - 6729	5 0	15	47.1	0.0	1.1	0.0	0.0	0.0	1.1	0.0	499.4	0.0	TRISTRAM STREET
6729 - 3473	5 0	82	47.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	505.6	0.0	TRISTRAM STREET
3473 - 3472	5 6	25	47.6	0.0	1.9	0.0	27.0	0.0	28.9	0.0	534.5	0.0	TRISTRAM STREET
3472 - 8219	14 0	34	43.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	537.4	0.0	ABBOTSFORD STREET
8219 - 10511	4 0	204	38.2	0.0	19.2	0.0	0.0	0.0	19.2	0.0	556.6	0.0	ABBOTSFORD STREET
10511 - 6728	4 5	104	38.2	0.0	9.8	0.0	12.0	0.0	21.8	0.0	578.4	0.0	ABBOTSFORD STREET
6728 - 10512	5 0	52	48.6	0.0	3.9	0.0	0.0	0.0	3.9	0.0	582.2	0.0	WILLOUGHBY STREET
10512 - 4759	5 4	429	48.7	0.0	31.7	0.0	10.2	0.0	41.9	0.0	624.1	0.0	WILLOUGHBY STREET
Modelled Totals	5967	34.4		434.9		189.2		624.1					
Observed Totals			0.0		546.2		65.9		612.0				

```
Observed Journey Time =   612.03     Implied Average Speed =  35.1
Modelled Journey Time =   624.14    Modelled Average Speed =  34.4
                        101.98%                             98.06%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 40 Movement Analysis - times in seconds

R5SB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4759 - 10512	5	0	429	49.3	0.0	31.3	0.0	0.0	0.0	31.3	0.0	31.3	0.0	WILLOUGHBY STREET
10512 - 6728	5	0	52	49.1	0.0	3.8	0.0	0.0	0.0	3.8	0.0	35.1	0.0	WILLOUGHBY STREET
6728 - 10511	4	0	104	40.0	0.0	9.4	0.0	0.0	0.0	9.4	0.0	44.5	0.0	ABBOTSFORD STREET
10511 - 8219	4	0	204	40.0	0.0	18.4	0.0	0.0	0.0	18.4	0.0	62.9	0.0	ABBOTSFORD STREET
8219 - 8218	3	5	50	30.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	68.9	0.0	
8218 - 3473	5	2	55	47.9	0.0	4.1	0.0	4.0	0.0	8.1	0.0	77.0	0.0	
3473 - 6729	5	0	82	47.4	0.0	6.2	0.0	0.0	0.0	6.2	0.0	83.2	0.0	TRISTRAM STREET
6729 - 9785	5	0	15	47.4	0.0	1.1	0.0	0.0	0.0	1.1	0.0	84.4	0.0	TRISTRAM STREET
9785 - 6687	5	3	229	47.5	0.0	17.4	0.0	10.0	0.0	27.4	0.0	111.7	0.0	TRISTRAM STREET
6687 - 3124	5	0	183	47.8	0.0	13.8	0.0	0.0	0.0	13.8	0.0	125.5	0.0	TRISTRAM STREET
3124 - 3125	5	6	54	47.8	0.0	4.1	0.0	10.0	0.0	14.1	0.0	139.6	0.0	TRISTRAM STREET
3125 - 10716	5	0	131	47.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	149.5	0.0	TRISTRAM STREET
10716 - 6984	5	6	115	47.6	0.0	8.7	0.0	10.0	0.0	18.7	0.0	168.2	0.0	TRISTRAM STREET
6984 - 3233	5	0	57	47.9	0.0	4.3	0.0	0.0	0.0	4.3	0.0	172.5	0.0	TRISTRAM STREET
3233 - 3232	5	7	65	48.1	0.0	4.9	0.0	41.0	0.0	45.9	0.0	218.4	0.0	TRISTRAM STREET
3232 - 8252	4	0	22	38.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0	220.5	0.0	TRISTRAM STREET
8252 - 7222	5	0	42	47.1	0.0	3.2	0.0	0.0	0.0	3.2	0.0	223.7	0.0	TRISTRAM STREET
7222 - 6684	4	0	85	37.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	231.9	0.0	TRISTRAM STREET
6684 - 3059	5	0	62	47.1	0.0	4.7	0.0	0.0	0.0	4.7	0.0	236.6	0.0	TRISTRAM STREET
3059 - 10473	5	0	21	47.1	0.0	1.6	0.0	0.0	0.0	1.6	0.0	238.2	0.0	TRISTRAM STREET
10473 - 3060	5	0	27	47.4	0.0	2.1	0.0	0.0	0.0	2.1	0.0	240.3	0.0	TRISTRAM STREET
3060 - 3390	5	3	86	47.7	0.0	6.5	0.0	10.0	0.0	16.5	0.0	256.8	0.0	TRISTRAM STREET
3390 - 3631	5	0	52	46.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	260.8	0.0	TRISTRAM STREET
3631 - 4766	5	3	186	46.7	0.0	14.3	0.0	11.0	0.0	25.3	0.0	286.1	0.0	TRISTRAM STREET
4766 - 3397	15	0	231	52.7	0.0	15.8	0.0	0.0	0.0	15.8	0.0	301.9	0.0	TRISTRAM STREET
3397 - 3370	15	3	155	52.8	0.0	10.6	0.0	12.0	0.0	22.6	0.0	324.5	0.0	TRISTRAM STREET
3370 - 8194	15	0	58	54.3	0.0	3.8	0.0	0.0	0.0	3.8	0.0	328.3	0.0	COBHAM DRIVE
8194 - 3936	15	0	24	53.6	0.0	1.6	0.0	0.0	0.0	1.6	0.0	329.9	0.0	COBHAM DRIVE
3936 - 3672	7	0	408	68.6	0.0	21.4	0.0	0.0	0.0	21.4	0.0	351.3	0.0	COBHAM DRIVE
3672 - 10483	7	0	264	68.6	0.0	13.9	0.0	0.0	0.0	13.9	0.0	365.2	0.0	COBHAM DRIVE
10483 - 3677	7	0	298	68.6	0.0	15.6	0.0	0.0	0.0	15.6	0.0	380.8	0.0	COBHAM DRIVE
3677 - 3676	7	6	131	68.6	0.0	6.9	0.0	48.0	0.0	54.9	0.0	435.7	0.0	COBHAM DRIVE
3676 - 3679	15	0	92	54.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	441.8	0.0	NORMANDY AVENUE
3679 - 8212	15	0	313	52.2	0.0	21.6	0.0	0.0	0.0	21.6	0.0	463.4	0.0	NORMANDY AVENUE
8212 - 4754	15	7	21	52.2	0.0	1.4	0.0	3.0	0.0	4.4	0.0	467.8	0.0	NORMANDY AVENUE
4754 - 8214	15	0	18	53.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	469.1	0.0	NORMANDY AVENUE
8214 - 2647	15	0	109	53.4	0.0	7.3	0.0	0.0	0.0	7.3	0.0	476.4	0.0	NORMANDY AVENUE
2647 - 2646	15	0	42	53.6	0.0	2.8	0.0	0.0	0.0	2.8	0.0	479.2	0.0	NORMANDY AVENUE
2646 - 10640	15	0	82	53.6	0.0	5.5	0.0	0.0	0.0	5.5	0.0	484.7	0.0	NORMANDY AVENUE
10640 - 4233	15	0	93	53.6	0.0	6.2	0.0	0.0	0.0	6.2	0.0	491.0	0.0	NORMANDY AVENUE
4233 - 7007	15	0	285	53.7	0.0	19.1	0.0	0.0	0.0	19.1	0.0	510.1	0.0	NORMANDY AVENUE
7007 - 3770	15	3	40	53.8	0.0	2.7	0.0	10.0	0.0	12.7	0.0	522.8	0.0	NORMANDY AVENUE
3770 - 3143	15	0	38	52.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	525.3	0.0	SH 3
3143 - 2663	15	0	99	53.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	532.1	0.0	OHAUPO ROAD
2663 - 3095	15	0	102	53.1	0.0	6.9	0.0	0.0	0.0	6.9	0.0	539.0	0.0	SH 3
3095 - 10636	6	0	83	57.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	544.1	0.0	SH 3
10636 - 7078	6	0	81	57.8	0.0	5.0	0.0	0.0	0.0	5.0	0.0	549.2	0.0	SH 3
7078 - 7301	6	0	85	57.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	554.5	0.0	SH3
7301 - 2665	6	0	139	57.8	0.0	8.7	0.0	0.0	0.0	8.7	0.0	563.1	0.0	SH 3
2665 - 2667	6	6	71	57.7	0.0	4.4	0.0	4.0	0.0	8.4	0.0	571.6	0.0	SH 3
2667 - 11496	6	0	195	58.1	0.0	12.1	0.0	0.0	0.0	12.1	0.0	583.7	0.0	OHAUPO ROAD
11496 - 3301	6	3	80	58.1	0.0	5.0	0.0	8.3	0.0	13.3	0.0	596.9	0.0	OHAUPO ROAD
Modelled Totals	6045		36.5		415.6		181.3			596.9				
Observed Totals				0.0		568.4		62.3			630.7			

```
      +++ Links with No Traffic in journey: R5SB

Observed Journey Time =   630.68     Implied Average Speed =  34.5
Modelled Journey Time =   596.91    Modelled Average Speed =  36.5
                          94.65%                             105.66%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 41 Movement Analysis - times in seconds

R6aEB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4768 - 4769	15 6	156	53.9	0.0	10.4	0.0	59.0	0.0	69.4	0.0	69.4	0.0	VICTORIA STREET
4769 - 4907	21 0	15	46.2	0.0	1.2	0.0	0.0	0.0	1.2	0.0	70.6	0.0	
4907 - 3606	4 0	146	36.6	0.0	14.4	0.0	0.0	0.0	14.4	0.0	84.9	0.0	FAIRFIELD BRIDGE
3606 - 3605	4 3	50	36.6	0.0	4.9	0.0	8.0	0.0	12.9	0.0	97.9	0.0	FAIRFIELD BRIDGE
3605 - 7074	6 0	59	56.5	0.0	3.8	0.0	0.0	0.0	3.8	0.0	101.6	0.0	RIVER ROAD
7074 - 7105	6 0	352	57.4	0.0	22.1	0.0	0.0	0.0	22.1	0.0	123.7	0.0	RIVER ROAD
7105 - 6677	6 0	82	57.4	0.0	5.1	0.0	16.0	0.0	21.1	0.0	144.8	0.0	RIVER ROAD
6677 - 3112	6 0	262	59.0	0.0	16.0	0.0	2.0	0.0	18.0	0.0	162.8	0.0	CLARKIN ROAD
3112 - 7254	6 0	211	58.9	0.0	12.9	0.0	1.0	0.0	13.9	0.0	176.7	0.0	CLARKIN ROAD
7254 - 6606	6 0	139	58.8	0.0	8.5	0.0	1.0	0.0	9.5	0.0	186.2	0.0	CLARKIN ROAD
6606 - 6605	6 0	68	58.6	0.0	4.2	0.0	2.0	0.0	6.2	0.0	192.4	0.0	CLARKIN ROAD
6605 - 7740	6 0	172	58.6	0.0	10.6	0.0	2.0	0.0	12.6	0.0	205.0	0.0	CLARKIN ROAD
7740 - 6906	6 0	106	58.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	211.5	0.0	CLARKIN ROAD
6906 - 3707	6 0	92	57.3	0.0	5.8	0.0	12.0	0.0	17.8	0.0	229.3	0.0	CLARKIN ROAD
3707 - 7738	5 0	184	46.6	0.0	14.2	0.0	0.0	0.0	14.2	0.0	243.5	0.0	HEAPHY TERRACE
7738 - 6751	5 0	132	46.6	0.0	10.2	0.0	0.0	0.0	10.2	0.0	253.7	0.0	HEAPHY TERRACE
6751 - 3703	5 0	176	46.4	0.0	13.7	0.0	0.0	0.0	13.7	0.0	267.4	0.0	HEAPHY TERRACE
3703 - 7924	5 0	114	46.4	0.0	8.8	0.0	0.0	0.0	8.8	0.0	276.2	0.0	HEAPHY TERRACE
7924 - 7013	5 0	32	46.5	0.0	2.5	0.0	0.0	0.0	2.5	0.0	278.7	0.0	HEAPHY TERRACE
7013 - 7923	5 0	70	46.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	284.2	0.0	HEAPHY TERRACE
7923 - 7921	5 0	19	45.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	285.6	0.0	
7921 - 7925	5 0	94	45.8	0.0	7.4	0.0	0.0	0.0	7.4	0.0	293.0	0.0	HEAPHY TERRACE
7925 - 7919	5 0	7	45.8	0.0	0.6	0.0	0.0	0.0	0.6	0.0	293.6	0.0	
7919 - 4961	5 0	100	45.6	0.0	7.9	0.0	0.0	0.0	7.9	0.0	301.5	0.0	HEAPHY TERRACE
4961 - 4955	5 0	100	45.6	0.0	7.9	0.0	2.0	0.0	9.9	0.0	311.4	0.0	HEAPHY TERRACE
4955 - 4132	5 0	22	45.6	0.0	1.7	0.0	2.0	0.0	3.7	0.0	315.1	0.0	
4132 - 3012	5 3	141	45.5	0.0	11.2	0.0	10.0	0.0	21.2	0.0	336.3	0.0	HEAPHY TERRACE
3012 - 6737	5 0	125	47.8	0.0	9.4	0.0	0.0	0.0	9.4	0.0	345.7	0.0	HEAPHY TERRACE
6737 - 7468	5 0	127	47.7	0.0	9.6	0.0	0.0	0.0	9.6	0.0	355.3	0.0	HEAPHY TERRACE
7468 - 3454	5 0	252	47.8	0.0	19.0	0.0	0.0	0.0	19.0	0.0	374.2	0.0	
3454 - 8232	5 0	224	47.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	391.2	0.0	HEAPHY TERRACE
8232 - 2537	5 6	34	47.7	0.0	2.6	0.0	30.0	0.0	32.6	0.0	423.7	0.0	HEAPHY TERRACE
2537 - 3755	5 0	50	47.2	0.0	3.8	0.0	0.0	0.0	3.8	0.0	427.5	0.0	HEAPHY TERRACE
3755 - 3754	5 7	35	47.2	0.0	2.7	0.0	11.0	0.0	13.7	0.0	441.2	0.0	HEAPHY TERRACE
3754 - 3753	5 0	46	46.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	444.8	0.0	GREY STREET
3753 - 3752	5 3	83	46.0	0.0	6.5	0.0	14.2	0.0	20.7	0.0	465.5	0.0	GREY STREET

Modelled Totals	4077	31.5		293.3		172.2		465.5
Observed Totals			0.0		402.0		66.6	468.6

```
Observed Journey Time =   468.59     Implied Average Speed =  31.3
Modelled Journey Time =   465.50    Modelled Average Speed =  31.5
                          99.34%                              100.66%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 42 Movement Analysis - times in seconds

R6aWB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3752 - 3753	5 0	83	46.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	6.5	0.0	GREY STREET
3753 - 3754	5 7	46	49.2	0.0	3.4	0.0	39.0	0.0	42.4	0.0	48.9	0.0	GREY STREET
3754 - 3755	5 0	35	49.1	0.0	2.6	0.0	0.0	0.0	2.6	0.0	51.4	0.0	HEAPHY TERRACE
3755 - 2537	5 6	50	48.6	0.0	3.7	0.0	7.0	0.0	10.7	0.0	62.1	0.0	HEAPHY TERRACE
2537 - 8232	5 0	34	48.4	0.0	2.5	0.0	0.0	0.0	2.5	0.0	64.7	0.0	HEAPHY TERRACE
8232 - 3454	5 0	224	48.4	0.0	16.7	0.0	0.0	0.0	16.7	0.0	81.3	0.0	HEAPHY TERRACE
3454 - 7468	5 0	252	48.5	0.0	18.7	0.0	0.0	0.0	18.7	0.0	100.0	0.0	
7468 - 6737	5 0	127	48.4	0.0	9.4	0.0	0.0	0.0	9.4	0.0	109.5	0.0	HEAPHY TERRACE
6737 - 3012	5 3	125	48.3	0.0	9.3	0.0	13.0	0.0	22.3	0.0	131.8	0.0	HEAPHY TERRACE
3012 - 4132	5 0	141	47.0	0.0	10.8	0.0	3.0	0.0	13.8	0.0	145.6	0.0	HEAPHY TERRACE
4132 - 4955	5 0	22	47.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	147.3	0.0	
4955 - 4961	5 0	100	47.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	154.9	0.0	HEAPHY TERRACE
4961 - 7919	5 0	100	47.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	162.6	0.0	HEAPHY TERRACE
7919 - 7925	5 0	7	47.2	0.0	0.5	0.0	0.0	0.0	0.5	0.0	163.1	0.0	
7925 - 7921	5 0	94	47.2	0.0	7.2	0.0	0.0	0.0	7.2	0.0	170.3	0.0	HEAPHY TERRACE
7921 - 7923	5 0	19	47.1	0.0	1.5	0.0	0.0	0.0	1.5	0.0	171.7	0.0	
7923 - 7013	5 0	70	47.4	0.0	5.3	0.0	0.0	0.0	5.3	0.0	177.1	0.0	HEAPHY TERRACE
7013 - 7924	5 0	32	47.3	0.0	2.4	0.0	1.0	0.0	3.4	0.0	180.5	0.0	HEAPHY TERRACE
7924 - 3703	5 0	114	47.1	0.0	8.7	0.0	0.0	0.0	8.7	0.0	189.2	0.0	HEAPHY TERRACE
3703 - 6751	5 0	176	47.4	0.0	13.4	0.0	0.0	0.0	13.4	0.0	202.6	0.0	HEAPHY TERRACE
6751 - 7738	5 0	132	47.7	0.0	10.0	0.0	0.0	0.0	10.0	0.0	212.5	0.0	HEAPHY TERRACE
7738 - 3707	5 4	184	47.7	0.0	13.9	0.0	9.0	0.0	22.9	0.0	235.4	0.0	HEAPHY TERRACE
3707 - 6906	6 0	92	57.2	0.0	5.8	0.0	0.0	0.0	5.8	0.0	241.2	0.0	CLARKIN ROAD
6906 - 7740	6 0	106	58.3	0.0	6.5	0.0	1.0	0.0	7.5	0.0	248.8	0.0	CLARKIN ROAD
7740 - 6605	6 0	172	58.3	0.0	10.6	0.0	1.0	0.0	11.6	0.0	260.4	0.0	CLARKIN ROAD
6605 - 6606	6 0	68	58.5	0.0	4.2	0.0	2.0	0.0	6.2	0.0	266.6	0.0	CLARKIN ROAD
6606 - 7254	6 0	139	58.4	0.0	8.6	0.0	2.0	0.0	10.6	0.0	277.1	0.0	CLARKIN ROAD
7254 - 3112	6 0	211	58.6	0.0	13.0	0.0	2.0	0.0	15.0	0.0	292.1	0.0	CLARKIN ROAD
3112 - 6677	6 4	262	59.4	0.0	15.9	0.0	9.0	0.0	24.9	0.0	317.0	0.0	CLARKIN ROAD
6677 - 7105	6 0	82	55.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	322.3	0.0	RIVER ROAD
7105 - 7074	6 4	352	55.8	0.0	22.7	0.0	31.0	0.0	53.7	0.0	376.0	0.0	RIVER ROAD
7074 - 3605	6 3	59	53.9	0.0	3.9	0.0	24.0	0.0	27.9	0.0	403.9	0.0	RIVER ROAD
3605 - 3606	4 0	50	20.0	0.0	9.0	0.0	0.0	0.0	9.0	0.0	412.9	0.0	FAIRFIELD BRIDGE
3606 - 4907	4 0	146	20.0	0.0	26.3	0.0	0.0	0.0	26.3	0.0	439.2	0.0	FAIRFIELD BRIDGE
4907 - 4769	21 7	15	35.1	0.0	1.5	0.0	115.0	0.0	116.5	0.0	555.7	0.0	
4769 - 4768	15 0	156	52.0	0.0	10.8	0.0	3.4	0.0	14.2	0.0	569.9	0.0	VICTORIA STREET
Modelled Totals		4077	25.8		307.5		262.4		569.9				
Observed Totals				0.0		361.0		156.6		517.6			

```
Observed Journey Time =   517.64     Implied Average Speed =  28.4
Modelled Journey Time =   569.94    Modelled Average Speed =  25.8
                        110.10%                              90.82%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 43 Movement Analysis - times in seconds

R6bNB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3448 -  3450    5 0   119  49.2   0.0    8.7    0.0   0.0     0.0    8.7    0.0     8.7     0.0    VICTORIA STREET
 3450 -  3449    5 0    11  49.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0     9.5     0.0
 3449 -  3452    5 6   113  49.4   0.0    8.2    0.0  27.0     0.0   35.2    0.0    44.7     0.0    VICTORIA STREET
 3452 -  6732    5 0   244  49.3   0.0   17.8    0.0   0.0     0.0   17.8    0.0    62.6     0.0    VICTORIA STREET
 6732 - 10455    5 0    71  49.3   0.0    5.2    0.0   0.0     0.0    5.2    0.0    67.7     0.0    VICTORIA STREET
10455 -  6730    5 0    56  49.4   0.0    4.1    0.0   0.0     0.0    4.1    0.0    71.8     0.0    VICTORIA STREET
 6730 -  3132    5 0   114  49.4   0.0    8.3    0.0  10.0     0.0   18.3    0.0    90.1     0.0    VICTORIA STREET
 3132 - 10469    5 0   189  49.7   0.0   13.7    0.0   0.0     0.0   13.7    0.0   103.8     0.0    VICTORIA STREET
10469 -  8250    5 0    59  49.7   0.0    4.3    0.0   0.0     0.0    4.3    0.0   108.1     0.0    VICTORIA STREET
 8250 -  4951    5 6    38  49.7   0.0    2.8    0.0  53.0     0.0   55.8    0.0   163.9     0.0    VICTORIA STREET
 4951 -  4952   15 0    82  53.4   0.0    5.5    0.0   0.0     0.0    5.5    0.0   169.4     0.0    VICTORIA STREET
 4952 -  7213   15 0    76  53.5   0.0    5.1    0.0   2.0     0.0    7.1    0.0   176.5     0.0    VICTORIA STREET
 7213 -  7107   15 0   194  53.5   0.0   13.1    0.0   0.0     0.0   13.1    0.0   189.6     0.0    VICTORIA STREET
 7107 -  7109   15 0    70  54.0   0.0    4.7    0.0   0.0     0.0    4.7    0.0   194.2     0.0    VICTORIA STREET

Modelled Totals     1436  26.6        102.2         92.0          194.2
Observed Totals                 0.0         161.6         43.1         204.7

Observed Journey Time =   204.69     Implied Average Speed =  25.3
Modelled Journey Time =   194.22    Modelled Average Speed =  26.6
                          94.88%                             105.39%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 44 Movement Analysis - times in seconds

R6bSB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4768 -  7109   15 0   143  52.1   0.0    9.9    0.0   1.0     0.0   10.9    0.0    10.9     0.0    VICTORIA STREET
 7109 -  7107   15 0    70  52.1   0.0    4.8    0.0   3.0     0.0    7.8    0.0    18.7     0.0    VICTORIA STREET
 7107 -  7213   15 0   194  52.1   0.0   13.4    0.0   1.0     0.0   14.4    0.0    33.1     0.0    VICTORIA STREET
 7213 -  4952   15 0    76  52.0   0.0    5.3    0.0   0.0     0.0    5.3    0.0    38.4     0.0    VICTORIA STREET
 4952 -  4951   15 6    82  52.0   0.0    5.7    0.0  34.0     0.0   39.7    0.0    78.1     0.0    VICTORIA STREET
 4951 -  8250    5 0    38  49.3   0.0    2.8    0.0   0.0     0.0    2.8    0.0    80.8     0.0    VICTORIA STREET
 8250 - 10469    5 0    59  48.2   0.0    4.4    0.0   0.0     0.0    4.4    0.0    85.2     0.0    VICTORIA STREET
10469 -  3132    5 6   189  48.3   0.0   14.1    0.0  11.0     0.0   25.1    0.0   110.3     0.0    VICTORIA STREET
 3132 -  6730    5 0   114  48.2   0.0    8.5    0.0   0.0     0.0    8.5    0.0   118.8     0.0    VICTORIA STREET
 6730 - 10455    5 0    56  48.2   0.0    4.2    0.0   0.0     0.0    4.2    0.0   123.0     0.0    VICTORIA STREET
10455 -  6732    5 0    71  48.2   0.0    5.3    0.0   0.0     0.0    5.3    0.0   128.3     0.0    VICTORIA STREET
 6732 -  3452    5 7   244  48.6   0.0   18.1    0.0  28.0     0.0   46.1    0.0   174.4     0.0    VICTORIA STREET
 3452 -  3449    5 0   113  48.7   0.0    8.4    0.0   0.0     0.0    8.4    0.0   182.8     0.0    VICTORIA STREET
 3449 -  3450    5 0    11  48.9   0.0    0.8    0.0   0.0     0.0    0.8    0.0   183.6     0.0
 3450 -  3448    5 7   119  48.9   0.0    8.8    0.0  29.4     0.0   38.2    0.0   221.7     0.0    VICTORIA STREET

Modelled Totals     1579  25.6        114.3        107.4          221.7
Observed Totals                 0.0         188.0          23.7         211.7

Observed Journey Time =   211.67     Implied Average Speed =  26.9
Modelled Journey Time =   221.73    Modelled Average Speed =  25.6
                        104.75%                             95.46%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 45 Movement Analysis - times in seconds

R6cEB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 7102 - 10445   14 0    51  44.2   0.0    4.2    0.0   0.0     0.0    4.2    0.0     4.2     0.0    VICTORIA STREET
10445 -  8235   14 0   210  44.2   0.0   17.1    0.0   0.0     0.0   17.1    0.0    21.3     0.0    VICTORIA STREET
 8235 -  2738   14 6    25  45.1   0.0    2.0    0.0   0.0     0.0    2.0    0.0    23.3     0.0    VICTORIA STREET
 2738 -  8233    5 0    31  46.6   0.0    2.4    0.0   0.0     0.0    2.4    0.0    25.6     0.0    BRIDGE STREET
 8233 -  9824    5 0   258  45.0   0.0   20.6    0.0   0.0     0.0   20.6    0.0    46.3     0.0
 9824 -  3519    5 0    11  45.0   0.0    0.9    0.0   0.0     0.0    0.9    0.0    47.2     0.0
 3519 -  6711    5 0    76  43.6   0.0    6.3    0.0   0.0     0.0    6.3    0.0    53.4     0.0    BRIDGE STREET
 6711 -  8230    5 0    52  44.6   0.0    4.2    0.0   0.0     0.0    4.2    0.0    57.6     0.0    BRIDGE STREET
 8230 -  8229    5 4    48  48.3   0.0    3.6    0.0   6.0     0.0    9.6    0.0    67.2     0.0    BRIDGE STREET
 8229 -  6715    5 0    70  47.8   0.0    5.3    0.0   0.0     0.0    5.3    0.0    72.5     0.0    GREY STREET
 6715 -  4913    5 0   240  48.0   0.0   18.0    0.0   1.0     0.0   19.0    0.0    91.5     0.0    GREY STREET
 4913 - 10646    5 0   385  47.8   0.0   29.0    0.0   0.0     0.0   29.0    0.0   120.5     0.0    GREY STREET
10646 -  3752    5 3   170  47.6   0.0   12.9    0.0  18.1     0.0   31.0    0.0   151.4     0.0    GREY STREET

Modelled Totals     1627  38.7        126.3         25.1          151.4
Observed Totals                 0.0         114.0         52.5         166.5

Observed Journey Time =   166.50     Implied Average Speed =  35.2
Modelled Journey Time =   151.44    Modelled Average Speed =  38.7
                          90.96%                            109.94%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 14-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 46 Movement Analysis - times in seconds

R6cWB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3752 - 10646    5 0   170  46.4   0.0   13.2    0.0   0.0     0.0   13.2    0.0    13.2     0.0    GREY STREET
10646 -  4913    5 0   385  46.4   0.0   29.9    0.0   1.0     0.0   30.9    0.0    44.1     0.0    GREY STREET
 4913 -  6715    5 0   240  46.6   0.0   18.5    0.0   1.0     0.0   19.5    0.0    63.6     0.0    GREY STREET
 6715 -  8229    5 0    70  46.7   0.0    5.4    0.0   0.0     0.0    5.4    0.0    69.0     0.0    GREY STREET
 8229 -  7494    5 6    35  46.7   0.0    2.7    0.0  33.0     0.0   35.7    0.0   104.7     0.0    GREY STREET
 7494 -  8230    5 0    30  13.9   0.0    7.8    0.0   0.0     0.0    7.8    0.0   112.5     0.0    BRIDGE STREET
 8230 -  6711    5 0    52  13.9   0.0   13.5    0.0   0.0     0.0   13.5    0.0   125.9     0.0    BRIDGE STREET
 6711 -  3519    5 0    76  13.7   0.0   20.0    0.0   0.0     0.0   20.0    0.0   145.9     0.0    BRIDGE STREET
 3519 -  9824    5 0    11  36.1   0.0    1.1    0.0   0.0     0.0    1.1    0.0   147.0     0.0
 9824 -  8233    5 0   258  36.1   0.0   25.7    0.0   0.0     0.0   25.7    0.0   172.7     0.0
 8233 -  2738    5 6    31  36.1   0.0    3.1    0.0  31.0     0.0   34.1    0.0   206.8     0.0    BRIDGE STREET
 2738 -  8235   14 0    25  42.0   0.0    2.1    0.0   0.0     0.0    2.1    0.0   209.0     0.0    VICTORIA STREET
 8235 - 10445   14 0   210  43.5   0.0   17.4    0.0   2.0     0.0   19.4    0.0   228.3     0.0    VICTORIA STREET
10445 -  7102   14 0    51  43.4   0.0    4.2    0.0   0.0     0.0    4.2    0.0   232.6     0.0    VICTORIA STREET

Modelled Totals     1644  25.4        164.6         68.0          232.6
Observed Totals                0.0         179.7         70.4         250.1

Observed Journey Time =   250.11     Implied Average Speed =  23.7
Modelled Journey Time =   232.57    Modelled Average Speed =  25.4
                          92.99%                             107.54%

 JURNEY terminated successfully
```

Inter Peak Travel Time Validation Output Files

```
+-------------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-------------------------------------------------------------------------------------------+


                                +---------------------------------------------+
                                | TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
                                |  TRACKS +-------------------------+ TRACKS  |
                                | S TRACKS|                         |S TRACKS |
                                | KS TRACK|   Program  :     JURNEY |KS TRACK |
                                | CKS TRAC|   Version  :      V7.03 |CKS TRAC |
                                | ACKS TRA|                         |ACKS TRA |
                                | RACKS TR|   Date run :  17-MAR-14 |RACKS TR |
                                | TRACKS T|   Time run :   15:45:10 |TRACKS T |
                                |  TRACKS |   Platform :  Win 95/NT | TRACKS  |
                                | S TRACKS+-------------------------+S TRACKS |
                                | KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
                                +---------------------------------------------+
                                +---------------------------------------------+
                                |            TRACKS Licenced to               |
                                |  Gabites Porter                             |
                                |         at :   Christchurch, N.Z.           |
                                +---------------------------------------------+
                                           Parameter version : V5.20


 JURNEY Data File  : REGJNY.DAT
 Loaded Network    : WL06B0IALLB0.NL
                       27424 Links in network

+-------------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-------------------------------------------------------------------------------------------+

Journey  1 Movement Analysis - times in seconds

R1EB SH2

   Link      Types   Dist    Mdl   Obs    Mdl    Obs   Mdl      Obs    Mdl    Obs   Accum   Accum      Street Name
             Lnk Ap   (m)    Spd   Spd   Time   Time Delay    Delay  Total  Total     Mdl    Time
11582 -  9564   19 0  8269  93.8   0.0  317.4    0.0   0.0      0.0  317.4    0.0   317.4     0.0     -- no name --
 9564 - 10185   10 0  1086  99.1   0.0   39.5    0.0   2.0      0.0   41.5    0.0   358.8     0.0     SH2
10185 - 10184   10 0  3828  99.0   0.0  139.2    0.0   0.0      0.0  139.2    0.0   498.0     0.0     SH 2
10184 - 10179   10 0  4818  99.3   0.0  174.7    0.0   0.0      0.0  174.7    0.0   672.7     0.0     SH 2
10179 -  9561   18 0  4323  83.5   0.0  186.4    0.0   0.0      0.0  186.4    0.0   859.1     0.0     SH 2
 9561 -  8302   18 0  3842  83.5   0.0  165.6    0.0   0.0      0.0  165.6    0.0  1024.7     0.0     SH 2
 8302 -  9559   10 0  4284  99.3   0.0  155.3    0.0   0.0      0.0  155.3    0.0  1180.0     0.0     SH 2
 9559 -  9719   10 0  3055  99.2   0.0  110.9    0.0   0.0      0.0  110.9    0.0  1290.9     0.0     SH 2
 9719 -  9720   10 0   115  99.3   0.0    4.2    0.0   0.0      0.0    4.2    0.0  1295.1     0.0     SH 2
 9720 -  2941   19 0  2118  94.1   0.0   81.0    0.0   0.0      0.0   81.0    0.0  1376.1     0.0     SH 2
 2941 -  8445   19 0  1113  94.2   0.0   42.5    0.0   0.0      0.0   42.5    0.0  1418.6     0.0     SH 2
 8445 -  8444    5 4   128  49.9   0.0    9.2    0.0   4.0      0.0   13.2    0.0  1431.9     0.0     off ramp
 8444 - 10731    9 0  6059  89.0   0.0  245.1    0.0   0.0      0.0  245.1    0.0  1676.9     0.0     SH 2
10731 -  8828    9 0  3629  89.0   0.0  146.8    0.0   0.0      0.0  146.8    0.0  1823.7     0.0     SH 2
 8828 -  8829    8 0   957  79.3   0.0   43.4    0.0   0.0      0.0   43.4    0.0  1867.2     0.0     SH 2
 8829 -  8303    5 0   433  48.9   0.0   31.9    0.0   0.0      0.0   31.9    0.0  1899.0     0.0     SH 2
 8303 -  8718    5 0   394  48.6   0.0   29.2    0.0   0.0      0.0   29.2    0.0  1928.2     0.0     SH 2
 8718 -  8830    8 0  2674  79.1   0.0  121.7    0.0   0.0      0.0  121.7    0.0  2049.9     0.0
 8830 -  8305   10 0  3113  99.6   0.0  112.5    0.0   0.0      0.0  112.5    0.0  2162.5     0.0     SH 2
 8305 -  8687   10 0   853  99.6   0.0   30.8    0.0   0.0      0.0   30.8    0.0  2193.3     0.0     SH 2
 8687 -  8684   10 0  1674  99.5   0.0   60.6    0.0   0.0      0.0   60.6    0.0  2253.8     0.0     SH 2
 8684 -  8768   10 0  3761  99.6   0.0  135.9    0.0   0.0      0.0  135.9    0.0  2389.8     0.0     SH 2
 8768 -  8873   19 0  3775  94.4   0.0  144.0    0.0   0.0      0.0  144.0    0.0  2533.8     0.0     SH 2
 8873 -  3384   19 0  2233  94.5   0.0   85.1    0.0   0.0      0.0   85.1    0.0  2618.8     0.0     SH 2
 3384 -  8580   19 0  1733  94.4   0.0   66.1    0.0   0.0      0.0   66.1    0.0  2684.9     0.0     SH 2
 8580 -  3396   17 0  1170  74.2   0.0   56.8    0.0   0.0      0.0   56.8    0.0  2741.7     0.0     SH 2
 3396 -  8827   17 0   687  74.2   0.0   33.3    0.0   0.0      0.0   33.3    0.0  2775.0     0.0     SH 2
 8827 -  8312    5 0   338  48.9   0.0   24.9    0.0   0.0      0.0   24.9    0.0  2799.9     0.0     SH 2
 8312 -  8313    5 0   133  48.8   0.0    9.8    0.0   0.0      0.0    9.8    0.0  2809.7     0.0     SH 2
 8313 -  9184    4 0   158  38.9   0.0   14.6    0.0   0.0      0.0   14.6    0.0  2824.3     0.0     SH 2
 9184 -  8685    4 0    88  38.7   0.0    8.2    0.0   0.0      0.0    8.2    0.0  2832.5     0.0     SH 2
 8685 -  9165    4 0   750  39.3   0.0   68.7    0.0   0.0      0.0   68.7    0.0  2901.2     0.0     SH 2
 9165 -  9156    5 0   178  47.5   0.0   13.5    0.0   0.0      0.0   13.5    0.0  2914.7     0.0     SH 26
 9156 -  8720    6 0   712  58.2   0.0   44.0    0.0   0.0      0.0   44.0    0.0  2958.7     0.0     SH 2
 8720 -  8320    8 0  5754  78.9   0.0  262.5    0.0   0.0      0.0  262.5    0.0  3221.3     0.0     SH 2
 8320 -  8826    8 0  5351  79.0   0.0  243.8    0.0   0.0      0.0  243.8    0.0  3465.1     0.0     SH 2
 8826 -  8868    9 0  6376  89.0   0.0  257.9    0.0   0.0      0.0  257.9    0.0  3723.0     0.0     SH 2
 8868 -  3401    9 0   981  89.0   0.0   39.7    0.0   0.0      0.0   39.7    0.0  3762.7     0.0     SH 2
 3401 -  8310    9 0   326  88.8   0.0   13.2    0.0   0.0      0.0   13.2    0.0  3775.9     0.0     SH 2
 8310 -  9159   16 0    68  64.1   0.0    3.8    0.0   0.0      0.0    3.8    0.0  3779.7     0.0     SH 2
 9159 -  9160   16 0   136  64.6   0.0    7.6    0.0   0.0      0.0    7.6    0.0  3787.3     0.0     SH 2
 9160 -  9181   16 0   270  64.6   0.0   15.0    0.0   0.0      0.0   15.0    0.0  3802.4     0.0     SH 2
 9181 -  8311    5 0   212  49.1   0.0   15.5    0.0   0.0      0.0   15.5    0.0  3817.9     0.0     SH 2
 8311 -  8604    4 3   158  38.8   0.0   14.7    0.0   9.0      0.0   23.7    0.0  3841.6     0.0     SH 2
 8604 -  8605    4 0    47  39.2   0.0    4.3    0.0   0.0      0.0    4.3    0.0  3845.9     0.0     SH 2
 8605 -  8536    5 0   128  49.1   0.0    9.4    0.0   1.0      0.0   10.4    0.0  3856.3     0.0     SH 2
 8536 -  9178    6 0   821  59.0   0.0   50.1    0.0   0.0      0.0   50.1    0.0  3906.4     0.0     SH 2
 9178 -  9157    9 0   378  88.6   0.0   15.4    0.0   0.0      0.0   15.4    0.0  3921.7     0.0     SH 2
 9157 -  8646    9 0   930  88.6   0.0   37.8    0.0   0.0      0.0   37.8    0.0  3959.5     0.0     SH 2
 8646 -  8317    9 0   263  88.5   0.0   10.7    0.0   0.0      0.0   10.7    0.0  3970.2     0.0     SH 2
 8317 -  8906    9 0    54  88.6   0.0    2.2    0.0   2.0      0.0    4.2    0.0  3974.4     0.0     SH 2
 8906 -  3398    9 0  1339  88.9   0.0   54.2    0.0   0.0      0.0   54.2    0.0  4028.6     0.0     SH 2
 3398 -  9142    9 0  1279  89.0   0.0   51.7    0.0   0.0      0.0   51.7    0.0  4080.4     0.0     SH 2
```

9142 -	8318	9	0	2434	89.0	0.0	98.5	0.0	0.0	0.0	98.5	0.0	4178.8	0.0	SH 2
8318 -	8281	9	0	2990	88.8	0.0	121.2	0.0	0.0	0.0	121.2	0.0	4300.0	0.0	SH 2
8281 -	8698	9	0	2517	88.8	0.0	102.0	0.0	0.0	0.0	102.0	0.0	4402.1	0.0	SH 2
8698 -	8666	9	0	3224	88.5	0.0	131.1	0.0	0.0	0.0	131.1	0.0	4533.2	0.0	KATIKATI NORTH ROAD
8666 -	3517	9	0	2533	88.5	0.0	103.0	0.0	0.0	0.0	103.0	0.0	4636.3	0.0	KATIKATI NORTH ROAD
3517 -	8773	9	0	1338	88.4	0.0	54.5	0.0	0.0	0.0	54.5	0.0	4690.7	0.0	KATIKATI NORTH ROAD
8773 -	8747	9	0	3034	88.3	0.0	123.7	0.0	0.0	0.0	123.7	0.0	4814.4	0.0	KATIKATI NORTH ROAD
8747 -	8690	5	0	1437	47.4	0.0	109.1	0.0	0.0	0.0	109.1	0.0	4923.6	0.0	KATIKATI NORTH ROAD
8690 -	3608	5	0	863	47.1	0.0	66.0	0.0	0.0	0.0	66.0	0.0	4989.5	0.0	MAIN ROAD
3608 -	8581	5	0	687	47.2	0.0	52.4	0.0	0.0	0.0	52.4	0.0	5041.9	0.0	MAIN ROAD
8581 -	8327	9	0	4588	88.1	0.0	187.5	0.0	0.0	0.0	187.5	0.0	5229.4	0.0	TAURANGA WEST ROAD
8327 -	3610	9	0	3871	88.1	0.0	158.2	0.0	0.0	0.0	158.2	0.0	5387.6	0.0	TAURANGA WEST ROAD
3610 -	3609	9	0	2804	88.1	0.0	114.6	0.0	0.0	0.0	114.6	0.0	5502.2	0.0	TAURANGA WEST ROAD
3609 -	3611	9	0	4292	87.9	0.0	175.8	0.0	0.0	0.0	175.8	0.0	5678.0	0.0	TAURANGA WEST ROAD
3611 -	8728	9	0	1827	87.7	0.0	75.0	0.0	0.0	0.0	75.0	0.0	5753.0	0.0	TAURANGA WEST ROAD
8728 -	3613	8	0	994	77.1	0.0	46.4	0.0	0.0	0.0	46.4	0.0	5799.4	0.0	TAURANGA WEST ROAD
3613 -	8885	8	0	990	77.0	0.0	46.3	0.0	0.0	0.0	46.3	0.0	5845.7	0.0	TAURANGA WEST ROAD
8885 -	8328	8	0	2138	76.9	0.0	100.1	0.0	0.0	0.0	100.1	0.0	5945.7	0.0	TAURANGA WEST ROAD
8328 -	9387	8	0	713	76.8	0.0	33.4	0.0	0.0	0.0	33.4	0.0	5979.2	0.0	TAURANGA WEST ROAD
9387 -	9389	8	0	2148	76.7	0.0	100.8	0.0	0.0	0.0	100.8	0.0	6080.0	0.0	TAURANGA WEST ROAD
9389 -	9049	8	0	1002	76.7	0.0	47.0	0.0	0.0	0.0	47.0	0.0	6127.0	0.0	TAURANGA WEST ROAD
9049 -	8884	7	0	1232	66.6	0.0	66.6	0.0	0.0	0.0	66.6	0.0	6193.6	0.0	TAURANGA WEST ROAD
8884 -	9390	7	0	113	66.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	6199.8	0.0	
9390 -	9401	6	0	108	54.8	0.0	7.1	0.0	0.0	0.0	7.1	0.0	6206.9	0.0	
9401 -	9376	6	0	746	54.8	0.0	49.0	0.0	0.0	0.0	49.0	0.0	6255.9	0.0	SH 2
9376 -	9255	6	0	340	54.9	0.0	22.3	0.0	0.0	0.0	22.3	0.0	6278.2	0.0	SH 2
9255 -	9254	6	3	443	54.0	0.0	29.5	0.0	13.0	0.0	42.5	0.0	6320.7	0.0	SH 2
9254 -	9381	17	0	721	70.3	0.0	36.9	0.0	0.0	0.0	36.9	0.0	6357.6	0.0	SH 2
9381 -	9292	17	0	614	70.1	0.0	31.5	0.0	0.0	0.0	31.5	0.0	6389.1	0.0	SH 2
9292 -	9341	17	0	215	72.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	6399.9	0.0	TAMATEA ARIKINUI DRIV
9341 -	9336	17	0	345	73.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	6416.8	0.0	TAMATEA ARIKINUI DRIV
9336 -	9335	17	0	594	73.5	0.0	29.1	0.0	0.0	0.0	29.1	0.0	6445.9	0.0	TAMATEA ARIKINUI DRIV
9335 -	8732	17	0	38	73.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	6447.7	0.0	TAMATEA ARIKINUI DRIV
8732 -	9623	17	0	34	73.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	6449.4	0.0	TAMATEA ARIKINUI DRIV
9623 -	9324	17	0	251	73.0	0.0	12.4	0.0	0.0	0.0	12.4	0.0	6461.8	0.0	TAMATEA ARIKINUI DRIV
9324 -	9350	17	0	94	72.3	0.0	4.7	0.0	0.0	0.0	4.7	0.0	6466.5	0.0	TAMATEA ARIKINUI DRIV
9350 -	9325	17	0	233	72.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	6478.1	0.0	TAMATEA ARIKINUI DRIV
9325 -	9459	17	0	339	72.3	0.0	16.9	0.0	0.0	0.0	16.9	0.0	6494.9	0.0	TAMATEA ARIKINUI DRIV
9459 -	9263	17	0	248	72.1	0.0	12.4	0.0	0.0	0.0	12.4	0.0	6507.3	0.0	TAMATEA ARIKINUI DRIV
9263 -	9262	17	0	116	72.1	0.0	5.8	0.0	0.0	0.0	5.8	0.0	6513.1	0.0	TAMATEA ARIKINUI DRIV
9262 -	9348	15	6	386	51.6	0.0	26.9	0.0	15.0	0.0	41.9	0.0	6555.1	0.0	TAMATEA ARIKINUI DRIV
9348 -	9369	15	0	282	48.0	0.0	21.1	0.0	0.0	0.0	21.1	0.0	6576.2	0.0	SH 2
9369 -	9364	15	7	283	47.3	0.0	21.5	0.0	14.0	0.0	35.5	0.0	6611.7	0.0	SH 2
9364 -	8898	15	0	266	41.0	0.0	23.4	0.0	2.0	0.0	25.4	0.0	6637.1	0.0	SH 2
8898 -	9400	15	0	1346	35.0	0.0	138.4	0.0	0.0	0.0	138.4	0.0	6775.5	0.0	SH 2
9400 -	9388	8	0	810	76.9	0.0	37.9	0.0	0.0	0.0	37.9	0.0	6813.5	0.0	SH 2
9388 -	9395	15	3	71	51.5	0.0	5.0	0.0	12.1	0.0	17.1	0.0	6830.5	0.0	SH 2

Modelled Totals	154044	81.2	6756.4	74.1	6830.5
Observed Totals		0.0	6894.0	10.1	6904.1

Observed Journey Time =	6904.10	Implied Average Speed =	80.3
Modelled Journey Time =	6830.52	Modelled Average Speed =	81.2
	98.93%		101.08%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  2 Movement Analysis - times in seconds

R1WB SH2
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9395 - 9388	15	0	71	51.5	0.0	5.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	SH 2
9388 - 9400	8	0	810	76.9	0.0	37.9	0.0	0.0	0.0	37.9	0.0	42.9	0.0	SH 2
9400 - 8898	15	0	1346	35.5	0.0	136.5	0.0	2.0	0.0	138.5	0.0	181.4	0.0	SH 2
8898 - 9364	15	7	266	42.8	0.0	22.4	0.0	14.0	0.0	36.4	0.0	217.8	0.0	SH 2
9364 - 9369	15	0	283	48.0	0.0	21.2	0.0	0.0	0.0	21.2	0.0	239.0	0.0	SH 2
9369 - 9348	15	6	282	47.1	0.0	21.6	0.0	13.0	0.0	34.6	0.0	273.5	0.0	SH 2
9348 - 9262	15	0	386	52.2	0.0	26.6	0.0	0.0	0.0	26.6	0.0	300.2	0.0	TAMATEA ARIKINUI DRIV
9262 - 9263	17	0	116	72.7	0.0	5.7	0.0	0.0	0.0	5.7	0.0	305.9	0.0	TAMATEA ARIKINUI DRIV
9263 - 9459	17	0	248	72.7	0.0	12.3	0.0	0.0	0.0	12.3	0.0	318.2	0.0	TAMATEA ARIKINUI DRIV
9459 - 9325	17	0	339	72.7	0.0	16.8	0.0	0.0	0.0	16.8	0.0	335.0	0.0	TAMATEA ARIKINUI DRIV
9325 - 9350	17	0	233	71.9	0.0	11.7	0.0	0.0	0.0	11.7	0.0	346.6	0.0	TAMATEA ARIKINUI DRIV
9350 - 9324	17	0	94	71.9	0.0	4.7	0.0	0.0	0.0	4.7	0.0	351.3	0.0	TAMATEA ARIKINUI DRIV
9324 - 9623	17	0	251	71.9	0.0	12.6	0.0	0.0	0.0	12.6	0.0	363.9	0.0	TAMATEA ARIKINUI DRIV
9623 - 9335	15	0	70	51.4	0.0	4.9	0.0	0.0	0.0	4.9	0.0	368.8	0.0	TAMATEA ARIKINUI DRIV
9335 - 9336	17	0	594	73.1	0.0	29.3	0.0	0.0	0.0	29.3	0.0	398.1	0.0	TAMATEA ARIKINUI DRIV
9336 - 9341	17	0	345	73.1	0.0	17.0	0.0	0.0	0.0	17.0	0.0	415.0	0.0	TAMATEA ARIKINUI DRIV
9341 - 9292	17	0	215	73.1	0.0	10.6	0.0	0.0	0.0	10.6	0.0	425.6	0.0	TAMATEA ARIKINUI DRIV
9292 - 9381	17	0	614	72.2	0.0	30.6	0.0	0.0	0.0	30.6	0.0	456.3	0.0	SH 2
9381 - 9254	17	3	721	72.3	0.0	35.9	0.0	13.0	0.0	48.9	0.0	505.2	0.0	SH 2
9254 - 9255	6	0	443	52.9	0.0	30.1	0.0	0.0	0.0	30.1	0.0	535.3	0.0	SH 2
9255 - 9376	6	0	340	54.3	0.0	22.5	0.0	0.0	0.0	22.5	0.0	557.8	0.0	SH 2
9376 - 9401	6	0	746	54.1	0.0	49.6	0.0	0.0	0.0	49.6	0.0	607.5	0.0	SH 2
9401 - 9390	6	0	108	54.1	0.0	7.2	0.0	0.0	0.0	7.2	0.0	614.7	0.0	
9390 - 8884	7	0	113	65.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	620.8	0.0	
8884 - 9049	7	0	1232	66.3	0.0	66.9	0.0	0.0	0.0	66.9	0.0	687.7	0.0	TAURANGA WEST ROAD
9049 - 9389	8	0	1002	76.5	0.0	47.2	0.0	0.0	0.0	47.2	0.0	734.9	0.0	TAURANGA WEST ROAD
9389 - 9387	8	0	2148	76.5	0.0	101.1	0.0	0.0	0.0	101.1	0.0	836.0	0.0	TAURANGA WEST ROAD
9387 - 8328	8	0	713	76.6	0.0	33.5	0.0	0.0	0.0	33.5	0.0	869.5	0.0	TAURANGA WEST ROAD
8328 - 8885	8	0	2138	76.7	0.0	100.3	0.0	0.0	0.0	100.3	0.0	969.8	0.0	TAURANGA WEST ROAD
8885 - 3613	8	0	990	76.8	0.0	46.4	0.0	0.0	0.0	46.4	0.0	1016.2	0.0	TAURANGA WEST ROAD
3613 - 8728	8	0	994	76.9	0.0	46.5	0.0	0.0	0.0	46.5	0.0	1062.8	0.0	TAURANGA WEST ROAD
8728 - 3611	9	0	1827	87.5	0.0	75.2	0.0	0.0	0.0	75.2	0.0	1137.9	0.0	TAURANGA WEST ROAD
3611 - 3609	9	0	4292	87.8	0.0	176.0	0.0	0.0	0.0	176.0	0.0	1313.9	0.0	TAURANGA WEST ROAD
3609 - 3610	9	0	2804	88.0	0.0	114.7	0.0	0.0	0.0	114.7	0.0	1428.6	0.0	TAURANGA WEST ROAD
3610 - 8327	9	0	3871	88.0	0.0	158.4	0.0	0.0	0.0	158.4	0.0	1587.0	0.0	TAURANGA WEST ROAD
8327 - 8581	9	0	4588	88.1	0.0	187.5	0.0	0.0	0.0	187.5	0.0	1774.5	0.0	TAURANGA WEST ROAD
8581 - 3608	5	0	687	47.3	0.0	52.3	0.0	0.0	0.0	52.3	0.0	1826.8	0.0	MAIN ROAD
3608 - 8690	5	0	863	47.0	0.0	66.1	0.0	0.0	0.0	66.1	0.0	1892.9	0.0	MAIN ROAD
8690 - 8747	5	0	1437	47.3	0.0	109.4	0.0	0.0	0.0	109.4	0.0	2002.2	0.0	KATIKATI NORTH ROAD
8747 - 8773	9	0	3034	88.3	0.0	123.7	0.0	0.0	0.0	123.7	0.0	2125.9	0.0	KATIKATI NORTH ROAD
8773 - 3517	9	0	1338	88.4	0.0	54.5	0.0	0.0	0.0	54.5	0.0	2180.4	0.0	KATIKATI NORTH ROAD
3517 - 8666	9	0	2533	88.5	0.0	103.0	0.0	0.0	0.0	103.0	0.0	2283.5	0.0	KATIKATI NORTH ROAD
8666 - 8698	9	0	3224	88.5	0.0	131.1	0.0	0.0	0.0	131.1	0.0	2414.6	0.0	KATIKATI NORTH ROAD
8698 - 8281	9	0	2517	88.8	0.0	102.0	0.0	0.0	0.0	102.0	0.0	2516.6	0.0	SH 2
8281 - 8318	9	0	2990	88.8	0.0	121.2	0.0	0.0	0.0	121.2	0.0	2637.9	0.0	SH 2
8318 - 9142	9	0	2434	89.0	0.0	98.5	0.0	0.0	0.0	98.5	0.0	2736.3	0.0	SH 2
9142 - 3398	9	0	1279	89.0	0.0	51.7	0.0	0.0	0.0	51.7	0.0	2788.0	0.0	SH 2
3398 - 8906	9	0	1339	89.0	0.0	54.2	0.0	0.0	0.0	54.2	0.0	2842.2	0.0	SH 2
8906 - 8317	9	0	54	88.6	0.0	2.2	0.0	0.0	0.0	2.2	0.0	2844.4	0.0	SH 2
8317 - 8646	9	0	263	88.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	2855.1	0.0	SH 2
8646 - 9157	9	0	930	88.7	0.0	37.7	0.0	0.0	0.0	37.7	0.0	2892.8	0.0	SH 2
9157 - 9178	9	0	378	88.6	0.0	15.4	0.0	0.0	0.0	15.4	0.0	2908.2	0.0	SH 2
9178 - 8536	6	0	821	59.0	0.0	50.1	0.0	1.0	0.0	51.1	0.0	2959.3	0.0	SH 2
8536 - 8605	5	0	128	48.6	0.0	9.5	0.0	0.0	0.0	9.5	0.0	2968.8	0.0	SH 2
8605 - 8604	4	3	47	38.8	0.0	4.4	0.0	4.0	0.0	8.4	0.0	2977.1	0.0	SH 2
8604 - 8311	4	0	158	38.5	0.0	14.8	0.0	0.0	0.0	14.8	0.0	2991.9	0.0	SH 2
8311 - 9181	5	0	212	48.7	0.0	15.7	0.0	0.0	0.0	15.7	0.0	3007.6	0.0	SH 2
9181 - 9160	16	0	270	64.3	0.0	15.1	0.0	0.0	0.0	15.1	0.0	3022.7	0.0	SH 2
9160 - 9159	16	0	136	64.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	3030.3	0.0	SH 2
9159 - 8310	16	0	68	63.9	0.0	3.8	0.0	0.0	0.0	3.8	0.0	3034.1	0.0	SH 2
8310 - 3401	9	0	326	88.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	3047.4	0.0	SH 2
3401 - 8868	9	0	981	88.9	0.0	39.7	0.0	0.0	0.0	39.7	0.0	3087.1	0.0	SH 2
8868 - 8826	9	0	6376	88.9	0.0	258.2	0.0	0.0	0.0	258.2	0.0	3345.3	0.0	SH 2
8826 - 8320	8	0	5351	78.8	0.0	244.5	0.0	0.0	0.0	244.5	0.0	3589.7	0.0	SH 2
8320 - 8720	8	0	5754	78.7	0.0	263.2	0.0	0.0	0.0	263.2	0.0	3853.0	0.0	SH 2
8720 - 9156	6	0	712	58.0	0.0	44.2	0.0	0.0	0.0	44.2	0.0	3897.1	0.0	SH 2
9156 - 9165	5	0	178	47.5	0.0	13.5	0.0	0.0	0.0	13.5	0.0	3910.6	0.0	SH 26
9165 - 8685	4	0	750	39.3	0.0	68.7	0.0	0.0	0.0	68.7	0.0	3979.3	0.0	SH 2
8685 - 9184	4	0	88	38.6	0.0	8.2	0.0	0.0	0.0	8.2	0.0	3987.5	0.0	SH 2
9184 - 8313	4	0	158	38.8	0.0	14.7	0.0	0.0	0.0	14.7	0.0	4002.2	0.0	SH 2
8313 - 8312	5	0	133	48.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	4012.0	0.0	SH 2
8312 - 8827	5	0	338	48.8	0.0	24.9	0.0	0.0	0.0	24.9	0.0	4037.0	0.0	SH 2
8827 - 3396	17	0	687	74.1	0.0	33.4	0.0	0.0	0.0	33.4	0.0	4070.4	0.0	SH 2
3396 - 8580	17	0	1170	74.1	0.0	56.8	0.0	0.0	0.0	56.8	0.0	4127.2	0.0	SH 2
8580 - 3384	19	0	1733	94.3	0.0	66.2	0.0	0.0	0.0	66.2	0.0	4193.4	0.0	SH 2
3384 - 8873	19	0	2233	94.4	0.0	85.2	0.0	0.0	0.0	85.2	0.0	4278.5	0.0	SH 2
8873 - 8768	19	0	3775	94.4	0.0	144.0	0.0	0.0	0.0	144.0	0.0	4422.5	0.0	SH 2
8768 - 8684	10	0	3761	99.6	0.0	135.9	0.0	0.0	0.0	135.9	0.0	4558.4	0.0	SH 2
8684 - 8687	10	0	1674	99.5	0.0	60.6	0.0	1.0	0.0	61.6	0.0	4620.0	0.0	SH 2
8687 - 8305	10	0	853	99.5	0.0	30.9	0.0	0.0	0.0	30.9	0.0	4650.8	0.0	SH 2
8305 - 8830	10	0	3113	99.5	0.0	112.6	0.0	0.0	0.0	112.6	0.0	4763.5	0.0	SH 2
8830 - 8718	8	0	2674	79.0	0.0	121.9	0.0	0.0	0.0	121.9	0.0	4885.3	0.0	
8718 - 8303	5	0	394	48.5	0.0	29.2	0.0	0.0	0.0	29.2	0.0	4914.6	0.0	SH 2
8303 - 8829	5	0	433	48.8	0.0	31.9	0.0	0.0	0.0	31.9	0.0	4946.5	0.0	SH 2
8829 - 8828	8	0	957	79.3	0.0	43.4	0.0	0.0	0.0	43.4	0.0	4990.0	0.0	SH 2
8828 - 10731	9	0	3629	89.0	0.0	146.8	0.0	0.0	0.0	146.8	0.0	5136.7	0.0	SH 2
10731 - 8444	9	0	6059	89.0	0.0	245.1	0.0	0.0	0.0	245.1	0.0	5381.8	0.0	SH 2
8444 - 9562	10	4	85	99.6	0.0	3.1	0.0	15.0	0.0	18.1	0.0	5399.9	0.0	SH 2
9562 - 8445	10	0	71	99.3	0.0	2.6	0.0	0.0	0.0	2.6	0.0	5402.5	0.0	SH 2

8445 -	2941	19 0	1113	94.2	0.0	42.5	0.0	0.0	0.0	42.5	0.0	5445.0	0.0	SH 2
2941 -	9720	19 0	2118	94.1	0.0	81.0	0.0	0.0	0.0	81.0	0.0	5526.0	0.0	SH 2
9720 -	9719	10 0	115	99.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	5530.2	0.0	SH 2
9719 -	9559	10 0	3055	99.2	0.0	110.9	0.0	0.0	0.0	110.9	0.0	5641.1	0.0	SH 2
9559 -	8302	10 0	4284	99.3	0.0	155.3	0.0	0.0	0.0	155.3	0.0	5796.4	0.0	SH 2
8302 -	9561	18 0	3842	83.5	0.0	165.6	0.0	0.0	0.0	165.6	0.0	5962.0	0.0	SH 2
9561 -	10179	18 0	4323	83.5	0.0	186.4	0.0	0.0	0.0	186.4	0.0	6148.4	0.0	SH 2
10179 -	10184	10 0	4818	99.3	0.0	174.7	0.0	0.0	0.0	174.7	0.0	6323.1	0.0	SH 2
10184 -	10185	10 0	3828	98.9	0.0	139.3	0.0	0.0	0.0	139.3	0.0	6462.4	0.0	SH 2
10185 -	9564	10 0	1086	99.0	0.0	39.5	0.0	0.0	0.0	39.5	0.0	6501.9	0.0	SH2
9564 -	11582	19 0	8269	93.7	0.0	317.7	0.0	0.0	0.0	317.7	0.0	6819.6	0.0	-- no name --

Modelled Totals	154070	81.3	6756.6		63.0		6819.6	
Observed Totals		0.0		6851.0		17.6		6868.6

Observed Journey Time =	6868.60	Implied Average Speed =	80.8
Modelled Journey Time =	6819.62	Modelled Average Speed =	81.3
	99.29%		100.72%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  3 Movement Analysis - times in seconds

R2aNB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3480 - 3488	15	0	176	52.2	0.0	12.1	0.0	0.0	0.0	12.1	0.0	12.1	0.0	GREAT SOUTH ROAD
3488 - 3514	15	0	163	52.2	0.0	11.2	0.0	0.0	0.0	11.2	0.0	23.4	0.0	GREAT SOUTH ROAD
3514 - 3501	15	3	180	52.2	0.0	12.4	0.0	8.0	0.0	20.4	0.0	43.8	0.0	GREAT SOUTH ROAD
3501 - 3513	15	0	68	52.5	0.0	4.7	0.0	0.0	0.0	4.7	0.0	48.5	0.0	GREAT SOUTH ROAD
3513 - 3511	15	0	344	49.9	0.0	24.8	0.0	0.0	0.0	24.8	0.0	73.3	0.0	GREAT SOUTH ROAD
3511 - 3504	15	3	118	52.5	0.0	8.1	0.0	12.0	0.0	20.1	0.0	93.4	0.0	GREAT SOUTH ROAD
3504 - 3508	8	0	114	78.2	0.0	5.2	0.0	3.0	0.0	8.2	0.0	101.6	0.0	TE RAPA ROAD
3508 - 6799	9	0	1043	86.9	0.0	43.2	0.0	0.0	0.0	43.2	0.0	144.8	0.0	TE RAPA ROAD
6799 - 3798	9	0	101	87.0	0.0	4.2	0.0	0.0	0.0	4.2	0.0	149.0	0.0	TE RAPA ROAD
3798 - 3296	9	0	747	87.3	0.0	30.8	0.0	0.0	0.0	30.8	0.0	179.8	0.0	GREAT SOUTH ROAD
3296 - 3797	9	0	475	87.3	0.0	19.6	0.0	0.0	0.0	19.6	0.0	199.4	0.0	GREAT SOUTH ROAD
3797 - 2802	10	0	139	97.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	204.5	0.0	SH 1
2802 - 10419	10	0	199	97.8	0.0	7.3	0.0	0.0	0.0	7.3	0.0	211.8	0.0	
10419 - 2803	10	0	37	97.8	0.0	1.4	0.0	0.0	0.0	1.4	0.0	213.2	0.0	
2803 - 2806	10	0	276	97.8	0.0	10.2	0.0	0.0	0.0	10.2	0.0	223.4	0.0	SH 1
2806 - 2545	10	0	345	97.8	0.0	12.7	0.0	0.0	0.0	12.7	0.0	236.1	0.0	SH 1
2545 - 2678	10	0	350	97.8	0.0	12.9	0.0	0.0	0.0	12.9	0.0	248.9	0.0	SH 1
2678 - 2680	10	0	89	97.8	0.0	3.3	0.0	0.0	0.0	3.3	0.0	252.2	0.0	SH 1
2680 - 10680	10	0	739	97.8	0.0	27.2	0.0	0.0	0.0	27.2	0.0	279.4	0.0	SH 1
10680 - 2679	10	0	567	97.8	0.0	20.9	0.0	0.0	0.0	20.9	0.0	300.3	0.0	SH 1
2679 - 2544	10	0	144	97.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	305.6	0.0	SH 1
2544 - 5565	10	0	186	97.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	312.4	0.0	SH 1
5565 - 2827	10	0	315	97.9	0.0	11.6	0.0	0.0	0.0	11.6	0.0	324.0	0.0	SH 1
2827 - 2833	10	0	384	98.1	0.0	14.1	0.0	0.0	0.0	14.1	0.0	338.1	0.0	SH 1
2833 - 2837	10	0	196	98.1	0.0	7.2	0.0	0.0	0.0	7.2	0.0	345.3	0.0	SH 1
2837 - 2831	10	0	83	98.1	0.0	3.0	0.0	0.0	0.0	3.0	0.0	348.3	0.0	SH 1
2831 - 4602	10	0	482	98.1	0.0	17.7	0.0	2.0	0.0	19.7	0.0	368.0	0.0	SH 1
4602 - 10335	10	0	536	98.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	387.7	0.0	SH 1
10335 - 2696	10	0	10	98.1	0.0	0.4	0.0	0.0	0.0	0.4	0.0	388.1	0.0	SH 1
2696 - 10585	10	0	949	98.1	0.0	34.8	0.0	0.0	0.0	34.8	0.0	422.9	0.0	SH 1
10585 - 4796	9	0	61	87.2	0.0	2.5	0.0	0.0	0.0	2.5	0.0	425.4	0.0	SH 1
4796 - 3779	10	0	715	98.1	0.0	26.2	0.0	0.0	0.0	26.2	0.0	451.6	0.0	SH 1
3779 - 3780	7	0	134	67.0	0.0	7.2	0.0	0.0	0.0	7.2	0.0	458.8	0.0	SH 1
3780 - 5577	7	0	182	67.0	0.0	9.8	0.0	0.0	0.0	9.8	0.0	468.6	0.0	SH 1
5577 - 5519	7	0	28	67.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	470.1	0.0	
5519 - 2809	7	0	359	67.2	0.0	19.2	0.0	0.0	0.0	19.2	0.0	489.4	0.0	SH 1
2809 - 5520	7	0	439	67.4	0.0	23.4	0.0	0.0	0.0	23.4	0.0	512.8	0.0	SH 1
5520 - 10230	7	0	153	67.6	0.0	8.1	0.0	0.0	0.0	8.1	0.0	521.0	0.0	SH 1
10230 - 4603	15	0	88	52.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	527.0	0.0	SH 1
4603 - 5824	15	0	99	52.3	0.0	6.8	0.0	0.0	0.0	6.8	0.0	533.8	0.0	
5824 - 5729	15	0	305	52.1	0.0	21.1	0.0	0.0	0.0	21.1	0.0	554.9	0.0	SH 1
5729 - 5764	15	0	172	52.1	0.0	11.9	0.0	0.0	0.0	11.9	0.0	566.8	0.0	SH 1
5764 - 5684	15	0	170	52.2	0.0	11.7	0.0	0.0	0.0	11.7	0.0	578.5	0.0	SH 1
5684 - 5731	15	0	146	52.0	0.0	10.1	0.0	0.0	0.0	10.1	0.0	588.6	0.0	SH 1
5731 - 5810	6	0	92	56.5	0.0	5.9	0.0	0.0	0.0	5.9	0.0	594.5	0.0	SH 1
5810 - 5765	6	0	66	57.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	598.7	0.0	SH 1
5765 - 5497	6	0	321	57.1	0.0	20.2	0.0	1.0	0.0	21.2	0.0	619.9	0.0	
5497 - 4184	6	0	15	57.4	0.0	0.9	0.0	0.0	0.0	0.9	0.0	620.8	0.0	
4184 - 4183	6	0	164	57.4	0.0	10.3	0.0	0.0	0.0	10.3	0.0	631.1	0.0	SH 1
4183 - 5521	6	0	150	57.4	0.0	9.4	0.0	0.0	0.0	9.4	0.0	640.5	0.0	SH 1
5521 - 10229	6	0	139	57.4	0.0	8.7	0.0	0.0	0.0	8.7	0.0	649.2	0.0	SH 1
10229 - 2818	9	0	547	87.9	0.0	22.4	0.0	0.0	0.0	22.4	0.0	671.6	0.0	SH 1
2818 - 2849	9	0	430	87.8	0.0	17.6	0.0	0.0	0.0	17.6	0.0	689.3	0.0	SH 1
2849 - 2811	9	0	864	87.8	0.0	35.4	0.0	0.0	0.0	35.4	0.0	724.7	0.0	SH 1
2811 - 5712	9	0	1301	87.8	0.0	53.3	0.0	0.0	0.0	53.3	0.0	778.0	0.0	SH 1
5712 - 2688	9	0	192	87.8	0.0	7.9	0.0	0.0	0.0	7.9	0.0	785.9	0.0	
2688 - 4800	9	0	225	87.8	0.0	9.2	0.0	0.0	0.0	9.2	0.0	795.1	0.0	SH 1
4800 - 4799	9	0	1097	87.8	0.0	45.0	0.0	0.0	0.0	45.0	0.0	840.1	0.0	SH 1
4799 - 5522	7	0	651	67.3	0.0	34.8	0.0	0.0	0.0	34.8	0.0	874.9	0.0	SH 1
5522 - 5523	7	0	161	67.3	0.0	8.6	0.0	0.0	0.0	8.6	0.0	883.6	0.0	SH 1
5523 - 10324	7	0	119	67.3	0.0	6.4	0.0	0.0	0.0	6.4	0.0	889.9	0.0	SH 1
10324 - 5594	7	0	125	67.3	0.0	6.7	0.0	0.0	0.0	6.7	0.0	896.6	0.0	SH 1
5594 - 5524	7	0	404	67.3	0.0	21.6	0.0	0.0	0.0	21.6	0.0	918.2	0.0	SH 1
5524 - 10323	7	0	25	66.8	0.0	1.3	0.0	0.0	0.0	1.3	0.0	919.6	0.0	SH 1
10323 - 9789	7	0	374	66.8	0.0	20.2	0.0	0.0	0.0	20.2	0.0	939.7	0.0	SH 1
9789 - 9917	8	0	3303	76.7	0.0	155.0	0.0	0.0	0.0	155.0	0.0	1094.8	0.0	SH 1
9917 - 9771	8	0	2559	76.7	0.0	120.1	0.0	0.0	0.0	120.1	0.0	1214.9	0.0	-- no name --
9771 - 9943	8	6	21	77.1	0.0	1.0	0.0	15.0	0.0	16.0	0.0	1230.8	0.0	-- no name --
9943 - 9772	8	0	26	77.1	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1232.1	0.0	-- no name --
9772 - 9743	8	0	336	76.7	0.0	15.8	0.0	0.0	0.0	15.8	0.0	1247.8	0.0	-- no name --
9743 - 9753	8	0	383	77.2	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1265.7	0.0	-- no name --
9753 - 9742	8	0	16	77.5	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1266.4	0.0	-- no name --
9742 - 9752	8	0	21	77.5	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1267.4	0.0	-- no name --
9752 - 9631	8	0	202	77.5	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1276.8	0.0	-- no name --
9631 - 9762	8	0	148	77.5	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1283.7	0.0	-- no name --
9762 - 9744	8	0	13	77.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1284.3	0.0	-- no name --
9744 - 9761	8	0	12	77.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1284.8	0.0	-- no name --
9761 - 9733	8	4	285	77.3	0.0	13.3	0.0	9.0	0.0	22.3	0.0	1307.1	0.0	-- no name --
9733 - 9635	8	0	691	77.5	0.0	32.1	0.0	0.0	0.0	32.1	0.0	1339.2	0.0	-- no name --
9635 - 9634	8	0	914	77.5	0.0	42.5	0.0	0.0	0.0	42.5	0.0	1381.7	0.0	-- no name --
9634 - 9645	8	0	1176	77.6	0.0	54.6	0.0	0.0	0.0	54.6	0.0	1436.2	0.0	-- no name --
9645 - 9627	8	0	1587	77.6	0.0	73.6	0.0	0.0	0.0	73.6	0.0	1509.8	0.0	SH 1
9627 - 9628	10	0	2656	99.2	0.0	96.4	0.0	0.0	0.0	96.4	0.0	1606.2	0.0	-- no name --
9628 - 9685	10	0	676	99.3	0.0	24.5	0.0	0.0	0.0	24.5	0.0	1630.7	0.0	SH 1
9685 - 9629	10	0	3279	99.2	0.0	119.0	0.0	0.0	0.0	119.0	0.0	1749.7	0.0	SH 1
9629 - 9630	10	0	704	99.2	0.0	25.5	0.0	0.0	0.0	25.5	0.0	1775.3	0.0	SH 1
9630 - 9683	10	0	2125	99.2	0.0	77.1	0.0	0.0	0.0	77.1	0.0	1852.4	0.0	SH 1
9683 - 9684	10	0	91	99.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	1855.7	0.0	SH 1
9684 - 9619	10	0	693	98.4	0.0	25.4	0.0	0.0	0.0	25.4	0.0	1881.0	0.0	SH 1

9619 -	9620	10	0	326	98.4	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1893.0	0.0	SH 1
9620 -	9616	10	0	417	98.1	0.0	15.3	0.0	0.0	0.0	15.3	0.0	1908.3	0.0	SH 1
9616 -	9617	10	0	488	98.1	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1926.2	0.0	SH 1
9617 -	9614	10	0	829	99.0	0.0	30.1	0.0	0.0	0.0	30.1	0.0	1956.3	0.0	SH 1
9614 -	9502	10	0	2650	99.1	0.0	96.3	0.0	0.0	0.0	96.3	0.0	2052.6	0.0	SH 1
9502 -	9503	10	0	586	99.1	0.0	21.3	0.0	0.0	0.0	21.3	0.0	2073.9	0.0	SH 1
9503 -	9611	10	0	116	99.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2078.1	0.0	SH 1
9611 -	9610	10	0	1114	99.1	0.0	40.5	0.0	0.0	0.0	40.5	0.0	2118.6	0.0	SH 1
9610 -	9608	10	0	2251	98.2	0.0	82.5	0.0	0.0	0.0	82.5	0.0	2201.1	0.0	SH 1
9608 -	9639	10	0	1019	99.1	0.0	37.0	0.0	0.0	0.0	37.0	0.0	2238.1	0.0	SH 1
9639 -	9638	10	0	404	99.1	0.0	14.7	0.0	0.0	0.0	14.7	0.0	2252.8	0.0	SH 1
9638 -	9727	10	0	5402	99.1	0.0	196.2	0.0	0.0	0.0	196.2	0.0	2449.0	0.0	SH 1
9727 -	13575	10	0	3975	99.0	0.0	144.5	0.0	0.0	0.0	144.5	0.0	2593.6	0.0	SH 1
13575 -	13665	10	0	22	99.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	2594.4	0.0	GREAT SOUTH ROAD
13665 -	13772	10	0	152	99.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	2599.9	0.0	GREAT SOUTH ROAD
13772 -	13581	10	0	133	99.0	0.0	4.8	0.0	0.0	0.0	4.8	0.0	2604.7	0.0	GREAT SOUTH ROAD
13581 -	13513	10	0	233	99.0	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2613.2	0.0	GREAT SOUTH ROAD
13513 -	13774	10	0	47	99.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2614.9	0.0	GREAT SOUTH ROAD
13774 -	13522	10	0	202	97.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2622.4	0.0	GREAT SOUTH ROAD
13522 -	13646	10	0	1779	98.9	0.0	64.8	0.0	0.0	0.0	64.8	0.0	2687.1	0.0	GREAT SOUTH ROAD
13646 -	13564	10	0	181	98.9	0.0	6.6	0.0	0.0	0.0	6.6	0.0	2693.7	0.0	GREAT SOUTH ROAD
13564 -	13767	10	0	55	98.9	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2695.7	0.0	GREAT SOUTH ROAD
13767 -	13588	10	0	204	98.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2703.1	0.0	GREAT SOUTH ROAD
13588 -	13565	10	0	735	98.9	0.0	26.8	0.0	0.0	0.0	26.8	0.0	2729.9	0.0	GREAT SOUTH ROAD
13565 -	13440	10	0	332	98.8	0.0	12.1	0.0	0.0	0.0	12.1	0.0	2742.0	0.0	GREAT SOUTH ROAD
13440 -	13687	10	0	46	98.8	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2743.7	0.0	SH 1
13687 -	13528	10	0	1373	98.9	0.0	50.0	0.0	0.0	0.0	50.0	0.0	2793.6	0.0	SH 1
13528 -	13527	10	0	66	98.9	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2796.0	0.0	SH 1
13527 -	13671	10	0	360	98.9	0.0	13.1	0.0	0.0	0.0	13.1	0.0	2809.1	0.0	SH 1
13671 -	13484	10	0	190	98.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	2816.1	0.0	GREAT SOUTH ROAD

Modelled Totals	67672	86.5	2766.1		50.0		2816.1		
Observed Totals		0.0		2884.0		25.0		2909.0	

Observed Journey Time =	2909.00	Implied Average Speed =	83.7
Modelled Journey Time =	2816.06	Modelled Average Speed =	86.5
	96.81%		103.30%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  4 Movement Analysis - times in seconds

R2aSB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9904 - 10053	10	0	190	98.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	GREAT SOUTH ROAD
10053 - 13484	10	0	190	98.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	0.0	GREAT SOUTH ROAD
13484 - 13671	10	0	190	98.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	6.9	0.0	GREAT SOUTH ROAD
13671 - 13527	10	0	360	99.0	0.0	13.1	0.0	0.0	0.0	13.1	0.0	20.0	0.0	SH 1
13527 - 13528	10	0	66	99.0	0.0	2.4	0.0	0.0	0.0	2.4	0.0	22.4	0.0	SH 1
13528 - 13687	10	0	1373	99.0	0.0	49.9	0.0	0.0	0.0	49.9	0.0	72.3	0.0	SH 1
13687 - 13440	10	0	46	99.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	74.0	0.0	SH 1
13440 - 13565	10	0	332	98.9	0.0	12.1	0.0	0.0	0.0	12.1	0.0	86.1	0.0	GREAT SOUTH ROAD
13565 - 13588	10	0	735	98.9	0.0	26.8	0.0	0.0	0.0	26.8	0.0	112.8	0.0	GREAT SOUTH ROAD
13588 - 13767	10	0	204	98.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	120.3	0.0	GREAT SOUTH ROAD
13767 - 13564	10	0	55	98.9	0.0	2.0	0.0	0.0	0.0	2.0	0.0	122.3	0.0	GREAT SOUTH ROAD
13564 - 13646	10	0	181	98.9	0.0	6.6	0.0	0.0	0.0	6.6	0.0	128.9	0.0	GREAT SOUTH ROAD
13646 - 13522	10	0	1779	98.9	0.0	64.8	0.0	0.0	0.0	64.8	0.0	193.6	0.0	GREAT SOUTH ROAD
13522 - 13771	10	0	482	98.9	0.0	17.5	0.0	0.0	0.0	17.5	0.0	211.2	0.0	-- no name --
13771 - 13770	10	0	282	99.1	0.0	10.2	0.0	0.0	0.0	10.2	0.0	221.4	0.0	-- no name --
13770 - 13575	10	2	22	99.1	0.0	0.8	0.0	8.0	0.0	8.8	0.0	230.2	0.0	-- no name --
13575 - 9727	10	0	3975	99.1	0.0	144.4	0.0	0.0	0.0	144.4	0.0	374.6	0.0	SH 1
9727 - 9638	10	0	5402	99.2	0.0	196.0	0.0	0.0	0.0	196.0	0.0	570.6	0.0	SH 1
9638 - 9639	10	0	404	99.2	0.0	14.7	0.0	0.0	0.0	14.7	0.0	585.3	0.0	SH 1
9639 - 9608	10	0	1019	99.2	0.0	37.0	0.0	2.0	0.0	39.0	0.0	624.3	0.0	SH 1
9608 - 9610	10	0	2251	98.4	0.0	82.4	0.0	0.0	0.0	82.4	0.0	706.6	0.0	SH 1
9610 - 9611	10	0	1114	98.3	0.0	40.8	0.0	0.0	0.0	40.8	0.0	747.4	0.0	SH 1
9611 - 9503	10	0	116	98.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	751.7	0.0	SH 1
9503 - 9502	10	0	586	98.3	0.0	21.5	0.0	0.0	0.0	21.5	0.0	773.1	0.0	SH 1
9502 - 9614	10	0	2650	99.2	0.0	96.2	0.0	0.0	0.0	96.2	0.0	869.3	0.0	SH 1
9614 - 9617	10	0	829	99.1	0.0	30.1	0.0	0.0	0.0	30.1	0.0	899.4	0.0	SH 1
9617 - 9616	10	0	488	98.3	0.0	17.9	0.0	0.0	0.0	17.9	0.0	917.3	0.0	SH 1
9616 - 9620	10	0	417	98.3	0.0	15.3	0.0	0.0	0.0	15.3	0.0	932.6	0.0	SH 1
9620 - 9619	10	0	326	98.6	0.0	11.9	0.0	0.0	0.0	11.9	0.0	944.5	0.0	SH 1
9619 - 9684	10	0	693	98.6	0.0	25.3	0.0	0.0	0.0	25.3	0.0	969.8	0.0	SH 1
9684 - 9691	10	0	96	99.3	0.0	3.5	0.0	0.0	0.0	3.5	0.0	973.3	0.0	SH 1
9691 - 9689	10	0	6035	99.3	0.0	218.8	0.0	0.0	0.0	218.8	0.0	1192.1	0.0	SH 1
9689 - 9688	10	0	753	99.4	0.0	27.3	0.0	0.0	0.0	27.3	0.0	1219.3	0.0	SH 1
9688 - 9627	10	0	2664	99.4	0.0	96.5	0.0	0.0	0.0	96.5	0.0	1315.8	0.0	-- no name --
9627 - 9645	8	0	1587	78.0	0.0	73.2	0.0	0.0	0.0	73.2	0.0	1389.1	0.0	SH 1
9645 - 9634	8	0	1176	78.0	0.0	54.3	0.0	0.0	0.0	54.3	0.0	1443.3	0.0	-- no name --
9634 - 9635	8	0	914	77.9	0.0	42.2	0.0	0.0	0.0	42.2	0.0	1485.6	0.0	-- no name --
9635 - 9733	8	0	691	77.9	0.0	31.9	0.0	9.0	0.0	40.9	0.0	1526.5	0.0	-- no name --
9733 - 9761	8	0	285	77.5	0.0	13.2	0.0	0.0	0.0	13.2	0.0	1539.7	0.0	-- no name --
9761 - 9744	8	0	12	77.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1540.3	0.0	-- no name --
9744 - 9762	8	0	13	77.6	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1540.9	0.0	-- no name --
9762 - 9631	8	0	148	77.6	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1547.8	0.0	-- no name --
9631 - 9752	8	0	202	77.6	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1557.1	0.0	-- no name --
9752 - 9742	8	0	21	77.6	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1558.1	0.0	-- no name --
9742 - 9753	8	0	16	77.4	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1558.9	0.0	-- no name --
9753 - 9743	8	0	383	77.4	0.0	17.8	0.0	0.0	0.0	17.8	0.0	1576.7	0.0	-- no name --
9743 - 9772	8	0	336	77.3	0.0	15.6	0.0	0.0	0.0	15.6	0.0	1592.3	0.0	-- no name --
9772 - 9943	8	6	26	77.3	0.0	1.2	0.0	7.0	0.0	8.2	0.0	1600.5	0.0	-- no name --
9943 - 9771	8	0	21	77.2	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1601.5	0.0	-- no name --
9771 - 9917	8	0	2559	77.2	0.0	119.3	0.0	0.0	0.0	119.3	0.0	1720.8	0.0	-- no name --
9917 - 9789	8	0	3303	77.2	0.0	154.0	0.0	0.0	0.0	154.0	0.0	1874.9	0.0	SH 1
9789 - 10323	7	0	374	67.2	0.0	20.0	0.0	0.0	0.0	20.0	0.0	1894.9	0.0	SH 1
10323 - 5524	7	0	25	67.9	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1896.2	0.0	SH 1
5524 - 5594	7	0	404	67.6	0.0	21.5	0.0	0.0	0.0	21.5	0.0	1917.7	0.0	SH 1
5594 - 10324	7	0	125	67.6	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1924.4	0.0	SH 1
10324 - 5523	7	0	119	67.6	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1930.7	0.0	SH 1
5523 - 5522	7	0	161	67.6	0.0	8.6	0.0	0.0	0.0	8.6	0.0	1939.3	0.0	SH 1
5522 - 4799	7	0	651	67.6	0.0	34.7	0.0	0.0	0.0	34.7	0.0	1974.0	0.0	SH 1
4799 - 4800	9	0	1097	88.0	0.0	44.9	0.0	0.0	0.0	44.9	0.0	2018.9	0.0	SH 1
4800 - 2688	9	0	225	88.0	0.0	9.2	0.0	0.0	0.0	9.2	0.0	2028.1	0.0	SH 1
2688 - 5712	9	0	192	88.0	0.0	7.9	0.0	0.0	0.0	7.9	0.0	2035.9	0.0	
5712 - 2811	9	0	1301	88.0	0.0	53.2	0.0	0.0	0.0	53.2	0.0	2089.1	0.0	SH 1
2811 - 2849	9	0	864	88.0	0.0	35.3	0.0	1.0	0.0	36.3	0.0	2125.5	0.0	SH 1
2849 - 2818	9	0	430	88.0	0.0	17.6	0.0	0.0	0.0	17.6	0.0	2143.1	0.0	SH 1
2818 - 10229	9	0	547	88.1	0.0	22.4	0.0	0.0	0.0	22.4	0.0	2165.4	0.0	SH 1
10229 - 5521	6	0	139	57.6	0.0	8.7	0.0	0.0	0.0	8.7	0.0	2174.1	0.0	SH 1
5521 - 4183	6	0	150	57.6	0.0	9.4	0.0	0.0	0.0	9.4	0.0	2183.5	0.0	SH 1
4183 - 4184	6	0	164	57.4	0.0	10.3	0.0	0.0	0.0	10.3	0.0	2193.8	0.0	SH 1
4184 - 5497	6	0	15	57.3	0.0	0.9	0.0	1.0	0.0	1.9	0.0	2195.7	0.0	
5497 - 5765	6	0	321	57.2	0.0	20.2	0.0	0.0	0.0	20.2	0.0	2215.9	0.0	
5765 - 5810	6	0	66	57.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2220.1	0.0	SH 1
5810 - 5731	6	0	92	56.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	2225.9	0.0	SH 1
5731 - 5684	15	0	146	52.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	2236.0	0.0	SH 1
5684 - 5764	15	0	170	52.3	0.0	11.7	0.0	0.0	0.0	11.7	0.0	2247.7	0.0	SH 1
5764 - 5729	15	0	172	52.3	0.0	11.8	0.0	0.0	0.0	11.8	0.0	2259.5	0.0	SH 1
5729 - 5824	15	0	305	52.3	0.0	21.0	0.0	0.0	0.0	21.0	0.0	2280.5	0.0	SH 1
5824 - 4603	15	0	99	52.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	2287.3	0.0	
4603 - 10230	15	0	88	52.3	0.0	6.1	0.0	0.0	0.0	6.1	0.0	2293.4	0.0	SH 1
10230 - 5520	7	0	153	67.6	0.0	8.1	0.0	0.0	0.0	8.1	0.0	2301.5	0.0	SH 1
5520 - 2809	7	0	439	67.5	0.0	23.4	0.0	0.0	0.0	23.4	0.0	2324.9	0.0	SH 1
2809 - 5519	7	0	359	67.3	0.0	19.2	0.0	0.0	0.0	19.2	0.0	2344.1	0.0	SH 1
5519 - 5577	7	0	28	67.1	0.0	1.5	0.0	0.0	0.0	1.5	0.0	2345.6	0.0	
5577 - 3780	7	0	182	67.1	0.0	9.8	0.0	0.0	0.0	9.8	0.0	2355.4	0.0	SH 1
3780 - 3779	7	0	134	67.1	0.0	7.2	0.0	0.0	0.0	7.2	0.0	2362.6	0.0	SH 1
3779 - 4796	10	0	715	98.1	0.0	26.2	0.0	0.0	0.0	26.2	0.0	2388.8	0.0	SH 1
4796 - 10585	9	0	61	87.3	0.0	2.5	0.0	0.0	0.0	2.5	0.0	2391.3	0.0	SH 1
10585 - 2696	10	0	949	98.1	0.0	34.8	0.0	0.0	0.0	34.8	0.0	2426.2	0.0	SH 1
2696 - 10335	10	0	10	98.2	0.0	0.4	0.0	0.0	0.0	0.4	0.0	2426.5	0.0	SH 1
10335 - 4602	10	0	536	98.2	0.0	19.6	0.0	0.0	0.0	19.6	0.0	2446.2	0.0	SH 1

4602 -	2831	10	0	482	98.1	0.0	17.7	0.0	0.0	0.0	17.7	0.0	2463.9	0.0	SH 1
2831 -	2837	10	0	83	98.1	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2466.9	0.0	SH 1
2837 -	2833	10	0	196	98.1	0.0	7.2	0.0	0.0	0.0	7.2	0.0	2474.1	0.0	SH 1
2833 -	2827	10	0	384	98.1	0.0	14.1	0.0	0.0	0.0	14.1	0.0	2488.2	0.0	SH 1
2827 -	5565	10	0	315	98.0	0.0	11.6	0.0	0.0	0.0	11.6	0.0	2499.8	0.0	SH 1
5565 -	2544	10	0	186	98.0	0.0	6.8	0.0	0.0	0.0	6.8	0.0	2506.6	0.0	SH 1
2544 -	2679	10	0	144	98.0	0.0	5.3	0.0	0.0	0.0	5.3	0.0	2511.9	0.0	SH 1
2679 -	10680	10	0	567	97.9	0.0	20.8	0.0	0.0	0.0	20.8	0.0	2532.7	0.0	SH 1
10680 -	2680	10	0	739	97.9	0.0	27.2	0.0	0.0	0.0	27.2	0.0	2559.9	0.0	SH 1
2680 -	2678	10	0	89	97.9	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2563.2	0.0	SH 1
2678 -	2545	10	0	350	97.9	0.0	12.9	0.0	0.0	0.0	12.9	0.0	2576.1	0.0	SH 1
2545 -	2806	10	0	345	97.9	0.0	12.7	0.0	0.0	0.0	12.7	0.0	2588.7	0.0	SH 1
2806 -	2803	10	0	276	97.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	2598.9	0.0	SH 1
2803 -	10419	10	0	37	97.9	0.0	1.4	0.0	0.0	0.0	1.4	0.0	2600.3	0.0	
10419 -	2802	10	0	199	97.9	0.0	7.3	0.0	0.0	0.0	7.3	0.0	2607.6	0.0	
2802 -	3797	10	0	139	97.9	0.0	5.1	0.0	0.0	0.0	5.1	0.0	2612.7	0.0	SH 1
3797 -	3296	9	0	475	87.5	0.0	19.5	0.0	0.0	0.0	19.5	0.0	2632.2	0.0	GREAT SOUTH ROAD
3296 -	3798	9	0	747	87.5	0.0	30.7	0.0	0.0	0.0	30.7	0.0	2663.0	0.0	GREAT SOUTH ROAD
3798 -	6799	9	0	101	87.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2667.1	0.0	TE RAPA ROAD
6799 -	3508	9	0	1043	87.0	0.0	43.2	0.0	0.0	0.0	43.2	0.0	2710.3	0.0	TE RAPA ROAD
3508 -	3504	8	3	114	78.3	0.0	5.2	0.0	13.0	0.0	18.2	0.0	2728.5	0.0	TE RAPA ROAD
3504 -	3511	15	0	118	52.7	0.0	8.1	0.0	3.0	0.0	11.1	0.0	2739.6	0.0	GREAT SOUTH ROAD
3511 -	3513	15	0	344	50.5	0.0	24.5	0.0	0.0	0.0	24.5	0.0	2764.1	0.0	GREAT SOUTH ROAD
3513 -	3501	15	3	68	52.7	0.0	4.6	0.0	10.0	0.0	14.6	0.0	2778.8	0.0	GREAT SOUTH ROAD
3501 -	3514	15	0	180	52.5	0.0	12.3	0.0	0.0	0.0	12.3	0.0	2791.1	0.0	GREAT SOUTH ROAD
3514 -	3488	15	0	163	52.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	2802.3	0.0	GREAT SOUTH ROAD
3488 -	3480	15	3	176	52.5	0.0	12.1	0.0	15.6	0.0	27.7	0.0	2829.9	0.0	GREAT SOUTH ROAD

Modelled Totals	67686	86.1	2760.3		69.6	2829.9		
Observed Totals		0.0	2895.0		8.3	2903.3		

Observed Journey Time = 2903.29 Implied Average Speed = 83.9
Modelled Journey Time = 2829.95 Modelled Average Speed = 86.1
97.47% 102.59%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  5 Movement Analysis - times in seconds

R2cNB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6429 -  4356    5 0    95  46.5   0.0    7.4    0.0   0.0     0.0    7.4    0.0     7.4     0.0    SH 1
 4356 -  5394    5 0    85  46.8   0.0    6.5    0.0   1.0     0.0    7.5    0.0    14.9     0.0    SH 1
 5394 -  5393    5 0   221  46.7   0.0   17.0    0.0   1.0     0.0   18.0    0.0    32.9     0.0    SH 1
 5393 - 10296    5 0   109  46.6   0.0    8.4    0.0   0.0     0.0    8.4    0.0    41.4     0.0    SH 1
10296 -  5397    5 0   118  46.6   0.0    9.1    0.0   0.0     0.0    9.1    0.0    50.5     0.0    SH 1
 5397 -  6087    6 0   102  56.8   0.0    6.5    0.0   0.0     0.0    6.5    0.0    56.9     0.0    SH 1
 6087 -  5911    6 0   125  56.8   0.0    7.9    0.0   1.0     0.0    8.9    0.0    65.9     0.0    SH 1
 5911 -  4551    7 0   370  67.3   0.0   19.8    0.0   0.0     0.0   19.8    0.0    85.6     0.0    SH 1
 4551 -  4825   19 0   737  92.7   0.0   28.6    0.0   0.0     0.0   28.6    0.0   114.3     0.0    SH 1
 4825 -  4536   19 0   474  92.7   0.0   18.4    0.0   0.0     0.0   18.4    0.0   132.7     0.0    SH 1
 4536 -  6402   19 0   393  92.7   0.0   15.3    0.0   0.0     0.0   15.3    0.0   147.9     0.0    SH 1
 6402 -  2637   19 0   139  92.7   0.0    5.4    0.0   0.0     0.0    5.4    0.0   153.3     0.0    SH 1
 2637 -  2638   19 0    85  92.7   0.0    3.3    0.0   0.0     0.0    3.3    0.0   156.6     0.0    SH 1
 2638 - 10318   19 0   246  94.0   0.0    9.4    0.0   0.0     0.0    9.4    0.0   166.1     0.0    SH 1
10318 -  4128   10 0   811  99.2   0.0   29.4    0.0   0.0     0.0   29.4    0.0   195.5     0.0    SH 1
 4128 -  6117   10 0  1445  98.3   0.0   52.9    0.0   1.0     0.0   53.9    0.0   249.4     0.0    SH 1
 6117 -  6116   10 0   774  98.4   0.0   28.3    0.0   0.0     0.0   28.3    0.0   277.7     0.0    CAMBRIDGE ROAD
 6116 -  6118   10 0  1205  98.4   0.0   44.1    0.0   0.0     0.0   44.1    0.0   321.8     0.0    CAMBRIDGE ROAD
 6118 -  6119   10 0   255  98.3   0.0    9.3    0.0   0.0     0.0    9.3    0.0   331.1     0.0    CAMBRIDGE ROAD
 6119 -  5849   10 0  1419  98.3   0.0   52.0    0.0   0.0     0.0   52.0    0.0   383.1     0.0    CAMBRIDGE ROAD
 5849 -  5690   10 0   736  98.3   0.0   27.0    0.0   0.0     0.0   27.0    0.0   410.1     0.0    CAMBRIDGE ROAD
 5690 -  5805   10 0   210  98.0   0.0    7.7    0.0   0.0     0.0    7.7    0.0   417.8     0.0    CAMBRIDGE ROAD
 5805 -  5623   10 0   326  99.0   0.0   11.9    0.0   0.0     0.0   11.9    0.0   429.6     0.0    CAMBRIDGE ROAD
 5623 -  2861   10 0  1692  99.0   0.0   61.5    0.0   0.0     0.0   61.5    0.0   491.2     0.0    CAMBRIDGE ROAD
 2861 -  4154   10 0   933  99.1   0.0   33.9    0.0   0.0     0.0   33.9    0.0   525.1     0.0    CAMBRIDGE ROAD
 4154 -  4155   10 0   353  98.8   0.0   12.9    0.0   0.0     0.0   12.9    0.0   537.9     0.0    CAMBRIDGE ROAD
 4155 -  2786   10 0   156  98.8   0.0    5.7    0.0   3.0     0.0    8.7    0.0   546.6     0.0    CAMBRIDGE ROAD
 2786 -  3907   10 0   747  97.7   0.0   27.5    0.0   0.0     0.0   27.5    0.0   574.1     0.0    CAMBRIDGE ROAD
 3907 -  3424   10 0  1026  97.6   0.0   37.8    0.0   0.0     0.0   37.8    0.0   612.0     0.0    CAMBRIDGE ROAD
 3424 -  4926    9 0   557  86.6   0.0   23.2    0.0   0.0     0.0   23.2    0.0   635.1     0.0    SH 1
 4926 -  3428    9 0   331  86.3   0.0   13.8    0.0   0.0     0.0   13.8    0.0   648.9     0.0    CAMBRIDGE ROAD
 3428 -  3429    7 0    11  67.8   0.0    0.6    0.0   0.0     0.0    0.6    0.0   649.5     0.0
 3429 -  3586    7 0   102  67.8   0.0    5.4    0.0   0.0     0.0    5.4    0.0   654.9     0.0    CAMBRIDGE ROAD
 3586 -  3587    7 0    80  67.8   0.0    4.2    0.0   0.0     0.0    4.2    0.0   659.2     0.0    CAMBRIDGE ROAD
 3587 -  4157    6 0   145  57.4   0.0    9.1    0.0   0.0     0.0    9.1    0.0   668.3     0.0    CAMBRIDGE ROAD
 4157 - 10700    6 0    84  57.3   0.0    5.3    0.0   0.0     0.0    5.3    0.0   673.6     0.0    CAMBRIDGE ROAD
10700 -  3072    6 0   153  57.3   0.0    9.6    0.0   0.2     0.0    9.8    0.0   683.4     0.0    CAMBRIDGE ROAD

Modelled Totals    16850  88.8        676.2          7.2          683.4
Observed Totals                 0.0         724.8          10.2         735.0

Observed Journey Time =   734.95     Implied Average Speed =  82.5
Modelled Journey Time =   683.37    Modelled Average Speed =  88.8
                          92.98%                             107.55%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  6 Movement Analysis - times in seconds

R2cSB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3072 - 3076	6	3	124	57.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	7.8	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	57.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	15.6	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	57.4	0.0	9.6	0.0	3.0	0.0	12.6	0.0	28.1	0.0	CAMBRIDGE ROAD
10700 - 4157	6	0	84	55.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	33.6	0.0	CAMBRIDGE ROAD
4157 - 3587	6	0	145	55.0	0.0	9.5	0.0	0.0	0.0	9.5	0.0	43.1	0.0	CAMBRIDGE ROAD
3587 - 3586	7	0	80	66.0	0.0	4.4	0.0	0.0	0.0	4.4	0.0	47.5	0.0	CAMBRIDGE ROAD
3586 - 3429	7	0	102	66.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	53.1	0.0	CAMBRIDGE ROAD
3429 - 3428	7	0	11	66.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	53.7	0.0	
3428 - 4926	9	0	331	86.3	0.0	13.8	0.0	0.0	0.0	13.8	0.0	67.5	0.0	CAMBRIDGE ROAD
4926 - 3424	9	0	557	86.6	0.0	23.2	0.0	0.0	0.0	23.2	0.0	90.6	0.0	SH 1
3424 - 3907	10	0	1026	97.7	0.0	37.8	0.0	0.0	0.0	37.8	0.0	128.4	0.0	CAMBRIDGE ROAD
3907 - 2786	10	0	747	97.8	0.0	27.5	0.0	0.0	0.0	27.5	0.0	155.9	0.0	CAMBRIDGE ROAD
2786 - 4155	10	0	156	98.9	0.0	5.7	0.0	0.0	0.0	5.7	0.0	161.6	0.0	CAMBRIDGE ROAD
4155 - 4154	10	0	353	98.9	0.0	12.8	0.0	0.0	0.0	12.8	0.0	174.5	0.0	CAMBRIDGE ROAD
4154 - 2861	10	0	933	99.1	0.0	33.9	0.0	0.0	0.0	33.9	0.0	208.4	0.0	CAMBRIDGE ROAD
2861 - 5623	10	0	1692	99.0	0.0	61.5	0.0	0.0	0.0	61.5	0.0	269.9	0.0	CAMBRIDGE ROAD
5623 - 5805	10	0	326	99.0	0.0	11.9	0.0	0.0	0.0	11.9	0.0	281.7	0.0	CAMBRIDGE ROAD
5805 - 5690	10	0	210	98.1	0.0	7.7	0.0	0.0	0.0	7.7	0.0	289.4	0.0	CAMBRIDGE ROAD
5690 - 5849	10	0	736	98.4	0.0	26.9	0.0	0.0	0.0	26.9	0.0	316.4	0.0	CAMBRIDGE ROAD
5849 - 6119	10	0	1419	98.4	0.0	51.9	0.0	0.0	0.0	51.9	0.0	368.3	0.0	CAMBRIDGE ROAD
6119 - 6118	10	0	255	98.4	0.0	9.3	0.0	0.0	0.0	9.3	0.0	377.6	0.0	CAMBRIDGE ROAD
6118 - 6116	10	0	1205	98.5	0.0	44.0	0.0	0.0	0.0	44.0	0.0	421.7	0.0	CAMBRIDGE ROAD
6116 - 6117	10	0	774	98.5	0.0	28.3	0.0	1.0	0.0	29.3	0.0	450.9	0.0	CAMBRIDGE ROAD
6117 - 4128	10	0	1445	99.2	0.0	52.4	0.0	0.0	0.0	52.4	0.0	503.4	0.0	SH 1
4128 - 10318	10	0	811	98.5	0.0	29.6	0.0	0.0	0.0	29.6	0.0	533.0	0.0	SH 1
10318 - 2638	19	0	246	92.9	0.0	9.5	0.0	0.0	0.0	9.5	0.0	542.6	0.0	SH 1
2638 - 2637	19	0	85	92.9	0.0	3.3	0.0	0.0	0.0	3.3	0.0	545.8	0.0	SH 1
2637 - 6402	19	0	139	92.9	0.0	5.4	0.0	0.0	0.0	5.4	0.0	551.2	0.0	SH 1
6402 - 4536	19	0	393	92.9	0.0	15.2	0.0	0.0	0.0	15.2	0.0	566.5	0.0	SH 1
4536 - 4825	19	0	474	92.9	0.0	18.4	0.0	0.0	0.0	18.4	0.0	584.8	0.0	SH 1
4825 - 4551	19	0	737	92.9	0.0	28.6	0.0	0.0	0.0	28.6	0.0	613.4	0.0	SH 1
4551 - 5911	7	0	370	67.5	0.0	19.7	0.0	1.0	0.0	20.7	0.0	634.1	0.0	SH 1
5911 - 6087	6	0	125	57.0	0.0	7.9	0.0	0.0	0.0	7.9	0.0	642.0	0.0	SH 1
6087 - 5397	6	0	102	57.0	0.0	6.4	0.0	1.0	0.0	7.4	0.0	649.5	0.0	SH 1
5397 - 10296	5	0	118	46.8	0.0	9.1	0.0	0.0	0.0	9.1	0.0	658.5	0.0	SH 1
10296 - 5393	5	0	109	46.8	0.0	8.4	0.0	1.0	0.0	9.4	0.0	667.9	0.0	SH 1
5393 - 5394	5	0	221	46.8	0.0	17.0	0.0	1.6	0.0	18.6	0.0	686.5	0.0	SH 1
Modelled Totals	16918			88.7		677.9		8.6		686.5				
Observed Totals					0.0		728.0		0.6		728.6			

```
Observed Journey Time =   728.60     Implied Average Speed =  83.6
Modelled Journey Time =   686.52    Modelled Average Speed =  88.7
                          94.22%                            106.13%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  7 Movement Analysis - times in seconds

R2dNB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9682 -  9681    6 0   991  58.3   0.0   61.2    0.0   0.0     0.0   61.2    0.0    61.2     0.0    MAIN ROAD
 9681 - 10200    5 0   235  48.0   0.0   17.6    0.0   0.0     0.0   17.6    0.0    78.8     0.0    MAIN ROAD
10200 - 10149    5 0   164  47.9   0.0   12.3    0.0   0.0     0.0   12.3    0.0    91.1     0.0    MAIN ROAD
10149 - 10195    5 0   256  47.8   0.0   19.3    0.0   0.0     0.0   19.3    0.0   110.4     0.0    MAIN ROAD
10195 - 10151    5 0    27  47.8   0.0    2.0    0.0   0.0     0.0    2.0    0.0   112.5     0.0    MAIN ROAD
10151 - 10197   15 0    21  53.4   0.0    1.4    0.0   0.0     0.0    1.4    0.0   113.9     0.0    MAIN ROAD
10197 -  9726   15 0   307  53.8   0.0   20.5    0.0   0.0     0.0   20.5    0.0   134.4     0.0    MAIN ROAD
 9726 - 10203   10 0  4383  99.5   0.0  158.6    0.0   0.0     0.0  158.6    0.0   293.0     0.0    SH 1
10203 -  9884   10 0  4991  99.6   0.0  180.4    0.0   0.0     0.0  180.4    0.0   473.4     0.0    SH 1
 9884 -  8495   10 0   963  99.5   0.0   34.8    0.0   0.0     0.0   34.8    0.0   508.2     0.0    SH 1
 8495 -  9839   10 0    21  99.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0   509.0     0.0    SH 1
 9839 -  8496   10 0    28  99.2   0.0    1.0    0.0   0.0     0.0    1.0    0.0   510.0     0.0    TIRAU ROAD
 8496 -  9838   10 0  1596  99.2   0.0   57.9    0.0   0.0     0.0   57.9    0.0   567.9     0.0    TIRAU ROAD
 9838 - 10712   19 0  4338  94.0   0.0  166.1    0.0   0.0     0.0  166.1    0.0   734.1     0.0    TIRAU ROAD
10712 -  9526   19 0  6071  94.0   0.0  232.5    0.0   0.0     0.0  232.5    0.0   966.6     0.0    TIRAU ROAD
 9526 -  8186   10 0    61  99.0   0.0    2.2    0.0   0.0     0.0    2.2    0.0   968.8     0.0    TIRAU ROAD
 8186 - 10788   19 0   223  93.8   0.0    8.6    0.0   0.0     0.0    8.6    0.0   977.4     0.0    TIRAU ROAD
10788 -  6597   19 0  1129  93.8   0.0   43.3    0.0   0.0     0.0   43.3    0.0  1020.7     0.0    TIRAU ROAD
 6597 -  2604   19 0   918  93.8   0.0   35.2    0.0   0.0     0.0   35.2    0.0  1055.9     0.0    TIRAU ROAD
 2604 -  2602   19 0   255  93.8   0.0    9.8    0.0   0.0     0.0    9.8    0.0  1065.7     0.0    SH 1
 2602 -  4808   19 0  4133  93.8   0.0  158.6    0.0   0.0     0.0  158.6    0.0  1224.3     0.0    SH 1
 4808 - 10272    8 0   508  78.3   0.0   23.4    0.0   0.0     0.0   23.4    0.0  1247.7     0.0    Tirau Road
10272 -  4807   17 0    35  73.8   0.0    1.7    0.0   0.0     0.0    1.7    0.0  1249.4     0.0    Tirau Road
 4807 -  8446   17 0    35  73.8   0.0    1.7    0.0   0.0     0.0    1.7    0.0  1251.1     0.0    Tirau Road
 8446 -  5411    6 0   208  57.5   0.0   13.0    0.0   0.0     0.0   13.0    0.0  1264.1     0.0    Tirau Road
 5411 -  5890    5 0    86  47.1   0.0    6.6    0.0   0.0     0.0    6.6    0.0  1270.7     0.0    Tirau Road
 5890 -  6475    5 0    36  46.7   0.0    2.8    0.0   0.0     0.0    2.8    0.0  1273.5     0.0    Tirau Road
 6475 -  6444    5 0   193  47.4   0.0   14.7    0.0   0.0     0.0   14.7    0.0  1288.1     0.0    ALBERT STREET
 6444 -  6167    5 0    10  47.6   0.0    0.8    0.0   0.0     0.0    0.8    0.0  1288.9     0.0
 6167 - 10294    5 0    99  47.6   0.0    7.5    0.0   0.0     0.0    7.5    0.0  1296.4     0.0    SH 1
10294 -  6168    5 0    83  47.6   0.0    6.3    0.0   0.0     0.0    6.3    0.0  1302.6     0.0    SH 1
 6168 -  6162    5 0   355  48.1   0.0   26.6    0.0   0.0     0.0   26.6    0.0  1329.2     0.0    SH 1
 6162 -  6551    5 0    19  48.1   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1330.6     0.0
 6551 -  6512    5 0    72  48.1   0.0    5.4    0.0   0.0     0.0    5.4    0.0  1336.0     0.0    SH 1
 6512 -  2727    4 0   120  38.4   0.0   11.2    0.0   1.0     0.0   12.2    0.0  1348.3     0.0    SH 1
 2727 -  6531    4 3    84  38.6   0.0    7.8    0.0  14.0     0.0   21.8    0.0  1370.1     0.0    SH 1
 6531 -  6544    5 0   186  45.8   0.0   14.6    0.0   0.0     0.0   14.6    0.0  1384.7     0.0    SH 1

Modelled Totals    33240  86.4       1369.7         15.0         1384.7
Observed Totals                 0.0        1476.8          6.2        1483.0

Observed Journey Time =  1483.00     Implied Average Speed =  80.7
Modelled Journey Time =  1384.73    Modelled Average Speed =  86.4
                         93.37%                             107.10%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  8 Movement Analysis - times in seconds

R2dSB SH1
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6544 - 6429	5 0	93	45.8	0.0	7.3	0.0	0.0	0.0	7.3	0.0	7.3	0.0	SH 1
6429 - 6544	5 0	93	45.7	0.0	7.3	0.0	0.0	0.0	7.3	0.0	14.6	0.0	SH 1
6544 - 6531	5 3	186	45.7	0.0	14.7	0.0	5.0	0.0	19.7	0.0	34.3	0.0	SH 1
6531 - 2727	4 0	84	38.7	0.0	7.8	0.0	1.0	0.0	8.8	0.0	43.1	0.0	SH 1
2727 - 6512	4 0	120	38.7	0.0	11.2	0.0	0.0	0.0	11.2	0.0	54.3	0.0	SH 1
6512 - 6551	5 0	72	48.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	59.6	0.0	SH 1
6551 - 6162	5 0	19	48.3	0.0	1.4	0.0	0.0	0.0	1.4	0.0	61.0	0.0	
6162 - 6168	5 0	355	48.3	0.0	26.5	0.0	0.0	0.0	26.5	0.0	87.5	0.0	SH 1
6168 - 10294	5 0	83	47.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	93.7	0.0	SH 1
10294 - 6167	5 0	99	47.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	101.2	0.0	SH 1
6167 - 6444	5 0	10	47.9	0.0	0.8	0.0	0.0	0.0	0.8	0.0	101.9	0.0	
6444 - 6475	5 0	193	47.6	0.0	14.6	0.0	0.0	0.0	14.6	0.0	116.5	0.0	ALBERT STREET
6475 - 5890	5 0	36	47.2	0.0	2.7	0.0	0.0	0.0	2.7	0.0	119.3	0.0	Tirau Road
5890 - 5411	5 0	86	47.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	125.8	0.0	Tirau Road
5411 - 8446	6 0	208	57.8	0.0	13.0	0.0	0.0	0.0	13.0	0.0	138.8	0.0	Tirau Road
8446 - 4807	17 0	35	73.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	140.5	0.0	Tirau Road
4807 - 10272	17 0	35	73.5	0.0	1.7	0.0	0.0	0.0	1.7	0.0	142.2	0.0	Tirau Road
10272 - 4808	8 0	508	78.5	0.0	23.3	0.0	0.0	0.0	23.3	0.0	165.5	0.0	Tirau Road
4808 - 2602	19 0	4133	94.0	0.0	158.3	0.0	0.0	0.0	158.3	0.0	323.8	0.0	SH 1
2602 - 2604	19 0	255	94.0	0.0	9.8	0.0	0.0	0.0	9.8	0.0	333.5	0.0	SH 1
2604 - 6597	19 0	918	94.0	0.0	35.2	0.0	0.0	0.0	35.2	0.0	368.7	0.0	TIRAU ROAD
6597 - 10788	19 0	1129	94.0	0.0	43.2	0.0	0.0	0.0	43.2	0.0	411.9	0.0	TIRAU ROAD
10788 - 8186	19 0	223	94.0	0.0	8.5	0.0	0.0	0.0	8.5	0.0	420.5	0.0	TIRAU ROAD
8186 - 9526	10 0	61	99.2	0.0	2.2	0.0	0.0	0.0	2.2	0.0	422.7	0.0	TIRAU ROAD
9526 - 10712	19 0	6071	94.2	0.0	232.0	0.0	0.0	0.0	232.0	0.0	654.7	0.0	TIRAU ROAD
10712 - 9838	19 0	4338	94.2	0.0	165.8	0.0	0.0	0.0	165.8	0.0	820.5	0.0	TIRAU ROAD
9838 - 8496	10 0	1596	99.3	0.0	57.9	0.0	0.0	0.0	57.9	0.0	878.3	0.0	TIRAU ROAD
8496 - 9839	10 0	28	99.4	0.0	1.0	0.0	1.0	0.0	2.0	0.0	880.4	0.0	TIRAU ROAD
9839 - 8495	10 0	21	99.6	0.0	0.8	0.0	0.0	0.0	0.8	0.0	881.1	0.0	SH 1
8495 - 9884	10 0	963	99.6	0.0	34.8	0.0	0.0	0.0	34.8	0.0	915.9	0.0	SH 1
9884 - 10203	10 0	4991	99.6	0.0	180.4	0.0	0.0	0.0	180.4	0.0	1096.3	0.0	SH 1
10203 - 9726	10 0	4383	99.6	0.0	158.4	0.0	0.0	0.0	158.4	0.0	1254.7	0.0	SH 1
9726 - 10197	15 0	307	53.9	0.0	20.5	0.0	0.0	0.0	20.5	0.0	1275.2	0.0	MAIN ROAD
10197 - 10151	15 0	21	54.2	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1276.6	0.0	MAIN ROAD
10151 - 10195	5 0	27	48.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1278.7	0.0	MAIN ROAD
10195 - 10149	5 0	256	48.0	0.0	19.2	0.0	0.0	0.0	19.2	0.0	1297.9	0.0	MAIN ROAD
10149 - 10200	5 0	164	48.1	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1310.1	0.0	MAIN ROAD
10200 - 9681	5 0	235	48.1	0.0	17.6	0.0	0.0	0.0	17.6	0.0	1327.7	0.0	MAIN ROAD
Modelled Totals		32435	87.9		1320.7		7.0		1327.7				
Observed Totals				0.0		1460.1		4.7		1464.8			

```
Observed Journey Time =  1464.81     Implied Average Speed =  79.7
Modelled Journey Time =  1327.72    Modelled Average Speed =  87.9
                         90.64%                             110.32%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  9 Movement Analysis - times in seconds

R3aNB SH1B

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4667 -  4668    6 0   267  59.5   0.0   16.2    0.0   0.0     0.0   16.2    0.0    16.2     0.0    SH 1B
 4668 -  5504   16 0  2255  64.8   0.0  125.3    0.0   0.0     0.0  125.3    0.0   141.4     0.0    SH 1B
 5504 -  5485   16 0   528  64.8   0.0   29.3    0.0   0.0     0.0   29.3    0.0   170.8     0.0    SH 1B
 5485 -  2822   16 4  1590  64.9   0.0   88.2    0.0   7.0     0.0   95.2    0.0   266.0     0.0    SH 1B
 2822 -  4774   19 0   241  94.8   0.0    9.2    0.0   0.0     0.0    9.2    0.0   275.1     0.0    SH 1B
 4774 -  5264   19 4  4040  94.8   0.0  153.4    0.0  18.0     0.0  171.4    0.0   446.5     0.0    SH 1B
 5264 -  4097   18 0   632  83.7   0.0   27.2    0.0   0.0     0.0   27.2    0.0   473.7     0.0    PUKETAHA ROAD
 4097 -  5670   18 0  1635  84.1   0.0   70.0    0.0   0.0     0.0   70.0    0.0   543.7     0.0    PUKETAHA ROAD
 5670 -  5613   18 0   838  84.1   0.0   35.9    0.0  14.0     0.0   49.9    0.0   593.6     0.0    PUKETAHA ROAD
 5613 -  5614   17 4  1883  74.7   0.0   90.7    0.0  17.0     0.0  107.7    0.0   701.3     0.0    SH 1B
 5614 -  5681   19 0   355  94.1   0.0   13.6    0.0   0.0     0.0   13.6    0.0   714.9     0.0    SH 1B
 5681 -  5692   19 0   854  94.2   0.0   32.6    0.0   0.0     0.0   32.6    0.0   747.5     0.0    SH 1B
 5692 -  5768   19 0   505  94.1   0.0   19.3    0.0   0.0     0.0   19.3    0.0   766.9     0.0    SH 1B
 5768 -  4735   19 0   195  94.1   0.0    7.5    0.0   0.0     0.0    7.5    0.0   774.3     0.0    -- no name --
 4735 -  4646   19 0   222  94.1   0.0    8.5    0.0   0.0     0.0    8.5    0.0   782.8     0.0    SH 1B
 4646 -  4734   19 0   227  94.1   0.0    8.7    0.0   0.0     0.0    8.7    0.0   791.5     0.0    SH 1B
 4734 -  4802   19 0  1671  94.1   0.0   63.9    0.0   0.0     0.0   63.9    0.0   855.4     0.0    SH 1B
 4802 -  4806   19 0   670  94.3   0.0   25.6    0.0   0.0     0.0   25.6    0.0   881.0     0.0    GORDONTON ROAD
 4806 - 10576   19 0   344  94.3   0.0   13.1    0.0   0.0     0.0   13.1    0.0   894.1     0.0    GORDONTON ROAD
10576 -  5769   19 0   661  94.3   0.0   25.2    0.0   0.0     0.0   25.2    0.0   919.4     0.0    GORDONTON ROAD
 5769 -  2698   19 0  1907  94.4   0.0   72.7    0.0   0.0     0.0   72.7    0.0   992.1     0.0    GORDONTON ROAD
 2698 -  2697   19 0   104  94.3   0.0    4.0    0.0   0.0     0.0    4.0    0.0   996.1     0.0    SH 1B
 2697 - 10577   19 0  1850  94.4   0.0   70.6    0.0   0.0     0.0   70.6    0.0  1066.6     0.0    GORDONTON ROAD
10577 -  2687   19 0   197  94.4   0.0    7.5    0.0   0.0     0.0    7.5    0.0  1074.1     0.0    GORDONTON ROAD
 2687 - 10682   10 0   840  99.5   0.0   30.4    0.0   0.0     0.0   30.4    0.0  1104.5     0.0    GORDONTON ROAD
10682 -  2705   10 0   895  99.5   0.0   32.4    0.0   0.0     0.0   32.4    0.0  1136.9     0.0    GORDONTON ROAD
 2705 - 10578   10 0  1785  99.4   0.0   64.6    0.0   0.0     0.0   64.6    0.0  1201.6     0.0    GORDONTON ROAD
10578 - 10325   19 0  1427  94.4   0.0   54.4    0.0   0.0     0.0   54.4    0.0  1256.0     0.0    SH 1B
10325 -  4845   16 0   102  64.3   0.0    5.7    0.0   0.0     0.0    5.7    0.0  1261.7     0.0    SH 1B
 4845 -  5702   16 0   183  64.3   0.0   10.2    0.0   0.0     0.0   10.2    0.0  1271.9     0.0
 5702 -  5525   16 0   269  63.9   0.0   15.2    0.0   0.0     0.0   15.2    0.0  1287.1     0.0    GORDONTON ROAD

Modelled Totals    29172  81.6       1231.1         56.0         1287.1
Observed Totals                0.0        1220.7         43.3        1264.0

Observed Journey Time =  1263.99     Implied Average Speed =  83.1
Modelled Journey Time =  1287.08    Modelled Average Speed =  81.6
                         101.83%                              98.21%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 10 Movement Analysis - times in seconds

R3aSB SH1B
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10322 - 5525	16	0	125	63.9	0.0	7.0	0.0	0.0	0.0	7.0	0.0	7.0	0.0	SH 1B
5525 - 5702	16	0	269	63.9	0.0	15.2	0.0	0.0	0.0	15.2	0.0	22.2	0.0	GORDONTON ROAD
5702 - 4845	16	0	183	64.4	0.0	10.2	0.0	0.0	0.0	10.2	0.0	32.4	0.0	
4845 - 10325	16	0	102	64.4	0.0	5.7	0.0	0.0	0.0	5.7	0.0	38.1	0.0	SH 1B
10325 - 10578	19	0	1427	94.5	0.0	54.4	0.0	0.0	0.0	54.4	0.0	92.5	0.0	SH 1B
10578 - 2705	10	0	1785	99.5	0.0	64.6	0.0	0.0	0.0	64.6	0.0	157.1	0.0	GORDONTON ROAD
2705 - 10682	10	0	895	99.5	0.0	32.4	0.0	0.0	0.0	32.4	0.0	189.5	0.0	GORDONTON ROAD
10682 - 2687	10	0	840	99.5	0.0	30.4	0.0	0.0	0.0	30.4	0.0	219.8	0.0	GORDONTON ROAD
2687 - 10577	19	0	197	94.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	227.4	0.0	GORDONTON ROAD
10577 - 2697	19	0	1850	94.5	0.0	70.5	0.0	0.0	0.0	70.5	0.0	297.8	0.0	GORDONTON ROAD
2697 - 2698	19	0	104	94.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	301.8	0.0	SH 1B
2698 - 5769	19	0	1907	94.5	0.0	72.6	0.0	0.0	0.0	72.6	0.0	374.4	0.0	GORDONTON ROAD
5769 - 10576	19	0	661	94.4	0.0	25.2	0.0	0.0	0.0	25.2	0.0	399.6	0.0	GORDONTON ROAD
10576 - 4806	19	0	344	94.4	0.0	13.1	0.0	0.0	0.0	13.1	0.0	412.8	0.0	GORDONTON ROAD
4806 - 4802	19	0	670	94.4	0.0	25.6	0.0	0.0	0.0	25.6	0.0	438.3	0.0	GORDONTON ROAD
4802 - 4734	19	0	1671	94.1	0.0	63.9	0.0	0.0	0.0	63.9	0.0	502.2	0.0	SH 1B
4734 - 4646	19	0	227	94.1	0.0	8.7	0.0	0.0	0.0	8.7	0.0	510.9	0.0	SH 1B
4646 - 4735	19	0	222	94.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	519.4	0.0	SH 1B
4735 - 5768	19	0	195	94.1	0.0	7.5	0.0	0.0	0.0	7.5	0.0	526.9	0.0	-- no name --
5768 - 5692	19	0	505	94.1	0.0	19.3	0.0	0.0	0.0	19.3	0.0	546.2	0.0	SH 1B
5692 - 5681	19	0	854	94.3	0.0	32.6	0.0	0.0	0.0	32.6	0.0	578.8	0.0	SH 1B
5681 - 5614	19	0	355	94.2	0.0	13.6	0.0	16.0	0.0	29.6	0.0	608.4	0.0	SH 1B
5614 - 5613	17	4	1883	74.7	0.0	90.7	0.0	13.0	0.0	103.7	0.0	712.1	0.0	SH 1B
5613 - 5670	18	0	838	84.1	0.0	35.9	0.0	0.0	0.0	35.9	0.0	748.0	0.0	PUKETAHA ROAD
5670 - 4097	18	0	1635	84.1	0.0	70.0	0.0	0.0	0.0	70.0	0.0	818.0	0.0	PUKETAHA ROAD
4097 - 5264	18	0	632	83.7	0.0	27.2	0.0	15.0	0.0	42.2	0.0	860.2	0.0	PUKETAHA ROAD
5264 - 4774	19	0	4040	94.9	0.0	153.3	0.0	0.0	0.0	153.3	0.0	1013.4	0.0	SH 1B
4774 - 2822	19	4	241	94.9	0.0	9.1	0.0	7.0	0.0	16.1	0.0	1029.6	0.0	SH 1B
2822 - 5485	16	0	1590	64.9	0.0	88.2	0.0	0.0	0.0	88.2	0.0	1117.8	0.0	SH 1B
5485 - 5504	16	0	528	64.8	0.0	29.3	0.0	0.0	0.0	29.3	0.0	1147.1	0.0	SH 1B
5504 - 4668	16	0	2255	64.9	0.0	125.1	0.0	0.0	0.0	125.1	0.0	1272.2	0.0	SH 1B
Modelled Totals	29030		82.1		1221.2		51.0		1272.2					
Observed Totals				0.0		1205.3		47.7		1253.0				

```
Observed Journey Time =  1252.97     Implied Average Speed =  83.4
Modelled Journey Time =  1272.18    Modelled Average Speed =  82.1
                         101.53%                             98.49%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 11 Movement Analysis - times in seconds

R3bNB SH1B

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6429 -  5917    5 0    93  48.0   0.0    7.0    0.0   0.0     0.0    7.0    0.0     7.0     0.0    SH 1B
 5917 -  5918    5 0   145  48.3   0.0   10.8    0.0   0.0     0.0   10.8    0.0    17.8     0.0    SH 1B
 5918 -  5919    6 0   101  58.4   0.0    6.2    0.0   0.0     0.0    6.2    0.0    24.0     0.0    SH 1B
 5919 -  5921    6 0   189  58.6   0.0   11.6    0.0   1.0     0.0   12.6    0.0    36.6     0.0    SH 1B
 5921 - 10297    6 0   109  58.8   0.0    6.7    0.0   0.0     0.0    6.7    0.0    43.3     0.0    SH 1B
10297 -  4468    6 0   120  58.8   0.0    7.3    0.0   1.0     0.0    8.3    0.0    51.6     0.0    SH 1B
 4468 -  4449    6 0   227  58.9   0.0   13.9    0.0   0.0     0.0   13.9    0.0    65.5     0.0    SH 1B
 4449 -  4470    9 0  2239  88.8   0.0   90.8    0.0  10.0     0.0  100.8    0.0   166.3     0.0    VICTORIA ROAD
 4470 -  4453   19 0    43  94.5   0.0    1.6    0.0   0.0     0.0    1.6    0.0   167.9     0.0
 4453 - 10317   19 0   501  94.5   0.0   19.1    0.0   0.0     0.0   19.1    0.0   187.0     0.0    VICTORIA ROAD
10317 -  4471   19 0   130  94.5   0.0    5.0    0.0   1.0     0.0    6.0    0.0   193.0     0.0    VICTORIA ROAD
 4471 -  5483   19 0  1175  94.8   0.0   44.6    0.0   0.0     0.0   44.6    0.0   237.6     0.0    VICTORIA ROAD
 5483 -  5484   19 0   984  94.7   0.0   37.4    0.0   0.0     0.0   37.4    0.0   275.0     0.0    VICTORIA ROAD
 5484 -  4846   19 0   646  94.7   0.0   24.6    0.0  15.0     0.0   39.6    0.0   314.5     0.0    VICTORIA ROAD
 4846 -  4839    9 4  1298  89.5   0.0   52.2    0.0  15.0     0.0   67.2    0.0   381.8     0.0    SH 1B
 4839 - 10633    9 0  1812  89.2   0.0   73.1    0.0   0.0     0.0   73.1    0.0   454.9     0.0    SH 1B
10633 -  4804    9 0  1281  89.1   0.0   51.8    0.0   0.0     0.0   51.8    0.0   506.6     0.0    SH 1B
 4804 -  5476    9 4  2082  89.1   0.0   84.1    0.0   8.0     0.0   92.1    0.0   598.8     0.0    SH 1B
 5476 -  4714   18 0  2187  84.2   0.0   93.5    0.0   0.0     0.0   93.5    0.0   692.3     0.0    SH 1B
 4714 -  5749    7 4   498  69.4   0.0   25.8    0.0  10.0     0.0   35.8    0.0   728.1     0.0    SH 1B
 5749 - 10703    7 0   498  68.4   0.0   26.2    0.0   0.0     0.0   26.2    0.0   754.3     0.0    SH 26

Modelled Totals    16358  78.1        693.3         61.0          754.3
Observed Totals                0.0         776.5          39.7         816.2

Observed Journey Time =   816.16     Implied Average Speed =  72.2
Modelled Journey Time =   754.31    Modelled Average Speed =  78.1
                          92.42%                            108.20%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 12 Movement Analysis - times in seconds

R4EB SH29
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8494 - 10204	10 0	2514	99.7	0.0	90.8	0.0	0.0	0.0	90.8	0.0	90.8	0.0	SH 29
10204 - 9854	10 0	3134	99.7	0.0	113.2	0.0	0.0	0.0	113.2	0.0	203.9	0.0	SH 29
9854 - 9873	10 0	3609	99.7	0.0	130.3	0.0	0.0	0.0	130.3	0.0	334.3	0.0	SH 29
9873 - 8476	8 0	10	79.5	0.0	0.5	0.0	1.0	0.0	1.5	0.0	335.7	0.0	SH 29
8476 - 9875	10 0	2496	99.8	0.0	90.0	0.0	0.0	0.0	90.0	0.0	425.7	0.0	SH 29
9875 - 8480	10 0	1640	99.8	0.0	59.2	0.0	0.0	0.0	59.2	0.0	484.9	0.0	SH 29
8480 - 9842	9 0	22	88.9	0.0	0.9	0.0	0.0	0.0	0.9	0.0	485.8	0.0	SH 29
9842 - 9885	10 0	2167	99.8	0.0	78.2	0.0	0.0	0.0	78.2	0.0	564.0	0.0	SH 29
9885 - 9544	7 0	4385	69.5	0.0	227.1	0.0	1.0	0.0	228.1	0.0	792.1	0.0	SH 29
9544 - 8486	7 0	235	69.3	0.0	12.2	0.0	0.0	0.0	12.2	0.0	804.3	0.0	SH 29
8486 - 9715	7 0	3396	69.5	0.0	175.9	0.0	0.0	0.0	175.9	0.0	980.2	0.0	SH 29
9715 - 9713	5 4	182	49.6	0.0	13.2	0.0	12.0	0.0	25.2	0.0	1005.4	0.0	SH 29
9713 - 9714	10 0	184	99.4	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1012.1	0.0	SH 29
9714 - 9872	10 0	1223	99.4	0.0	44.3	0.0	0.0	0.0	44.3	0.0	1056.4	0.0	SH 29
9872 - 8178	19 0	6465	94.0	0.0	247.6	0.0	0.0	0.0	247.6	0.0	1304.0	0.0	SH 29
8178 - 9145	7 0	1003	68.6	0.0	52.6	0.0	0.0	0.0	52.6	0.0	1356.6	0.0	-- no name --
9145 - 3918	19 0	10795	94.0	0.0	413.4	0.0	0.0	0.0	413.4	0.0	1770.0	0.0	SH 29
3918 - 8777	19 0	7526	93.7	0.0	289.2	0.0	0.0	0.0	289.2	0.0	2059.2	0.0	SH 29
8777 - 9455	9 0	1651	87.9	0.0	67.6	0.0	0.0	0.0	67.6	0.0	2126.8	0.0	SH 29
9455 - 9260	9 3	898	87.9	0.0	36.8	0.0	15.0	0.0	51.8	0.0	2178.6	0.0	SH 29
9260 - 3690	7 0	731	68.2	0.0	38.6	0.0	0.0	0.0	38.6	0.0	2217.2	0.0	SH 29
3690 - 9233	7 0	722	68.1	0.0	38.2	0.0	0.0	0.0	38.2	0.0	2255.3	0.0	SH 29
9233 - 9234	5 3	21	47.5	0.0	1.6	0.0	12.0	0.0	13.6	0.0	2268.9	0.0	SH 29
9234 - 9236	5 0	20	46.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	2270.5	0.0	SH 29
9236 - 3661	8 0	240	77.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	2281.7	0.0	SH 29
3661 - 3635	8 0	342	77.5	0.0	15.9	0.0	0.0	0.0	15.9	0.0	2297.6	0.0	SH 29
3635 - 9267	8 0	976	77.6	0.0	45.3	0.0	0.0	0.0	45.3	0.0	2342.8	0.0	SH 29
9267 - 9416	5 3	41	46.5	0.0	3.2	0.0	7.0	0.0	10.2	0.0	2353.0	0.0	SH 29
9416 - 9281	5 0	41	45.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2356.3	0.0	SH 29
9281 - 3640	8 0	485	76.6	0.0	22.8	0.0	0.0	0.0	22.8	0.0	2379.1	0.0	SH 29
3640 - 10813	8 3	541	76.8	0.0	25.4	0.0	15.0	0.0	40.4	0.0	2419.4	0.0	SH 29
10813 - 9407	8 0	1415	77.2	0.0	66.0	0.0	0.0	0.0	66.0	0.0	2485.4	0.0	SH 29
9407 - 9408	8 3	618	77.0	0.0	28.9	0.0	16.0	0.0	44.9	0.0	2530.3	0.0	SH 29
9408 - 9421	15 0	242	51.6	0.0	16.9	0.0	0.0	0.0	16.9	0.0	2547.2	0.0	SH 29
Modelled Totals	59970	84.8		2468.2		79.0		2547.2					
Observed Totals			0.0		2582.0		17.5		2599.5				

```
Observed Journey Time =  2599.52     Implied Average Speed =  83.1
Modelled Journey Time =  2547.19    Modelled Average Speed =  84.8
                         97.99%                             102.05%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 13 Movement Analysis - times in seconds

R4WB SH29
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9395 - 9421	15 0	115	51.4	0.0	8.1	0.0	0.0	0.0	8.1	0.0	8.1	0.0	SH 29
9421 - 9408	15 3	242	51.4	0.0	16.9	0.0	13.0	0.0	29.9	0.0	38.0	0.0	SH 29
9408 - 9407	8 0	618	77.0	0.0	28.9	0.0	0.0	0.0	28.9	0.0	66.9	0.0	SH 29
9407 - 10813	8 3	1415	77.1	0.0	66.1	0.0	16.0	0.0	82.1	0.0	149.0	0.0	SH 29
10813 - 3640	8 0	541	76.8	0.0	25.4	0.0	0.0	0.0	25.4	0.0	174.3	0.0	SH 29
3640 - 9281	8 0	485	76.6	0.0	22.8	0.0	0.0	0.0	22.8	0.0	197.1	0.0	SH 29
9281 - 9416	5 3	41	45.3	0.0	3.3	0.0	6.0	0.0	9.3	0.0	206.4	0.0	SH 29
9416 - 9267	5 0	41	46.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	209.6	0.0	SH 29
9267 - 3635	8 0	976	77.6	0.0	45.3	0.0	0.0	0.0	45.3	0.0	254.8	0.0	SH 29
3635 - 3661	8 0	342	77.5	0.0	15.9	0.0	0.0	0.0	15.9	0.0	270.7	0.0	SH 29
3661 - 9236	8 0	240	77.4	0.0	11.2	0.0	0.0	0.0	11.2	0.0	281.9	0.0	SH 29
9236 - 9234	5 3	20	46.3	0.0	1.6	0.0	9.0	0.0	10.6	0.0	292.4	0.0	SH 29
9234 - 9233	5 0	21	46.8	0.0	1.6	0.0	0.0	0.0	1.6	0.0	294.1	0.0	SH 29
9233 - 3690	7 0	722	67.7	0.0	38.4	0.0	0.0	0.0	38.4	0.0	332.4	0.0	SH 29
3690 - 9260	7 3	731	67.8	0.0	38.8	0.0	15.0	0.0	53.8	0.0	386.3	0.0	SH 29
9260 - 9455	9 0	898	87.7	0.0	36.9	0.0	0.0	0.0	36.9	0.0	423.1	0.0	SH 29
9455 - 8777	9 0	1651	87.7	0.0	67.8	0.0	0.0	0.0	67.8	0.0	490.9	0.0	SH 29
8777 - 3918	19 0	7526	93.5	0.0	289.8	0.0	0.0	0.0	289.8	0.0	780.7	0.0	SH 29
3918 - 9145	19 0	10795	93.7	0.0	414.7	0.0	0.0	0.0	414.7	0.0	1195.4	0.0	SH 29
9145 - 8178	7 0	1003	68.4	0.0	52.8	0.0	0.0	0.0	52.8	0.0	1248.2	0.0	-- no name --
8178 - 9872	19 0	6465	93.8	0.0	248.1	0.0	0.0	0.0	248.1	0.0	1496.3	0.0	SH 29
9872 - 9714	10 0	1223	99.2	0.0	44.4	0.0	0.0	0.0	44.4	0.0	1540.7	0.0	SH 29
9714 - 9715	10 4	288	99.7	0.0	10.4	0.0	4.0	0.0	14.4	0.0	1555.1	0.0	SH 29
9715 - 8486	7 0	3396	69.4	0.0	176.2	0.0	0.0	0.0	176.2	0.0	1731.3	0.0	SH 29
8486 - 9544	7 0	235	69.3	0.0	12.2	0.0	1.0	0.0	13.2	0.0	1744.5	0.0	SH 29
9544 - 9885	7 0	4385	69.5	0.0	227.1	0.0	0.0	0.0	227.1	0.0	1971.6	0.0	SH 29
9885 - 9842	10 0	2167	99.8	0.0	78.2	0.0	0.0	0.0	78.2	0.0	2049.8	0.0	SH 29
9842 - 8480	9 0	22	88.8	0.0	0.9	0.0	0.0	0.0	0.9	0.0	2050.7	0.0	SH 29
8480 - 9875	10 0	1640	99.8	0.0	59.2	0.0	0.0	0.0	59.2	0.0	2109.8	0.0	SH 29
9875 - 8476	10 0	2496	99.8	0.0	90.0	0.0	0.0	0.0	90.0	0.0	2199.9	0.0	SH 29
8476 - 9873	8 0	10	79.3	0.0	0.5	0.0	0.0	0.0	0.5	0.0	2200.3	0.0	SH 29
9873 - 9854	10 0	3609	99.6	0.0	130.4	0.0	0.0	0.0	130.4	0.0	2330.8	0.0	SH 29
9854 - 10204	10 0	3134	99.6	0.0	113.3	0.0	0.0	0.0	113.3	0.0	2444.0	0.0	SH 29

Modelled Totals	57493	84.7	2380.0		64.0	2444.0	
Observed Totals		0.0	2542.0		11.3	2553.3	

```
Observed Journey Time =  2553.26     Implied Average Speed =  81.1
Modelled Journey Time =  2444.04    Modelled Average Speed =  84.7
                         95.72%                              104.47%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 14 Movement Analysis - times in seconds

R6NB SH32
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8757 - 8276	18	0	104	84.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	4.5	0.0	SH 41
8276 - 8922	18	0	117	84.1	0.0	5.0	0.0	0.0	0.0	5.0	0.0	9.5	0.0	SH 41
8922 - 4486	18	0	529	84.1	0.0	22.6	0.0	0.0	0.0	22.6	0.0	32.1	0.0	SH 41
4486 - 8918	18	0	448	84.1	0.0	19.2	0.0	0.0	0.0	19.2	0.0	51.3	0.0	SH 41
8918 - 8915	10	0	951	99.7	0.0	34.3	0.0	0.0	0.0	34.3	0.0	85.6	0.0	SH 41
8915 - 8617	10	0	585	99.7	0.0	21.1	0.0	0.0	0.0	21.1	0.0	106.7	0.0	SH 41
8617 - 8926	10	0	245	99.7	0.0	8.8	0.0	0.0	0.0	8.8	0.0	115.6	0.0	SH 41
8926 - 8616	10	0	484	99.7	0.0	17.5	0.0	0.0	0.0	17.5	0.0	133.1	0.0	SH 41
8616 - 8916	9	0	1852	89.4	0.0	74.6	0.0	0.0	0.0	74.6	0.0	207.6	0.0	SH 41
8916 - 8701	9	0	1323	89.4	0.0	53.3	0.0	0.0	0.0	53.3	0.0	260.9	0.0	SH 41
8701 - 8731	17	0	7312	74.8	0.0	351.9	0.0	0.0	0.0	351.9	0.0	612.8	0.0	SH 41
8731 - 8959	9	0	8059	89.4	0.0	324.5	0.0	17.0	0.0	341.5	0.0	954.4	0.0	SH 41
8959 - 8530	29	0	2203	95.1	0.0	83.4	0.0	0.0	0.0	83.4	0.0	1037.8	0.0	WESTERN BAY ROAD
8530 - 4851	9	0	6358	89.4	0.0	256.0	0.0	0.0	0.0	256.0	0.0	1293.8	0.0	WESTERN BAY ROAD
4851 - 10727	9	0	6537	89.4	0.0	263.2	0.0	0.0	0.0	263.2	0.0	1557.0	0.0	WESTERN BAY ROAD
10727 - 8529	19	0	26574	95.1	0.0	1006.0	0.0	0.0	0.0	1006.0	0.0	2563.0	0.0	SH 32
8529 - 4207	19	0	6322	95.1	0.0	239.3	0.0	0.0	0.0	239.3	0.0	2802.3	0.0	SH 32
4207 - 8795	19	0	2446	95.0	0.0	92.7	0.0	0.0	0.0	92.7	0.0	2895.0	0.0	SH 32
8795 - 8797	19	0	3948	95.1	0.0	149.5	0.0	0.0	0.0	149.5	0.0	3044.4	0.0	SH 32
8797 - 8423	17	0	7804	74.6	0.0	376.6	0.0	0.0	0.0	376.6	0.0	3421.0	0.0	SH 32
8423 - 8992	17	4	4698	74.6	0.0	226.7	0.0	14.0	0.0	240.7	0.0	3661.7	0.0	SH 32
8992 - 8424	5	0	844	49.7	0.0	61.1	0.0	0.0	0.0	61.1	0.0	3722.9	0.0	SH 30
8424 - 8525	5	4	560	49.7	0.0	40.6	0.0	9.0	0.0	49.6	0.0	3772.4	0.0	SH 30
8525 - 10225	7	0	12042	69.6	0.0	622.9	0.0	0.0	0.0	622.9	0.0	4395.3	0.0	WHAKAMARU ROAD
10225 - 8537	18	1	8433	84.4	0.0	359.7	0.0	3.0	0.0	362.7	0.0	4758.0	0.0	WHAKAMARU ROAD
8537 - 9000	9	0	3889	89.4	0.0	156.6	0.0	1.0	0.0	157.6	0.0	4915.6	0.0	SH 32
9000 - 9030	9	0	761	89.2	0.0	30.7	0.0	0.0	0.0	30.7	0.0	4946.3	0.0	SH 32
9030 - 9006	7	0	414	69.2	0.0	21.5	0.0	0.0	0.0	21.5	0.0	4967.9	0.0	SH 32
9006 - 4099	15	0	307	54.3	0.0	20.4	0.0	0.0	0.0	20.4	0.0	4988.2	0.0	SH 32
4099 - 8784	15	0	295	54.2	0.0	19.6	0.0	0.0	0.0	19.6	0.0	5007.8	0.0	SH 32
8784 - 4100	15	0	373	54.6	0.0	24.6	0.0	0.0	0.0	24.6	0.0	5032.4	0.0	SH 32
4100 - 9026	15	0	281	54.4	0.0	18.6	0.0	0.0	0.0	18.6	0.0	5051.0	0.0	SH 32
9026 - 9041	15	0	115	53.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	5058.7	0.0	SH 32
9041 - 9032	5	0	75	48.6	0.0	5.6	0.0	0.0	0.0	5.6	0.0	5064.2	0.0	SH 32
9032 - 9042	5	0	408	48.9	0.0	30.0	0.0	0.0	0.0	30.0	0.0	5094.3	0.0	SH 32
9042 - 4101	5	0	163	49.0	0.0	12.0	0.0	0.0	0.0	12.0	0.0	5106.2	0.0	
4101 - 8785	5	4	187	49.1	0.0	13.7	0.0	9.8	0.0	23.5	0.0	5129.8	0.0	
Modelled Totals	118046			82.8		5076.0		53.8		5129.8				
Observed Totals					0.0		5019.0		20.4		5039.4			

```
Observed Journey Time =  5039.43     Implied Average Speed =  84.3
Modelled Journey Time =  5129.76    Modelled Average Speed =  82.8
                         101.79%                             98.24%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 15 Movement Analysis - times in seconds

R5NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8785 -  8786   15 0   337  53.8   0.0   22.6    0.0   0.0     0.0   22.6    0.0    22.6     0.0    MAIN ROAD
 8786 -  8715   15 0   245  53.8   0.0   16.4    0.0   0.0     0.0   16.4    0.0    38.9     0.0    MAIN ROAD
 8715 -  8710   15 0   466  54.4   0.0   30.8    0.0   0.0     0.0   30.8    0.0    69.8     0.0    MAIN ROAD
 8710 -  8716   15 0   131  54.3   0.0    8.7    0.0   0.0     0.0    8.7    0.0    78.5     0.0    MAIN ROAD
 8716 -  9016    7 0  1422  68.7   0.0   74.5    0.0   0.0     0.0   74.5    0.0   153.0     0.0    MAIN ROAD
 9016 -  9022    8 0   548  78.7   0.0   25.1    0.0   0.0     0.0   25.1    0.0   178.1     0.0    MAIN ROAD
 9022 -  9045   10 0   676  99.2   0.0   24.5    0.0   0.0     0.0   24.5    0.0   202.6     0.0    SH 1
 9045 -  4767   10 0  3416  99.2   0.0  124.0    0.0   0.0     0.0  124.0    0.0   326.6     0.0    SH 1
 4767 - 10198   10 0  4724  99.3   0.0  171.3    0.0   0.0     0.0  171.3    0.0   497.8     0.0    SH 1
10198 -  8542   10 0    22  99.3   0.0    0.8    0.0   0.0     0.0    0.8    0.0   498.6     0.0    SH 1
 8542 -  8738   10 0  3143  99.2   0.0  114.1    0.0   0.0     0.0  114.1    0.0   612.7     0.0    SH 1
 8738 - 10192   10 0   467  99.2   0.0   16.9    0.0   0.0     0.0   16.9    0.0   629.6     0.0    SH 1
10192 -  8565   10 0  4863  99.2   0.0  176.5    0.0   0.0     0.0  176.5    0.0   806.1     0.0    SH 1
 8565 -  8569    9 0  1053  88.6   0.0   42.8    0.0   0.0     0.0   42.8    0.0   848.9     0.0    SH 1
 8569 -  8847    9 0   943  88.6   0.0   38.3    0.0   0.0     0.0   38.3    0.0   887.2     0.0    TAUPO STREET
 8847 -  3440   15 0   387  53.8   0.0   25.9    0.0   0.0     0.0   25.9    0.0   913.1     0.0    TAUPO STREET
 3440 -  9129   15 3   351  53.6   0.0   23.6    0.0  12.0     0.0   35.6    0.0   948.7     0.0    TAUPO STREET
 9129 -  9113   15 0   107  52.9   0.0    7.3    0.0   0.0     0.0    7.3    0.0   956.0     0.0    TIRAU STREET
 9113 - 10202   15 0   451  53.0   0.0   30.6    0.0   0.0     0.0   30.6    0.0   986.6     0.0    SH 1
10202 -  3460   15 0   515  53.1   0.0   34.9    0.0   0.0     0.0   34.9    0.0  1021.5     0.0    SH 1
 3460 -  9125   15 0   707  53.1   0.0   47.9    0.0   0.0     0.0   47.9    0.0  1069.4     0.0    SH 1
 9125 -  8566   15 0  1415  53.5   0.0   95.2    0.0   0.0     0.0   95.2    0.0  1164.6     0.0    SH 1
 8566 -  8538   10 0  1795  99.2   0.0   65.1    0.0   0.0     0.0   65.1    0.0  1229.8     0.0    SH 1
 8538 - 10194   10 0  3288  99.3   0.0  119.2    0.0   0.0     0.0  119.2    0.0  1349.0     0.0    SH 1
10194 -  9682    8 0    30  78.8   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1350.4     0.0    SH 1

Modelled Totals    31502  84.0       1338.4         12.0         1350.4
Observed Totals                 0.0        1389.3          5.8        1395.2

Observed Journey Time =  1395.18     Implied Average Speed =  81.3
Modelled Journey Time =  1350.36    Modelled Average Speed =  84.0
                          96.79%                             103.32%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 16 Movement Analysis - times in seconds

R5SB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9682 - 10194    8 0    30  78.9   0.0    1.4    0.0   0.0     0.0    1.4    0.0     1.4     0.0    SH 1
10194 -  8538   10 0  3288  99.3   0.0  119.2    0.0   0.0     0.0  119.2    0.0   120.6     0.0    SH 1
 8538 -  8566   10 0  1795  99.3   0.0   65.1    0.0   0.0     0.0   65.1    0.0   185.6     0.0    SH 1
 8566 -  9125   15 0  1415  53.6   0.0   95.0    0.0   0.0     0.0   95.0    0.0   280.7     0.0    SH 1
 9125 -  3460   15 0   707  53.1   0.0   47.9    0.0   0.0     0.0   47.9    0.0   328.6     0.0    SH 1
 3460 - 10202   15 0   515  53.1   0.0   34.9    0.0   0.0     0.0   34.9    0.0   363.5     0.0    SH 1
10202 -  9113   15 0   451  53.0   0.0   30.6    0.0   0.0     0.0   30.6    0.0   394.2     0.0    SH 1
 9113 -  9129   15 3   107  52.9   0.0    7.3    0.0   8.0     0.0   15.3    0.0   409.4     0.0    TIRAU STREET
 9129 -  3440   15 0   351  53.7   0.0   23.5    0.0   0.0     0.0   23.5    0.0   433.0     0.0    TAUPO STREET
 3440 -  8847   15 0   387  53.9   0.0   25.8    0.0   0.0     0.0   25.8    0.0   458.8     0.0    TAUPO STREET
 8847 -  8569    9 0   943  88.6   0.0   38.3    0.0   0.0     0.0   38.3    0.0   497.1     0.0    TAUPO STREET
 8569 -  8565    9 0  1053  88.6   0.0   42.8    0.0   0.0     0.0   42.8    0.0   539.9     0.0    SH 1
 8565 - 10192   10 0  4863  99.3   0.0  176.3    0.0   0.0     0.0  176.3    0.0   716.2     0.0    SH 1
10192 -  8738   10 0   467  99.3   0.0   16.9    0.0   0.0     0.0   16.9    0.0   733.2     0.0    SH 1
 8738 -  8542   10 0  3143  99.3   0.0  113.9    0.0   0.0     0.0  113.9    0.0   847.1     0.0    SH 1
 8542 - 10198   10 0    22  99.3   0.0    0.8    0.0   0.0     0.0    0.8    0.0   847.9     0.0    SH 1
10198 -  4767   10 0  4724  99.4   0.0  171.1    0.0   0.0     0.0  171.1    0.0  1019.0     0.0    SH 1
 4767 -  9045   10 0  3416  99.3   0.0  123.8    0.0   0.0     0.0  123.8    0.0  1142.8     0.0    SH 1
 9045 -  9022   10 0   676  99.3   0.0   24.5    0.0   0.0     0.0   24.5    0.0  1167.3     0.0    SH 1
 9022 -  9016    8 0   548  78.9   0.0   25.0    0.0   0.0     0.0   25.0    0.0  1192.3     0.0    MAIN ROAD
 9016 -  8716    7 0  1422  68.8   0.0   74.4    0.0   0.0     0.0   74.4    0.0  1266.8     0.0    MAIN ROAD
 8716 -  8710   15 0   131  54.3   0.0    8.7    0.0   0.0     0.0    8.7    0.0  1275.4     0.0    MAIN ROAD
 8710 -  8715   15 0   466  54.4   0.0   30.8    0.0   2.0     0.0   32.8    0.0  1308.3     0.0    MAIN ROAD
 8715 -  8786   15 0   245  53.9   0.0   16.4    0.0   0.0     0.0   16.4    0.0  1324.6     0.0    MAIN ROAD
 8786 -  8785   15 0   337  53.9   0.0   22.5    0.0   2.2     0.0   24.7    0.0  1349.4     0.0    MAIN ROAD

Modelled Totals    31502  84.0       1337.2         12.2         1349.4
Observed Totals                 0.0        1352.8          2.6        1355.4

Observed Journey Time =  1355.38     Implied Average Speed =  83.7
Modelled Journey Time =  1349.35    Modelled Average Speed =  84.0
                          99.56%                              100.45%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 17 Movement Analysis - times in seconds

R6SB SH32
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8785 - 4101	5 0	187	49.0	0.0	13.7	0.0	0.0	0.0	13.7	0.0	13.7	0.0	
4101 - 9042	5 0	163	48.9	0.0	12.0	0.0	0.0	0.0	12.0	0.0	25.7	0.0	
9042 - 9032	5 0	408	48.9	0.0	30.0	0.0	0.0	0.0	30.0	0.0	55.8	0.0	SH 32
9032 - 9041	5 0	75	48.6	0.0	5.6	0.0	0.0	0.0	5.6	0.0	61.3	0.0	SH 32
9041 - 9026	15 0	115	53.8	0.0	7.7	0.0	0.0	0.0	7.7	0.0	69.0	0.0	SH 32
9026 - 4100	15 0	281	54.4	0.0	18.6	0.0	0.0	0.0	18.6	0.0	87.6	0.0	SH 32
4100 - 8784	15 0	373	54.5	0.0	24.6	0.0	0.0	0.0	24.6	0.0	112.3	0.0	SH 32
8784 - 4099	15 0	295	54.1	0.0	19.6	0.0	0.0	0.0	19.6	0.0	131.9	0.0	SH 32
4099 - 9006	15 0	307	54.3	0.0	20.4	0.0	0.0	0.0	20.4	0.0	152.2	0.0	SH 32
9006 - 9030	7 0	414	69.2	0.0	21.5	0.0	0.0	0.0	21.5	0.0	173.8	0.0	SH 32
9030 - 9000	9 0	761	89.2	0.0	30.7	0.0	1.0	0.0	31.7	0.0	205.5	0.0	SH 32
9000 - 8537	9 0	3889	89.4	0.0	156.6	0.0	4.0	0.0	160.6	0.0	366.1	0.0	SH 32
8537 - 10225	18 0	8433	84.4	0.0	359.7	0.0	0.0	0.0	359.7	0.0	725.8	0.0	WHAKAMARU ROAD
10225 - 8525	7 0	12042	69.6	0.0	622.9	0.0	13.0	0.0	635.9	0.0	1361.7	0.0	WHAKAMARU ROAD
8525 - 8424	5 0	560	49.7	0.0	40.6	0.0	0.0	0.0	40.6	0.0	1402.2	0.0	SH 30
8424 - 8992	5 0	844	49.7	0.0	61.1	0.0	11.0	0.0	72.1	0.0	1474.4	0.0	SH 30
8992 - 8423	17 0	4698	74.7	0.0	226.4	0.0	0.0	0.0	226.4	0.0	1700.8	0.0	SH 32
8423 - 8797	17 0	7804	74.7	0.0	376.1	0.0	0.0	0.0	376.1	0.0	2076.9	0.0	SH 32
8797 - 8795	19 0	3948	95.1	0.0	149.5	0.0	0.0	0.0	149.5	0.0	2226.3	0.0	SH 32
8795 - 4207	19 0	2446	95.0	0.0	92.7	0.0	0.0	0.0	92.7	0.0	2319.0	0.0	SH 32
4207 - 8529	19 0	6322	95.1	0.0	239.3	0.0	0.0	0.0	239.3	0.0	2558.3	0.0	SH 32
8529 - 10727	19 0	26574	95.1	0.0	1006.0	0.0	0.0	0.0	1006.0	0.0	3564.3	0.0	SH 32
10727 - 4851	9 0	6537	89.4	0.0	263.2	0.0	0.0	0.0	263.2	0.0	3827.5	0.0	WESTERN BAY ROAD
4851 - 8530	9 0	6358	89.4	0.0	256.0	0.0	0.0	0.0	256.0	0.0	4083.5	0.0	WESTERN BAY ROAD
8530 - 8959	29 4	2203	95.1	0.0	83.4	0.0	17.0	0.0	100.4	0.0	4183.9	0.0	WESTERN BAY ROAD
8959 - 8731	9 0	8059	89.4	0.0	324.5	0.0	0.0	0.0	324.5	0.0	4508.5	0.0	SH 41
8731 - 8701	17 0	7312	74.8	0.0	351.9	0.0	0.0	0.0	351.9	0.0	4860.4	0.0	SH 41
8701 - 8916	9 0	1323	89.4	0.0	53.3	0.0	0.0	0.0	53.3	0.0	4913.7	0.0	SH 41
8916 - 8616	9 0	1852	89.4	0.0	74.6	0.0	0.0	0.0	74.6	0.0	4988.2	0.0	SH 41
8616 - 8926	10 0	484	99.7	0.0	17.5	0.0	0.0	0.0	17.5	0.0	5005.7	0.0	SH 41
8926 - 8617	10 0	245	99.8	0.0	8.8	0.0	0.0	0.0	8.8	0.0	5014.5	0.0	SH 41
8617 - 8915	10 0	585	99.7	0.0	21.1	0.0	0.0	0.0	21.1	0.0	5035.7	0.0	SH 41
8915 - 8918	10 0	951	99.7	0.0	34.3	0.0	0.0	0.0	34.3	0.0	5070.0	0.0	SH 41
8918 - 4486	18 0	448	84.1	0.0	19.2	0.0	0.0	0.0	19.2	0.0	5089.2	0.0	SH 41
4486 - 8922	18 0	529	84.1	0.0	22.6	0.0	0.0	0.0	22.6	0.0	5111.8	0.0	SH 41
8922 - 8276	18 0	117	84.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	5116.8	0.0	SH 41
8276 - 8757	18 4	104	84.0	0.0	4.5	0.0	13.6	0.0	18.1	0.0	5134.9	0.0	SH 41
Modelled Totals	118046	82.8		5075.3		59.6		5134.9					
Observed Totals			0.0		5116.9		21.2		5138.0				

```
Observed Journey Time =  5138.05     Implied Average Speed =  82.7
Modelled Journey Time =  5134.90    Modelled Average Speed =  82.8
                         99.94%                             100.06%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 18 Movement Analysis - times in seconds

R7NB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8757 - 8431	6	0	790	59.5	0.0	47.8	0.0	0.0	0.0	47.8	0.0	47.8	0.0	SH 1
8431 - 8618	6	0	37	59.5	0.0	2.2	0.0	0.0	0.0	2.2	0.0	50.0	0.0	SH 1
8618 - 8275	6	0	599	59.4	0.0	36.3	0.0	0.0	0.0	36.3	0.0	86.3	0.0	SH 1
8275 - 8509	7	0	1394	69.3	0.0	72.4	0.0	0.0	0.0	72.4	0.0	158.8	0.0	SH 1
8509 - 4558	18	0	13285	84.1	0.0	568.7	0.0	0.0	0.0	568.7	0.0	727.4	0.0	SH 1
4558 - 8578	18	0	10822	84.1	0.0	463.2	0.0	0.0	0.0	463.2	0.0	1190.7	0.0	SH 1
8578 - 8416	9	0	15514	89.2	0.0	626.1	0.0	0.0	0.0	626.1	0.0	1816.8	0.0	SH 1
8416 - 8415	9	0	2335	89.2	0.0	94.2	0.0	0.0	0.0	94.2	0.0	1911.0	0.0	SH 1
8415 - 4249	8	0	907	79.3	0.0	41.2	0.0	0.0	0.0	41.2	0.0	1952.2	0.0	SH 1
4249 - 8930	8	0	314	79.0	0.0	14.3	0.0	0.0	0.0	14.3	0.0	1966.5	0.0	SH 1
8930 - 4257	7	0	282	68.7	0.0	14.8	0.0	0.0	0.0	14.8	0.0	1981.3	0.0	SH 1
4257 - 8717	7	0	351	68.5	0.0	18.4	0.0	0.0	0.0	18.4	0.0	1999.8	0.0	SH 1
8717 - 8410	7	0	290	68.4	0.0	15.3	0.0	0.0	0.0	15.3	0.0	2015.0	0.0	SH 1
8410 - 8932	7	0	350	68.2	0.0	18.5	0.0	0.0	0.0	18.5	0.0	2033.5	0.0	SH 1
8932 - 8740	7	0	321	68.0	0.0	17.0	0.0	0.0	0.0	17.0	0.0	2050.5	0.0	SH 1
8740 - 4352	7	0	571	67.4	0.0	30.5	0.0	0.0	0.0	30.5	0.0	2081.0	0.0	LAKE TERRACE
4352 - 8935	7	0	142	67.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	2088.6	0.0	LAKE TERRACE
8935 - 8934	7	0	41	67.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	2090.8	0.0	LAKE TERRACE
8934 - 8980	7	0	965	67.6	0.0	51.4	0.0	0.0	0.0	51.4	0.0	2142.2	0.0	LAKE TERRACE
8980 - 8938	5	0	24	46.7	0.0	1.9	0.0	0.0	0.0	1.9	0.0	2144.0	0.0	LAKE TERRACE
8938 - 8400	5	0	78	46.8	0.0	6.0	0.0	0.0	0.0	6.0	0.0	2150.0	0.0	LAKE TERRACE
8400 - 8937	5	0	175	46.8	0.0	13.5	0.0	0.0	0.0	13.5	0.0	2163.5	0.0	LAKE TERRACE
8937 - 8943	5	0	242	47.2	0.0	18.5	0.0	0.0	0.0	18.5	0.0	2181.9	0.0	LAKE TERRACE
8943 - 8945	6	6	445	58.7	0.0	27.3	0.0	66.0	0.0	93.3	0.0	2275.2	0.0	TONGARIRO STREET
8945 - 8397	6	0	129	58.6	0.0	7.9	0.0	0.0	0.0	7.9	0.0	2283.1	0.0	TONGARIRO STREET
8397 - 8969	6	0	92	58.4	0.0	5.7	0.0	0.0	0.0	5.7	0.0	2288.8	0.0	TONGARIRO STREET
8969 - 11324	6	0	77	57.9	0.0	4.8	0.0	0.0	0.0	4.8	0.0	2293.6	0.0	TONGARIRO STREET
11324 - 8954	6	3	75	57.9	0.0	4.7	0.0	8.0	0.0	12.7	0.0	2306.3	0.0	TONGARIRO STREET
8954 - 4408	13	0	318	23.5	0.0	48.7	0.0	0.0	0.0	48.7	0.0	2355.0	0.0	TONGARIRO STREET
4408 - 8402	13	0	145	26.7	0.0	19.6	0.0	0.0	0.0	19.6	0.0	2374.5	0.0	TONGARIRO STREET
8402 - 8404	13	0	53	26.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	2381.7	0.0	TONGARIRO STREET
8404 - 8790	6	0	11	56.7	0.0	0.7	0.0	0.0	0.0	0.7	0.0	2382.4	0.0	TONGARIRO STREET
8790 - 8403	15	0	65	51.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	2386.9	0.0	SH 1
8403 - 4236	8	0	312	77.2	0.0	14.5	0.0	0.0	0.0	14.5	0.0	2401.4	0.0	SH 1
4236 - 8755	8	0	355	77.3	0.0	16.5	0.0	0.0	0.0	16.5	0.0	2418.0	0.0	SH 1
8755 - 8635	18	0	280	83.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	2430.1	0.0	SH 1
8635 - 8551	19	0	3478	94.2	0.0	132.9	0.0	0.0	0.0	132.9	0.0	2563.0	0.0	SH 1
8551 - 4226	19	0	494	94.2	0.0	18.9	0.0	0.0	0.0	18.9	0.0	2581.9	0.0	SH 1
4226 - 9410	19	0	1942	94.2	0.0	74.2	0.0	0.0	0.0	74.2	0.0	2656.1	0.0	SH 1
9410 - 8391	19	0	327	94.3	0.0	12.5	0.0	0.0	0.0	12.5	0.0	2668.6	0.0	SH 1
Modelled Totals	58427			78.8		2594.6		74.0		2668.6				
Observed Totals					0.0		2659.0		9.3		2668.3			

```
Observed Journey Time =  2668.33     Implied Average Speed =  78.8
Modelled Journey Time =  2668.56    Modelled Average Speed =  78.8
                         100.01%                             99.99%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 19 Movement Analysis - times in seconds

R7SB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8792 -  8391   19 0   178  94.6   0.0    6.8    0.0   0.0     0.0    6.8    0.0     6.8     0.0    SH 1
 8391 -  9410   19 0   327  94.6   0.0   12.4    0.0   0.0     0.0   12.4    0.0    19.2     0.0    SH 1
 9410 -  4226   19 0  1942  94.4   0.0   74.1    0.0   0.0     0.0   74.1    0.0    93.3     0.0    SH 1
 4226 -  8551   19 0   494  94.4   0.0   18.8    0.0   0.0     0.0   18.8    0.0   112.1     0.0    SH 1
 8551 -  8635   19 0  3478  94.4   0.0  132.6    0.0   0.0     0.0  132.6    0.0   244.8     0.0    SH 1
 8635 -  8755   18 0   280  83.6   0.0   12.1    0.0   0.0     0.0   12.1    0.0   256.8     0.0    SH 1
 8755 -  4236    8 0   355  77.9   0.0   16.4    0.0   0.0     0.0   16.4    0.0   273.2     0.0    SH 1
 4236 -  8403    8 0   312  77.8   0.0   14.4    0.0   0.0     0.0   14.4    0.0   287.7     0.0    SH 1
 8403 -  8402   15 0   129  52.5   0.0    8.8    0.0   0.0     0.0    8.8    0.0   296.5     0.0    SH 1
 8402 -  4408   13 0   145  29.4   0.0   17.8    0.0   0.0     0.0   17.8    0.0   314.3     0.0    TONGARIRO STREET
 4408 -  8954   13 3   318  26.7   0.0   42.9    0.0   7.0     0.0   49.9    0.0   364.1     0.0    TONGARIRO STREET
 8954 - 11324    6 0    75  58.1   0.0    4.6    0.0   0.0     0.0    4.6    0.0   368.8     0.0    TONGARIRO STREET
11324 -  8969    6 0    77  58.0   0.0    4.8    0.0   0.0     0.0    4.8    0.0   373.6     0.0    TONGARIRO STREET
 8969 -  8397    6 0    92  58.9   0.0    5.6    0.0   0.0     0.0    5.6    0.0   379.2     0.0    TONGARIRO STREET
 8397 -  8945    6 6   129  59.1   0.0    7.9    0.0  68.0     0.0   75.9    0.0   455.0     0.0    TONGARIRO STREET
 8945 -  8943    6 0   445  58.4   0.0   27.4    0.0   0.0     0.0   27.4    0.0   482.5     0.0    TONGARIRO STREET
 8943 -  8937    5 0   242  47.2   0.0   18.5    0.0   0.0     0.0   18.5    0.0   500.9     0.0    LAKE TERRACE
 8937 -  8400    5 0   175  46.7   0.0   13.5    0.0   0.0     0.0   13.5    0.0   514.4     0.0    LAKE TERRACE
 8400 -  8938    5 0    78  46.7   0.0    6.0    0.0   0.0     0.0    6.0    0.0   520.4     0.0    LAKE TERRACE
 8938 -  8980    5 0    24  46.5   0.0    1.9    0.0   0.0     0.0    1.9    0.0   522.3     0.0    LAKE TERRACE
 8980 -  8934    7 0   965  67.5   0.0   51.5    0.0   0.0     0.0   51.5    0.0   573.8     0.0    LAKE TERRACE
 8934 -  8935    7 0    41  67.3   0.0    2.2    0.0   0.0     0.0    2.2    0.0   575.9     0.0    LAKE TERRACE
 8935 -  4352    7 0   142  67.2   0.0    7.6    0.0   0.0     0.0    7.6    0.0   583.6     0.0    LAKE TERRACE
 4352 -  8740    7 0   571  67.4   0.0   30.5    0.0   0.0     0.0   30.5    0.0   614.1     0.0    LAKE TERRACE
 8740 -  8932    7 0   321  68.0   0.0   17.0    0.0   0.0     0.0   17.0    0.0   631.0     0.0    SH 1
 8932 -  8410    7 0   350  68.1   0.0   18.5    0.0   0.0     0.0   18.5    0.0   649.5     0.0    SH 1
 8410 -  8717    7 0   290  68.3   0.0   15.3    0.0   0.0     0.0   15.3    0.0   664.8     0.0    SH 1
 8717 -  4257    7 0   351  68.4   0.0   18.5    0.0   0.0     0.0   18.5    0.0   683.3     0.0    SH 1
 4257 -  8930    7 0   282  68.6   0.0   14.8    0.0   0.0     0.0   14.8    0.0   698.1     0.0    SH 1
 8930 -  4249    8 0   314  78.9   0.0   14.3    0.0   0.0     0.0   14.3    0.0   712.4     0.0    SH 1
 4249 -  8415    8 0   907  79.3   0.0   41.2    0.0   0.0     0.0   41.2    0.0   753.6     0.0    SH 1
 8415 -  8416    9 0  2335  89.2   0.0   94.2    0.0   0.0     0.0   94.2    0.0   847.8     0.0    SH 1
 8416 -  8578    9 0 15514  89.2   0.0  626.1    0.0   0.0     0.0  626.1    0.0  1474.0     0.0    SH 1
 8578 -  4558   18 0 10822  84.1   0.0  463.2    0.0   0.0     0.0  463.2    0.0  1937.2     0.0    SH 1
 4558 -  8509   18 0 13285  84.1   0.0  568.7    0.0   0.0     0.0  568.7    0.0  2505.9     0.0    SH 1
 8509 -  8275    7 0  1394  69.3   0.0   72.4    0.0   0.0     0.0   72.4    0.0  2578.3     0.0    SH 1
 8275 -  8618    6 0   599  59.4   0.0   36.3    0.0   1.0     0.0   37.3    0.0  2615.6     0.0    SH 1
 8618 -  8431    6 0    37  59.5   0.0    2.2    0.0   0.0     0.0    2.2    0.0  2617.9     0.0    SH 1
 8431 -  8757    6 0   790  59.5   0.0   47.8    0.0   4.1     0.0   51.9    0.0  2669.8     0.0    SH 1

Modelled Totals    58605  79.0       2589.7         80.1         2669.8
Observed Totals                0.0        2705.7          4.3        2710.0

Observed Journey Time =  2709.96     Implied Average Speed =  77.9
Modelled Journey Time =  2669.76    Modelled Average Speed =  79.0
                          98.52%                              101.51%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 20 Movement Analysis - times in seconds

R8NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8392 -  8929   10 0  4330  99.6   0.0  156.5    0.0   0.0     0.0  156.5    0.0   156.5     0.0    SH 1
 8929 -  8958   10 0  1537  99.6   0.0   55.6    0.0   0.0     0.0   55.6    0.0   212.1     0.0    SH 1
 8958 -  8706   10 0  4063  99.6   0.0  146.9    0.0   0.0     0.0  146.9    0.0   358.9     0.0    SH 1
 8706 -  8984   10 0  4560  99.5   0.0  165.0    0.0   0.0     0.0  165.0    0.0   523.9     0.0    SH 1
 8984 -  8558   10 0  1750  99.5   0.0   63.3    0.0   0.0     0.0   63.3    0.0   587.2     0.0    SH 1
 8558 -  8388   10 0  4852  99.5   0.0  175.5    0.0   0.0     0.0  175.5    0.0   762.8     0.0    SH 1
 8388 -  8629   10 0  6670  99.5   0.0  241.3    0.0   0.0     0.0  241.3    0.0  1004.1     0.0    SH 1
 8629 -  8663   10 0  1538  99.6   0.0   55.6    0.0   0.0     0.0   55.6    0.0  1059.7     0.0    SH 1
 8663 -  8990   10 0  1370  99.5   0.0   49.6    0.0   0.0     0.0   49.6    0.0  1109.3     0.0    SH 1
 8990 -  8844   10 0   965  99.5   0.0   34.9    0.0   0.0     0.0   34.9    0.0  1144.2     0.0    SH 1
 8844 -  8527   10 0  5578  99.5   0.0  201.8    0.0   0.0     0.0  201.8    0.0  1346.0     0.0    SH 1
 8527 -  8544   10 0  6207  99.4   0.0  224.8    0.0   0.0     0.0  224.8    0.0  1570.8     0.0    SH 1
 8544 -  8543   10 0   564  99.7   0.0   20.4    0.0   0.0     0.0   20.4    0.0  1591.1     0.0    SH 1
 8543 - 10222   10 0  7067  99.3   0.0  256.2    0.0   0.0     0.0  256.2    0.0  1847.4     0.0    SH 1
10222 -  8570   10 0  1261  99.3   0.0   45.7    0.0   0.0     0.0   45.7    0.0  1893.1     0.0    SH 1
 8570 - 10223   10 0  1207  99.3   0.0   43.8    0.0   0.0     0.0   43.8    0.0  1936.8     0.0    SH 1
10223 -  8781   10 0   872  99.2   0.0   31.6    0.0   0.0     0.0   31.6    0.0  1968.5     0.0    SH 1
 8781 - 10221   10 0  1102  99.2   0.0   40.0    0.0   0.0     0.0   40.0    0.0  2008.5     0.0    MAIN ROAD
10221 -  9040    7 0   179  68.5   0.0    9.4    0.0   3.8     0.0   13.2    0.0  2021.7     0.0    MAIN ROAD

Modelled Totals    55672  99.1       2017.9          3.8          2021.7
Observed Totals                 0.0        2076.0          0.0        2076.0

Observed Journey Time =  2076.00     Implied Average Speed =  96.5
Modelled Journey Time =  2021.67    Modelled Average Speed =  99.1
                         97.38%                             102.69%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 21 Movement Analysis - times in seconds

R9NB SH5
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8792 - 8552	8	0	1049	79.6	0.0	47.4	0.0	0.0	0.0	47.4	0.0	47.4	0.0	SH 5
8552 - 8553	9	0	1169	89.2	0.0	47.2	0.0	0.0	0.0	47.2	0.0	94.6	0.0	SH 5
8553 - 8554	9	0	2279	89.2	0.0	92.0	0.0	0.0	0.0	92.0	0.0	186.6	0.0	SH 5
8554 - 8556	19	0	3984	94.8	0.0	151.3	0.0	0.0	0.0	151.3	0.0	337.9	0.0	SH 5
8556 - 4223	19	0	4163	94.8	0.0	158.1	0.0	0.0	0.0	158.1	0.0	496.0	0.0	SH 5
4223 - 8557	19	0	9889	94.9	0.0	375.1	0.0	0.0	0.0	375.1	0.0	871.1	0.0	SH 5
8557 - 8798	19	0	3358	94.9	0.0	127.4	0.0	0.0	0.0	127.4	0.0	998.5	0.0	SH 5
8798 - 8277	19	0	5493	94.9	0.0	208.4	0.0	0.0	0.0	208.4	0.0	1206.9	0.0	SH 5
8277 - 8560	19	0	1656	94.9	0.0	62.8	0.0	0.0	0.0	62.8	0.0	1269.7	0.0	SH 5
8560 - 8989	19	0	5378	95.0	0.0	203.8	0.0	0.0	0.0	203.8	0.0	1473.5	0.0	SH 5
8989 - 8810	19	0	5782	94.7	0.0	219.8	0.0	0.0	0.0	219.8	0.0	1693.3	0.0	SH 5
8810 - 10726	9	0	1094	89.1	0.0	44.2	0.0	0.0	0.0	44.2	0.0	1737.5	0.0	SH 5
10726 - 8386	9	0	2133	89.1	0.0	86.2	0.0	0.0	0.0	86.2	0.0	1823.7	0.0	SH 5
8386 - 8741	9	0	220	89.1	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1832.6	0.0	SH 5
8741 - 8387	9	0	158	88.9	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1839.0	0.0	SH 5
8387 - 8996	10	0	12504	99.4	0.0	452.9	0.0	0.0	0.0	452.9	0.0	2291.8	0.0	SH 5
8996 - 8592	10	0	214	99.3	0.0	7.8	0.0	0.0	0.0	7.8	0.0	2299.6	0.0	SH 5
8592 - 4039	9	0	6701	88.7	0.0	272.0	0.0	0.0	0.0	272.0	0.0	2571.6	0.0	SH 5
4039 - 8783	9	0	551	88.6	0.0	22.4	0.0	0.0	0.0	22.4	0.0	2593.9	0.0	SH 5
8783 - 8804	9	0	207	88.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	2602.4	0.0	SH 5
8804 - 8383	9	0	73	88.5	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2605.3	0.0	SH 5
8383 - 3990	7	0	550	68.0	0.0	29.1	0.0	0.0	0.0	29.1	0.0	2634.5	0.0	SH 5
3990 - 8594	7	0	405	67.9	0.0	21.5	0.0	11.0	0.0	32.5	0.0	2666.9	0.0	SH 5
8594 - 9093	15	0	745	53.4	0.0	50.2	0.0	0.0	0.0	50.2	0.0	2717.2	0.0	OLD TAUPO ROAD
9093 - 9039	15	0	460	53.8	0.0	30.8	0.0	0.0	0.0	30.8	0.0	2747.9	0.0	OLD TAUPO ROAD
9039 - 8596	5	3	328	48.0	0.0	24.6	0.0	13.0	0.0	37.6	0.0	2785.5	0.0	OLD TAUPO ROAD
8596 - 9102	5	0	511	47.4	0.0	38.8	0.0	0.0	0.0	38.8	0.0	2824.3	0.0	OLD TAUPO ROAD
9102 - 9072	15	0	387	52.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	2850.7	0.0	OLD TAUPO ROAD
9072 - 8709	15	7	122	51.8	0.0	8.5	0.0	17.0	0.0	25.5	0.0	2876.2	0.0	OLD TAUPO ROAD
8709 - 9054	15	0	322	53.0	0.0	21.9	0.0	0.0	0.0	21.9	0.0	2898.1	0.0	
9054 - 8841	15	6	563	53.0	0.0	38.2	0.0	11.0	0.0	49.2	0.0	2947.3	0.0	SH 5
8841 - 8373	15	0	24	52.4	0.0	1.6	0.0	0.0	0.0	1.6	0.0	2949.0	0.0	Old Taupo Road
8373 - 9060	15	0	273	52.4	0.0	18.8	0.0	0.0	0.0	18.8	0.0	2967.7	0.0	Old Taupo Road
9060 - 9081	15	6	107	52.5	0.0	7.3	0.0	20.0	0.0	27.3	0.0	2995.1	0.0	SH 5
9081 - 9083	15	0	292	52.9	0.0	19.9	0.0	0.0	0.0	19.9	0.0	3014.9	0.0	SH 5
9083 - 9062	15	0	224	53.0	0.0	15.2	0.0	0.0	0.0	15.2	0.0	3030.2	0.0	SH 5
9062 - 9084	15	0	69	53.2	0.0	4.7	0.0	0.0	0.0	4.7	0.0	3034.8	0.0	SH 5
9084 - 8259	15	0	354	53.2	0.0	24.0	0.0	0.0	0.0	24.0	0.0	3058.8	0.0	SH 5
8259 - 9085	15	6	35	53.2	0.0	2.4	0.0	40.0	0.0	42.4	0.0	3101.1	0.0	SH 5
9085 - 8257	15	0	78	51.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	3106.6	0.0	FAIRY SPRINGS ROAD
8257 - 4018	15	0	248	51.4	0.0	17.4	0.0	0.0	0.0	17.4	0.0	3123.9	0.0	FAIRY SPRINGS ROAD
4018 - 9099	15	0	321	51.5	0.0	22.4	0.0	0.0	0.0	22.4	0.0	3146.4	0.0	FAIRY SPRINGS ROAD
9099 - 9087	6	0	398	56.5	0.0	25.4	0.0	0.0	0.0	25.4	0.0	3171.7	0.0	SH 5
9087 - 4009	6	0	225	53.9	0.0	15.0	0.0	0.0	0.0	15.0	0.0	3186.8	0.0	NGONGOTAHA ROAD
4009 - 8361	6	0	370	54.7	0.0	24.4	0.0	0.0	0.0	24.4	0.0	3211.1	0.0	NGONGOTAHA ROAD
8361 - 3956	17	0	1404	71.3	0.0	70.9	0.0	0.0	0.0	70.9	0.0	3282.0	0.0	NGONGOTAHA ROAD
3956 - 8591	17	3	1238	71.3	0.0	62.5	0.0	12.0	0.0	74.5	0.0	3356.5	0.0	NGONGOTAHA ROAD
8591 - 8601	19	0	1121	93.9	0.0	43.0	0.0	0.0	0.0	43.0	0.0	3399.5	0.0	SH 5
8601 - 8600	9	0	1392	88.6	0.0	56.6	0.0	0.0	0.0	56.6	0.0	3456.1	0.0	SH 5
8600 - 8811	10	0	115	99.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	3460.2	0.0	SH 5
8811 - 3949	8	0	737	78.9	0.0	33.6	0.0	0.0	0.0	33.6	0.0	3493.9	0.0	SH 5
3949 - 9106	8	0	1897	79.1	0.0	86.3	0.0	0.0	0.0	86.3	0.0	3580.2	0.0	SH 5
9106 - 8692	9	0	721	88.9	0.0	29.2	0.0	0.0	0.0	29.2	0.0	3609.4	0.0	SH 5
8692 - 10206	9	0	2628	88.8	0.0	106.5	0.0	0.0	0.0	106.5	0.0	3715.9	0.0	SH 5
10206 - 9110	9	0	5176	89.0	0.0	209.4	0.0	0.0	0.0	209.4	0.0	3925.3	0.0	SH 5
9110 - 9124	8	0	118	79.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	3930.7	0.0	SH 5
9124 - 8280	9	0	2759	88.9	0.0	111.7	0.0	0.0	0.0	111.7	0.0	4042.4	0.0	SH 5
8280 - 10207	9	0	11828	88.9	0.0	479.0	0.0	0.0	0.0	479.0	0.0	4521.4	0.0	SH 5
10207 - 8489	9	0	7684	88.9	0.0	311.2	0.0	0.0	0.0	311.2	0.0	4832.5	0.0	SH 5
8489 - 9648	10	0	32	99.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	4833.7	0.0	SH 5
9648 - 8490	10	0	2374	99.6	0.0	85.8	0.0	0.0	0.0	85.8	0.0	4919.5	0.0	SH 5
8490 - 9134	10	0	111	99.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	4923.5	0.0	SH 5
9134 - 8493	9	0	2208	89.3	0.0	89.0	0.0	0.0	0.0	89.0	0.0	5012.5	0.0	SH 5
8493 - 10193	9	0	2900	89.4	0.0	116.8	0.0	0.0	0.0	116.8	0.0	5129.3	0.0	SH 5
Modelled Totals	121909		85.6		5005.3		124.0		5129.3					
Observed Totals				0.0		5065.0		46.5		5111.5				

```
Observed Journey Time =  5111.48     Implied Average Speed =  85.9
Modelled Journey Time =  5129.29    Modelled Average Speed =  85.6
                         100.35%                             99.65%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 22 Movement Analysis - times in seconds

R9SB SH5
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 10193	8	0	53	79.8	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2.4	0.0	SH 5
10193 - 8493	9	0	2900	89.4	0.0	116.8	0.0	0.0	0.0	116.8	0.0	119.2	0.0	SH 5
8493 - 9134	9	0	2208	89.4	0.0	88.9	0.0	0.0	0.0	88.9	0.0	208.1	0.0	SH 5
9134 - 8490	10	0	111	99.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	212.1	0.0	SH 5
8490 - 9648	10	0	2374	99.6	0.0	85.8	0.0	0.0	0.0	85.8	0.0	297.9	0.0	SH 5
9648 - 8489	10	0	32	99.7	0.0	1.2	0.0	0.0	0.0	1.2	0.0	299.1	0.0	SH 5
8489 - 10207	9	0	7684	89.0	0.0	310.8	0.0	0.0	0.0	310.8	0.0	609.9	0.0	SH 5
10207 - 8280	9	0	11828	89.0	0.0	478.4	0.0	0.0	0.0	478.4	0.0	1088.3	0.0	SH 5
8280 - 9124	9	0	2759	89.0	0.0	111.6	0.0	0.0	0.0	111.6	0.0	1199.9	0.0	SH 5
9124 - 9110	8	0	118	79.4	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1205.3	0.0	SH 5
9110 - 10206	9	0	5176	89.1	0.0	209.1	0.0	0.0	0.0	209.1	0.0	1414.4	0.0	SH 5
10206 - 8692	9	0	2628	89.0	0.0	106.3	0.0	0.0	0.0	106.3	0.0	1520.7	0.0	SH 5
8692 - 9106	9	0	721	89.0	0.0	29.2	0.0	0.0	0.0	29.2	0.0	1549.9	0.0	SH 5
9106 - 3949	8	0	1897	79.3	0.0	86.1	0.0	0.0	0.0	86.1	0.0	1636.0	0.0	SH 5
3949 - 8811	8	0	737	79.1	0.0	33.5	0.0	0.0	0.0	33.5	0.0	1669.5	0.0	SH 5
8811 - 8600	10	0	115	99.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1673.7	0.0	SH 5
8600 - 8601	9	0	1392	88.8	0.0	56.4	0.0	0.0	0.0	56.4	0.0	1730.1	0.0	SH 5
8601 - 8591	19	3	1121	94.1	0.0	42.9	0.0	24.0	0.0	66.9	0.0	1797.0	0.0	SH 5
8591 - 3956	17	0	1238	71.9	0.0	62.0	0.0	0.0	0.0	62.0	0.0	1859.0	0.0	NGONGOTAHA ROAD
3956 - 8361	17	0	1404	71.8	0.0	70.4	0.0	0.0	0.0	70.4	0.0	1929.4	0.0	NGONGOTAHA ROAD
8361 - 4009	6	0	370	55.4	0.0	24.0	0.0	0.0	0.0	24.0	0.0	1953.4	0.0	NGONGOTAHA ROAD
4009 - 9087	6	0	225	55.1	0.0	14.7	0.0	0.0	0.0	14.7	0.0	1968.1	0.0	NGONGOTAHA ROAD
9087 - 9099	6	0	398	57.1	0.0	25.1	0.0	0.0	0.0	25.1	0.0	1993.2	0.0	SH 5
9099 - 4018	15	0	321	52.1	0.0	22.2	0.0	0.0	0.0	22.2	0.0	2015.4	0.0	FAIRY SPRINGS ROAD
4018 - 8257	15	0	248	52.0	0.0	17.2	0.0	0.0	0.0	17.2	0.0	2032.6	0.0	FAIRY SPRINGS ROAD
8257 - 9085	15	6	78	52.0	0.0	5.4	0.0	40.0	0.0	45.4	0.0	2078.0	0.0	FAIRY SPRINGS ROAD
9085 - 8259	15	0	35	52.9	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2080.4	0.0	SH 5
8259 - 9084	15	0	354	52.7	0.0	24.2	0.0	0.0	0.0	24.2	0.0	2104.5	0.0	SH 5
9084 - 9062	15	0	69	52.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	2109.2	0.0	SH 5
9062 - 9083	15	0	224	52.5	0.0	15.4	0.0	0.0	0.0	15.4	0.0	2124.6	0.0	SH 5
9083 - 9081	15	6	292	52.4	0.0	20.1	0.0	8.0	0.0	28.1	0.0	2152.7	0.0	SH 5
9081 - 9060	15	0	107	52.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	2160.1	0.0	SH 5
9060 - 8373	15	0	273	52.0	0.0	18.9	0.0	0.0	0.0	18.9	0.0	2179.0	0.0	Old Taupo Road
8373 - 8841	15	6	24	53.1	0.0	1.6	0.0	11.0	0.0	12.6	0.0	2191.6	0.0	Old Taupo Road
8841 - 9054	15	0	563	53.1	0.0	38.2	0.0	0.0	0.0	38.2	0.0	2229.8	0.0	SH 5
9054 - 8709	15	7	322	53.0	0.0	21.9	0.0	19.0	0.0	40.9	0.0	2270.6	0.0	
8709 - 9072	15	0	122	51.8	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2279.1	0.0	OLD TAUPO ROAD
9072 - 9102	15	0	387	52.7	0.0	26.4	0.0	0.0	0.0	26.4	0.0	2305.6	0.0	OLD TAUPO ROAD
9102 - 8596	5	3	511	47.4	0.0	38.8	0.0	12.0	0.0	50.8	0.0	2356.4	0.0	OLD TAUPO ROAD
8596 - 9039	5	0	328	48.1	0.0	24.5	0.0	0.0	0.0	24.5	0.0	2380.9	0.0	OLD TAUPO ROAD
9039 - 9093	15	0	460	53.9	0.0	30.7	0.0	0.0	0.0	30.7	0.0	2411.6	0.0	OLD TAUPO ROAD
9093 - 8594	15	4	745	53.5	0.0	50.1	0.0	15.0	0.0	65.1	0.0	2476.8	0.0	OLD TAUPO ROAD
8594 - 3990	7	0	405	67.9	0.0	21.5	0.0	0.0	0.0	21.5	0.0	2498.2	0.0	SH 5
3990 - 8383	7	0	550	68.0	0.0	29.1	0.0	0.0	0.0	29.1	0.0	2527.4	0.0	SH 5
8383 - 8804	9	0	73	88.0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2530.3	0.0	SH 5
8804 - 8783	9	0	207	88.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	2538.8	0.0	SH 5
8783 - 4039	9	0	551	88.6	0.0	22.4	0.0	0.0	0.0	22.4	0.0	2561.2	0.0	SH 5
4039 - 8592	9	0	6701	88.7	0.0	272.0	0.0	0.0	0.0	272.0	0.0	2833.1	0.0	SH 5
8592 - 8996	10	0	214	99.3	0.0	7.8	0.0	0.0	0.0	7.8	0.0	2840.9	0.0	SH 5
8996 - 8387	10	0	12504	99.5	0.0	452.4	0.0	0.0	0.0	452.4	0.0	3293.3	0.0	SH 5
8387 - 8741	9	0	158	89.1	0.0	6.4	0.0	0.0	0.0	6.4	0.0	3299.7	0.0	SH 5
8741 - 8386	9	0	220	89.1	0.0	8.9	0.0	0.0	0.0	8.9	0.0	3308.6	0.0	SH 5
8386 - 10726	9	0	2133	89.1	0.0	86.2	0.0	0.0	0.0	86.2	0.0	3394.7	0.0	SH 5
10726 - 8810	9	0	1094	89.1	0.0	44.2	0.0	0.0	0.0	44.2	0.0	3438.9	0.0	SH 5
8810 - 8989	19	0	5782	94.7	0.0	219.8	0.0	0.0	0.0	219.8	0.0	3658.7	0.0	SH 5
8989 - 8560	19	0	5378	95.0	0.0	203.8	0.0	0.0	0.0	203.8	0.0	3862.5	0.0	SH 5
8560 - 8277	19	0	1656	94.9	0.0	62.8	0.0	0.0	0.0	62.8	0.0	3925.4	0.0	SH 5
8277 - 8798	19	0	5493	94.9	0.0	208.4	0.0	0.0	0.0	208.4	0.0	4133.7	0.0	SH 5
8798 - 8557	19	0	3358	94.9	0.0	127.4	0.0	0.0	0.0	127.4	0.0	4261.1	0.0	SH 5
8557 - 4223	19	0	9889	94.9	0.0	375.1	0.0	0.0	0.0	375.1	0.0	4636.3	0.0	SH 5
4223 - 8556	19	0	4163	94.8	0.0	158.1	0.0	0.0	0.0	158.1	0.0	4794.4	0.0	SH 5
8556 - 8554	19	0	3984	94.8	0.0	151.3	0.0	0.0	0.0	151.3	0.0	4945.6	0.0	SH 5
8554 - 8553	9	0	2279	89.3	0.0	91.9	0.0	0.0	0.0	91.9	0.0	5037.5	0.0	SH 5
8553 - 8552	9	0	1169	89.2	0.0	47.2	0.0	0.0	0.0	47.2	0.0	5084.7	0.0	SH 5

```
Modelled Totals   120913  85.6       4955.7        129.0         5084.7
Observed Totals                0.0        5106.7          54.5        5161.2

Observed Journey Time =  5161.21     Implied Average Speed =  84.3
Modelled Journey Time =  5084.70    Modelled Average Speed =  85.6
                         98.52%                             101.50%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 23 Movement Analysis - times in seconds

R10aNB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9584 -  3227   10 0  5601  99.6   0.0  202.4    0.0   0.0     0.0  202.4    0.0   202.4     0.0    SH 27
 3227 -  9737   10 0  8739  99.7   0.0  315.6    0.0   1.0     0.0  316.6    0.0   519.0     0.0    SH 27
 9737 -  8449   10 0  2856  99.7   0.0  103.1    0.0   0.0     0.0  103.1    0.0   622.1     0.0    SH 27
 8449 -  9777   10 0  4754  99.8   0.0  171.5    0.0   0.0     0.0  171.5    0.0   793.6     0.0    SH 27
 9777 -  8308   10 0  6168  99.7   0.0  222.7    0.0   0.0     0.0  222.7    0.0  1016.3     0.0    SH 27
 8308 -  9964    9 0  6350  89.2   0.0  256.3    0.0   0.0     0.0  256.3    0.0  1272.6     0.0    SH 27
 9964 -  9562    9 0 10549  89.2   0.0  425.7    0.0   0.0     0.0  425.7    0.0  1698.3     0.0    SH 27

Modelled Totals    45017  95.4       1697.3          1.0         1698.3
Observed Totals                  0.0        1730.7          0.0        1730.7

Observed Journey Time =  1730.67     Implied Average Speed =  93.6
Modelled Journey Time =  1698.35    Modelled Average Speed =  95.4
                         98.13%                            101.90%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 24 Movement Analysis - times in seconds

R10aSB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9562 -  9964    9 0 10549  89.2   0.0  425.7    0.0   0.0     0.0  425.7    0.0   425.7     0.0    SH 27
 9964 -  8308    9 0  6350  89.2   0.0  256.3    0.0   0.0     0.0  256.3    0.0   682.0     0.0    SH 27
 8308 -  9777   10 0  6168  99.7   0.0  222.7    0.0   0.0     0.0  222.7    0.0   904.7     0.0    SH 27
 9777 -  8449   10 0  4754  99.8   0.0  171.5    0.0   0.0     0.0  171.5    0.0  1076.2     0.0    SH 27
 8449 -  9737   10 0  2856  99.7   0.0  103.1    0.0   1.0     0.0  104.1    0.0  1180.4     0.0    SH 27
 9737 -  3227   10 0  8739  99.7   0.0  315.6    0.0   0.0     0.0  315.6    0.0  1495.9     0.0    SH 27
 3227 -  9584   10 0  5601  99.6   0.0  202.4    0.0   2.2     0.0  204.6    0.0  1700.5     0.0    SH 27

Modelled Totals    45017  95.3       1697.3          3.2         1700.5
Observed Totals                 0.0        1740.0          0.0        1740.0

Observed Journey Time =  1740.00     Implied Average Speed =  93.1
Modelled Journey Time =  1700.55    Modelled Average Speed =  95.3
                         97.73%                            102.32%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 25 Movement Analysis - times in seconds

R10bNB SH27
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10196 - 9837	6	0	529	58.9	0.0	32.3	0.0	0.0	0.0	32.3	0.0	32.3	0.0	SH 27
9837 - 10145	9	0	2880	89.0	0.0	116.5	0.0	0.0	0.0	116.5	0.0	148.8	0.0	SH 27
10145 - 9573	9	0	337	89.0	0.0	13.6	0.0	0.0	0.0	13.6	0.0	162.5	0.0	SH 27
9573 - 9842	9	4	6299	89.0	0.0	254.8	0.0	8.0	0.0	262.8	0.0	425.2	0.0	SH 27
9842 - 8480	9	0	22	88.8	0.0	0.9	0.0	14.0	0.0	14.9	0.0	440.1	0.0	SH 29
8480 - 8479	9	0	17	89.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	440.8	0.0	SH 27
8479 - 9597	9	0	6734	89.0	0.0	272.4	0.0	0.0	0.0	272.4	0.0	713.2	0.0	SH 27
9597 - 8471	8	0	912	79.3	0.0	41.4	0.0	0.0	0.0	41.4	0.0	754.6	0.0	SH 27
8471 - 8473	5	0	5	48.4	0.0	0.4	0.0	0.0	0.0	0.4	0.0	755.0	0.0	SH 27
8473 - 9848	5	0	44	48.5	0.0	3.3	0.0	0.0	0.0	3.3	0.0	758.3	0.0	SH 27
9848 - 10168	5	0	509	48.4	0.0	37.9	0.0	0.0	0.0	37.9	0.0	796.1	0.0	SH 27
10168 - 10157	5	0	712	48.2	0.0	53.2	0.0	0.0	0.0	53.2	0.0	849.3	0.0	SH 27
10157 - 3430	5	0	278	47.8	0.0	20.9	0.0	0.0	0.0	20.9	0.0	870.2	0.0	SH 27
3430 - 10159	5	3	410	47.1	0.0	31.3	0.0	11.0	0.0	42.3	0.0	912.6	0.0	SH 27
10159 - 3434	18	0	573	82.7	0.0	24.9	0.0	0.0	0.0	24.9	0.0	937.5	0.0	WAHAROA ROAD WEST
3434 - 10154	18	0	2220	83.1	0.0	96.2	0.0	0.0	0.0	96.2	0.0	1033.7	0.0	WAHAROA ROAD WEST
10154 - 9601	18	0	2279	83.2	0.0	98.6	0.0	0.0	0.0	98.6	0.0	1132.3	0.0	
9601 - 10160	15	0	451	53.4	0.0	30.4	0.0	0.0	0.0	30.4	0.0	1162.7	0.0	SEDDON STREET
10160 - 9850	17	0	1774	73.8	0.0	86.5	0.0	0.0	0.0	86.5	0.0	1249.2	0.0	SH 27
9850 - 9592	10	0	4233	99.4	0.0	153.3	0.0	0.0	0.0	153.3	0.0	1402.5	0.0	SH 27
9592 - 8458	10	0	3695	99.3	0.0	134.0	0.0	0.0	0.0	134.0	0.0	1536.5	0.0	SH 27
8458 - 9591	19	0	2647	94.2	0.0	101.2	0.0	0.0	0.0	101.2	0.0	1637.7	0.0	SH 27
9591 - 9690	10	0	21	99.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1638.4	0.0	SH 27
9690 - 9582	19	0	2663	94.6	0.0	101.3	0.0	0.0	0.0	101.3	0.0	1739.8	0.0	SH 27
9582 - 9553	19	0	700	94.6	0.0	26.6	0.0	0.0	0.0	26.6	0.0	1766.4	0.0	SH 27
9553 - 3261	19	0	2936	94.7	0.0	111.6	0.0	0.0	0.0	111.6	0.0	1878.0	0.0	SH 27
3261 - 9585	19	0	3549	94.6	0.0	135.1	0.0	0.0	0.0	135.1	0.0	2013.1	0.0	SH 27
9585 - 9584	10	0	48	99.0	0.0	1.7	0.0	5.4	0.0	7.1	0.0	2020.2	0.0	
Modelled Totals	47477			84.6		1981.8		38.4		2020.2				
Observed Totals					0.0		2059.3		19.5		2078.9			

```
Observed Journey Time =  2078.88     Implied Average Speed =  82.2
Modelled Journey Time =  2020.22    Modelled Average Speed =  84.6
                         97.18%                              102.90%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 26 Movement Analysis - times in seconds

R10bSB SH27
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9584 - 9585	10 0	48	99.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1.7	0.0	
9585 - 3261	19 0	3549	94.7	0.0	134.9	0.0	0.0	0.0	134.9	0.0	136.7	0.0	SH 27
3261 - 9553	19 0	2936	94.7	0.0	111.6	0.0	0.0	0.0	111.6	0.0	248.3	0.0	SH 27
9553 - 9582	19 0	700	94.7	0.0	26.6	0.0	0.0	0.0	26.6	0.0	274.9	0.0	SH 27
9582 - 9690	19 0	2663	94.7	0.0	101.2	0.0	0.0	0.0	101.2	0.0	376.1	0.0	SH 27
9690 - 9591	10 0	21	99.4	0.0	0.8	0.0	0.0	0.0	0.8	0.0	376.9	0.0	SH 27
9591 - 8458	19 0	2647	94.3	0.0	101.1	0.0	0.0	0.0	101.1	0.0	477.9	0.0	SH 27
8458 - 9592	10 0	3695	99.4	0.0	133.8	0.0	0.0	0.0	133.8	0.0	611.8	0.0	SH 27
9592 - 9850	10 0	4233	99.4	0.0	153.3	0.0	0.0	0.0	153.3	0.0	765.1	0.0	SH 27
9850 - 10160	17 0	1774	73.9	0.0	86.4	0.0	0.0	0.0	86.4	0.0	851.5	0.0	SH 27
10160 - 9601	15 0	451	53.6	0.0	30.3	0.0	0.0	0.0	30.3	0.0	881.8	0.0	SEDDON STREET
9601 - 10154	18 0	2279	83.4	0.0	98.4	0.0	0.0	0.0	98.4	0.0	980.1	0.0	
10154 - 3434	18 0	2220	83.3	0.0	95.9	0.0	0.0	0.0	95.9	0.0	1076.1	0.0	WAHAROA ROAD WEST
3434 - 10159	18 3	573	82.8	0.0	24.9	0.0	16.0	0.0	40.9	0.0	1117.0	0.0	WAHAROA ROAD WEST
10159 - 3430	5 0	410	47.2	0.0	31.3	0.0	0.0	0.0	31.3	0.0	1148.3	0.0	SH 27
3430 - 10157	5 0	278	47.8	0.0	20.9	0.0	0.0	0.0	20.9	0.0	1169.2	0.0	SH 27
10157 - 10168	5 0	712	48.2	0.0	53.2	0.0	0.0	0.0	53.2	0.0	1222.4	0.0	SH 27
10168 - 9848	5 0	509	48.4	0.0	37.9	0.0	0.0	0.0	37.9	0.0	1260.2	0.0	SH 27
9848 - 8473	5 0	44	48.6	0.0	3.3	0.0	2.0	0.0	5.3	0.0	1265.5	0.0	SH 27
8473 - 8471	5 0	5	49.3	0.0	0.4	0.0	0.0	0.0	0.4	0.0	1265.9	0.0	SH 27
8471 - 9597	8 0	912	79.4	0.0	41.4	0.0	0.0	0.0	41.4	0.0	1307.2	0.0	SH 27
9597 - 8479	9 0	6734	89.1	0.0	272.1	0.0	0.0	0.0	272.1	0.0	1579.3	0.0	SH 27
8479 - 8480	9 4	17	89.1	0.0	0.7	0.0	14.0	0.0	14.7	0.0	1594.0	0.0	SH 27
8480 - 9842	9 0	22	88.9	0.0	0.9	0.0	9.0	0.0	9.9	0.0	1603.9	0.0	SH 29
9842 - 9573	9 0	6299	89.0	0.0	254.8	0.0	0.0	0.0	254.8	0.0	1858.7	0.0	SH 27
9573 - 10145	9 0	337	89.0	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1872.3	0.0	SH 27
10145 - 9837	9 0	2880	89.0	0.0	116.5	0.0	0.0	0.0	116.5	0.0	1988.8	0.0	SH 27
9837 - 10196	6 0	529	59.0	0.0	32.3	0.0	0.2	0.0	32.5	0.0	2021.3	0.0	SH 27
Modelled Totals		47477	84.6		1980.1		41.2		2021.3				
Observed Totals				0.0		2127.0		12.4		2139.4			

```
Observed Journey Time =  2139.43     Implied Average Speed =  79.9
Modelled Journey Time =  2021.27    Modelled Average Speed =  84.6
                          94.48%                             105.85%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 27 Movement Analysis - times in seconds

R11aNB SH3
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10120 - 10239	4 0	276	38.0	0.0	26.1	0.0	0.0	0.0	26.1	0.0	26.1	0.0	MANIAPOTO STREET
10239 - 10127	4 0	302	38.2	0.0	28.5	0.0	0.0	0.0	28.5	0.0	54.6	0.0	MANIAPOTO STREET
10127 - 10126	6 0	268	58.7	0.0	16.4	0.0	0.0	0.0	16.4	0.0	71.0	0.0	MAIN NORTH ROAD
10126 - 10240	6 0	657	58.7	0.0	40.3	0.0	0.0	0.0	40.3	0.0	111.3	0.0	MAIN NORTH ROAD
10240 - 10121	17 0	2403	74.2	0.0	116.6	0.0	0.0	0.0	116.6	0.0	227.9	0.0	MAIN NORTH ROAD
10121 - 10241	19 0	7195	94.5	0.0	274.1	0.0	0.0	0.0	274.1	0.0	502.0	0.0	OTOROHANGA ROAD
10241 - 9939	10 0	6166	99.4	0.0	223.3	0.0	0.0	0.0	223.3	0.0	725.3	0.0	OTOROHANGA ROAD
9939 - 9521	10 0	358	99.4	0.0	13.0	0.0	1.0	0.0	14.0	0.0	739.3	0.0	OTOROHANGA ROAD
9521 - 10776	10 0	1611	99.2	0.0	58.5	0.0	0.0	0.0	58.5	0.0	797.8	0.0	SH 3
10776 - 10244	10 0	1083	99.2	0.0	39.3	0.0	0.0	0.0	39.3	0.0	837.1	0.0	SH 3
10244 - 2628	10 0	3028	99.2	0.0	109.9	0.0	0.0	0.0	109.9	0.0	947.0	0.0	SH 3
2628 - 6031	9 0	1279	88.5	0.0	52.0	0.0	0.0	0.0	52.0	0.0	999.0	0.0	OTOROHANGA ROAD
6031 - 5976	5 0	222	48.1	0.0	16.6	0.0	0.0	0.0	16.6	0.0	1015.6	0.0	SH 3
5976 - 6382	5 0	192	48.1	0.0	14.4	0.0	0.0	0.0	14.4	0.0	1030.0	0.0	SH 3
6382 - 6155	5 0	10	48.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1030.7	0.0	
6155 - 6293	4 0	112	38.5	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1041.2	0.0	SH 3
6293 - 6292	4 0	120	37.9	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1052.6	0.0	SH 3
6292 - 10246	4 0	72	37.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1059.4	0.0	SH 3
10246 - 6294	4 0	57	37.9	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1064.8	0.0	SH 3
6294 - 4434	15 0	123	53.1	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1073.2	0.0	
4434 - 4433	4 0	13	37.9	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1074.4	0.0	
4433 - 6037	5 0	192	47.4	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1089.0	0.0	SH 3
6037 - 4871	5 0	81	47.1	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1095.2	0.0	SH 3
4871 - 6203	6 0	294	57.5	0.0	18.4	0.0	0.0	0.0	18.4	0.0	1113.6	0.0	SH 3
6203 - 2732	7 0	958	67.9	0.0	50.8	0.0	0.0	0.0	50.8	0.0	1164.4	0.0	SH 3
2732 - 4872	7 0	653	67.7	0.0	34.7	0.0	0.0	0.0	34.7	0.0	1199.1	0.0	SH 3
4872 - 6405	6 0	302	57.3	0.0	19.0	0.0	0.0	0.0	19.0	0.0	1218.1	0.0	SH 3
6405 - 10264	15 0	89	52.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1224.1	0.0	SH 3
10264 - 6406	5 0	234	47.3	0.0	17.8	0.0	0.0	0.0	17.8	0.0	1242.0	0.0	SH 3
6406 - 6213	5 0	215	47.4	0.0	16.3	0.0	0.0	0.0	16.3	0.0	1258.3	0.0	SH 3
6213 - 10252	5 0	50	47.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1262.1	0.0	SH 3
10252 - 6083	5 0	64	47.4	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1266.9	0.0	SH 3
6083 - 5967	5 0	20	46.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1268.5	0.0	
5967 - 5966	5 0	123	47.0	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1277.9	0.0	SH 3
5966 - 5968	5 0	59	46.6	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1282.5	0.0	SH 3
5968 - 5969	5 0	83	46.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1288.9	0.0	SH 3
5969 - 4548	5 3	7	46.6	0.0	0.5	0.0	12.0	0.0	12.5	0.0	1301.4	0.0	
4548 - 4541	6 0	284	58.2	0.0	17.6	0.0	0.0	0.0	17.6	0.0	1319.0	0.0	
4541 - 4509	6 0	123	58.2	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1326.6	0.0	GEORGE STREET
4509 - 10257	6 0	95	58.3	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1332.5	0.0	SH 3
10257 - 4510	6 0	67	58.3	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1336.6	0.0	SH 3
4510 - 2824	6 3	294	58.3	0.0	18.2	0.0	12.0	0.0	30.2	0.0	1366.7	0.0	SH 3
2824 - 3916	6 0	55	57.7	0.0	3.4	0.0	0.0	0.0	3.4	0.0	1370.2	0.0	OHAUPO ROAD
3916 - 5829	6 0	216	58.1	0.0	13.4	0.0	0.0	0.0	13.4	0.0	1383.6	0.0	SH 3
5829 - 3941	6 0	51	58.1	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1386.7	0.0	SH 3
3941 - 2592	6 0	90	58.1	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1392.3	0.0	OHAUPO ROAD
2592 - 2593	6 0	43	58.1	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1395.0	0.0	OHAUPO ROAD
2593 - 5433	6 0	47	58.1	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1397.9	0.0	
5433 - 5434	6 0	134	57.6	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1406.3	0.0	OHAUPO ROAD
5434 - 10255	6 0	227	57.7	0.0	14.2	0.0	0.0	0.0	14.2	0.0	1420.4	0.0	SH 3
10255 - 5435	16 0	217	63.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1432.8	0.0	SH 3
5435 - 4860	7 0	582	68.0	0.0	30.8	0.0	0.0	0.0	30.8	0.0	1463.6	0.0	SH 3
4860 - 5844	19 0	1007	93.5	0.0	38.8	0.0	0.0	0.0	38.8	0.0	1502.3	0.0	OHAUPO ROAD
5844 - 6129	19 0	870	93.5	0.0	33.5	0.0	1.0	0.0	34.5	0.0	1536.8	0.0	SH 3
6129 - 6351	19 0	356	93.4	0.0	13.7	0.0	0.0	0.0	13.7	0.0	1550.6	0.0	SH 3
6351 - 5933	19 0	178	94.3	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1557.4	0.0	SH 3
5933 - 6239	19 0	262	94.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1567.4	0.0	SH 3
6239 - 10306	19 0	257	94.3	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1577.2	0.0	SH 3
10306 - 6352	19 0	1764	94.3	0.0	67.3	0.0	0.0	0.0	67.3	0.0	1644.5	0.0	SH 3
6352 - 4888	19 0	919	94.3	0.0	35.1	0.0	0.0	0.0	35.1	0.0	1679.6	0.0	SH 3
4888 - 4437	19 0	1126	94.3	0.0	43.0	0.0	0.0	0.0	43.0	0.0	1722.6	0.0	OHAUPO ROAD
4437 - 6355	9 0	1002	88.8	0.0	40.6	0.0	2.0	0.0	42.6	0.0	1765.2	0.0	SH 3
6355 - 4814	9 0	384	88.1	0.0	15.7	0.0	0.0	0.0	15.7	0.0	1780.9	0.0	SH 3
4814 - 4837	8 0	568	78.0	0.0	26.2	0.0	0.0	0.0	26.2	0.0	1807.1	0.0	SH 3
4837 - 6069	7 0	398	68.0	0.0	21.1	0.0	0.0	0.0	21.1	0.0	1828.2	0.0	SH 3
6069 - 6070	15 0	104	52.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1835.3	0.0	SH 3
6070 - 10315	15 0	113	52.7	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1843.0	0.0	SH 3
10315 - 2745	15 0	198	52.7	0.0	13.5	0.0	0.0	0.0	13.5	0.0	1856.5	0.0	SH 3
2745 - 4554	7 0	1414	67.8	0.0	75.1	0.0	0.0	0.0	75.1	0.0	1931.6	0.0	SH 3
4554 - 4553	7 0	553	67.7	0.0	29.4	0.0	0.0	0.0	29.4	0.0	1961.0	0.0	SH 3
4553 - 4861	8 0	45	78.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1963.1	0.0	
4861 - 10684	9 0	1282	88.7	0.0	52.0	0.0	0.0	0.0	52.0	0.0	2015.1	0.0	OHAUPO ROAD
10684 - 2621	9 0	817	88.7	0.0	33.2	0.0	0.0	0.0	33.2	0.0	2048.3	0.0	OHAUPO ROAD
2621 - 6356	9 0	617	87.9	0.0	25.3	0.0	0.0	0.0	25.3	0.0	2073.5	0.0	
6356 - 6357	9 0	91	87.9	0.0	3.7	0.0	0.0	0.0	3.7	0.0	2077.3	0.0	SH 3
6357 - 6358	9 0	81	88.1	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2080.6	0.0	SH 3
6358 - 6359	9 0	625	88.1	0.0	25.5	0.0	0.0	0.0	25.5	0.0	2106.1	0.0	SH 3
6359 - 6360	9 0	451	88.1	0.0	18.4	0.0	0.0	0.0	18.4	0.0	2124.5	0.0	SH 3
6360 - 6337	9 0	291	88.1	0.0	11.9	0.0	0.0	0.0	11.9	0.0	2136.4	0.0	SH 3
6337 - 5867	9 0	1164	88.0	0.0	47.6	0.0	0.0	0.0	47.6	0.0	2184.0	0.0	SH 3
5867 - 2923	9 0	1132	88.0	0.0	46.3	0.0	0.0	0.0	46.3	0.0	2230.3	0.0	SH 3
2923 - 2922	9 0	474	87.8	0.0	19.4	0.0	0.0	0.0	19.4	0.0	2249.8	0.0	OHAUPO ROAD
2922 - 2581	9 0	246	87.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	2259.9	0.0	SH 3
2581 - 2631	9 0	690	87.6	0.0	28.4	0.0	0.0	0.0	28.4	0.0	2288.2	0.0	SH 3
2631 - 2917	9 0	636	87.6	0.0	26.1	0.0	0.0	0.0	26.1	0.0	2314.4	0.0	SH 3
2917 - 3157	9 0	1045	87.6	0.0	42.9	0.0	0.0	0.0	42.9	0.0	2357.3	0.0	SH 3
Modelled Totals		52656	80.4		2329.3		28.0		2357.3				
Observed Totals				0.0		2409.0		5.8		2414.8			

```
Observed Journey Time =  2414.83     Implied Average Speed =  78.5
Modelled Journey Time =  2357.31    Modelled Average Speed =  80.4
                          97.62%                             102.44%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 28 Movement Analysis - times in seconds

R11aSB SH3
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4923 - 3157	7	0	101	67.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	5.4	0.0	SH 3
3157 - 2917	9	0	1045	87.5	0.0	43.0	0.0	0.0	0.0	43.0	0.0	48.4	0.0	SH 3
2917 - 2631	9	0	636	87.5	0.0	26.2	0.0	0.0	0.0	26.2	0.0	74.6	0.0	SH 3
2631 - 2581	9	0	690	87.5	0.0	28.4	0.0	0.0	0.0	28.4	0.0	103.0	0.0	SH 3
2581 - 2922	9	0	246	87.7	0.0	10.1	0.0	0.0	0.0	10.1	0.0	113.1	0.0	SH 3
2922 - 2923	9	0	474	87.7	0.0	19.5	0.0	0.0	0.0	19.5	0.0	132.5	0.0	OHAUPO ROAD
2923 - 5867	9	0	1132	88.0	0.0	46.3	0.0	0.0	0.0	46.3	0.0	178.8	0.0	SH 3
5867 - 6337	9	0	1164	88.0	0.0	47.6	0.0	1.0	0.0	48.6	0.0	227.4	0.0	SH 3
6337 - 6360	9	0	291	88.0	0.0	11.9	0.0	0.0	0.0	11.9	0.0	239.3	0.0	SH 3
6360 - 6359	9	0	451	88.0	0.0	18.5	0.0	0.0	0.0	18.5	0.0	257.8	0.0	SH 3
6359 - 6358	9	0	625	88.0	0.0	25.6	0.0	0.0	0.0	25.6	0.0	283.4	0.0	SH 3
6358 - 6357	9	0	81	88.0	0.0	3.3	0.0	0.0	0.0	3.3	0.0	286.7	0.0	SH 3
6357 - 6356	9	0	91	87.8	0.0	3.7	0.0	0.0	0.0	3.7	0.0	290.4	0.0	SH 3
6356 - 2621	9	0	617	87.8	0.0	25.3	0.0	0.0	0.0	25.3	0.0	315.7	0.0	
2621 - 10684	9	0	817	88.7	0.0	33.2	0.0	0.0	0.0	33.2	0.0	348.9	0.0	OHAUPO ROAD
10684 - 4861	9	0	1282	88.7	0.0	52.0	0.0	0.0	0.0	52.0	0.0	400.9	0.0	OHAUPO ROAD
4861 - 4553	8	0	45	78.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	402.9	0.0	
4553 - 4554	7	0	553	67.7	0.0	29.4	0.0	0.0	0.0	29.4	0.0	432.4	0.0	SH 3
4554 - 2745	7	0	1414	67.7	0.0	75.2	0.0	0.0	0.0	75.2	0.0	507.5	0.0	SH 3
2745 - 10315	15	0	198	52.6	0.0	13.6	0.0	0.0	0.0	13.6	0.0	521.1	0.0	SH 3
10315 - 6070	15	0	113	52.6	0.0	7.7	0.0	0.0	0.0	7.7	0.0	528.8	0.0	SH 3
6070 - 6069	15	0	104	52.6	0.0	7.1	0.0	0.0	0.0	7.1	0.0	535.9	0.0	SH 3
6069 - 4837	7	0	398	67.9	0.0	21.1	0.0	0.0	0.0	21.1	0.0	557.0	0.0	SH 3
4837 - 4814	8	0	568	78.0	0.0	26.2	0.0	0.0	0.0	26.2	0.0	583.3	0.0	SH 3
4814 - 6355	9	0	384	88.1	0.0	15.7	0.0	0.0	0.0	15.7	0.0	599.0	0.0	SH 3
6355 - 4437	9	0	1002	88.8	0.0	40.6	0.0	0.0	0.0	40.6	0.0	639.6	0.0	SH 3
4437 - 4888	19	0	1126	94.3	0.0	43.0	0.0	0.0	0.0	43.0	0.0	682.6	0.0	OHAUPO ROAD
4888 - 6352	19	0	919	94.3	0.0	35.1	0.0	0.0	0.0	35.1	0.0	717.6	0.0	SH 3
6352 - 10306	19	0	1764	94.3	0.0	67.3	0.0	0.0	0.0	67.3	0.0	785.0	0.0	SH 3
10306 - 6239	19	0	257	94.3	0.0	9.8	0.0	0.0	0.0	9.8	0.0	794.8	0.0	SH 3
6239 - 5933	19	0	262	94.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	804.8	0.0	SH 3
5933 - 6351	19	0	178	94.3	0.0	6.8	0.0	2.0	0.0	8.8	0.0	813.6	0.0	SH 3
6351 - 6129	19	0	356	93.4	0.0	13.7	0.0	1.0	0.0	14.7	0.0	828.3	0.0	SH 3
6129 - 5844	19	0	870	93.5	0.0	33.5	0.0	0.0	0.0	33.5	0.0	861.8	0.0	SH 3
5844 - 4860	19	0	1007	93.5	0.0	38.8	0.0	0.0	0.0	38.8	0.0	900.6	0.0	OHAUPO ROAD
4860 - 5435	7	0	582	68.0	0.0	30.8	0.0	0.0	0.0	30.8	0.0	931.4	0.0	SH 3
5435 - 10255	16	0	217	63.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	943.7	0.0	SH 3
10255 - 5434	6	0	227	57.7	0.0	14.2	0.0	0.0	0.0	14.2	0.0	957.9	0.0	SH 3
5434 - 5433	6	0	134	57.7	0.0	8.4	0.0	0.0	0.0	8.4	0.0	966.3	0.0	OHAUPO ROAD
5433 - 2593	6	0	47	58.2	0.0	2.9	0.0	0.0	0.0	2.9	0.0	969.2	0.0	
2593 - 2592	6	0	43	58.2	0.0	2.7	0.0	0.0	0.0	2.7	0.0	971.8	0.0	OHAUPO ROAD
2592 - 3941	6	0	90	58.2	0.0	5.6	0.0	0.0	0.0	5.6	0.0	977.4	0.0	OHAUPO ROAD
3941 - 5829	6	0	51	58.2	0.0	3.2	0.0	0.0	0.0	3.2	0.0	980.6	0.0	SH 3
5829 - 3916	6	0	216	58.2	0.0	13.4	0.0	0.0	0.0	13.4	0.0	993.9	0.0	SH 3
3916 - 2824	6	3	55	57.7	0.0	3.4	0.0	12.0	0.0	15.4	0.0	1009.3	0.0	OHAUPO ROAD
2824 - 4510	6	0	294	58.2	0.0	18.2	0.0	0.0	0.0	18.2	0.0	1027.5	0.0	SH 3
4510 - 10257	6	0	67	58.2	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1031.7	0.0	SH 3
10257 - 4509	6	0	95	58.2	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1037.6	0.0	SH 3
4509 - 4541	6	0	123	58.0	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1045.2	0.0	GEORGE STREET
4541 - 4548	6	3	284	58.1	0.0	17.6	0.0	10.0	0.0	27.6	0.0	1072.8	0.0	
4548 - 5969	5	0	7	46.4	0.0	0.5	0.0	0.0	0.0	0.5	0.0	1073.3	0.0	
5969 - 5968	5	0	83	46.4	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1079.8	0.0	SH 3
5968 - 5966	5	0	59	46.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1084.3	0.0	SH 3
5966 - 5967	5	0	123	46.8	0.0	9.5	0.0	0.0	0.0	9.5	0.0	1093.8	0.0	SH 3
5967 - 6083	5	0	20	46.7	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1095.3	0.0	
6083 - 10252	5	0	64	47.3	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1100.2	0.0	SH 3
10252 - 6213	5	0	50	47.3	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1104.0	0.0	SH 3
6213 - 6406	5	0	215	47.2	0.0	16.4	0.0	0.0	0.0	16.4	0.0	1120.4	0.0	SH 3
6406 - 10264	5	0	234	47.1	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1138.3	0.0	SH 3
10264 - 6405	15	0	89	52.6	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1144.4	0.0	SH 3
6405 - 4872	6	0	302	57.1	0.0	19.0	0.0	0.0	0.0	19.0	0.0	1163.4	0.0	SH 3
4872 - 2732	7	0	653	67.6	0.0	34.8	0.0	2.0	0.0	36.8	0.0	1200.2	0.0	SH 3
2732 - 6203	7	0	958	67.8	0.0	50.9	0.0	0.0	0.0	50.9	0.0	1251.1	0.0	SH 3
6203 - 4871	6	0	294	57.3	0.0	18.5	0.0	0.0	0.0	18.5	0.0	1269.6	0.0	SH 3
4871 - 6037	5	0	81	46.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1275.8	0.0	SH 3
6037 - 4433	5	0	192	47.2	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1290.4	0.0	SH 3
4433 - 4434	4	0	13	37.7	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1291.7	0.0	
4434 - 6294	15	0	123	53.0	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1300.0	0.0	
6294 - 10246	4	0	57	37.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1305.5	0.0	SH 3
10246 - 6292	4	0	72	37.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1312.3	0.0	SH 3
6292 - 6293	4	0	120	37.7	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1323.8	0.0	SH 3
6293 - 6155	4	0	112	38.4	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1334.3	0.0	SH 3
6155 - 6382	5	0	10	48.2	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1335.0	0.0	
6382 - 5976	5	0	192	48.0	0.0	14.4	0.0	0.0	0.0	14.4	0.0	1349.4	0.0	SH 3
5976 - 6031	5	0	222	48.0	0.0	16.7	0.0	0.0	0.0	16.7	0.0	1366.1	0.0	SH 3
6031 - 2628	9	0	1279	88.4	0.0	52.1	0.0	0.0	0.0	52.1	0.0	1418.2	0.0	OTOROHANGA ROAD
2628 - 10244	10	0	3028	99.1	0.0	110.0	0.0	0.0	0.0	110.0	0.0	1528.2	0.0	SH 3
10244 - 10776	10	0	1083	99.2	0.0	39.3	0.0	0.0	0.0	39.3	0.0	1567.5	0.0	SH 3
10776 - 9521	10	0	1611	99.2	0.0	58.5	0.0	2.0	0.0	60.5	0.0	1627.9	0.0	SH 3
9521 - 9939	10	0	358	99.4	0.0	13.0	0.0	0.0	0.0	13.0	0.0	1640.9	0.0	OTOROHANGA ROAD
9939 - 10241	10	0	6166	99.4	0.0	223.3	0.0	0.0	0.0	223.3	0.0	1864.2	0.0	OTOROHANGA ROAD
10241 - 10121	19	0	7195	94.5	0.0	274.1	0.0	0.0	0.0	274.1	0.0	2138.3	0.0	OTOROHANGA ROAD
10121 - 10240	17	0	2403	74.2	0.0	116.6	0.0	0.0	0.0	116.6	0.0	2254.9	0.0	MAIN NORTH ROAD
10240 - 10126	6	0	657	58.7	0.0	40.3	0.0	0.0	0.0	40.3	0.0	2295.2	0.0	MAIN NORTH ROAD
10126 - 10127	6	0	268	58.7	0.0	16.4	0.0	0.0	0.0	16.4	0.0	2311.6	0.0	MAIN NORTH ROAD
10127 - 10239	4	0	302	38.2	0.0	28.5	0.0	0.0	0.0	28.5	0.0	2340.1	0.0	MANIAPOTO STREET
10239 - 10120	4	0	276	37.9	0.0	26.2	0.0	2.3	0.0	28.5	0.0	2368.6	0.0	MANIAPOTO STREET
Modelled Totals	52757		80.2		2336.3		32.3			2368.6				

```
Observed Totals                 0.0        2360.7          11.3        2372.0

Observed Journey Time =  2371.98     Implied Average Speed =  80.1
Modelled Journey Time =  2368.60    Modelled Average Speed =  80.2
                          99.86%                            100.14%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 29 Movement Analysis - times in seconds

R11bNB SH39

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
10120 -  3575   15 0   672  53.9   0.0   44.9    0.0   0.0     0.0   44.9    0.0    44.9     0.0    SH 31
 3575 - 10128   15 0   776  54.3   0.0   51.4    0.0   0.0     0.0   51.4    0.0    96.3     0.0    SH 31
10128 -  8269   10 0  6024  99.6   0.0  217.7    0.0   0.0     0.0  217.7    0.0   314.1     0.0    SH 31
 8269 -  9935   10 0  4169  99.6   0.0  150.7    0.0   0.0     0.0  150.7    0.0   464.8     0.0    SH 31
 9935 -  9937    9 0  1900  89.0   0.0   76.9    0.0   0.0     0.0   76.9    0.0   541.6     0.0    SH 31
 9937 -  9936   10 0    70  99.7   0.0    2.5    0.0   0.0     0.0    2.5    0.0   544.1     0.0    SYMES ROAD
 9936 -  8270    9 0  8797  89.1   0.0  355.4    0.0   0.0     0.0  355.4    0.0   899.6     0.0    SH 39
 8270 - 10732    9 0  3044  89.1   0.0  123.0    0.0   0.0     0.0  123.0    0.0  1022.6     0.0    SH 39
10732 -  4428   15 0  1696  54.4   0.0  112.2    0.0   0.0     0.0  112.2    0.0  1134.8     0.0    SH 39
 4428 -  6500   15 0   425  54.5   0.0   28.1    0.0   0.0     0.0   28.1    0.0  1162.9     0.0    BAFFIN STREET
 6500 -  6144   15 0   200  54.3   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1176.1     0.0    SH 39
 6144 -  6453   15 0   229  54.3   0.0   15.2    0.0   0.0     0.0   15.2    0.0  1191.3     0.0    SH 39
 6453 -  6153   15 0   224  54.2   0.0   14.9    0.0   0.0     0.0   14.9    0.0  1206.2     0.0    SH 39
 6153 - 10690   15 0   138  54.2   0.0    9.2    0.0   0.0     0.0    9.2    0.0  1215.4     0.0    SH 39
10690 -  4570   15 0    84  54.2   0.0    5.6    0.0   0.0     0.0    5.6    0.0  1220.9     0.0    SH 39
 4570 -  6049    6 0   219  59.1   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1234.3     0.0    SH 39
 6049 -  4158    7 0    26  69.1   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1235.6     0.0
 4158 -  2729   18 0   486  83.9   0.0   20.9    0.0   0.0     0.0   20.9    0.0  1256.5     0.0    SH 39
 2729 -  5877   10 0  2671  99.5   0.0   96.6    0.0   0.0     0.0   96.6    0.0  1353.1     0.0    SH 39
 5877 -  5878   10 0   832  99.5   0.0   30.1    0.0   0.0     0.0   30.1    0.0  1383.2     0.0    SH 39
 5878 -  4487   10 0  1027  99.5   0.0   37.2    0.0   0.0     0.0   37.2    0.0  1420.4     0.0    SH 39
 4487 -  4694   10 0   680  99.5   0.0   24.6    0.0   0.0     0.0   24.6    0.0  1445.0     0.0    SH 39
 4694 -  5875   10 0  1686  99.5   0.0   61.0    0.0   0.0     0.0   61.0    0.0  1506.0     0.0    SH 39
 5875 -  5873   10 0   471  99.5   0.0   17.0    0.0   0.0     0.0   17.0    0.0  1523.0     0.0    SH 39
 5873 -  5872   10 0   948  99.5   0.0   34.3    0.0   0.0     0.0   34.3    0.0  1557.3     0.0    SH 39
 5872 -  5871   10 0  1923  99.4   0.0   69.6    0.0   0.0     0.0   69.6    0.0  1627.0     0.0    SH 39
 5871 -  4501   10 0  1215  99.4   0.0   44.0    0.0   0.0     0.0   44.0    0.0  1671.0     0.0    SH 39
 4501 -  2759    6 0   175  58.8   0.0   10.7    0.0   0.0     0.0   10.7    0.0  1681.7     0.0    SH 39
 2759 - 10237    6 0   322  58.8   0.0   19.7    0.0   0.0     0.0   19.7    0.0  1701.4     0.0    SH 39
10237 -  2760   17 0   413  74.1   0.0   20.1    0.0   0.0     0.0   20.1    0.0  1721.5     0.0    SH 39
 2760 -  5870   10 0  2223  99.3   0.0   80.6    0.0   0.0     0.0   80.6    0.0  1802.1     0.0    SH 39
 5870 -  5869   10 0  1579  99.3   0.0   57.2    0.0   0.0     0.0   57.2    0.0  1859.3     0.0    SH 39
 5869 -  5868   10 0    74  99.3   0.0    2.7    0.0   0.0     0.0    2.7    0.0  1862.0     0.0    SH 39
 5868 -  5727   10 0  1566  99.7   0.0   56.5    0.0   0.0     0.0   56.5    0.0  1918.5     0.0    SH 39
 5727 -  5633   10 0   367  99.7   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1931.8     0.0    SH 39
 5633 -  5507   10 0  1115  99.7   0.0   40.3    0.0   0.0     0.0   40.3    0.0  1972.0     0.0    SH 39
 5507 -  5508   10 0   862  99.7   0.0   31.1    0.0   0.0     0.0   31.1    0.0  2003.2     0.0    SH 39
 5508 -  4843   16 0     7  64.7   0.0    0.4    0.0   0.0     0.0    0.4    0.0  2003.6     0.0
 4843 -  4844   10 0  1872  99.6   0.0   67.7    0.0   0.0     0.0   67.7    0.0  2071.2     0.0    SH 39
 4844 -  5572   10 0  1145  99.5   0.0   41.4    0.0   0.0     0.0   41.4    0.0  2112.7     0.0    SH 39
 5572 -  5537   10 0   412  99.5   0.0   14.9    0.0   0.0     0.0   14.9    0.0  2127.6     0.0    SH 39
 5537 -  5640    8 4   924  79.3   0.0   41.9    0.0  11.0     0.0   52.9    0.0  2180.5     0.0    SH 39
 5640 -  5602   15 0    56  53.4   0.0    3.8    0.0  10.0     0.0   13.8    0.0  2194.3     0.0    SH 23
 5602 -  5601   15 0   191  54.2   0.0   12.7    0.0   0.0     0.0   12.7    0.0  2207.0     0.0    SH 39
 5601 -  5603   15 0     8  54.2   0.0    0.5    0.0   0.0     0.0    0.5    0.0  2207.5     0.0
 5603 - 10233    7 0   205  69.1   0.0   10.7    0.0   0.0     0.0   10.7    0.0  2218.2     0.0    SH 39
10233 -  5604    7 0   246  69.1   0.0   12.8    0.0   0.0     0.0   12.8    0.0  2231.0     0.0    SH 39
 5604 -  5605    7 0   307  69.1   0.0   16.0    0.0   0.0     0.0   16.0    0.0  2247.0     0.0    SH 39
 5605 -  5606    8 0   780  79.2   0.0   35.5    0.0   0.0     0.0   35.5    0.0  2282.4     0.0    SH 39
 5606 -  5607    8 0   257  79.2   0.0   11.7    0.0   0.0     0.0   11.7    0.0  2294.1     0.0    SH 39
 5607 -  5608    8 0    81  79.3   0.0    3.7    0.0   0.0     0.0    3.7    0.0  2297.8     0.0    SH 39
 5608 -  5609   10 0   710  99.6   0.0   25.7    0.0   0.0     0.0   25.7    0.0  2323.5     0.0    SH 39
 5609 -  5619   10 0  2177  99.6   0.0   78.7    0.0   0.0     0.0   78.7    0.0  2402.2     0.0    SH 39
 5619 -  5744   10 0   193  99.6   0.0    7.0    0.0   0.0     0.0    7.0    0.0  2409.1     0.0    SH 39
 5744 -  4717    9 0   488  89.0   0.0   19.7    0.0   0.0     0.0   19.7    0.0  2428.9     0.0    SH 39
 4717 - 10231    8 0  1179  79.4   0.0   53.5    0.0   0.0     0.0   53.5    0.0  2482.3     0.0    SH 39
10231 -  4635   15 0   165  54.4   0.0   10.9    0.0   0.0     0.0   10.9    0.0  2493.2     0.0    SH 39
 4635 -  4718   15 0   127  54.4   0.0    8.4    0.0   0.0     0.0    8.4    0.0  2501.6     0.0    SH 39
 4718 -  4728   15 0   345  54.4   0.0   22.8    0.0   0.0     0.0   22.8    0.0  2524.5     0.0    SH 39
 4728 -  3731   15 0   209  54.2   0.0   13.9    0.0   0.0     0.0   13.9    0.0  2538.4     0.0    SH 39
 3731 -  3730    7 0   221  69.1   0.0   11.5    0.0   0.0     0.0   11.5    0.0  2549.9     0.0    SH 39
 3730 -  5760    9 0  1707  89.1   0.0   69.0    0.0   0.0     0.0   69.0    0.0  2618.8     0.0    SH 39
 5760 -  2681   10 0  1354  99.6   0.0   48.9    0.0   0.0     0.0   48.9    0.0  2667.8     0.0    SH 39
 2681 - 10679   10 0  2523  99.6   0.0   91.2    0.0   0.0     0.0   91.2    0.0  2759.0     0.0    SH 39
10679 -  5655    8 0   710  79.4   0.0   32.2    0.0   0.0     0.0   32.2    0.0  2791.2     0.0    SH 39
 5655 -  2825    8 0   149  79.4   0.0    6.8    0.0   0.0     0.0    6.8    0.0  2797.9     0.0    SH 39
 2825 -  2709    8 0   968  79.4   0.0   43.9    0.0   0.0     0.0   43.9    0.0  2841.8     0.0    SH 39
 2709 -  2708    7 0   753  69.3   0.0   39.1    0.0   0.0     0.0   39.1    0.0  2880.9     0.0    SH 39
 2708 -  5761   15 0    29  54.7   0.0    1.9    0.0   0.0     0.0    1.9    0.0  2882.8     0.0    SH 39
 5761 -  5644   15 0    39  54.7   0.0    2.6    0.0   0.0     0.0    2.6    0.0  2885.4     0.0    SH 39
 5644 -  4619   15 0   330  54.7   0.0   21.7    0.0   0.0     0.0   21.7    0.0  2907.1     0.0    SH 39
 4619 -  5481   15 4   118  54.7   0.0    7.8    0.0   5.6     0.0   13.4    0.0  2920.5     0.0    SH 39

Modelled Totals    70313  86.7       2893.9         26.6         2920.5
Observed Totals                0.0        2868.0          7.9        2875.9

Observed Journey Time =  2875.94     Implied Average Speed =  88.0
Modelled Journey Time =  2920.49    Modelled Average Speed =  86.7
                         101.55%                             98.47%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 30 Movement Analysis - times in seconds

R11bSB SH39
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
5824 - 5862	15	0	88	54.1	0.0	5.9	0.0	0.0	0.0	5.9	0.0	5.9	0.0	ELLERY STREET
5862 - 5481	15	0	17	54.1	0.0	1.1	0.0	5.0	0.0	6.1	0.0	12.0	0.0	
5481 - 4619	15	0	118	54.7	0.0	7.8	0.0	0.0	0.0	7.8	0.0	19.8	0.0	SH 39
4619 - 5644	15	0	330	54.7	0.0	21.7	0.0	0.0	0.0	21.7	0.0	41.5	0.0	SH 39
5644 - 5761	15	0	39	54.7	0.0	2.6	0.0	0.0	0.0	2.6	0.0	44.0	0.0	SH 39
5761 - 2708	15	0	29	54.8	0.0	1.9	0.0	2.0	0.0	3.9	0.0	47.9	0.0	SH 39
2708 - 2709	7	0	753	69.3	0.0	39.1	0.0	0.0	0.0	39.1	0.0	87.1	0.0	SH 39
2709 - 2825	8	0	968	79.5	0.0	43.8	0.0	0.0	0.0	43.8	0.0	130.9	0.0	SH 39
2825 - 5655	8	0	149	79.5	0.0	6.7	0.0	0.0	0.0	6.7	0.0	137.6	0.0	SH 39
5655 - 10679	8	0	710	79.5	0.0	32.2	0.0	0.0	0.0	32.2	0.0	169.8	0.0	SH 39
10679 - 2681	10	0	2523	99.7	0.0	91.1	0.0	0.0	0.0	91.1	0.0	260.9	0.0	SH 39
2681 - 5760	10	0	1354	99.6	0.0	48.9	0.0	0.0	0.0	48.9	0.0	309.8	0.0	SH 39
5760 - 3730	9	0	1707	89.1	0.0	69.0	0.0	0.0	0.0	69.0	0.0	378.8	0.0	SH 39
3730 - 3731	7	0	221	69.2	0.0	11.5	0.0	0.0	0.0	11.5	0.0	390.3	0.0	SH 39
3731 - 4728	15	0	209	54.3	0.0	13.9	0.0	0.0	0.0	13.9	0.0	404.2	0.0	SH 39
4728 - 4718	15	0	345	54.5	0.0	22.8	0.0	0.0	0.0	22.8	0.0	426.9	0.0	SH 39
4718 - 4635	15	0	127	54.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	435.3	0.0	SH 39
4635 - 10231	15	0	165	54.5	0.0	10.9	0.0	0.0	0.0	10.9	0.0	446.2	0.0	SH 39
10231 - 4717	8	0	1179	79.5	0.0	53.4	0.0	0.0	0.0	53.4	0.0	499.6	0.0	SH 39
4717 - 5744	9	0	488	89.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	519.3	0.0	SH 39
5744 - 5619	10	0	193	99.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	526.3	0.0	SH 39
5619 - 5609	10	0	2177	99.6	0.0	78.7	0.0	0.0	0.0	78.7	0.0	605.0	0.0	SH 39
5609 - 5608	10	0	710	99.6	0.0	25.7	0.0	0.0	0.0	25.7	0.0	630.7	0.0	SH 39
5608 - 5607	8	0	81	79.4	0.0	3.7	0.0	0.0	0.0	3.7	0.0	634.3	0.0	SH 39
5607 - 5606	8	0	257	79.2	0.0	11.7	0.0	0.0	0.0	11.7	0.0	646.0	0.0	SH 39
5606 - 5605	8	0	780	79.3	0.0	35.4	0.0	0.0	0.0	35.4	0.0	681.4	0.0	SH 39
5605 - 5604	7	0	307	69.1	0.0	16.0	0.0	0.0	0.0	16.0	0.0	697.4	0.0	SH 39
5604 - 10233	7	0	246	69.1	0.0	12.8	0.0	0.0	0.0	12.8	0.0	710.2	0.0	SH 39
10233 - 5603	7	0	205	69.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	720.9	0.0	SH 39
5603 - 5601	15	0	8	54.2	0.0	0.5	0.0	0.0	0.0	0.5	0.0	721.5	0.0	
5601 - 5602	15	4	191	54.2	0.0	12.7	0.0	9.0	0.0	21.7	0.0	743.1	0.0	SH 39
5602 - 5640	15	0	56	53.5	0.0	3.8	0.0	10.0	0.0	13.8	0.0	756.9	0.0	SH 23
5640 - 5537	8	0	924	79.3	0.0	41.9	0.0	0.0	0.0	41.9	0.0	798.9	0.0	SH 39
5537 - 5572	10	0	412	99.6	0.0	14.9	0.0	0.0	0.0	14.9	0.0	813.7	0.0	SH 39
5572 - 4844	10	0	1145	99.6	0.0	41.4	0.0	0.0	0.0	41.4	0.0	855.1	0.0	SH 39
4844 - 4843	10	0	1872	99.6	0.0	67.7	0.0	0.0	0.0	67.7	0.0	922.8	0.0	SH 39
4843 - 5508	16	0	7	64.8	0.0	0.4	0.0	0.0	0.0	0.4	0.0	923.2	0.0	
5508 - 5507	10	0	862	99.7	0.0	31.1	0.0	0.0	0.0	31.1	0.0	954.3	0.0	SH 39
5507 - 5633	10	0	1115	99.7	0.0	40.3	0.0	0.0	0.0	40.3	0.0	994.6	0.0	SH 39
5633 - 5727	10	0	367	99.7	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1007.8	0.0	SH 39
5727 - 5868	10	0	1566	99.7	0.0	56.5	0.0	0.0	0.0	56.5	0.0	1064.4	0.0	SH 39
5868 - 5869	10	0	74	99.3	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1067.0	0.0	SH 39
5869 - 5870	10	0	1579	99.3	0.0	57.2	0.0	0.0	0.0	57.2	0.0	1124.3	0.0	SH 39
5870 - 2760	10	0	2223	99.3	0.0	80.6	0.0	0.0	0.0	80.6	0.0	1204.9	0.0	SH 39
2760 - 10237	17	0	413	74.0	0.0	20.1	0.0	0.0	0.0	20.1	0.0	1225.0	0.0	SH 39
10237 - 2759	6	0	322	58.8	0.0	19.7	0.0	0.0	0.0	19.7	0.0	1244.7	0.0	SH 39
2759 - 4501	6	0	175	58.8	0.0	10.7	0.0	1.0	0.0	11.7	0.0	1256.4	0.0	SH 39
4501 - 5871	10	0	1215	99.3	0.0	44.0	0.0	0.0	0.0	44.0	0.0	1300.5	0.0	SH 39
5871 - 5872	10	0	1923	99.3	0.0	69.7	0.0	0.0	0.0	69.7	0.0	1370.2	0.0	SH 39
5872 - 5873	10	0	948	99.5	0.0	34.3	0.0	0.0	0.0	34.3	0.0	1404.5	0.0	SH 39
5873 - 5875	10	0	471	99.5	0.0	17.0	0.0	0.0	0.0	17.0	0.0	1421.5	0.0	SH 39
5875 - 4694	10	0	1686	99.5	0.0	61.0	0.0	0.0	0.0	61.0	0.0	1482.5	0.0	SH 39
4694 - 4487	10	0	680	99.5	0.0	24.6	0.0	0.0	0.0	24.6	0.0	1507.1	0.0	SH 39
4487 - 5878	10	0	1027	99.5	0.0	37.2	0.0	0.0	0.0	37.2	0.0	1544.3	0.0	SH 39
5878 - 5877	10	0	832	99.5	0.0	30.1	0.0	0.0	0.0	30.1	0.0	1574.4	0.0	SH 39
5877 - 2729	10	0	2671	99.5	0.0	96.6	0.0	0.0	0.0	96.6	0.0	1671.0	0.0	SH 39
2729 - 4158	18	0	486	83.9	0.0	20.9	0.0	0.0	0.0	20.9	0.0	1691.9	0.0	SH 39
4158 - 6049	7	0	26	69.1	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1693.2	0.0	
6049 - 4570	6	0	219	59.1	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1706.6	0.0	SH 39
4570 - 10690	15	0	84	54.2	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1712.1	0.0	SH 39
10690 - 6153	15	0	138	54.2	0.0	9.2	0.0	0.0	0.0	9.2	0.0	1721.3	0.0	SH 39
6153 - 6453	15	0	224	54.2	0.0	14.9	0.0	1.0	0.0	15.9	0.0	1737.2	0.0	SH 39
6453 - 6144	15	0	229	54.3	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1752.4	0.0	SH 39
6144 - 6500	15	0	200	54.3	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1765.6	0.0	SH 39
6500 - 4428	15	0	425	54.5	0.0	28.1	0.0	0.0	0.0	28.1	0.0	1793.7	0.0	BAFFIN STREET
4428 - 10732	15	0	1696	54.5	0.0	112.0	0.0	0.0	0.0	112.0	0.0	1905.7	0.0	SH 39
10732 - 8270	9	0	3044	89.2	0.0	122.9	0.0	0.0	0.0	122.9	0.0	2028.6	0.0	SH 39
8270 - 9936	9	0	8797	89.2	0.0	355.0	0.0	0.0	0.0	355.0	0.0	2383.6	0.0	SH 39
9936 - 9937	10	0	70	99.6	0.0	2.5	0.0	0.0	0.0	2.5	0.0	2386.1	0.0	SYMES ROAD
9937 - 9935	9	0	1900	89.1	0.0	76.8	0.0	0.0	0.0	76.8	0.0	2462.9	0.0	SH 31
9935 - 8269	10	0	4169	99.6	0.0	150.7	0.0	0.0	0.0	150.7	0.0	2613.6	0.0	SH 31
8269 - 10128	10	0	6024	99.6	0.0	217.7	0.0	1.9	0.0	219.6	0.0	2833.2	0.0	SH 31
Modelled Totals			68970	87.6		2803.3		29.9		2833.2				
Observed Totals					0.0		2901.0		4.9		2905.9			

```
Observed Journey Time =  2905.92     Implied Average Speed =  85.4
Modelled Journey Time =  2833.24    Modelled Average Speed =  87.6
                         97.50%                             102.57%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 31 Movement Analysis - times in seconds

R1NB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4926 - 3428	9 0	331	86.3	0.0	13.8	0.0	0.0	0.0	13.8	0.0	13.8	0.0	CAMBRIDGE ROAD
3428 - 3429	7 0	11	67.8	0.0	0.6	0.0	0.0	0.0	0.6	0.0	14.4	0.0	
3429 - 3586	7 0	102	67.8	0.0	5.4	0.0	0.0	0.0	5.4	0.0	19.8	0.0	CAMBRIDGE ROAD
3586 - 3587	7 0	80	67.8	0.0	4.2	0.0	0.0	0.0	4.2	0.0	24.1	0.0	CAMBRIDGE ROAD
3587 - 4157	6 0	145	57.4	0.0	9.1	0.0	0.0	0.0	9.1	0.0	33.1	0.0	CAMBRIDGE ROAD
4157 - 10700	6 0	84	57.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	38.4	0.0	CAMBRIDGE ROAD
10700 - 3072	6 0	153	57.3	0.0	9.6	0.0	0.0	0.0	9.6	0.0	48.0	0.0	CAMBRIDGE ROAD
3072 - 3076	6 3	124	57.4	0.0	7.8	0.0	12.0	0.0	19.8	0.0	67.8	0.0	CAMBRIDGE ROAD
3076 - 5202	6 3	315	56.4	0.0	20.1	0.0	8.0	0.0	28.1	0.0	95.9	0.0	CAMBRIDGE ROAD
5202 - 5140	6 0	26	57.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	97.6	0.0	COBHAM DRIVE
5140 - 5143	6 0	121	57.2	0.0	7.6	0.0	0.0	0.0	7.6	0.0	105.2	0.0	COBHAM DRIVE
5143 - 10699	6 0	136	57.2	0.0	8.6	0.0	0.0	0.0	8.6	0.0	113.7	0.0	COBHAM DRIVE
10699 - 4897	6 0	160	57.2	0.0	10.1	0.0	0.0	0.0	10.1	0.0	123.8	0.0	COBHAM DRIVE
4897 - 3421	8 0	667	77.5	0.0	31.0	0.0	0.0	0.0	31.0	0.0	154.8	0.0	COBHAM DRIVE
3421 - 3420	8 3	236	77.5	0.0	11.0	0.0	17.0	0.0	28.0	0.0	182.7	0.0	COBHAM DRIVE
3420 - 10642	8 0	129	77.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	188.8	0.0	COBHAM DRIVE
10642 - 3555	8 0	119	77.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	194.3	0.0	COBHAM DRIVE
3555 - 3435	8 0	171	77.0	0.0	8.0	0.0	0.0	0.0	8.0	0.0	202.3	0.0	COBHAM DRIVE
3435 - 3552	8 0	41	77.0	0.0	1.9	0.0	0.0	0.0	1.9	0.0	204.3	0.0	COBHAM DRIVE
3552 - 3436	8 0	99	77.4	0.0	4.6	0.0	3.0	0.0	7.6	0.0	211.9	0.0	COBHAM DRIVE
3436 - 3670	8 0	395	75.1	0.0	18.9	0.0	0.0	0.0	18.9	0.0	230.8	0.0	SH 1
3670 - 3509	5 0	204	40.0	0.0	18.4	0.0	0.0	0.0	18.4	0.0	249.2	0.0	COBHAM BRIDGE
3509 - 3099	5 0	429	46.4	0.0	33.3	0.0	0.0	0.0	33.3	0.0	282.4	0.0	COBHAM DRIVE
3099 - 3673	5 0	50	48.6	0.0	3.7	0.0	0.0	0.0	3.7	0.0	286.1	0.0	COBHAM DRIVE
3673 - 3674	5 0	49	48.6	0.0	3.6	0.0	0.0	0.0	3.6	0.0	289.8	0.0	COBHAM DRIVE
3674 - 3676	5 6	29	48.6	0.0	2.1	0.0	33.0	0.0	35.1	0.0	324.9	0.0	COBHAM DRIVE
3676 - 3677	7 0	131	68.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	331.8	0.0	COBHAM DRIVE
3677 - 9799	7 0	82	68.9	0.0	4.3	0.0	0.0	0.0	4.3	0.0	336.1	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	68.0	0.0	11.5	0.0	0.0	0.0	11.5	0.0	347.5	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	68.0	0.0	14.0	0.0	0.0	0.0	14.0	0.0	361.5	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	68.0	0.0	21.6	0.0	0.0	0.0	21.6	0.0	383.1	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	52.8	0.0	1.6	0.0	0.0	0.0	1.6	0.0	384.8	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	52.8	0.0	4.0	0.0	12.0	0.0	16.0	0.0	400.7	0.0	COBHAM DRIVE
3370 - 8195	5 0	99	47.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	408.2	0.0	COBHAM DRIVE
8195 - 3457	5 3	58	47.8	0.0	4.4	0.0	5.0	0.0	9.4	0.0	417.5	0.0	COBHAM DRIVE
3457 - 3768	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	419.1	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	422.5	0.0	ANGLESEA STREET
6689 - 7442	5 0	168	49.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	434.8	0.0	ANGLESEA STREET
7442 - 6685	5 0	82	48.6	0.0	6.1	0.0	0.0	0.0	6.1	0.0	440.8	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.5	0.0	1.5	0.0	32.0	0.0	33.5	0.0	474.4	0.0	
7072 - 8202	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	475.9	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	479.3	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	487.7	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.0	0.0	4.8	0.0	27.0	0.0	31.8	0.0	519.6	0.0	ANGLESEA STREET
7193 - 10461	5 0	54	48.5	0.0	4.0	0.0	0.0	0.0	4.0	0.0	523.6	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	48.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	528.5	0.0	ANGLESEA STREET
5382 - 2514	5 0	89	48.5	0.0	6.6	0.0	0.0	0.0	6.6	0.0	535.1	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	48.4	0.0	4.3	0.0	0.0	0.0	4.3	0.0	539.4	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	48.3	0.0	4.7	0.0	20.0	0.0	24.7	0.0	564.1	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	47.6	0.0	9.3	0.0	16.0	0.0	25.3	0.0	589.4	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	596.2	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.2	0.0	9.2	0.0	61.0	0.0	70.2	0.0	666.5	0.0	ANGLESEA STREET
6868 - 10466	15 0	127	53.5	0.0	8.5	0.0	0.0	0.0	8.5	0.0	675.0	0.0	ANGLESEA STREET
10466 - 3757	15 7	116	53.5	0.0	7.8	0.0	8.0	0.0	15.8	0.0	690.8	0.0	ANGLESEA STREET
3757 - 10467	15 0	207	53.1	0.0	14.0	0.0	0.0	0.0	14.0	0.0	704.8	0.0	ANGLESEA STREET
10467 - 3758	15 0	29	53.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	706.8	0.0	ANGLESEA STREET
3758 - 3131	15 0	12	53.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	707.6	0.0	
3131 - 3471	15 0	172	53.8	0.0	11.5	0.0	0.0	0.0	11.5	0.0	719.1	0.0	WILLOUGHBY STREET
3471 - 3469	15 6	12	53.8	0.0	0.8	0.0	45.0	0.0	45.8	0.0	764.9	0.0	
3469 - 8221	15 0	21	53.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	766.4	0.0	MILL STREET
8221 - 3470	15 0	107	53.4	0.0	7.2	0.0	0.0	0.0	7.2	0.0	773.6	0.0	MILL STREET
3470 - 3129	15 6	122	53.4	0.0	8.2	0.0	25.0	0.0	33.2	0.0	806.8	0.0	MILL STREET
3129 - 10509	5 0	146	48.9	0.0	10.7	0.0	0.0	0.0	10.7	0.0	817.5	0.0	ULSTER STREET
10509 - 6921	5 0	101	48.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	825.0	0.0	ULSTER STREET
6921 - 6920	15 0	205	54.1	0.0	13.6	0.0	0.0	0.0	13.6	0.0	838.6	0.0	ULSTER STREET
6920 - 4759	15 0	36	54.1	0.0	2.4	0.0	0.0	0.0	2.4	0.0	841.0	0.0	
4759 - 4760	15 0	511	53.5	0.0	34.4	0.0	0.0	0.0	34.4	0.0	875.4	0.0	ULSTER STREET
4760 - 6669	6 0	171	58.4	0.0	10.5	0.0	0.0	0.0	10.5	0.0	885.9	0.0	ULSTER STREET
6669 - 8225	6 0	276	58.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	902.9	0.0	ULSTER STREET
8225 - 6670	6 7	29	58.7	0.0	1.8	0.0	41.0	0.0	42.8	0.0	945.6	0.0	ULSTER STREET
6670 - 8222	6 0	26	57.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	947.3	0.0	TE RAPA ROAD
8222 - 6671	6 0	104	57.0	0.0	6.6	0.0	0.0	0.0	6.6	0.0	953.8	0.0	TE RAPA ROAD
6671 - 4991	6 0	70	57.6	0.0	4.4	0.0	0.0	0.0	4.4	0.0	958.2	0.0	TE RAPA ROAD
4991 - 4990	6 0	158	57.6	0.0	9.9	0.0	0.0	0.0	9.9	0.0	968.1	0.0	TE RAPA ROAD
4990 - 6726	6 0	93	57.5	0.0	5.8	0.0	0.0	0.0	5.8	0.0	973.9	0.0	TE RAPA ROAD
6726 - 10668	6 0	169	57.6	0.0	10.6	0.0	0.0	0.0	10.6	0.0	984.5	0.0	TE RAPA ROAD
10668 - 5111	6 0	73	57.6	0.0	4.6	0.0	0.0	0.0	4.6	0.0	989.0	0.0	TE RAPA ROAD
5111 - 7076	6 0	86	57.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	994.4	0.0	TE RAPA ROAD
7076 - 6865	6 0	81	57.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	999.4	0.0	TE RAPA ROAD
6865 - 3364	6 7	148	57.9	0.0	9.2	0.0	30.0	0.0	39.2	0.0	1038.6	0.0	TE RAPA ROAD
3364 - 3260	6 0	195	58.0	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1050.7	0.0	TE RAPA ROAD
3260 - 3330	6 6	109	58.0	0.0	6.8	0.0	27.0	0.0	33.8	0.0	1084.5	0.0	TE RAPA ROAD
3330 - 3327	6 0	183	58.2	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1095.8	0.0	TE RAPA ROAD
3327 - 6863	6 0	91	57.8	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1101.5	0.0	TE RAPA ROAD
6863 - 6674	6 0	156	57.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	1111.2	0.0	TE RAPA ROAD
6674 - 10672	6 0	86	57.8	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1116.6	0.0	TE RAPA ROAD
10672 - 6673	6 3	178	57.8	0.0	11.1	0.0	11.0	0.0	22.1	0.0	1138.7	0.0	TE RAPA ROAD
6673 - 6864	6 0	428	58.4	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1165.0	0.0	TE RAPA ROAD
6864 - 6672	6 7	392	57.8	0.0	24.4	0.0	28.0	0.0	52.4	0.0	1217.4	0.0	TE RAPA ROAD

6672 -	3486	15	0	101	53.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1224.2	0.0	GREAT SOUTH ROAD
3486 -	3480	15	3	252	53.6	0.0	16.9	0.0	14.0	0.0	30.9	0.0	1255.2	0.0	GREAT SOUTH ROAD
3480 -	3488	15	0	176	52.2	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1267.3	0.0	GREAT SOUTH ROAD
3488 -	3514	15	0	163	52.2	0.0	11.2	0.0	0.0	0.0	11.2	0.0	1278.5	0.0	GREAT SOUTH ROAD
3514 -	3501	15	3	180	52.2	0.0	12.4	0.0	8.0	0.0	20.4	0.0	1299.0	0.0	GREAT SOUTH ROAD
3501 -	3513	15	0	68	52.5	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1303.6	0.0	GREAT SOUTH ROAD
3513 -	3511	15	0	344	49.9	0.0	24.8	0.0	0.0	0.0	24.8	0.0	1328.4	0.0	GREAT SOUTH ROAD

Modelled Totals	13539	36.7	845.4	483.0	1328.4
Observed Totals		0.0	1118.0	100.7	1218.7

Observed Journey Time =	1218.65	Implied Average Speed =	40.0
Modelled Journey Time =	1328.43	Modelled Average Speed =	36.7
	109.01%		91.74%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 32 Movement Analysis - times in seconds

R1SB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3504 - 3511	15	0	118	52.7	0.0	8.1	0.0	3.0	0.0	11.1	0.0	11.1	0.0	GREAT SOUTH ROAD
3511 - 3513	15	0	344	50.5	0.0	24.5	0.0	0.0	0.0	24.5	0.0	35.6	0.0	GREAT SOUTH ROAD
3513 - 3501	15	3	68	52.7	0.0	4.6	0.0	10.0	0.0	14.6	0.0	50.2	0.0	GREAT SOUTH ROAD
3501 - 3514	15	0	180	52.5	0.0	12.3	0.0	0.0	0.0	12.3	0.0	62.6	0.0	GREAT SOUTH ROAD
3514 - 3488	15	0	163	52.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	73.7	0.0	GREAT SOUTH ROAD
3488 - 3480	15	3	176	52.5	0.0	12.1	0.0	12.0	0.0	24.1	0.0	97.8	0.0	GREAT SOUTH ROAD
3480 - 3486	15	0	252	53.6	0.0	16.9	0.0	0.0	0.0	16.9	0.0	114.7	0.0	GREAT SOUTH ROAD
3486 - 6672	15	7	101	53.9	0.0	6.7	0.0	33.0	0.0	39.7	0.0	154.5	0.0	GREAT SOUTH ROAD
6672 - 6864	6	0	392	58.1	0.0	24.3	0.0	0.0	0.0	24.3	0.0	178.8	0.0	TE RAPA ROAD
6864 - 6673	6	3	428	58.6	0.0	26.3	0.0	12.0	0.0	38.3	0.0	217.1	0.0	TE RAPA ROAD
6673 - 10672	6	0	178	57.9	0.0	11.1	0.0	0.0	0.0	11.1	0.0	228.1	0.0	TE RAPA ROAD
10672 - 6674	6	0	86	57.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	233.5	0.0	TE RAPA ROAD
6674 - 6863	6	0	156	57.9	0.0	9.7	0.0	0.0	0.0	9.7	0.0	243.2	0.0	TE RAPA ROAD
6863 - 3327	6	0	91	57.9	0.0	5.7	0.0	0.0	0.0	5.7	0.0	248.8	0.0	TE RAPA ROAD
3327 - 3330	6	6	183	58.3	0.0	11.3	0.0	38.0	0.0	49.3	0.0	298.1	0.0	TE RAPA ROAD
3330 - 3260	6	0	109	58.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	304.9	0.0	TE RAPA ROAD
3260 - 3364	6	7	195	58.1	0.0	12.1	0.0	32.0	0.0	44.1	0.0	349.0	0.0	TE RAPA ROAD
3364 - 6865	6	0	148	57.9	0.0	9.2	0.0	0.0	0.0	9.2	0.0	358.2	0.0	TE RAPA ROAD
6865 - 7076	6	0	81	57.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	363.2	0.0	TE RAPA ROAD
7076 - 5111	6	0	86	57.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	368.6	0.0	TE RAPA ROAD
5111 - 10668	6	0	73	57.7	0.0	4.6	0.0	0.0	0.0	4.6	0.0	373.1	0.0	TE RAPA ROAD
10668 - 6726	6	0	169	57.7	0.0	10.5	0.0	0.0	0.0	10.5	0.0	383.7	0.0	TE RAPA ROAD
6726 - 4990	6	0	93	57.5	0.0	5.8	0.0	0.0	0.0	5.8	0.0	389.5	0.0	TE RAPA ROAD
4990 - 4991	6	0	158	57.7	0.0	9.9	0.0	0.0	0.0	9.9	0.0	399.4	0.0	TE RAPA ROAD
4991 - 6671	6	0	70	57.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	403.7	0.0	TE RAPA ROAD
6671 - 8222	6	0	104	56.9	0.0	6.6	0.0	0.0	0.0	6.6	0.0	410.3	0.0	TE RAPA ROAD
8222 - 6670	6	7	26	56.9	0.0	1.6	0.0	36.0	0.0	37.6	0.0	448.0	0.0	TE RAPA ROAD
6670 - 8225	6	0	29	58.2	0.0	1.8	0.0	0.0	0.0	1.8	0.0	449.7	0.0	ULSTER STREET
8225 - 6669	6	0	276	58.1	0.0	17.1	0.0	0.0	0.0	17.1	0.0	466.9	0.0	ULSTER STREET
6669 - 4760	6	0	171	58.3	0.0	10.6	0.0	0.0	0.0	10.6	0.0	477.4	0.0	ULSTER STREET
4760 - 4759	15	0	511	53.3	0.0	34.5	0.0	0.0	0.0	34.5	0.0	511.9	0.0	ULSTER STREET
4759 - 6920	15	0	36	53.3	0.0	2.4	0.0	0.0	0.0	2.4	0.0	514.4	0.0	
6920 - 6921	15	0	205	53.3	0.0	13.8	0.0	0.0	0.0	13.8	0.0	528.2	0.0	ULSTER STREET
6921 - 10509	5	0	101	47.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	535.8	0.0	ULSTER STREET
10509 - 3129	5	7	146	47.7	0.0	11.0	0.0	33.0	0.0	44.0	0.0	579.8	0.0	ULSTER STREET
3129 - 3470	15	0	122	52.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	588.3	0.0	MILL STREET
3470 - 8221	15	0	107	52.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	595.7	0.0	MILL STREET
8221 - 3469	15	6	21	52.6	0.0	1.4	0.0	0.0	0.0	1.4	0.0	597.1	0.0	MILL STREET
3469 - 3471	15	0	12	54.6	0.0	0.8	0.0	0.0	0.0	0.8	0.0	597.9	0.0	
3471 - 3131	15	0	172	53.4	0.0	11.6	0.0	0.0	0.0	11.6	0.0	609.5	0.0	WILLOUGHBY STREET
3131 - 3758	15	0	12	53.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	610.3	0.0	
3758 - 10467	15	0	29	53.4	0.0	2.0	0.0	0.0	0.0	2.0	0.0	612.3	0.0	ANGLESEA STREET
10467 - 3757	15	7	207	53.5	0.0	13.9	0.0	19.0	0.0	32.9	0.0	645.2	0.0	ANGLESEA STREET
3757 - 10466	15	0	116	53.7	0.0	7.8	0.0	0.0	0.0	7.8	0.0	653.0	0.0	ANGLESEA STREET
10466 - 6868	15	7	127	53.8	0.0	8.5	0.0	16.0	0.0	24.5	0.0	677.5	0.0	ANGLESEA STREET
6868 - 10463	15	0	139	53.8	0.0	9.3	0.0	0.0	0.0	9.3	0.0	686.8	0.0	ANGLESEA STREET
10463 - 7069	15	6	103	53.7	0.0	6.9	0.0	37.0	0.0	43.9	0.0	730.7	0.0	ANGLESEA STREET
7069 - 5384	5	7	123	49.0	0.0	9.0	0.0	16.0	0.0	25.0	0.0	755.7	0.0	ANGLESEA STREET
5384 - 5383	5	0	63	49.0	0.0	4.6	0.0	0.0	0.0	4.6	0.0	760.3	0.0	ANGLESEA STREET
5383 - 2514	5	0	58	49.0	0.0	4.3	0.0	0.0	0.0	4.3	0.0	764.6	0.0	ANGLESEA STREET
2514 - 5382	5	0	89	49.1	0.0	6.5	0.0	0.0	0.0	6.5	0.0	771.1	0.0	ANGLESEA STREET
5382 - 10461	5	0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	776.0	0.0	ANGLESEA STREET
10461 - 7193	5	7	54	49.3	0.0	3.9	0.0	27.0	0.0	30.9	0.0	806.9	0.0	ANGLESEA STREET
7193 - 10474	5	0	66	49.0	0.0	4.8	0.0	0.0	0.0	4.8	0.0	811.7	0.0	ANGLESEA STREET
10474 - 2513	5	0	115	49.0	0.0	8.4	0.0	0.0	0.0	8.4	0.0	820.2	0.0	ANGLESEA STREET
2513 - 8202	5	0	46	49.1	0.0	3.4	0.0	0.0	0.0	3.4	0.0	823.6	0.0	ANGLESEA STREET
8202 - 7072	5	6	21	49.4	0.0	1.5	0.0	32.0	0.0	33.5	0.0	857.1	0.0	ANGLESEA STREET
7072 - 6685	5	0	21	49.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	858.6	0.0	
6685 - 7442	5	0	82	49.3	0.0	6.0	0.0	0.0	0.0	6.0	0.0	864.6	0.0	ANGLESEA STREET
7442 - 6689	5	0	168	49.2	0.0	12.3	0.0	0.0	0.0	12.3	0.0	876.9	0.0	ANGLESEA STREET
6689 - 3768	5	0	47	49.1	0.0	3.4	0.0	0.0	0.0	3.4	0.0	880.4	0.0	ANGLESEA STREET
3768 - 3457	5	3	21	49.1	0.0	1.5	0.0	13.0	0.0	14.5	0.0	894.9	0.0	ANGLESEA STREET
3457 - 8195	5	0	58	48.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	899.2	0.0	COBHAM DRIVE
8195 - 8194	5	2	127	47.1	0.0	9.7	0.0	7.0	0.0	16.7	0.0	915.9	0.0	COBHAM DRIVE
8194 - 3936	15	0	24	52.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	917.6	0.0	COBHAM DRIVE
3936 - 3672	7	0	408	67.6	0.0	21.7	0.0	0.0	0.0	21.7	0.0	939.3	0.0	COBHAM DRIVE
3672 - 10483	7	0	264	67.4	0.0	14.1	0.0	0.0	0.0	14.1	0.0	953.4	0.0	COBHAM DRIVE
10483 - 3677	7	0	298	67.4	0.0	15.9	0.0	0.0	0.0	15.9	0.0	969.3	0.0	COBHAM DRIVE
3677 - 3676	7	6	131	67.4	0.0	7.0	0.0	12.0	0.0	19.0	0.0	988.3	0.0	COBHAM DRIVE
3676 - 3674	5	0	29	46.3	0.0	2.3	0.0	0.0	0.0	2.3	0.0	990.6	0.0	COBHAM DRIVE
3674 - 3673	5	0	49	46.3	0.0	3.8	0.0	3.0	0.0	6.8	0.0	997.4	0.0	COBHAM DRIVE
3673 - 3099	5	0	50	39.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1002.0	0.0	COBHAM DRIVE
3099 - 3509	5	0	429	39.1	0.0	39.5	0.0	0.0	0.0	39.5	0.0	1041.5	0.0	COBHAM DRIVE
3509 - 3670	5	0	204	39.1	0.0	18.8	0.0	0.0	0.0	18.8	0.0	1060.3	0.0	COBHAM BRIDGE
3670 - 3436	8	0	395	77.4	0.0	18.4	0.0	0.0	0.0	18.4	0.0	1078.7	0.0	SH 1
3436 - 3552	8	0	99	77.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1083.3	0.0	COBHAM DRIVE
3552 - 3435	8	0	41	76.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	1085.2	0.0	COBHAM DRIVE
3435 - 3555	8	0	171	76.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1093.2	0.0	COBHAM DRIVE
3555 - 10642	8	0	119	77.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1098.7	0.0	COBHAM DRIVE
10642 - 3420	8	3	129	77.0	0.0	6.0	0.0	15.0	0.0	21.0	0.0	1119.8	0.0	COBHAM DRIVE
3420 - 3421	8	0	236	77.5	0.0	11.0	0.0	0.0	0.0	11.0	0.0	1130.7	0.0	COBHAM DRIVE
3421 - 4897	8	0	667	77.5	0.0	31.0	0.0	0.0	0.0	31.0	0.0	1161.7	0.0	COBHAM DRIVE
4897 - 10699	6	0	160	57.2	0.0	10.1	0.0	0.0	0.0	10.1	0.0	1171.8	0.0	COBHAM DRIVE
10699 - 5143	6	0	136	57.2	0.0	8.6	0.0	0.0	0.0	8.6	0.0	1180.4	0.0	COBHAM DRIVE
5143 - 5140	6	0	121	57.2	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1188.0	0.0	COBHAM DRIVE
5140 - 5202	6	3	26	57.2	0.0	1.6	0.0	15.0	0.0	16.6	0.0	1204.6	0.0	COBHAM DRIVE
5202 - 3076	6	3	315	56.4	0.0	20.1	0.0	14.0	0.0	34.1	0.0	1238.7	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	57.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1246.5	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	57.4	0.0	9.6	0.0	3.0	0.0	12.6	0.0	1259.1	0.0	CAMBRIDGE ROAD

```
10700 -  4157    6 0    84  55.0   0.0    5.5    0.0   0.0     0.0    5.5    0.0  1264.6     0.0    CAMBRIDGE ROAD
 4157 -  3587    6 0   145  55.0   0.0    9.5    0.0   0.0     0.0    9.5    0.0  1274.1     0.0    CAMBRIDGE ROAD
 3587 -  3586    7 0    80  66.0   0.0    4.4    0.0   0.0     0.0    4.4    0.0  1278.4     0.0    CAMBRIDGE ROAD
 3586 -  3429    7 0   102  66.0   0.0    5.6    0.0   0.0     0.0    5.6    0.0  1284.0     0.0    CAMBRIDGE ROAD
 3429 -  3428    7 0    11  66.0   0.0    0.6    0.0   0.0     0.0    0.6    0.0  1284.6     0.0

Modelled Totals    13295  37.3        846.6        438.0         1284.6
Observed Totals                 0.0        1127.2         137.6        1264.8

Observed Journey Time =  1264.80     Implied Average Speed =  37.8
Modelled Journey Time =  1284.60    Modelled Average Speed =  37.3
                         101.57%                              98.46%
```

```
+-------------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                    Gabites Porter  |
|                                                                         Christchurch, N.Z.|
+-------------------------------------------------------------------------------------------+

Journey 33 Movement Analysis - times in seconds

R2EB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3770 -  4763   15 0   143  50.5   0.0   10.2    0.0   0.0     0.0   10.2    0.0    10.2     0.0    SH 3
 4763 -  4764   15 0    42  50.5   0.0    3.0    0.0   0.0     0.0    3.0    0.0    13.2     0.0    SH 3
 4764 -  4762   15 0    30  49.1   0.0    2.2    0.0   0.0     0.0    2.2    0.0    15.4     0.0    SH 3
 4762 -  4761   15 0    98  49.6   0.0    7.1    0.0   0.0     0.0    7.1    0.0    22.5     0.0    SH 3
 4761 -  4393   15 6   105  49.6   0.0    7.6    0.0  22.0     0.0   29.6    0.0    52.1     0.0    SH 3
 4393 -  8248    6 0    22  55.1   0.0    1.4    0.0   0.0     0.0    1.4    0.0    53.6     0.0    SH 1
 8248 -  2531    6 0    68  55.1   0.0    4.4    0.0   0.0     0.0    4.4    0.0    58.0     0.0    SH 1
 2531 -  4514    6 0    57  55.1   0.0    3.7    0.0   0.0     0.0    3.7    0.0    61.7     0.0    SH 1
 4514 -  6683    6 0   108  55.3   0.0    7.0    0.0   0.0     0.0    7.0    0.0    68.8     0.0    KAHIKATEA DRIVE
 6683 -  5351    7 0   181  66.2   0.0    9.8    0.0   0.0     0.0    9.8    0.0    78.6     0.0    KAHIKATEA DRIVE
 5351 -  5251    7 0    88  66.2   0.0    4.8    0.0   0.0     0.0    4.8    0.0    83.4     0.0    KAHIKATEA DRIVE
 5251 -  5253    7 0    58  66.2   0.0    3.2    0.0   0.0     0.0    3.2    0.0    86.5     0.0    KAHIKATEA DRIVE
 5253 -  3683    7 0    68  66.2   0.0    3.7    0.0   0.0     0.0    3.7    0.0    90.2     0.0    KAHIKATEA DRIVE
 3683 - 10639    7 0    64  66.2   0.0    3.5    0.0   0.0     0.0    3.5    0.0    93.7     0.0    KAHIKATEA DRIVE
10639 -  5323    7 0   118  66.2   0.0    6.4    0.0   0.0     0.0    6.4    0.0   100.1     0.0    KAHIKATEA DRIVE
 5323 -  4709    7 0   235  66.1   0.0   12.8    0.0   0.0     0.0   12.8    0.0   112.9     0.0    KAHIKATEA DRIVE
 4709 -  3175    7 0   293  66.1   0.0   16.0    0.0   0.0     0.0   16.0    0.0   128.9     0.0    SH 1
 3175 -  4793    7 0   230  66.1   0.0   12.5    0.0   0.0     0.0   12.5    0.0   141.4     0.0    SH 1
 4793 -  5194    7 0    84  66.1   0.0    4.6    0.0   0.0     0.0    4.6    0.0   146.0     0.0    KAHIKATEA DRIVE
 5194 -  6938    7 0    80  66.1   0.0    4.4    0.0   2.0     0.0    6.4    0.0   152.3     0.0    KAHIKATEA DRIVE
 6938 -  3917    7 0   117  66.0   0.0    6.4    0.0   0.0     0.0    6.4    0.0   158.7     0.0    KAHIKATEA DRIVE
 3917 -  3177    8 0   321  76.2   0.0   15.2    0.0   0.0     0.0   15.2    0.0   173.9     0.0    GREENWOOD STREET
 3177 - 10650    8 0   417  76.3   0.0   19.7    0.0   0.0     0.0   19.7    0.0   193.6     0.0    GREENWOOD STREET
10650 -  4758    8 0   239  76.1   0.0   11.3    0.0   0.0     0.0   11.3    0.0   204.9     0.0    GREENWOOD STREET
 4758 -  4757    8 3   158  76.1   0.0    7.5    0.0  18.0     0.0   25.5    0.0   230.4     0.0    GREENWOOD STREET
 4757 -  3377    8 0   342  78.4   0.0   15.7    0.0   0.0     0.0   15.7    0.0   246.1     0.0    GREENWOOD STREET
 3377 -  8210    8 0   299  78.3   0.0   13.7    0.0   0.0     0.0   13.7    0.0   259.8     0.0    GREENWOOD STREET
 8210 -  3376    5 6    18  47.6   0.0    1.4    0.0  30.0     0.0   31.4    0.0   291.2     0.0    GREENWOOD STREET
 3376 -  8211    5 0    16  48.1   0.0    1.2    0.0   0.0     0.0    1.2    0.0   292.4     0.0    LINCOLN STREET
 8211 -  4755    7 0    37  68.6   0.0    1.9    0.0   0.0     0.0    1.9    0.0   294.3     0.0    LINCOLN STREET
 4755 -  4756    8 0    69  78.7   0.0    3.2    0.0   0.0     0.0    3.2    0.0   297.5     0.0    LINCOLN STREET
 4756 - 10496    8 0   102  77.6   0.0    4.7    0.0   0.0     0.0    4.7    0.0   302.2     0.0    LINCOLN STREET
10496 -  4988    8 0   175  77.6   0.0    8.1    0.0   0.0     0.0    8.1    0.0   310.3     0.0    LINCOLN STREET
 4988 -  8207    8 0   115  77.6   0.0    5.3    0.0   0.0     0.0    5.3    0.0   315.6     0.0    LINCOLN STREET
 8207 - 10497    8 0    78  77.6   0.0    3.6    0.0   0.0     0.0    3.6    0.0   319.3     0.0    LINCOLN STREET
10497 -  3455    8 0   226  77.6   0.0   10.5    0.0   0.0     0.0   10.5    0.0   329.7     0.0    LINCOLN STREET
 3455 -  3456    8 6   117  77.6   0.0    5.4    0.0  50.0     0.0   55.4    0.0   385.2     0.0    LINCOLN STREET
 3456 -  8206   15 0    21  48.9   0.0    1.5    0.0   0.0     0.0    1.5    0.0   386.7     0.0    LINCOLN STREET
 8206 -  3266    7 0   198  60.7   0.0   11.7    0.0   0.0     0.0   11.7    0.0   398.5     0.0    LINCOLN STREET
 3266 -  3267    7 0   117  60.7   0.0    6.9    0.0   0.0     0.0    6.9    0.0   405.4     0.0    LINCOLN STREET
 3267 -  3476    7 6    57  60.7   0.0    3.4    0.0  22.0     0.0   25.4    0.0   430.8     0.0    LINCOLN STREET
 3476 - 10530    7 0   135  61.5   0.0    7.9    0.0   0.0     0.0    7.9    0.0   438.7     0.0    AVALON DRIVE
10530 -  2657    7 0   103  61.5   0.0    6.0    0.0   0.0     0.0    6.0    0.0   444.7     0.0    AVALON DRIVE
 2657 - 10657    7 0   109  61.1   0.0    6.4    0.0   0.0     0.0    6.4    0.0   451.1     0.0    AVALON DRIVE
10657 -  4911    7 0    98  61.1   0.0    5.8    0.0   0.0     0.0    5.8    0.0   456.9     0.0    AVALON DRIVE
 4911 -  6657    7 0   224  61.7   0.0   13.1    0.0   0.0     0.0   13.1    0.0   470.0     0.0    AVALON DRIVE
 6657 -  2577    8 0   127  74.6   0.0    6.1    0.0   0.0     0.0    6.1    0.0   476.1     0.0    AVALON DRIVE
 2577 -  6658    8 0   118  74.6   0.0    5.7    0.0   0.0     0.0    5.7    0.0   481.8     0.0    AVALON DRIVE
 6658 -  6661    8 0   151  74.5   0.0    7.3    0.0   0.0     0.0    7.3    0.0   489.1     0.0    AVALON DRIVE
 6661 -  2525    8 0   141  74.5   0.0    6.8    0.0   0.0     0.0    6.8    0.0   495.9     0.0    AVALON DRIVE
 2525 -  2574    8 0    79  74.6   0.0    3.8    0.0   0.0     0.0    3.8    0.0   499.7     0.0    SH1
 2574 - 10426    8 0   105  74.6   0.0    5.1    0.0   0.0     0.0    5.1    0.0   504.8     0.0    SH1
10426 -  2519    8 0   185  74.7   0.0    8.9    0.0   0.0     0.0    8.9    0.0   513.7     0.0    SH1
 2519 - 10660    8 0    71  74.7   0.0    3.4    0.0   0.0     0.0    3.4    0.0   517.1     0.0    SH 1
10660 -  2518    8 0   110  74.7   0.0    5.3    0.0   0.0     0.0    5.3    0.0   522.4     0.0    SH 1
 2518 - 10664    8 0   530  74.7   0.0   25.5    0.0   0.0     0.0   25.5    0.0   548.0     0.0    AVALON DRIVE
10664 -  3285    8 0   195  74.8   0.0    9.4    0.0   0.0     0.0    9.4    0.0   557.4     0.0    AVALON DRIVE
 3285 - 10428    8 0   149  74.8   0.0    7.2    0.0   0.0     0.0    7.2    0.0   564.5     0.0    AVALON DRIVE
10428 -  5113    8 0   491  74.8   0.0   23.6    0.0   0.0     0.0   23.6    0.0   588.2     0.0    AVALON DRIVE
 5113 -  6660   17 0    42  70.0   0.0    2.2    0.0   0.0     0.0    2.2    0.0   590.3     0.0    AVALON DRIVE
 6660 -  3483    8 0   785  75.1   0.0   37.6    0.0   0.0     0.0   37.6    0.0   628.0     0.0    AVALON DRIVE
 3483 -  3480    8 3   151  77.5   0.0    7.0    0.0  19.0     0.0   26.0    0.0   654.0     0.0    AVALON DRIVE
 3480 -  3487    8 0   197  78.6   0.0    9.0    0.0   0.0     0.0    9.0    0.0   663.0     0.0    WAIRERE DRIVE
 3487 -  3648    8 0    93  76.8   0.0    4.4    0.0   0.0     0.0    4.4    0.0   667.3     0.0    WAIRERE DRIVE
 3648 -  3644    8 3   109  78.4   0.0    5.0    0.0  18.0     0.0   23.0    0.0   690.4     0.0    WAIRERE DRIVE
 3644 -  3939    8 0   107  77.5   0.0    5.0    0.0   3.0     0.0    8.0    0.0   698.3     0.0    WAIRERE DRIVE
 3939 - 10675    8 0   546  75.1   0.0   26.2    0.0   0.0     0.0   26.2    0.0   724.5     0.0    WAIRERE DRIVE
10675 -  3652    8 0   761  75.1   0.0   36.5    0.0   0.0     0.0   36.5    0.0   761.0     0.0    WAIRERE DRIVE
 3652 -  3526    8 3   117  75.1   0.0    5.6    0.0  17.0     0.0   22.6    0.0   783.6     0.0    WAIRERE DRIVE
 3526 -  3502    8 4   563  76.6   0.0   26.5    0.0  13.0     0.0   39.5    0.0   823.0     0.0    WAIRERE DRIVE
 3502 -  3503    6 0    65  57.8   0.0    4.0    0.0   0.0     0.0    4.0    0.0   827.1     0.0    -- no name --
 3503 -  3505    6 0    63  57.8   0.0    3.9    0.0   0.0     0.0    3.9    0.0   831.0     0.0    -- no name --
 3505 -  3543    8 0   133  78.1   0.0    6.1    0.0   0.0     0.0    6.1    0.0   837.1     0.0    WAIRERE DRIVE
 3543 -  3563    8 0  1004  78.1   0.0   46.3    0.0   0.0     0.0   46.3    0.0   883.4     0.0    WAIRERE DRIVE
 3563 -  3558    7 3   112  68.9   0.0    5.9    0.0  16.0     0.0   21.9    0.0   905.3     0.0    WAIRERE DRIVE
 3558 -  3562    5 0    95  47.9   0.0    7.1    0.0   3.0     0.0   10.1    0.0   915.4     0.0    HUKANUI ROAD
 3562 -  4783    5 0    55  46.0   0.0    4.3    0.0   0.0     0.0    4.3    0.0   919.7     0.0    HUKANUI ROAD
 4783 -  7279    5 0    78  46.3   0.0    6.1    0.0   0.0     0.0    6.1    0.0   925.8     0.0    HUKANUI ROAD
 7279 -  7278    5 0   114  46.3   0.0    8.9    0.0   0.0     0.0    8.9    0.0   934.7     0.0    HUKANUI ROAD
 7278 -  7144    5 0   243  46.7   0.0   18.7    0.0   0.0     0.0   18.7    0.0   953.4     0.0    HUKANUI ROAD
 7144 -  6963    5 0    47  46.7   0.0    3.6    0.0   0.0     0.0    3.6    0.0   957.0     0.0    HUKANUI ROAD
 6963 -  2979    5 0    55  46.7   0.0    4.2    0.0   0.0     0.0    4.2    0.0   961.2     0.0    HUKANUI ROAD
 2979 -  3446    5 0   307  46.3   0.0   23.9    0.0   0.0     0.0   23.9    0.0   985.1     0.0    HUKANUI ROAD
 3446 -  2991    5 0   143  46.0   0.0   11.2    0.0   0.0     0.0   11.2    0.0   996.3     0.0    HUKANUI ROAD
 2991 -  6872    5 0    57  46.1   0.0    4.5    0.0   0.0     0.0    4.5    0.0  1000.8     0.0    HUKANUI ROAD
 6872 - 10401    5 0   365  46.1   0.0   28.5    0.0   0.0     0.0   28.5    0.0  1029.3     0.0    HUKANUI ROAD
10401 -  6870    5 0    37  46.6   0.0    2.9    0.0   0.0     0.0    2.9    0.0  1032.1     0.0    HUKANUI ROAD
 6870 -  7140    5 0    98  46.1   0.0    7.7    0.0   0.0     0.0    7.7    0.0  1039.8     0.0    HUKANUI ROAD
 7140 -  7137    5 0   263  46.1   0.0   20.5    0.0   0.0     0.0   20.5    0.0  1060.3     0.0    HUKANUI ROAD
```

7137	3710	5	0	343	46.2	0.0	26.7	0.0	0.0	0.0	26.7	0.0	1087.0	0.0	
3710	6691	5	3	127	46.1	0.0	9.9	0.0	10.0	0.0	19.9	0.0	1107.0	0.0	HUKANUI ROAD
6691	6693	14	0	98	41.3	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1115.5	0.0	PEACHGROVE ROAD
6693	4151	14	0	132	41.3	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1127.0	0.0	PEACHGROVE ROAD
4151	4998	14	0	261	41.7	0.0	22.5	0.0	0.0	0.0	22.5	0.0	1149.5	0.0	PEACHGROVE ROAD
4998	6760	14	0	138	41.6	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1161.5	0.0	PEACHGROVE ROAD
6760	5197	14	0	199	41.7	0.0	17.2	0.0	3.0	0.0	20.2	0.0	1181.7	0.0	PEACHGROVE ROAD
5197	4975	14	0	180	41.7	0.0	15.5	0.0	1.0	0.0	16.5	0.0	1198.2	0.0	PEACHGROVE ROAD
4975	6862	14	0	59	41.6	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1203.3	0.0	PEACHGROVE ROAD
6862	4927	14	0	54	41.4	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1208.0	0.0	PEACHGROVE ROAD
4927	3437	14	0	139	41.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1220.1	0.0	PEACHGROVE ROAD
3437	3439	14	3	18	41.4	0.0	1.6	0.0	9.0	0.0	10.6	0.0	1230.7	0.0	PEACHGROVE ROAD
3439	3007	14	0	135	41.6	0.0	11.7	0.0	0.0	0.0	11.7	0.0	1242.3	0.0	PEACHGROVE ROAD
3007	6925	14	0	127	41.8	0.0	10.9	0.0	0.0	0.0	10.9	0.0	1253.3	0.0	PEACHGROVE ROAD
6925	4107	14	0	307	41.7	0.0	26.5	0.0	0.0	0.0	26.5	0.0	1279.8	0.0	PEACHGROVE ROAD
4107	5318	14	0	113	41.7	0.0	9.8	0.0	2.0	0.0	11.8	0.0	1291.5	0.0	PEACHGROVE ROAD
5318	8205	14	0	86	40.9	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1299.1	0.0	PEACHGROVE ROAD
8205	8203	14	0	46	40.9	0.0	4.0	0.0	0.0	0.0	4.0	0.0	1303.2	0.0	PEACHGROVE ROAD
8203	10556	14	0	58	40.9	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1308.3	0.0	PEACHGROVE ROAD
10556	8240	14	0	143	40.9	0.0	12.6	0.0	0.0	0.0	12.6	0.0	1320.8	0.0	PEACHGROVE ROAD
8240	3367	14	6	39	42.8	0.0	3.3	0.0	10.0	0.0	13.3	0.0	1334.1	0.0	PEACHGROVE ROAD
3367	7454	14	0	77	43.0	0.0	6.4	0.0	1.0	0.0	7.4	0.0	1341.6	0.0	PEACHGROVE ROAD
7454	5086	14	0	133	43.0	0.0	11.1	0.0	1.0	0.0	12.1	0.0	1353.7	0.0	PEACHGROVE ROAD
5086	5085	14	0	95	43.0	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1361.7	0.0	PEACHGROVE ROAD
5085	5087	14	0	41	43.0	0.0	3.4	0.0	2.0	0.0	5.4	0.0	1367.1	0.0	PEACHGROVE ROAD
5087	10647	14	0	160	42.8	0.0	13.5	0.0	0.0	0.0	13.5	0.0	1380.5	0.0	PEACHGROVE ROAD
10647	5316	14	0	99	42.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1388.9	0.0	PEACHGROVE ROAD
5316	3055	14	0	83	42.8	0.0	7.0	0.0	1.0	0.0	8.0	0.0	1396.9	0.0	PEACHGROVE ROAD
3055	5084	14	0	183	42.8	0.0	15.4	0.0	0.0	0.0	15.4	0.0	1412.3	0.0	PEACHGROVE ROAD
5084	3058	14	0	182	42.8	0.0	15.3	0.0	0.0	0.0	15.3	0.0	1427.6	0.0	PEACHGROVE ROAD
3058	8236	14	0	37	42.8	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1430.7	0.0	PEACHGROVE ROAD
8236	3057	14	7	31	42.8	0.0	2.6	0.0	11.0	0.0	13.6	0.0	1444.3	0.0	PEACHGROVE ROAD
3057	8239	14	0	26	43.0	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1446.5	0.0	GALLOWAY STREET
8239	6723	14	0	232	43.0	0.0	19.4	0.0	0.0	0.0	19.4	0.0	1465.9	0.0	GALLOWAY STREET
6723	10644	14	0	98	42.8	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1474.1	0.0	GALLOWAY STREET
10644	6722	14	0	106	42.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1483.0	0.0	GALLOWAY STREET
6722	5120	14	0	92	42.8	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1490.8	0.0	GALLOWAY STREET
5120	5119	14	0	32	42.9	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1493.4	0.0	
5119	5121	14	0	121	43.1	0.0	10.1	0.0	0.0	0.0	10.1	0.0	1503.5	0.0	GALLOWAY STREET
5121	7895	14	0	155	43.0	0.0	13.0	0.0	0.0	0.0	13.0	0.0	1516.5	0.0	GALLOWAY STREET
7895	7894	14	7	91	43.0	0.0	7.6	0.0	28.0	0.0	35.6	0.0	1552.1	0.0	GALLOWAY STREET
7894	7897	14	0	240	44.1	0.0	19.6	0.0	1.0	0.0	20.6	0.0	1572.7	0.0	GALLOWAY STREET
7897	8676	14	0	128	43.7	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1583.3	0.0	GALLOWAY STREET
8676	3420	14	3	112	43.7	0.0	9.2	0.0	17.7	0.0	26.9	0.0	1610.2	0.0	GALLOWAY STREET

Modelled Totals	20693	46.3	1279.5	330.7	1610.2
Observed Totals		0.0	1574.3	76.7	1651.0

Observed Journey Time = 1651.00 Implied Average Speed = 45.1
Modelled Journey Time = 1610.21 Modelled Average Speed = 46.3
97.53% 102.53%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 34 Movement Analysis - times in seconds

R2WB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3420 - 8676	14	0	112	43.8	0.0	9.2	0.0	0.0	0.0	9.2	0.0	9.2	0.0	GALLOWAY STREET
8676 - 7897	14	0	128	43.8	0.0	10.5	0.0	1.0	0.0	11.5	0.0	20.7	0.0	GALLOWAY STREET
7897 - 7894	14	7	240	44.7	0.0	19.3	0.0	27.0	0.0	46.3	0.0	67.1	0.0	GALLOWAY STREET
7894 - 7895	14	0	91	43.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	74.7	0.0	GALLOWAY STREET
7895 - 5121	14	0	155	43.1	0.0	12.9	0.0	0.0	0.0	12.9	0.0	87.6	0.0	GALLOWAY STREET
5121 - 5119	14	0	121	43.1	0.0	10.1	0.0	0.0	0.0	10.1	0.0	97.7	0.0	GALLOWAY STREET
5119 - 5120	14	0	32	43.0	0.0	2.7	0.0	0.0	0.0	2.7	0.0	100.4	0.0	
5120 - 6722	14	0	92	42.9	0.0	7.7	0.0	1.0	0.0	8.7	0.0	109.1	0.0	GALLOWAY STREET
6722 - 10644	14	0	106	42.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	118.0	0.0	GALLOWAY STREET
10644 - 6723	14	0	98	42.8	0.0	8.2	0.0	1.0	0.0	9.2	0.0	127.2	0.0	GALLOWAY STREET
6723 - 8239	14	0	232	42.9	0.0	19.5	0.0	0.0	0.0	19.5	0.0	146.7	0.0	GALLOWAY STREET
8239 - 3057	14	7	26	42.9	0.0	2.2	0.0	11.0	0.0	13.2	0.0	159.9	0.0	GALLOWAY STREET
3057 - 8236	14	0	31	43.2	0.0	2.6	0.0	0.0	0.0	2.6	0.0	162.5	0.0	PEACHGROVE ROAD
8236 - 3058	14	0	37	42.4	0.0	3.1	0.0	0.0	0.0	3.1	0.0	165.6	0.0	PEACHGROVE ROAD
3058 - 5084	14	0	182	42.4	0.0	15.5	0.0	0.0	0.0	15.5	0.0	181.1	0.0	PEACHGROVE ROAD
5084 - 3055	14	0	183	42.4	0.0	15.5	0.0	1.0	0.0	16.5	0.0	197.6	0.0	PEACHGROVE ROAD
3055 - 5316	14	0	83	42.5	0.0	7.0	0.0	1.0	0.0	8.0	0.0	205.6	0.0	PEACHGROVE ROAD
5316 - 10647	14	0	99	42.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	214.0	0.0	PEACHGROVE ROAD
10647 - 5087	14	0	160	42.5	0.0	13.6	0.0	1.0	0.0	14.6	0.0	228.6	0.0	PEACHGROVE ROAD
5087 - 5085	14	0	41	42.7	0.0	3.5	0.0	1.0	0.0	4.5	0.0	233.0	0.0	PEACHGROVE ROAD
5085 - 5086	14	0	95	42.7	0.0	8.0	0.0	0.0	0.0	8.0	0.0	241.0	0.0	PEACHGROVE ROAD
5086 - 7454	14	0	133	42.7	0.0	11.2	0.0	0.0	0.0	11.2	0.0	252.3	0.0	PEACHGROVE ROAD
7454 - 3367	14	6	77	42.7	0.0	6.5	0.0	10.0	0.0	16.5	0.0	268.8	0.0	PEACHGROVE ROAD
3367 - 8240	14	0	39	40.7	0.0	3.4	0.0	0.0	0.0	3.4	0.0	272.2	0.0	PEACHGROVE ROAD
8240 - 10556	14	0	143	40.7	0.0	12.6	0.0	0.0	0.0	12.6	0.0	284.9	0.0	PEACHGROVE ROAD
10556 - 8203	14	0	58	40.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	290.0	0.0	PEACHGROVE ROAD
8203 - 8205	14	0	46	40.8	0.0	4.1	0.0	0.0	0.0	4.1	0.0	294.0	0.0	PEACHGROVE ROAD
8205 - 5318	14	0	86	40.8	0.0	7.6	0.0	1.0	0.0	8.6	0.0	302.6	0.0	PEACHGROVE ROAD
5318 - 4107	14	0	113	41.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	312.3	0.0	PEACHGROVE ROAD
4107 - 6925	14	0	307	41.8	0.0	26.4	0.0	1.0	0.0	27.4	0.0	339.8	0.0	PEACHGROVE ROAD
6925 - 3007	14	0	127	41.8	0.0	10.9	0.0	0.0	0.0	10.9	0.0	350.7	0.0	PEACHGROVE ROAD
3007 - 3439	14	3	135	41.7	0.0	11.7	0.0	9.0	0.0	20.7	0.0	371.4	0.0	PEACHGROVE ROAD
3439 - 3437	14	0	18	41.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	373.0	0.0	PEACHGROVE ROAD
3437 - 4927	14	0	139	41.2	0.0	12.1	0.0	1.0	0.0	13.1	0.0	386.1	0.0	PEACHGROVE ROAD
4927 - 6862	14	0	54	41.2	0.0	4.7	0.0	0.0	0.0	4.7	0.0	390.8	0.0	PEACHGROVE ROAD
6862 - 4975	14	0	59	41.4	0.0	5.1	0.0	1.0	0.0	6.1	0.0	396.9	0.0	PEACHGROVE ROAD
4975 - 5197	14	0	180	41.5	0.0	15.6	0.0	1.0	0.0	16.6	0.0	413.6	0.0	PEACHGROVE ROAD
5197 - 6760	14	0	199	41.6	0.0	17.2	0.0	0.0	0.0	17.2	0.0	430.8	0.0	PEACHGROVE ROAD
6760 - 4998	14	0	138	41.5	0.0	12.0	0.0	1.0	0.0	13.0	0.0	443.8	0.0	PEACHGROVE ROAD
4998 - 4151	14	0	261	41.6	0.0	22.6	0.0	0.0	0.0	22.6	0.0	466.3	0.0	PEACHGROVE ROAD
4151 - 6693	14	0	132	41.2	0.0	11.5	0.0	0.0	0.0	11.5	0.0	477.9	0.0	PEACHGROVE ROAD
6693 - 6691	14	3	98	41.2	0.0	8.6	0.0	10.0	0.0	18.6	0.0	496.4	0.0	PEACHGROVE ROAD
6691 - 3710	5	0	127	45.9	0.0	10.0	0.0	0.0	0.0	10.0	0.0	506.4	0.0	HUKANUI ROAD
3710 - 7137	5	0	343	45.9	0.0	26.9	0.0	0.0	0.0	26.9	0.0	533.3	0.0	
7137 - 7140	5	0	263	45.8	0.0	20.7	0.0	0.0	0.0	20.7	0.0	554.0	0.0	HUKANUI ROAD
7140 - 6870	5	0	98	45.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	561.7	0.0	HUKANUI ROAD
6870 - 10401	5	0	37	46.1	0.0	2.9	0.0	0.0	0.0	2.9	0.0	564.5	0.0	HUKANUI ROAD
10401 - 6872	5	0	365	46.1	0.0	28.5	0.0	0.0	0.0	28.5	0.0	593.1	0.0	HUKANUI ROAD
6872 - 2991	5	0	57	46.0	0.0	4.5	0.0	0.0	0.0	4.5	0.0	597.5	0.0	HUKANUI ROAD
2991 - 3446	5	0	143	46.0	0.0	11.2	0.0	0.0	0.0	11.2	0.0	608.7	0.0	HUKANUI ROAD
3446 - 2979	5	0	307	46.3	0.0	23.9	0.0	0.0	0.0	23.9	0.0	632.6	0.0	HUKANUI ROAD
2979 - 6963	5	0	55	46.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	636.8	0.0	HUKANUI ROAD
6963 - 7144	5	0	47	46.5	0.0	3.6	0.0	0.0	0.0	3.6	0.0	640.5	0.0	HUKANUI ROAD
7144 - 7278	5	0	243	46.5	0.0	18.8	0.0	0.0	0.0	18.8	0.0	659.3	0.0	HUKANUI ROAD
7278 - 7279	5	0	114	46.1	0.0	8.9	0.0	0.0	0.0	8.9	0.0	668.2	0.0	HUKANUI ROAD
7279 - 4783	5	0	78	46.1	0.0	6.1	0.0	0.0	0.0	6.1	0.0	674.3	0.0	HUKANUI ROAD
4783 - 3562	5	0	55	45.6	0.0	4.3	0.0	0.0	0.0	4.3	0.0	678.6	0.0	HUKANUI ROAD
3562 - 3558	5	3	95	47.7	0.0	7.2	0.0	7.0	0.0	14.2	0.0	692.8	0.0	HUKANUI ROAD
3558 - 3563	7	0	112	68.9	0.0	5.9	0.0	2.0	0.0	7.9	0.0	700.6	0.0	WAIRERE DRIVE
3563 - 3543	8	0	1004	78.2	0.0	46.2	0.0	0.0	0.0	46.2	0.0	746.9	0.0	WAIRERE DRIVE
3543 - 3505	8	4	133	78.2	0.0	6.1	0.0	14.0	0.0	20.1	0.0	767.0	0.0	WAIRERE DRIVE
3505 - 3502	6	0	67	57.8	0.0	4.2	0.0	2.0	0.0	6.2	0.0	773.2	0.0	-- no name --
3502 - 3526	8	3	563	76.7	0.0	26.4	0.0	18.0	0.0	44.4	0.0	817.6	0.0	WAIRERE DRIVE
3526 - 3652	8	0	117	75.5	0.0	5.6	0.0	0.0	0.0	5.6	0.0	823.2	0.0	WAIRERE DRIVE
3652 - 10675	8	0	761	75.5	0.0	36.3	0.0	0.0	0.0	36.3	0.0	859.4	0.0	WAIRERE DRIVE
10675 - 3939	8	0	546	75.5	0.0	26.0	0.0	0.0	0.0	26.0	0.0	885.5	0.0	WAIRERE DRIVE
3939 - 3644	8	3	107	77.7	0.0	5.0	0.0	17.0	0.0	22.0	0.0	907.4	0.0	WAIRERE DRIVE
3644 - 3648	8	0	109	78.4	0.0	5.0	0.0	3.0	0.0	8.0	0.0	915.4	0.0	WAIRERE DRIVE
3648 - 3487	8	0	93	76.9	0.0	4.4	0.0	0.0	0.0	4.4	0.0	919.8	0.0	WAIRERE DRIVE
3487 - 3480	8	3	197	78.4	0.0	9.0	0.0	20.0	0.0	29.0	0.0	948.8	0.0	WAIRERE DRIVE
3480 - 3483	8	0	151	77.6	0.0	7.0	0.0	3.0	0.0	10.0	0.0	958.8	0.0	AVALON DRIVE
3483 - 6660	8	0	785	75.4	0.0	37.5	0.0	0.0	0.0	37.5	0.0	996.3	0.0	AVALON DRIVE
6660 - 5113	17	0	42	70.2	0.0	2.2	0.0	0.0	0.0	2.2	0.0	998.5	0.0	AVALON DRIVE
5113 - 10428	8	0	491	75.0	0.0	23.6	0.0	0.0	0.0	23.6	0.0	1022.1	0.0	AVALON DRIVE
10428 - 3285	8	0	149	75.0	0.0	7.2	0.0	0.0	0.0	7.2	0.0	1029.2	0.0	AVALON DRIVE
3285 - 10664	8	0	195	74.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	1038.6	0.0	AVALON DRIVE
10664 - 2518	8	0	530	74.9	0.0	25.5	0.0	0.0	0.0	25.5	0.0	1064.0	0.0	AVALON DRIVE
2518 - 10660	8	0	110	74.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	1069.3	0.0	SH 1
10660 - 2519	8	0	71	74.9	0.0	3.4	0.0	0.0	0.0	3.4	0.0	1072.7	0.0	SH 1
2519 - 10426	8	0	185	75.0	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1081.6	0.0	SH1
10426 - 2574	8	0	105	74.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1086.7	0.0	SH1
2574 - 2525	8	0	79	74.9	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1090.5	0.0	SH1
2525 - 6661	8	0	141	74.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1097.3	0.0	AVALON DRIVE
6661 - 6658	8	0	151	74.9	0.0	7.3	0.0	0.0	0.0	7.3	0.0	1104.5	0.0	AVALON DRIVE
6658 - 2577	8	0	118	74.8	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1110.2	0.0	AVALON DRIVE
2577 - 6657	8	0	127	74.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1116.3	0.0	AVALON DRIVE
6657 - 4911	7	0	224	64.6	0.0	12.5	0.0	0.0	0.0	12.5	0.0	1128.8	0.0	AVALON DRIVE
4911 - 10657	7	0	98	64.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1134.3	0.0	AVALON DRIVE
10657 - 2657	7	0	109	64.3	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1140.4	0.0	AVALON DRIVE

2657	-	10530	7	0	103	64.4	0.0	5.8	0.0	0.0	0.0	5.8	0.0	1146.1	0.0	AVALON DRIVE
10530	-	3476	7	6	135	64.4	0.0	7.5	0.0	21.0	0.0	28.5	0.0	1174.7	0.0	AVALON DRIVE
3476	-	3267	7	0	57	63.7	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1177.9	0.0	LINCOLN STREET
3267	-	3266	7	0	117	63.7	0.0	6.6	0.0	0.0	0.0	6.6	0.0	1184.5	0.0	LINCOLN STREET
3266	-	8206	7	0	198	63.7	0.0	11.2	0.0	0.0	0.0	11.2	0.0	1195.7	0.0	LINCOLN STREET
8206	-	3456	15	6	21	43.8	0.0	1.7	0.0	36.0	0.0	37.7	0.0	1233.4	0.0	LINCOLN STREET
3456	-	3455	8	0	117	76.5	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1238.9	0.0	LINCOLN STREET
3455	-	10497	8	0	226	76.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1249.6	0.0	LINCOLN STREET
10497	-	8207	8	0	78	76.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1253.2	0.0	LINCOLN STREET
8207	-	4988	8	0	115	76.5	0.0	5.4	0.0	2.0	0.0	7.4	0.0	1260.6	0.0	LINCOLN STREET
4988	-	10496	8	0	175	76.5	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1268.9	0.0	LINCOLN STREET
10496	-	4756	8	0	102	76.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1273.7	0.0	LINCOLN STREET
4756	-	4755	8	0	69	78.1	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1276.9	0.0	LINCOLN STREET
4755	-	8211	7	0	37	68.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1278.8	0.0	LINCOLN STREET
8211	-	3376	5	6	16	48.5	0.0	1.2	0.0	29.0	0.0	30.2	0.0	1309.0	0.0	LINCOLN STREET
3376	-	8210	5	0	18	48.6	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1310.3	0.0	GREENWOOD STREET
8210	-	3377	8	0	299	78.4	0.0	13.7	0.0	0.0	0.0	13.7	0.0	1324.1	0.0	GREENWOOD STREET
3377	-	4757	8	3	342	78.5	0.0	15.7	0.0	18.0	0.0	33.7	0.0	1357.8	0.0	GREENWOOD STREET
4757	-	4758	8	0	158	76.8	0.0	7.4	0.0	0.0	0.0	7.4	0.0	1365.2	0.0	GREENWOOD STREET
4758	-	10650	8	0	239	76.8	0.0	11.2	0.0	0.0	0.0	11.2	0.0	1376.4	0.0	GREENWOOD STREET
10650	-	3177	8	0	417	77.0	0.0	19.5	0.0	0.0	0.0	19.5	0.0	1395.9	0.0	GREENWOOD STREET
3177	-	3917	8	0	321	76.9	0.0	15.0	0.0	0.0	0.0	15.0	0.0	1410.9	0.0	GREENWOOD STREET
3917	-	6938	7	0	117	66.6	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1417.2	0.0	KAHIKATEA DRIVE
6938	-	5194	7	0	80	66.6	0.0	4.3	0.0	2.0	0.0	6.3	0.0	1423.5	0.0	KAHIKATEA DRIVE
5194	-	4793	7	0	84	66.6	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1428.1	0.0	KAHIKATEA DRIVE
4793	-	3175	7	0	230	66.6	0.0	12.4	0.0	3.0	0.0	15.4	0.0	1443.5	0.0	SH 1
3175	-	4709	7	0	293	66.6	0.0	15.8	0.0	2.0	0.0	17.8	0.0	1461.3	0.0	SH 1
4709	-	5323	7	0	235	66.6	0.0	12.7	0.0	2.0	0.0	14.7	0.0	1476.1	0.0	KAHIKATEA DRIVE
5323	-	10639	7	0	118	66.7	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1482.4	0.0	KAHIKATEA DRIVE
10639	-	3683	7	0	64	66.7	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1485.9	0.0	KAHIKATEA DRIVE
3683	-	5253	7	0	68	66.7	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1489.5	0.0	KAHIKATEA DRIVE
5253	-	5251	7	0	58	66.7	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1492.7	0.0	KAHIKATEA DRIVE
5251	-	5351	7	0	88	66.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1497.4	0.0	KAHIKATEA DRIVE
5351	-	6683	7	0	181	66.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1507.2	0.0	KAHIKATEA DRIVE
6683	-	4514	6	0	108	55.8	0.0	7.0	0.0	0.0	0.0	7.0	0.0	1514.2	0.0	KAHIKATEA DRIVE
4514	-	2531	6	0	57	55.8	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1517.8	0.0	SH 1
2531	-	8248	6	0	68	55.8	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1522.2	0.0	SH 1
8248	-	4393	6	6	22	56.3	0.0	1.4	0.0	98.0	0.0	99.4	0.0	1621.6	0.0	SH 1
4393	-	4761	15	0	105	50.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1629.1	0.0	SH 3
4761	-	4762	15	0	98	50.7	0.0	7.0	0.0	0.0	0.0	7.0	0.0	1636.0	0.0	SH 3
4762	-	4764	15	0	30	50.7	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1638.2	0.0	SH 3
4764	-	4763	15	0	42	51.3	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1641.1	0.0	SH 3
4763	-	3770	15	3	143	51.3	0.0	10.0	0.0	12.7	0.0	22.7	0.0	1663.9	0.0	SH 3

Modelled Totals	20632	44.6	1272.2	391.7	1663.9
Observed Totals		0.0	1625.8	171.5	1797.3

Observed Journey Time = 1797.30 Implied Average Speed = 41.3
Modelled Journey Time = 1663.86 Modelled Average Speed = 44.6
92.58% 108.02%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 35 Movement Analysis - times in seconds

R3EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
5380 - 2582	5	0	192	47.9	0.0	14.4	0.0	0.0	0.0	14.4	0.0	14.4	0.0	WHATAWHATA ROAD
2582 - 3408	5	0	162	48.0	0.0	12.1	0.0	0.0	0.0	12.1	0.0	26.6	0.0	WHATAWHATA ROAD
3408 - 3465	5	4	10	50.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	27.3	0.0	
3465 - 3400	4	3	14	38.0	0.0	1.3	0.0	7.0	0.0	8.3	0.0	35.6	0.0	DINSDALE ROAD
3400 - 3459	15	0	70	51.8	0.0	4.9	0.0	0.0	0.0	4.9	0.0	40.5	0.0	RIFLE RANGE ROAD
3459 - 3402	15	0	27	51.9	0.0	1.9	0.0	2.0	0.0	3.9	0.0	44.4	0.0	SH 23
3402 - 3399	15	0	24	53.5	0.0	1.6	0.0	0.0	0.0	1.6	0.0	46.0	0.0	SH 23
3399 - 3270	15	0	87	53.4	0.0	5.9	0.0	0.0	0.0	5.9	0.0	51.8	0.0	SH 23
3270 - 7525	15	0	297	53.4	0.0	20.0	0.0	0.0	0.0	20.0	0.0	71.9	0.0	MASSEY STREET
7525 - 7524	15	0	123	53.4	0.0	8.3	0.0	0.0	0.0	8.3	0.0	80.2	0.0	MASSEY STREET
7524 - 7997	15	0	61	53.2	0.0	4.1	0.0	0.0	0.0	4.1	0.0	84.3	0.0	MASSEY STREET
7997 - 8095	15	0	142	53.2	0.0	9.6	0.0	0.0	0.0	9.6	0.0	93.9	0.0	MASSEY STREET
8095 - 7881	15	0	101	53.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	100.7	0.0	MASSEY STREET
7881 - 6875	15	0	75	53.1	0.0	5.1	0.0	0.0	0.0	5.1	0.0	105.8	0.0	MASSEY STREET
6875 - 4294	15	0	40	53.0	0.0	2.7	0.0	0.0	0.0	2.7	0.0	108.5	0.0	MASSEY STREET
4294 - 6853	15	0	75	53.0	0.0	5.1	0.0	0.0	0.0	5.1	0.0	113.6	0.0	MASSEY STREET
6853 - 3376	15	6	113	54.0	0.0	7.5	0.0	36.0	0.0	43.5	0.0	157.2	0.0	SH 23
3376 - 8209	15	0	18	53.5	0.0	1.2	0.0	0.0	0.0	1.2	0.0	158.4	0.0	MASSEY HALL OVERBRIDG
8209 - 6664	15	0	314	52.6	0.0	21.5	0.0	0.0	0.0	21.5	0.0	179.9	0.0	MASSEY HALL OVERBRIDG
6664 - 6665	15	6	57	52.6	0.0	3.9	0.0	10.0	0.0	13.9	0.0	193.8	0.0	MASSEY HALL OVERBRIDG
6665 - 10492	15	0	86	52.9	0.0	5.9	0.0	0.0	0.0	5.9	0.0	199.6	0.0	HALL STREET
10492 - 6869	15	0	14	52.7	0.0	1.0	0.0	0.0	0.0	1.0	0.0	200.6	0.0	HALL STREET
6869 - 6662	15	6	81	52.8	0.0	5.5	0.0	3.0	0.0	8.5	0.0	209.1	0.0	HALL STREET
6662 - 8216	5	0	228	48.9	0.0	16.8	0.0	0.0	0.0	16.8	0.0	225.9	0.0	HALL STREET
8216 - 3380	5	6	17	48.9	0.0	1.3	0.0	63.0	0.0	64.3	0.0	290.1	0.0	HALL STREET
3380 - 8215	5	0	16	48.9	0.0	1.2	0.0	0.0	0.0	1.2	0.0	291.3	0.0	MILL STREET
8215 - 3378	5	0	282	48.2	0.0	21.1	0.0	0.0	0.0	21.1	0.0	312.4	0.0	MILL STREET
3378 - 8220	5	0	183	48.0	0.0	13.7	0.0	0.0	0.0	13.7	0.0	326.1	0.0	MILL STREET
8220 - 3472	5	6	35	48.0	0.0	2.6	0.0	3.0	0.0	5.6	0.0	331.7	0.0	MILL STREET
3472 - 8218	5	0	36	48.1	0.0	2.7	0.0	0.0	0.0	2.7	0.0	334.4	0.0	MILL STREET
8218 - 3469	5	6	79	48.1	0.0	5.9	0.0	39.0	0.0	44.9	0.0	379.3	0.0	MILL STREET
3469 - 8221	15	0	21	53.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	380.7	0.0	MILL STREET
8221 - 3470	15	0	107	53.4	0.0	7.2	0.0	0.0	0.0	7.2	0.0	388.0	0.0	MILL STREET
3470 - 3129	15	6	122	53.4	0.0	8.2	0.0	24.0	0.0	32.2	0.0	420.2	0.0	MILL STREET
3129 - 4951	15	6	164	53.5	0.0	11.0	0.0	18.0	0.0	29.0	0.0	449.2	0.0	MILL STREET
4951 - 8249	5	0	24	45.2	0.0	1.9	0.0	0.0	0.0	1.9	0.0	451.1	0.0	BOUNDARY ROAD
8249 - 3953	5	0	36	45.2	0.0	2.9	0.0	0.0	0.0	2.9	0.0	454.0	0.0	BOUNDARY ROAD
3953 - 6739	5	0	413	45.2	0.0	32.9	0.0	0.0	0.0	32.9	0.0	486.9	0.0	BOUNDARY ROAD
6739 - 6736	5	0	159	45.5	0.0	12.6	0.0	0.0	0.0	12.6	0.0	499.5	0.0	BOUNDARY ROAD
6736 - 7928	5	0	127	45.8	0.0	10.0	0.0	0.0	0.0	10.0	0.0	509.5	0.0	BOUNDARY ROAD
7928 - 3012	5	3	204	45.8	0.0	16.0	0.0	9.0	0.0	25.0	0.0	534.5	0.0	BOUNDARY ROAD
3012 - 3013	5	0	500	47.3	0.0	38.1	0.0	0.0	0.0	38.1	0.0	572.5	0.0	BOUNDARY ROAD
3013 - 3439	5	3	314	47.4	0.0	23.8	0.0	11.0	0.0	34.8	0.0	607.4	0.0	BOUNDARY ROAD
3439 - 3438	5	0	104	48.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	615.2	0.0	FIFTH AVENUE
3438 - 6694	5	0	343	48.1	0.0	25.7	0.0	2.0	0.0	27.7	0.0	642.9	0.0	FIFTH AVENUE
6694 - 7732	5	0	138	48.1	0.0	10.3	0.0	2.9	0.0	13.2	0.0	656.1	0.0	FIFTH AVENUE
Modelled Totals	5835		32.0		426.2		229.9			656.1				
Observed Totals				0.0		546.0		80.9			626.9			

```
Observed Journey Time =   626.90     Implied Average Speed =  33.5
Modelled Journey Time =   656.09    Modelled Average Speed =  32.0
                        104.66%                              95.55%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 36 Movement Analysis - times in seconds

R3WB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4781 - 7732	5	0	175	48.5	0.0	13.0	0.0	2.0	0.0	15.0	0.0	15.0	0.0	FIFTH AVENUE
7732 - 6694	5	0	138	48.1	0.0	10.3	0.0	1.0	0.0	11.3	0.0	26.3	0.0	FIFTH AVENUE
6694 - 3438	5	0	343	48.1	0.0	25.7	0.0	0.0	0.0	25.7	0.0	52.0	0.0	FIFTH AVENUE
3438 - 3439	5	3	104	47.9	0.0	7.8	0.0	12.0	0.0	19.8	0.0	71.8	0.0	FIFTH AVENUE
3439 - 3013	5	0	314	47.6	0.0	23.7	0.0	0.0	0.0	23.7	0.0	95.6	0.0	BOUNDARY ROAD
3013 - 3012	5	3	500	47.5	0.0	37.9	0.0	11.0	0.0	48.9	0.0	144.4	0.0	BOUNDARY ROAD
3012 - 7928	5	0	204	45.7	0.0	16.1	0.0	0.0	0.0	16.1	0.0	160.5	0.0	BOUNDARY ROAD
7928 - 6736	5	0	127	45.7	0.0	10.0	0.0	0.0	0.0	10.0	0.0	170.5	0.0	BOUNDARY ROAD
6736 - 6739	5	0	159	45.1	0.0	12.7	0.0	0.0	0.0	12.7	0.0	183.2	0.0	BOUNDARY ROAD
6739 - 3953	5	0	413	44.7	0.0	33.3	0.0	0.0	0.0	33.3	0.0	216.5	0.0	BOUNDARY ROAD
3953 - 8249	5	0	36	44.7	0.0	2.9	0.0	0.0	0.0	2.9	0.0	219.4	0.0	BOUNDARY ROAD
8249 - 4951	5	6	24	45.9	0.0	1.9	0.0	43.0	0.0	44.9	0.0	264.3	0.0	BOUNDARY ROAD
4951 - 3129	15	6	164	53.2	0.0	11.1	0.0	10.0	0.0	21.1	0.0	285.4	0.0	MILL STREET
3129 - 3470	15	0	122	52.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	293.8	0.0	MILL STREET
3470 - 8221	15	0	107	52.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	301.2	0.0	MILL STREET
8221 - 3469	15	6	21	52.6	0.0	1.4	0.0	10.0	0.0	11.4	0.0	312.6	0.0	MILL STREET
3469 - 8218	5	0	79	46.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	318.7	0.0	MILL STREET
8218 - 3472	5	6	36	47.9	0.0	2.7	0.0	4.0	0.0	6.7	0.0	325.4	0.0	MILL STREET
3472 - 8220	5	0	35	47.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	328.0	0.0	MILL STREET
8220 - 3378	5	0	183	47.3	0.0	13.9	0.0	0.0	0.0	13.9	0.0	342.0	0.0	MILL STREET
3378 - 8215	5	0	282	47.4	0.0	21.4	0.0	0.0	0.0	21.4	0.0	363.4	0.0	MILL STREET
8215 - 3380	5	6	16	47.4	0.0	1.2	0.0	13.0	0.0	14.2	0.0	377.6	0.0	MILL STREET
3380 - 8216	5	0	17	48.4	0.0	1.3	0.0	0.0	0.0	1.3	0.0	378.9	0.0	HALL STREET
8216 - 6662	5	6	228	48.4	0.0	17.0	0.0	7.0	0.0	24.0	0.0	402.8	0.0	HALL STREET
6662 - 6869	15	0	81	53.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	408.3	0.0	HALL STREET
6869 - 10492	15	0	14	53.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	409.2	0.0	HALL STREET
10492 - 6665	15	6	86	53.8	0.0	5.8	0.0	20.0	0.0	25.8	0.0	435.0	0.0	HALL STREET
6665 - 6664	15	0	57	53.2	0.0	3.9	0.0	0.0	0.0	3.9	0.0	438.8	0.0	MASSEY HALL OVERBRIDG
6664 - 8209	15	0	314	53.2	0.0	21.2	0.0	0.0	0.0	21.2	0.0	460.1	0.0	MASSEY HALL OVERBRIDG
8209 - 3376	15	6	18	53.9	0.0	1.2	0.0	36.0	0.0	37.2	0.0	497.3	0.0	MASSEY HALL OVERBRIDG
3376 - 6853	15	0	113	53.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	504.8	0.0	SH 23
6853 - 4294	15	0	75	52.9	0.0	5.1	0.0	0.0	0.0	5.1	0.0	509.9	0.0	MASSEY STREET
4294 - 6875	15	0	40	52.8	0.0	2.7	0.0	0.0	0.0	2.7	0.0	512.6	0.0	MASSEY STREET
6875 - 7881	15	0	75	52.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	517.8	0.0	MASSEY STREET
7881 - 8095	15	0	101	53.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	524.6	0.0	MASSEY STREET
8095 - 7997	15	0	142	53.0	0.0	9.6	0.0	0.0	0.0	9.6	0.0	534.2	0.0	MASSEY STREET
7997 - 7524	15	0	61	53.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	538.4	0.0	MASSEY STREET
7524 - 7525	15	0	123	53.2	0.0	8.3	0.0	0.0	0.0	8.3	0.0	546.7	0.0	MASSEY STREET
7525 - 3270	15	0	297	53.2	0.0	20.1	0.0	0.0	0.0	20.1	0.0	566.8	0.0	MASSEY STREET
3270 - 3399	15	0	87	53.2	0.0	5.9	0.0	0.0	0.0	5.9	0.0	572.7	0.0	SH 23
3399 - 3402	15	0	24	52.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	574.3	0.0	SH 23
3402 - 3459	15	0	27	51.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	576.2	0.0	SH 23
3459 - 3400	15	3	70	51.9	0.0	4.9	0.0	12.0	0.0	16.9	0.0	593.1	0.0	RIFLE RANGE ROAD
3400 - 3408	5	0	13	47.9	0.0	1.0	0.0	0.0	0.0	1.0	0.0	594.0	0.0	WHATAWHATA ROAD
3408 - 2582	5	0	162	47.9	0.0	12.2	0.0	0.0	0.0	12.2	0.0	606.2	0.0	WHATAWHATA ROAD
2582 - 5380	5	0	192	47.7	0.0	14.5	0.0	0.4	0.0	14.9	0.0	621.1	0.0	WHATAWHATA ROAD
Modelled Totals	5999		34.8		439.7		181.4			621.1				
Observed Totals				0.0		612.8		92.7			705.5			

```
Observed Journey Time =   705.50     Implied Average Speed =  30.6
Modelled Journey Time =   621.11    Modelled Average Speed =  34.8
                          88.04%                             113.59%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 37 Movement Analysis - times in seconds

R4EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
7608 - 8482	15	0	116	53.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	7.7	0.0	ELLICOTT ROAD
8482 - 3909	15	0	158	53.8	0.0	10.6	0.0	0.0	0.0	10.6	0.0	18.3	0.0	ELLICOTT ROAD
3909 - 6653	15	0	217	53.8	0.0	14.5	0.0	0.0	0.0	14.5	0.0	32.8	0.0	ELLICOTT ROAD
6653 - 7011	15	0	61	53.6	0.0	4.1	0.0	0.0	0.0	4.1	0.0	36.9	0.0	ELLICOTT ROAD
7011 - 3476	15	7	179	52.9	0.0	12.2	0.0	47.0	0.0	59.2	0.0	96.1	0.0	ELLICOTT ROAD
3476 - 3267	7	0	57	63.7	0.0	3.2	0.0	0.0	0.0	3.2	0.0	99.3	0.0	LINCOLN STREET
3267 - 3266	7	0	117	63.7	0.0	6.6	0.0	0.0	0.0	6.6	0.0	106.0	0.0	LINCOLN STREET
3266 - 8206	7	0	198	63.7	0.0	11.2	0.0	0.0	0.0	11.2	0.0	117.1	0.0	LINCOLN STREET
8206 - 3456	15	6	21	43.8	0.0	1.7	0.0	34.0	0.0	35.7	0.0	152.9	0.0	LINCOLN STREET
3456 - 4721	13	0	337	33.1	0.0	36.7	0.0	0.0	0.0	36.7	0.0	189.5	0.0	NORTON ROAD
4721 - 7880	5	0	81	47.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	195.6	0.0	NORTON ROAD
7880 - 8060	5	0	81	47.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	201.7	0.0	NORTON ROAD
8060 - 7231	5	0	41	46.6	0.0	3.2	0.0	0.0	0.0	3.2	0.0	204.9	0.0	
7231 - 7915	5	0	39	47.4	0.0	3.0	0.0	0.0	0.0	3.0	0.0	207.9	0.0	NORTON ROAD
7915 - 7914	5	0	168	47.4	0.0	12.8	0.0	0.0	0.0	12.8	0.0	220.6	0.0	NORTON ROAD
7914 - 6897	5	0	24	47.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	222.4	0.0	
6897 - 10649	5	0	52	47.4	0.0	3.9	0.0	0.0	0.0	3.9	0.0	226.4	0.0	NORTON ROAD
10649 - 7906	5	0	40	47.4	0.0	3.0	0.0	0.0	0.0	3.0	0.0	229.4	0.0	NORTON ROAD
7906 - 7905	5	0	66	47.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	234.5	0.0	NORTON ROAD
7905 - 7237	5	0	31	48.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	236.8	0.0	NORTON ROAD
7237 - 7902	5	0	100	48.0	0.0	7.5	0.0	0.0	0.0	7.5	0.0	244.3	0.0	NORTON ROAD
7902 - 7901	5	0	89	48.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	251.0	0.0	NORTON ROAD
7901 - 6750	5	0	99	48.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	258.4	0.0	NORTON ROAD
6750 - 8217	5	0	24	48.0	0.0	1.8	0.0	0.0	0.0	1.8	0.0	260.2	0.0	NORTON ROAD
8217 - 3380	5	7	19	49.6	0.0	1.4	0.0	39.0	0.0	40.4	0.0	300.6	0.0	NORTON ROAD
3380 - 3379	5	0	13	49.2	0.0	1.0	0.0	0.0	0.0	1.0	0.0	301.5	0.0	
3379 - 3381	5	0	47	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	304.9	0.0	NORTON ROAD
3381 - 8244	5	0	69	49.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	310.0	0.0	NORTON ROAD
8244 - 3389	5	6	27	49.2	0.0	2.0	0.0	24.0	0.0	26.0	0.0	336.0	0.0	NORTON ROAD
3389 - 8243	5	0	31	49.3	0.0	2.3	0.0	0.0	0.0	2.3	0.0	338.2	0.0	NORTON ROAD
8243 - 3386	5	0	159	49.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	349.8	0.0	NORTON ROAD
3386 - 3382	4	3	68	39.3	0.0	6.2	0.0	5.0	0.0	11.2	0.0	361.1	0.0	NORTON ROAD
3382 - 3388	4	0	59	39.6	0.0	5.4	0.0	0.0	0.0	5.4	0.0	366.4	0.0	NORTON ROAD
3388 - 3126	4	0	185	39.6	0.0	16.8	0.0	0.0	0.0	16.8	0.0	383.3	0.0	NORTON ROAD
3126 - 3125	4	6	56	39.6	0.0	5.1	0.0	44.0	0.0	49.1	0.0	432.3	0.0	NORTON ROAD
3125 - 10716	5	0	131	46.7	0.0	10.1	0.0	0.0	0.0	10.1	0.0	442.4	0.0	TRISTRAM STREET
10716 - 6984	5	6	115	46.6	0.0	8.9	0.0	14.0	0.0	22.9	0.0	465.3	0.0	TRISTRAM STREET
6984 - 10472	4	0	117	39.1	0.0	10.8	0.0	0.0	0.0	10.8	0.0	476.1	0.0	BRYCE STREET
10472 - 7069	4	6	122	39.3	0.0	11.2	0.0	35.0	0.0	46.2	0.0	522.3	0.0	BRYCE STREET
7069 - 10462	13	0	41	31.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	526.9	0.0	BRYCE STREET
10462 - 7719	13	0	81	31.8	0.0	9.2	0.0	2.0	0.0	11.2	0.0	538.1	0.0	BRYCE STREET
7719 - 3448	13	6	125	31.5	0.0	14.3	0.0	46.0	0.0	60.3	0.0	598.4	0.0	BRYCE STREET
3448 - 3453	5	6	61	47.5	0.0	4.6	0.0	19.0	0.0	23.6	0.0	622.0	0.0	VICTORIA STREET
3453 - 9823	14	0	626	42.1	0.0	53.5	0.0	0.0	0.0	53.5	0.0	675.5	0.0	CLAUDELANDS ROAD
9823 - 3756	21	0	10	47.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	676.3	0.0	CLAUDELANDS ROAD
3756 - 3754	14	6	150	43.9	0.0	12.3	0.0	26.0	0.0	38.3	0.0	714.6	0.0	CLAUDELANDS ROAD
3754 - 3753	5	0	46	46.7	0.0	3.5	0.0	0.0	0.0	3.5	0.0	718.2	0.0	GREY STREET
3753 - 3752	5	3	83	46.7	0.0	6.4	0.0	11.0	0.0	17.4	0.0	735.6	0.0	GREY STREET
3752 - 7005	6	0	67	57.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	739.8	0.0	TE AROHA STREET
7005 - 6976	6	0	59	57.4	0.0	3.7	0.0	0.0	0.0	3.7	0.0	743.5	0.0	TE AROHA STREET
6976 - 7179	6	0	20	57.5	0.0	1.3	0.0	0.0	0.0	1.3	0.0	744.7	0.0	
7179 - 6744	6	0	104	57.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	751.2	0.0	TE AROHA STREET
6744 - 6745	6	0	147	57.5	0.0	9.2	0.0	0.0	0.0	9.2	0.0	760.4	0.0	TE AROHA STREET
6745 - 7474	6	0	96	57.5	0.0	6.0	0.0	0.0	0.0	6.0	0.0	766.4	0.0	TE AROHA STREET
7474 - 7472	6	0	52	57.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	769.7	0.0	TE AROHA STREET
7472 - 7473	6	0	121	58.0	0.0	7.5	0.0	0.0	0.0	7.5	0.0	777.2	0.0	TE AROHA STREET
7473 - 7476	6	0	121	58.0	0.0	7.5	0.0	0.0	0.0	7.5	0.0	784.7	0.0	TE AROHA STREET
7476 - 3367	6	7	57	58.0	0.0	3.5	0.0	29.0	0.0	32.5	0.0	817.2	0.0	TE AROHA STREET
3367 - 8241	6	0	27	58.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	818.9	0.0	RUAKURA ROAD
8241 - 3369	6	0	36	56.6	0.0	2.3	0.0	1.0	0.0	3.3	0.0	822.2	0.0	RUAKURA ROAD
3369 - 3023	6	0	168	56.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	832.9	0.0	RUAKURA ROAD
3023 - 4307	6	0	464	56.8	0.0	29.4	0.0	1.0	0.0	30.4	0.0	863.3	0.0	RUAKURA ROAD
4307 - 4308	6	0	221	56.8	0.0	14.0	0.0	0.0	0.0	14.0	0.0	877.3	0.0	RUAKURA ROAD
4308 - 3024	6	0	230	57.3	0.0	14.5	0.0	0.0	0.0	14.5	0.0	891.7	0.0	RUAKURA ROAD
3024 - 3025	6	3	414	57.3	0.0	26.0	0.0	10.0	0.0	36.0	0.0	927.7	0.0	RUAKURA ROAD
3025 - 3171	6	0	219	57.4	0.0	13.7	0.0	0.0	0.0	13.7	0.0	941.5	0.0	RUAKURA ROAD
3171 - 3961	6	0	20	57.4	0.0	1.3	0.0	0.0	0.0	1.3	0.0	942.7	0.0	
3961 - 6874	6	3	96	57.4	0.0	6.0	0.0	12.7	0.0	18.7	0.0	961.4	0.0	RUAKURA ROAD
Modelled Totals	7576		28.4		561.7		399.7		961.4					
Observed Totals				0.0		754.2		119.4		873.6				

```
Observed Journey Time =   873.60     Implied Average Speed =  31.2
Modelled Journey Time =   961.45    Modelled Average Speed =  28.4
                        110.06%                              90.86%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                  Gabites Porter |
|                                                                       Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 38 Movement Analysis - times in seconds

R4WB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
6874 - 3961	6	0	96	57.1	0.0	6.1	0.0	0.0	0.0	6.1	0.0	6.1	0.0	RUAKURA ROAD
3961 - 3171	6	0	20	57.1	0.0	1.3	0.0	0.0	0.0	1.3	0.0	7.3	0.0	
3171 - 3025	6	3	219	57.1	0.0	13.8	0.0	12.0	0.0	25.8	0.0	33.1	0.0	RUAKURA ROAD
3025 - 3024	6	0	414	56.8	0.0	26.2	0.0	0.0	0.0	26.2	0.0	59.4	0.0	RUAKURA ROAD
3024 - 4308	6	0	230	56.8	0.0	14.6	0.0	0.0	0.0	14.6	0.0	73.9	0.0	RUAKURA ROAD
4308 - 4307	6	0	221	56.3	0.0	14.1	0.0	2.0	0.0	16.1	0.0	90.1	0.0	RUAKURA ROAD
4307 - 3023	6	0	464	56.3	0.0	29.7	0.0	0.0	0.0	29.7	0.0	119.7	0.0	RUAKURA ROAD
3023 - 3369	6	0	168	56.1	0.0	10.8	0.0	0.0	0.0	10.8	0.0	130.5	0.0	RUAKURA ROAD
3369 - 8241	6	0	36	56.1	0.0	2.3	0.0	0.0	0.0	2.3	0.0	132.8	0.0	RUAKURA ROAD
8241 - 3367	6	7	27	56.1	0.0	1.7	0.0	8.0	0.0	9.7	0.0	142.6	0.0	RUAKURA ROAD
3367 - 7476	6	0	57	57.5	0.0	3.6	0.0	1.0	0.0	4.6	0.0	147.1	0.0	TE AROHA STREET
7476 - 7473	6	0	121	57.5	0.0	7.6	0.0	0.0	0.0	7.6	0.0	154.7	0.0	TE AROHA STREET
7473 - 7472	6	0	121	57.5	0.0	7.6	0.0	0.0	0.0	7.6	0.0	162.3	0.0	TE AROHA STREET
7472 - 7474	6	0	52	57.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	165.5	0.0	TE AROHA STREET
7474 - 6745	6	0	96	57.0	0.0	6.1	0.0	0.0	0.0	6.1	0.0	171.6	0.0	TE AROHA STREET
6745 - 6744	6	0	147	56.9	0.0	9.3	0.0	0.0	0.0	9.3	0.0	180.9	0.0	TE AROHA STREET
6744 - 7179	6	0	104	56.9	0.0	6.6	0.0	0.0	0.0	6.6	0.0	187.5	0.0	TE AROHA STREET
7179 - 6976	6	0	20	56.9	0.0	1.3	0.0	0.0	0.0	1.3	0.0	188.8	0.0	
6976 - 7005	6	0	59	56.9	0.0	3.7	0.0	0.0	0.0	3.7	0.0	192.5	0.0	TE AROHA STREET
7005 - 3752	6	3	67	57.3	0.0	4.2	0.0	18.0	0.0	22.2	0.0	214.7	0.0	TE AROHA STREET
3752 - 3753	5	0	83	47.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	221.0	0.0	GREY STREET
3753 - 3754	5	7	46	49.3	0.0	3.4	0.0	0.0	0.0	3.4	0.0	224.4	0.0	GREY STREET
3754 - 3756	14	0	150	43.2	0.0	12.5	0.0	0.0	0.0	12.5	0.0	236.9	0.0	CLAUDELANDS ROAD
3756 - 9823	21	0	10	46.6	0.0	0.8	0.0	0.0	0.0	0.8	0.0	237.7	0.0	CLAUDELANDS ROAD
9823 - 3453	14	7	626	41.8	0.0	53.9	0.0	22.0	0.0	75.9	0.0	313.6	0.0	CLAUDELANDS ROAD
3453 - 3448	5	7	61	49.0	0.0	4.5	0.0	51.0	0.0	55.5	0.0	369.1	0.0	VICTORIA STREET
3448 - 7719	13	0	125	34.3	0.0	13.1	0.0	0.0	0.0	13.1	0.0	382.2	0.0	BRYCE STREET
7719 - 10462	13	0	81	33.9	0.0	8.6	0.0	0.0	0.0	8.6	0.0	390.8	0.0	BRYCE STREET
10462 - 7069	13	6	41	33.8	0.0	4.4	0.0	34.0	0.0	38.4	0.0	429.2	0.0	BRYCE STREET
7069 - 10472	4	0	122	39.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	440.3	0.0	BRYCE STREET
10472 - 6984	4	6	117	39.1	0.0	10.8	0.0	31.0	0.0	41.8	0.0	482.1	0.0	BRYCE STREET
6984 - 10716	5	0	115	47.1	0.0	8.8	0.0	0.0	0.0	8.8	0.0	490.9	0.0	TRISTRAM STREET
10716 - 3125	5	6	131	47.2	0.0	10.0	0.0	11.0	0.0	21.0	0.0	511.9	0.0	TRISTRAM STREET
3125 - 3126	4	0	56	38.9	0.0	5.2	0.0	0.0	0.0	5.2	0.0	517.1	0.0	NORTON ROAD
3126 - 3388	4	0	185	38.9	0.0	17.1	0.0	0.0	0.0	17.1	0.0	534.2	0.0	NORTON ROAD
3388 - 3382	4	3	59	38.9	0.0	5.5	0.0	4.0	0.0	9.5	0.0	543.6	0.0	NORTON ROAD
3382 - 3386	4	0	68	39.4	0.0	6.2	0.0	0.0	0.0	6.2	0.0	549.9	0.0	NORTON ROAD
3386 - 8243	5	0	159	49.4	0.0	11.6	0.0	0.0	0.0	11.6	0.0	561.4	0.0	NORTON ROAD
8243 - 3389	5	6	31	49.4	0.0	2.3	0.0	23.0	0.0	25.3	0.0	586.7	0.0	NORTON ROAD
3389 - 8244	5	0	27	49.4	0.0	2.0	0.0	0.0	0.0	2.0	0.0	588.7	0.0	NORTON ROAD
8244 - 3381	5	0	69	49.1	0.0	5.1	0.0	0.0	0.0	5.1	0.0	593.7	0.0	NORTON ROAD
3381 - 3379	5	0	47	49.0	0.0	3.5	0.0	0.0	0.0	3.5	0.0	597.2	0.0	NORTON ROAD
3379 - 3380	5	7	13	49.0	0.0	1.0	0.0	39.0	0.0	40.0	0.0	637.1	0.0	
3380 - 8217	5	0	19	47.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	638.6	0.0	NORTON ROAD
8217 - 6750	5	0	24	47.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	640.4	0.0	NORTON ROAD
6750 - 7901	5	0	99	47.4	0.0	7.5	0.0	0.0	0.0	7.5	0.0	647.9	0.0	NORTON ROAD
7901 - 7902	5	0	89	47.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	654.7	0.0	NORTON ROAD
7902 - 7237	5	0	100	47.4	0.0	7.6	0.0	0.0	0.0	7.6	0.0	662.3	0.0	NORTON ROAD
7237 - 7905	5	0	31	47.4	0.0	2.4	0.0	0.0	0.0	2.4	0.0	664.6	0.0	NORTON ROAD
7905 - 7906	5	0	66	45.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	669.9	0.0	NORTON ROAD
7906 - 10649	5	0	40	45.7	0.0	3.2	0.0	0.0	0.0	3.2	0.0	673.0	0.0	NORTON ROAD
10649 - 6897	5	0	52	45.7	0.0	4.1	0.0	0.0	0.0	4.1	0.0	677.1	0.0	NORTON ROAD
6897 - 7914	5	0	24	45.7	0.0	1.9	0.0	0.0	0.0	1.9	0.0	679.0	0.0	
7914 - 7915	5	0	168	45.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	692.2	0.0	NORTON ROAD
7915 - 7231	5	0	39	45.7	0.0	3.1	0.0	0.0	0.0	3.1	0.0	695.3	0.0	NORTON ROAD
7231 - 8060	5	0	41	44.8	0.0	3.3	0.0	0.0	0.0	3.3	0.0	698.6	0.0	
8060 - 7880	5	0	81	46.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	704.9	0.0	NORTON ROAD
7880 - 4721	5	0	81	46.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	711.3	0.0	NORTON ROAD
4721 - 3456	13	6	337	31.2	0.0	38.9	0.0	49.0	0.0	87.9	0.0	799.2	0.0	NORTON ROAD
3456 - 8206	15	0	21	48.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	800.7	0.0	LINCOLN STREET
8206 - 3266	7	0	198	60.7	0.0	11.7	0.0	0.0	0.0	11.7	0.0	812.4	0.0	LINCOLN STREET
3266 - 3267	7	0	117	60.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	819.4	0.0	LINCOLN STREET
3267 - 3476	7	6	57	60.7	0.0	3.4	0.0	24.0	0.0	27.4	0.0	846.8	0.0	LINCOLN STREET
3476 - 7011	15	0	179	53.1	0.0	12.1	0.0	0.0	0.0	12.1	0.0	858.9	0.0	ELLICOTT ROAD
7011 - 6653	15	0	61	53.4	0.0	4.1	0.0	0.0	0.0	4.1	0.0	863.0	0.0	ELLICOTT ROAD
6653 - 3909	15	0	217	53.6	0.0	14.6	0.0	0.0	0.0	14.6	0.0	877.6	0.0	ELLICOTT ROAD
3909 - 8482	15	0	158	53.6	0.0	10.6	0.0	0.0	0.0	10.6	0.0	888.2	0.0	ELLICOTT ROAD
8482 - 7608	15	0	116	53.7	0.0	7.8	0.0	0.7	0.0	8.5	0.0	896.7	0.0	ELLICOTT ROAD
Modelled Totals	7576		30.4		567.0		329.7			896.7				
Observed Totals				0.0		708.0		63.6			771.6			

```
Observed Journey Time =   771.60     Implied Average Speed =  35.3
Modelled Journey Time =   896.68    Modelled Average Speed =  30.4
                         116.21%                             86.05%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 39 Movement Analysis - times in seconds

R5NB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3301 - 11496    6 0    80  57.1   0.0    5.0    0.0   0.0     0.0    5.0    0.0     5.0     0.0    OHAUPO ROAD
11496 -  2667    6 6   195  57.1   0.0   12.3    0.0  19.0     0.0   31.3    0.0    36.3     0.0    OHAUPO ROAD
 2667 -  2665    6 0    71  56.7   0.0    4.5    0.0   0.0     0.0    4.5    0.0    40.8     0.0    SH 3
 2665 -  7301    6 0   139  56.8   0.0    8.8    0.0   0.0     0.0    8.8    0.0    49.7     0.0    SH 3
 7301 -  7078    6 0    85  56.8   0.0    5.4    0.0   0.0     0.0    5.4    0.0    55.0     0.0    SH3
 7078 - 10636    6 0    81  56.8   0.0    5.1    0.0   0.0     0.0    5.1    0.0    60.2     0.0    SH 3
10636 -  3095    6 0    83  56.8   0.0    5.3    0.0   0.0     0.0    5.3    0.0    65.4     0.0    SH 3
 3095 -  2663   15 0   102  52.0   0.0    7.1    0.0   0.0     0.0    7.1    0.0    72.5     0.0    SH 3
 2663 -  3143   15 0    99  52.0   0.0    6.9    0.0   0.0     0.0    6.9    0.0    79.4     0.0    OHAUPO ROAD
 3143 -  3770   15 3    38  51.9   0.0    2.6    0.0  11.0     0.0   13.6    0.0    93.0     0.0    SH 3
 3770 -  7007   15 0    40  53.9   0.0    2.7    0.0   0.0     0.0    2.7    0.0    95.7     0.0    NORMANDY AVENUE
 7007 -  4233   15 0   285  53.9   0.0   19.0    0.0   0.0     0.0   19.0    0.0   114.7     0.0    NORMANDY AVENUE
 4233 - 10640   15 0    93  53.7   0.0    6.2    0.0   0.0     0.0    6.2    0.0   120.9     0.0    NORMANDY AVENUE
10640 -  2646   15 0    82  53.7   0.0    5.5    0.0   0.0     0.0    5.5    0.0   126.4     0.0    NORMANDY AVENUE
 2646 -  2647   15 0    42  53.6   0.0    2.8    0.0   0.0     0.0    2.8    0.0   129.2     0.0    NORMANDY AVENUE
 2647 -  8214   15 0   109  53.2   0.0    7.4    0.0   0.0     0.0    7.4    0.0   136.6     0.0    NORMANDY AVENUE
 8214 -  4754   15 7    18  53.2   0.0    1.2    0.0  28.0     0.0   29.2    0.0   165.8     0.0    NORMANDY AVENUE
 4754 -  8212   15 0    21  53.3   0.0    1.4    0.0   0.0     0.0    1.4    0.0   167.3     0.0    NORMANDY AVENUE
 8212 -  3679   15 0   313  52.4   0.0   21.5    0.0   0.0     0.0   21.5    0.0   188.8     0.0    NORMANDY AVENUE
 3679 -  5646   15 0    85  52.8   0.0    5.8    0.0   0.0     0.0    5.8    0.0   194.6     0.0    NORMANDY AVENUE
 5646 -  9799   15 2   187  52.8   0.0   12.8    0.0   6.0     0.0   18.8    0.0   213.3     0.0    COBHAM DRIVE
 9799 - 10483    7 0   217  68.0   0.0   11.5    0.0   0.0     0.0   11.5    0.0   224.8     0.0    COBHAM DRIVE
10483 -  3672    7 0   264  68.0   0.0   14.0    0.0   0.0     0.0   14.0    0.0   238.8     0.0    COBHAM DRIVE
 3672 -  3936    7 0   408  68.0   0.0   21.6    0.0   0.0     0.0   21.6    0.0   260.4     0.0    COBHAM DRIVE
 3936 -  8194   15 0    24  52.8   0.0    1.6    0.0   0.0     0.0    1.6    0.0   262.0     0.0    COBHAM DRIVE
 8194 -  3370   15 3    58  52.8   0.0    4.0    0.0   9.0     0.0   13.0    0.0   275.0     0.0    COBHAM DRIVE
 3370 -  3397   15 0   155  52.1   0.0   10.7    0.0   0.0     0.0   10.7    0.0   285.7     0.0    TRISTRAM STREET
 3397 -  4766   15 3   231  52.1   0.0   16.0    0.0  11.0     0.0   27.0    0.0   312.6     0.0    TRISTRAM STREET
 4766 -  3631    5 0   186  45.6   0.0   14.7    0.0   0.0     0.0   14.7    0.0   327.3     0.0    TRISTRAM STREET
 3631 -  3390    5 3    52  45.6   0.0    4.1    0.0   9.0     0.0   13.1    0.0   340.4     0.0    TRISTRAM STREET
 3390 -  3060    5 0    86  46.6   0.0    6.6    0.0   0.0     0.0    6.6    0.0   347.1     0.0    TRISTRAM STREET
 3060 - 10473    5 0    27  46.6   0.0    2.1    0.0   0.0     0.0    2.1    0.0   349.2     0.0    TRISTRAM STREET
10473 -  3059    5 0    21  46.5   0.0    1.6    0.0   0.0     0.0    1.6    0.0   350.8     0.0    TRISTRAM STREET
 3059 -  6684    5 0    62  46.5   0.0    4.8    0.0   0.0     0.0    4.8    0.0   355.6     0.0    TRISTRAM STREET
 6684 -  7222    4 0    85  36.8   0.0    8.3    0.0   0.0     0.0    8.3    0.0   363.9     0.0    TRISTRAM STREET
 7222 -  8252    5 0    42  46.8   0.0    3.2    0.0   0.0     0.0    3.2    0.0   367.1     0.0    TRISTRAM STREET
 8252 -  3232    4 7    22  37.1   0.0    2.1    0.0  20.0     0.0   22.1    0.0   389.3     0.0    TRISTRAM STREET
 3232 -  3233    5 0    65  47.2   0.0    5.0    0.0   0.0     0.0    5.0    0.0   394.2     0.0    TRISTRAM STREET
 3233 -  6984    5 0    57  47.2   0.0    4.3    0.0  11.0     0.0   15.3    0.0   409.6     0.0    TRISTRAM STREET
 6984 - 10716    5 0   115  47.1   0.0    8.8    0.0   0.0     0.0    8.8    0.0   418.4     0.0    TRISTRAM STREET
10716 -  3125    5 6   131  47.2   0.0   10.0    0.0  11.0     0.0   21.0    0.0   439.3     0.0    TRISTRAM STREET
 3125 -  3124    5 0    54  48.0   0.0    4.1    0.0   0.0     0.0    4.1    0.0   443.4     0.0    TRISTRAM STREET
 3124 -  6687    5 3   183  48.0   0.0   13.7    0.0  10.0     0.0   23.7    0.0   467.1     0.0    TRISTRAM STREET
 6687 -  9785    5 0   229  47.1   0.0   17.5    0.0   0.0     0.0   17.5    0.0   484.6     0.0    TRISTRAM STREET
 9785 -  6729    5 0    15  47.1   0.0    1.1    0.0   0.0     0.0    1.1    0.0   485.8     0.0    TRISTRAM STREET
 6729 -  3473    5 0    82  46.9   0.0    6.3    0.0   0.0     0.0    6.3    0.0   492.1     0.0    TRISTRAM STREET
 3473 -  3472    5 6    25  48.0   0.0    1.9    0.0  42.0     0.0   43.9    0.0   535.9     0.0    TRISTRAM STREET
 3472 -  8219   14 0    34  43.6   0.0    2.8    0.0   0.0     0.0    2.8    0.0   538.8     0.0    ABBOTSFORD STREET
 8219 - 10511    4 0   204  38.6   0.0   19.0    0.0   0.0     0.0   19.0    0.0   557.8     0.0    ABBOTSFORD STREET
10511 -  6728    4 5   104  38.6   0.0    9.7    0.0  12.0     0.0   21.7    0.0   579.5     0.0    ABBOTSFORD STREET
 6728 - 10512    5 0    52  48.4   0.0    3.9    0.0   0.0     0.0    3.9    0.0   583.3     0.0    WILLOUGHBY STREET
10512 -  4759    5 4   429  48.5   0.0   31.8    0.0  10.8     0.0   42.6    0.0   626.0     0.0    WILLOUGHBY STREET

Modelled Totals     5967  34.3        416.2        209.8          626.0
Observed Totals                 0.0         556.1         106.9         663.0

Observed Journey Time =   663.00     Implied Average Speed =  32.4
Modelled Journey Time =   625.99    Modelled Average Speed =  34.3
                          94.42%                            105.91%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 40 Movement Analysis - times in seconds

R5SB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4759 - 10512	5	0	429	49.8	0.0	31.0	0.0	0.0	0.0	31.0	0.0	31.0	0.0	WILLOUGHBY STREET
10512 - 6728	5	0	52	49.6	0.0	3.8	0.0	0.0	0.0	3.8	0.0	34.8	0.0	WILLOUGHBY STREET
6728 - 10511	4	0	104	40.0	0.0	9.4	0.0	0.0	0.0	9.4	0.0	44.1	0.0	ABBOTSFORD STREET
10511 - 8219	4	0	204	40.0	0.0	18.4	0.0	0.0	0.0	18.4	0.0	62.5	0.0	ABBOTSFORD STREET
8219 - 8218	3	5	50	30.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	68.5	0.0	
8218 - 3473	5	2	55	47.8	0.0	4.1	0.0	4.0	0.0	8.1	0.0	76.6	0.0	
3473 - 6729	5	0	82	47.4	0.0	6.2	0.0	0.0	0.0	6.2	0.0	82.9	0.0	TRISTRAM STREET
6729 - 9785	5	0	15	47.3	0.0	1.1	0.0	0.0	0.0	1.1	0.0	84.0	0.0	TRISTRAM STREET
9785 - 6687	5	3	229	47.2	0.0	17.5	0.0	10.0	0.0	27.5	0.0	111.5	0.0	TRISTRAM STREET
6687 - 3124	5	0	183	46.9	0.0	14.0	0.0	0.0	0.0	14.0	0.0	125.5	0.0	TRISTRAM STREET
3124 - 3125	5	6	54	46.9	0.0	4.1	0.0	11.0	0.0	15.1	0.0	140.7	0.0	TRISTRAM STREET
3125 - 10716	5	0	131	46.7	0.0	10.1	0.0	0.0	0.0	10.1	0.0	150.8	0.0	TRISTRAM STREET
10716 - 6984	5	6	115	46.6	0.0	8.9	0.0	12.0	0.0	20.9	0.0	171.7	0.0	TRISTRAM STREET
6984 - 3233	5	0	57	46.8	0.0	4.4	0.0	0.0	0.0	4.4	0.0	176.0	0.0	TRISTRAM STREET
3233 - 3232	5	7	65	46.8	0.0	5.0	0.0	20.0	0.0	25.0	0.0	201.0	0.0	TRISTRAM STREET
3232 - 8252	4	0	22	36.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	203.2	0.0	TRISTRAM STREET
8252 - 7222	5	0	42	45.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	206.5	0.0	TRISTRAM STREET
7222 - 6684	4	0	85	35.0	0.0	8.7	0.0	0.0	0.0	8.7	0.0	215.3	0.0	TRISTRAM STREET
6684 - 3059	5	0	62	45.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	220.2	0.0	TRISTRAM STREET
3059 - 10473	5	0	21	45.5	0.0	1.7	0.0	0.0	0.0	1.7	0.0	221.8	0.0	TRISTRAM STREET
10473 - 3060	5	0	27	45.5	0.0	2.1	0.0	0.0	0.0	2.1	0.0	224.0	0.0	TRISTRAM STREET
3060 - 3390	5	3	86	45.6	0.0	6.8	0.0	10.0	0.0	16.8	0.0	240.8	0.0	TRISTRAM STREET
3390 - 3631	5	0	52	44.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	245.0	0.0	TRISTRAM STREET
3631 - 4766	5	3	186	44.5	0.0	15.0	0.0	11.0	0.0	26.0	0.0	271.0	0.0	TRISTRAM STREET
4766 - 3397	15	0	231	50.6	0.0	16.4	0.0	0.0	0.0	16.4	0.0	287.4	0.0	TRISTRAM STREET
3397 - 3370	15	3	155	50.7	0.0	11.0	0.0	12.0	0.0	23.0	0.0	310.5	0.0	TRISTRAM STREET
3370 - 8194	15	0	58	53.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	314.4	0.0	COBHAM DRIVE
8194 - 3936	15	0	24	52.3	0.0	1.7	0.0	0.0	0.0	1.7	0.0	316.0	0.0	COBHAM DRIVE
3936 - 3672	7	0	408	67.6	0.0	21.7	0.0	0.0	0.0	21.7	0.0	337.7	0.0	COBHAM DRIVE
3672 - 10483	7	0	264	67.4	0.0	14.1	0.0	0.0	0.0	14.1	0.0	351.8	0.0	COBHAM DRIVE
10483 - 3677	7	0	298	67.4	0.0	15.9	0.0	0.0	0.0	15.9	0.0	367.8	0.0	COBHAM DRIVE
3677 - 3676	7	6	131	67.4	0.0	7.0	0.0	31.0	0.0	38.0	0.0	405.7	0.0	COBHAM DRIVE
3676 - 3679	15	0	92	53.5	0.0	6.2	0.0	0.0	0.0	6.2	0.0	411.9	0.0	NORMANDY AVENUE
3679 - 8212	15	0	313	51.7	0.0	21.8	0.0	0.0	0.0	21.8	0.0	433.7	0.0	NORMANDY AVENUE
8212 - 4754	15	7	21	51.7	0.0	1.5	0.0	4.0	0.0	5.5	0.0	439.2	0.0	NORMANDY AVENUE
4754 - 8214	15	0	18	52.7	0.0	1.2	0.0	0.0	0.0	1.2	0.0	440.4	0.0	NORMANDY AVENUE
8214 - 2647	15	0	109	52.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	447.9	0.0	NORMANDY AVENUE
2647 - 2646	15	0	42	53.3	0.0	2.8	0.0	0.0	0.0	2.8	0.0	450.7	0.0	NORMANDY AVENUE
2646 - 10640	15	0	82	53.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	456.2	0.0	NORMANDY AVENUE
10640 - 4233	15	0	93	53.3	0.0	6.3	0.0	0.0	0.0	6.3	0.0	462.5	0.0	NORMANDY AVENUE
4233 - 7007	15	0	285	53.4	0.0	19.2	0.0	0.0	0.0	19.2	0.0	481.7	0.0	NORMANDY AVENUE
7007 - 3770	15	3	40	53.6	0.0	2.7	0.0	12.0	0.0	14.7	0.0	496.4	0.0	NORMANDY AVENUE
3770 - 3143	15	0	38	52.1	0.0	2.6	0.0	0.0	0.0	2.6	0.0	499.1	0.0	SH 3
3143 - 2663	15	0	99	52.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	505.9	0.0	OHAUPO ROAD
2663 - 3095	15	0	102	52.1	0.0	7.0	0.0	0.0	0.0	7.0	0.0	512.9	0.0	SH 3
3095 - 10636	6	0	83	56.7	0.0	5.3	0.0	0.0	0.0	5.3	0.0	518.2	0.0	SH 3
10636 - 7078	6	0	81	56.7	0.0	5.1	0.0	0.0	0.0	5.1	0.0	523.4	0.0	SH 3
7078 - 7301	6	0	85	56.7	0.0	5.4	0.0	0.0	0.0	5.4	0.0	528.8	0.0	SH3
7301 - 2665	6	0	139	56.7	0.0	8.8	0.0	0.0	0.0	8.8	0.0	537.6	0.0	SH 3
2665 - 2667	6	6	71	56.6	0.0	4.5	0.0	5.0	0.0	9.5	0.0	547.1	0.0	SH 3
2667 - 11496	6	0	195	57.1	0.0	12.3	0.0	0.0	0.0	12.3	0.0	559.4	0.0	OHAUPO ROAD
11496 - 3301	6	3	80	57.1	0.0	5.0	0.0	8.3	0.0	13.3	0.0	572.7	0.0	OHAUPO ROAD
Modelled Totals	6045		38.0		422.4		150.3		572.7					
Observed Totals				0.0		572.6		77.6		650.2				

```
      +++ Links with No Traffic in journey: R5SB

Observed Journey Time =   650.20     Implied Average Speed =  33.5
Modelled Journey Time =   572.73    Modelled Average Speed =  38.0
                          88.09%                             113.53%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 41 Movement Analysis - times in seconds

R6aEB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4768 - 4769	15	6	156	54.0	0.0	10.4	0.0	65.0	0.0	75.4	0.0	75.4	0.0	VICTORIA STREET
4769 - 4907	21	0	15	45.1	0.0	1.2	0.0	0.0	0.0	1.2	0.0	76.6	0.0	
4907 - 3606	4	0	146	34.6	0.0	15.2	0.0	0.0	0.0	15.2	0.0	91.8	0.0	FAIRFIELD BRIDGE
3606 - 3605	4	3	50	34.6	0.0	5.2	0.0	14.0	0.0	19.2	0.0	111.0	0.0	FAIRFIELD BRIDGE
3605 - 7074	6	0	59	55.6	0.0	3.8	0.0	0.0	0.0	3.8	0.0	114.8	0.0	RIVER ROAD
7074 - 7105	6	0	352	56.1	0.0	22.6	0.0	0.0	0.0	22.6	0.0	137.4	0.0	RIVER ROAD
7105 - 6677	6	0	82	56.1	0.0	5.3	0.0	14.0	0.0	19.3	0.0	156.7	0.0	RIVER ROAD
6677 - 3112	6	0	262	58.9	0.0	16.0	0.0	2.0	0.0	18.0	0.0	174.7	0.0	CLARKIN ROAD
3112 - 7254	6	0	211	58.9	0.0	12.9	0.0	1.0	0.0	13.9	0.0	188.6	0.0	CLARKIN ROAD
7254 - 6606	6	0	139	58.9	0.0	8.5	0.0	1.0	0.0	9.5	0.0	198.1	0.0	CLARKIN ROAD
6606 - 6605	6	0	68	58.8	0.0	4.2	0.0	2.0	0.0	6.2	0.0	204.2	0.0	CLARKIN ROAD
6605 - 7740	6	0	172	58.8	0.0	10.5	0.0	2.0	0.0	12.5	0.0	216.8	0.0	CLARKIN ROAD
7740 - 6906	6	0	106	58.7	0.0	6.5	0.0	0.0	0.0	6.5	0.0	223.3	0.0	CLARKIN ROAD
6906 - 3707	6	0	92	57.7	0.0	5.7	0.0	9.0	0.0	14.7	0.0	238.0	0.0	CLARKIN ROAD
3707 - 7738	5	0	184	47.3	0.0	14.0	0.0	0.0	0.0	14.0	0.0	252.0	0.0	HEAPHY TERRACE
7738 - 6751	5	0	132	47.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	262.1	0.0	HEAPHY TERRACE
6751 - 3703	5	0	176	47.1	0.0	13.5	0.0	0.0	0.0	13.5	0.0	275.5	0.0	HEAPHY TERRACE
3703 - 7924	5	0	114	47.0	0.0	8.7	0.0	0.0	0.0	8.7	0.0	284.2	0.0	HEAPHY TERRACE
7924 - 7013	5	0	32	47.2	0.0	2.4	0.0	0.0	0.0	2.4	0.0	286.7	0.0	HEAPHY TERRACE
7013 - 7923	5	0	70	47.0	0.0	5.4	0.0	0.0	0.0	5.4	0.0	292.0	0.0	HEAPHY TERRACE
7923 - 7921	5	0	19	46.7	0.0	1.5	0.0	0.0	0.0	1.5	0.0	293.5	0.0	
7921 - 7925	5	0	94	46.6	0.0	7.3	0.0	0.0	0.0	7.3	0.0	300.8	0.0	HEAPHY TERRACE
7925 - 7919	5	0	7	46.6	0.0	0.5	0.0	0.0	0.0	0.5	0.0	301.3	0.0	
7919 - 4961	5	0	100	46.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	309.1	0.0	HEAPHY TERRACE
4961 - 4955	5	0	100	46.4	0.0	7.8	0.0	1.0	0.0	8.8	0.0	317.8	0.0	HEAPHY TERRACE
4955 - 4132	5	0	22	46.4	0.0	1.7	0.0	1.0	0.0	2.7	0.0	320.5	0.0	
4132 - 3012	5	3	141	46.3	0.0	11.0	0.0	10.0	0.0	21.0	0.0	341.5	0.0	HEAPHY TERRACE
3012 - 6737	5	0	125	48.3	0.0	9.3	0.0	0.0	0.0	9.3	0.0	350.8	0.0	HEAPHY TERRACE
6737 - 7468	5	0	127	48.2	0.0	9.5	0.0	0.0	0.0	9.5	0.0	360.3	0.0	HEAPHY TERRACE
7468 - 3454	5	0	252	48.3	0.0	18.8	0.0	0.0	0.0	18.8	0.0	379.1	0.0	
3454 - 8232	5	0	224	48.2	0.0	16.7	0.0	0.0	0.0	16.7	0.0	395.8	0.0	HEAPHY TERRACE
8232 - 2537	5	6	34	48.2	0.0	2.5	0.0	17.0	0.0	19.5	0.0	415.3	0.0	HEAPHY TERRACE
2537 - 3755	5	0	50	47.9	0.0	3.8	0.0	0.0	0.0	3.8	0.0	419.1	0.0	HEAPHY TERRACE
3755 - 3754	5	7	35	47.9	0.0	2.6	0.0	11.0	0.0	13.6	0.0	432.7	0.0	HEAPHY TERRACE
3754 - 3753	5	0	46	46.7	0.0	3.5	0.0	0.0	0.0	3.5	0.0	436.3	0.0	GREY STREET
3753 - 3752	5	3	83	46.7	0.0	6.4	0.0	12.0	0.0	18.4	0.0	454.7	0.0	GREY STREET

Modelled Totals	4077	32.3		292.7		162.0		454.7
Observed Totals			0.0		380.6		50.8	431.4

```
Observed Journey Time =   431.40     Implied Average Speed =  34.0
Modelled Journey Time =   454.68    Modelled Average Speed =  32.3
                        105.40%                              94.88%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 42 Movement Analysis - times in seconds

R6aWB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3752 - 3753	5 0	83	47.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	6.3	0.0	GREY STREET
3753 - 3754	5 7	46	49.3	0.0	3.4	0.0	36.0	0.0	39.4	0.0	45.7	0.0	GREY STREET
3754 - 3755	5 0	35	49.1	0.0	2.6	0.0	0.0	0.0	2.6	0.0	48.3	0.0	HEAPHY TERRACE
3755 - 2537	5 6	50	48.1	0.0	3.7	0.0	7.0	0.0	10.7	0.0	59.0	0.0	HEAPHY TERRACE
2537 - 8232	5 0	34	48.3	0.0	2.5	0.0	0.0	0.0	2.5	0.0	61.5	0.0	HEAPHY TERRACE
8232 - 3454	5 0	224	48.3	0.0	16.7	0.0	0.0	0.0	16.7	0.0	78.2	0.0	HEAPHY TERRACE
3454 - 7468	5 0	252	48.4	0.0	18.7	0.0	0.0	0.0	18.7	0.0	97.0	0.0	
7468 - 6737	5 0	127	48.1	0.0	9.5	0.0	0.0	0.0	9.5	0.0	106.5	0.0	HEAPHY TERRACE
6737 - 3012	5 3	125	48.1	0.0	9.4	0.0	11.0	0.0	20.4	0.0	126.8	0.0	HEAPHY TERRACE
3012 - 4132	5 0	141	46.6	0.0	10.9	0.0	3.0	0.0	13.9	0.0	140.7	0.0	HEAPHY TERRACE
4132 - 4955	5 0	22	46.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	142.4	0.0	
4955 - 4961	5 0	100	46.7	0.0	7.7	0.0	0.0	0.0	7.7	0.0	150.1	0.0	HEAPHY TERRACE
4961 - 7919	5 0	100	46.7	0.0	7.7	0.0	0.0	0.0	7.7	0.0	157.9	0.0	HEAPHY TERRACE
7919 - 7925	5 0	7	46.9	0.0	0.5	0.0	0.0	0.0	0.5	0.0	158.4	0.0	
7925 - 7921	5 0	94	46.9	0.0	7.2	0.0	0.0	0.0	7.2	0.0	165.6	0.0	HEAPHY TERRACE
7921 - 7923	5 0	19	46.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	167.1	0.0	
7923 - 7013	5 0	70	47.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	172.4	0.0	HEAPHY TERRACE
7013 - 7924	5 0	32	47.5	0.0	2.4	0.0	1.0	0.0	3.4	0.0	175.8	0.0	HEAPHY TERRACE
7924 - 3703	5 0	114	47.3	0.0	8.7	0.0	0.0	0.0	8.7	0.0	184.5	0.0	HEAPHY TERRACE
3703 - 6751	5 0	176	47.5	0.0	13.3	0.0	0.0	0.0	13.3	0.0	197.8	0.0	HEAPHY TERRACE
6751 - 7738	5 0	132	47.6	0.0	10.0	0.0	0.0	0.0	10.0	0.0	207.8	0.0	HEAPHY TERRACE
7738 - 3707	5 4	184	47.6	0.0	13.9	0.0	9.0	0.0	22.9	0.0	230.7	0.0	HEAPHY TERRACE
3707 - 6906	6 0	92	58.0	0.0	5.7	0.0	0.0	0.0	5.7	0.0	236.4	0.0	CLARKIN ROAD
6906 - 7740	6 0	106	58.9	0.0	6.5	0.0	1.0	0.0	7.5	0.0	243.9	0.0	CLARKIN ROAD
7740 - 6605	6 0	172	59.0	0.0	10.5	0.0	1.0	0.0	11.5	0.0	255.4	0.0	CLARKIN ROAD
6605 - 6606	6 0	68	59.0	0.0	4.1	0.0	2.0	0.0	6.1	0.0	261.6	0.0	CLARKIN ROAD
6606 - 7254	6 0	139	59.0	0.0	8.5	0.0	2.0	0.0	10.5	0.0	272.0	0.0	CLARKIN ROAD
7254 - 3112	6 0	211	59.0	0.0	12.9	0.0	1.0	0.0	13.9	0.0	285.9	0.0	CLARKIN ROAD
3112 - 6677	6 4	262	59.4	0.0	15.9	0.0	9.0	0.0	24.9	0.0	310.8	0.0	CLARKIN ROAD
6677 - 7105	6 0	82	56.6	0.0	5.2	0.0	0.0	0.0	5.2	0.0	316.0	0.0	RIVER ROAD
7105 - 7074	6 4	352	56.6	0.0	22.4	0.0	14.0	0.0	36.4	0.0	352.4	0.0	RIVER ROAD
7074 - 3605	6 3	59	55.9	0.0	3.8	0.0	16.0	0.0	19.8	0.0	372.2	0.0	RIVER ROAD
3605 - 3606	4 0	50	33.7	0.0	5.3	0.0	0.0	0.0	5.3	0.0	377.5	0.0	FAIRFIELD BRIDGE
3606 - 4907	4 0	146	33.7	0.0	15.6	0.0	0.0	0.0	15.6	0.0	393.1	0.0	FAIRFIELD BRIDGE
4907 - 4769	21 7	15	44.8	0.0	1.2	0.0	60.0	0.0	61.2	0.0	454.3	0.0	
4769 - 4768	15 0	156	53.1	0.0	10.6	0.0	2.9	0.0	13.5	0.0	467.8	0.0	VICTORIA STREET
Modelled Totals		4077	31.4		291.9		175.9		467.8				
Observed Totals				0.0		344.0		38.9		382.9			

```
Observed Journey Time =   382.90     Implied Average Speed =  38.3
Modelled Journey Time =   467.82    Modelled Average Speed =  31.4
                        122.18%                              81.85%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 43 Movement Analysis - times in seconds

R6bNB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3448 -  3450    5 0   119  49.1   0.0    8.7    0.0   0.0     0.0    8.7    0.0     8.7     0.0    VICTORIA STREET
 3450 -  3449    5 0    11  49.1   0.0    0.8    0.0   0.0     0.0    0.8    0.0     9.5     0.0
 3449 -  3452    5 6   113  49.1   0.0    8.3    0.0  27.0     0.0   35.3    0.0    44.8     0.0    VICTORIA STREET
 3452 -  6732    5 0   244  49.0   0.0   17.9    0.0   0.0     0.0   17.9    0.0    62.7     0.0    VICTORIA STREET
 6732 - 10455    5 0    71  48.9   0.0    5.2    0.0   0.0     0.0    5.2    0.0    68.0     0.0    VICTORIA STREET
10455 -  6730    5 0    56  48.9   0.0    4.1    0.0   0.0     0.0    4.1    0.0    72.1     0.0    VICTORIA STREET
 6730 -  3132    5 0   114  48.9   0.0    8.4    0.0  10.0     0.0   18.4    0.0    90.5     0.0    VICTORIA STREET
 3132 - 10469    5 0   189  49.0   0.0   13.9    0.0   0.0     0.0   13.9    0.0   104.4     0.0    VICTORIA STREET
10469 -  8250    5 0    59  49.0   0.0    4.3    0.0   0.0     0.0    4.3    0.0   108.7     0.0    VICTORIA STREET
 8250 -  4951    5 6    38  49.0   0.0    2.8    0.0  41.0     0.0   43.8    0.0   152.5     0.0    VICTORIA STREET
 4951 -  4952   15 0    82  53.3   0.0    5.5    0.0   0.0     0.0    5.5    0.0   158.0     0.0    VICTORIA STREET
 4952 -  7213   15 0    76  53.4   0.0    5.1    0.0   2.0     0.0    7.1    0.0   165.2     0.0    VICTORIA STREET
 7213 -  7107   15 0   194  53.4   0.0   13.1    0.0   0.0     0.0   13.1    0.0   178.2     0.0    VICTORIA STREET
 7107 -  7109   15 0    70  54.1   0.0    4.7    0.0   0.0     0.0    4.7    0.0   182.9     0.0    VICTORIA STREET

Modelled Totals     1436  28.3        102.9         80.0          182.9
Observed Totals                 0.0         166.4         39.1         205.5

Observed Journey Time =   205.50     Implied Average Speed =  25.2
Modelled Journey Time =   182.90    Modelled Average Speed =  28.3
                          89.00%                             112.36%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 44 Movement Analysis - times in seconds

R6bSB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4768 -  7109   15 0   143  53.2   0.0    9.7    0.0   1.0     0.0   10.7    0.0    10.7     0.0    VICTORIA STREET
 7109 -  7107   15 0    70  53.2   0.0    4.7    0.0   2.0     0.0    6.7    0.0    17.4     0.0    VICTORIA STREET
 7107 -  7213   15 0   194  53.2   0.0   13.1    0.0   1.0     0.0   14.1    0.0    31.5     0.0    VICTORIA STREET
 7213 -  4952   15 0    76  53.1   0.0    5.2    0.0   0.0     0.0    5.2    0.0    36.7     0.0    VICTORIA STREET
 4952 -  4951   15 6    82  53.1   0.0    5.6    0.0  40.0     0.0   45.6    0.0    82.3     0.0    VICTORIA STREET
 4951 -  8250    5 0    38  49.7   0.0    2.8    0.0   0.0     0.0    2.8    0.0    85.0     0.0    VICTORIA STREET
 8250 - 10469    5 0    59  49.0   0.0    4.3    0.0   0.0     0.0    4.3    0.0    89.3     0.0    VICTORIA STREET
10469 -  3132    5 6   189  49.0   0.0   13.9    0.0  10.0     0.0   23.9    0.0   113.2     0.0    VICTORIA STREET
 3132 -  6730    5 0   114  48.5   0.0    8.5    0.0   0.0     0.0    8.5    0.0   121.7     0.0    VICTORIA STREET
 6730 - 10455    5 0    56  48.6   0.0    4.1    0.0   0.0     0.0    4.1    0.0   125.8     0.0    VICTORIA STREET
10455 -  6732    5 0    71  48.5   0.0    5.3    0.0   0.0     0.0    5.3    0.0   131.1     0.0    VICTORIA STREET
 6732 -  3452    5 7   244  48.7   0.0   18.0    0.0  27.0     0.0   45.0    0.0   176.1     0.0    VICTORIA STREET
 3452 -  3449    5 0   113  49.0   0.0    8.3    0.0   0.0     0.0    8.3    0.0   184.4     0.0    VICTORIA STREET
 3449 -  3450    5 0    11  49.0   0.0    0.8    0.0   0.0     0.0    0.8    0.0   185.3     0.0
 3450 -  3448    5 7   119  49.0   0.0    8.7    0.0  37.9     0.0   46.6    0.0   231.9     0.0    VICTORIA STREET

Modelled Totals     1579  24.5        113.0        118.9          231.9
Observed Totals                 0.0         235.0          22.3         257.3

Observed Journey Time =   257.30     Implied Average Speed =  22.1
Modelled Journey Time =   231.90    Modelled Average Speed =  24.5
                          90.13%                            110.95%
```

```
+----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+----------------------------------------------------------------------------------------+

Journey 45 Movement Analysis - times in seconds

R6cEB
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
7102 - 10445	14 0	51	43.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	4.2	0.0	VICTORIA STREET
10445 - 8235	14 0	210	43.8	0.0	17.3	0.0	0.0	0.0	17.3	0.0	21.5	0.0	VICTORIA STREET
8235 - 2738	14 6	25	45.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	23.5	0.0	VICTORIA STREET
2738 - 8233	5 0	31	45.8	0.0	2.4	0.0	0.0	0.0	2.4	0.0	25.9	0.0	BRIDGE STREET
8233 - 9824	5 0	258	41.8	0.0	22.2	0.0	0.0	0.0	22.2	0.0	48.1	0.0	
9824 - 3519	5 0	11	41.8	0.0	0.9	0.0	0.0	0.0	0.9	0.0	49.1	0.0	
3519 - 6711	5 0	76	40.7	0.0	6.7	0.0	0.0	0.0	6.7	0.0	55.8	0.0	BRIDGE STREET
6711 - 8230	5 0	52	41.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	60.3	0.0	BRIDGE STREET
8230 - 8229	5 4	48	48.3	0.0	3.6	0.0	6.0	0.0	9.6	0.0	69.8	0.0	BRIDGE STREET
8229 - 6715	5 0	70	47.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	75.1	0.0	GREY STREET
6715 - 4913	5 0	240	47.9	0.0	18.0	0.0	1.0	0.0	19.0	0.0	94.1	0.0	GREY STREET
4913 - 10646	5 0	385	47.7	0.0	29.1	0.0	0.0	0.0	29.1	0.0	123.2	0.0	GREY STREET
10646 - 3752	5 3	170	47.7	0.0	12.8	0.0	14.0	0.0	26.8	0.0	150.0	0.0	GREY STREET
Modelled Totals		1627	39.0		129.0		21.0		150.0				
Observed Totals				0.0		136.0		50.8		186.8			

```
Observed Journey Time =   186.79     Implied Average Speed =  31.4
Modelled Journey Time =   150.03    Modelled Average Speed =  39.0
                          80.32%                            124.51%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 46 Movement Analysis - times in seconds

R6cWB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3752 - 10646    5 0   170  47.1   0.0   13.0    0.0   0.0     0.0   13.0    0.0    13.0     0.0    GREY STREET
10646 -  4913    5 0   385  47.1   0.0   29.4    0.0   1.0     0.0   30.4    0.0    43.4     0.0    GREY STREET
 4913 -  6715    5 0   240  47.2   0.0   18.3    0.0   1.0     0.0   19.3    0.0    62.7     0.0    GREY STREET
 6715 -  8229    5 0    70  47.2   0.0    5.3    0.0   0.0     0.0    5.3    0.0    68.1     0.0    GREY STREET
 8229 -  7494    5 6    35  47.2   0.0    2.7    0.0  31.0     0.0   33.7    0.0   101.7     0.0    GREY STREET
 7494 -  8230    5 0    30  40.8   0.0    2.6    0.0   0.0     0.0    2.6    0.0   104.4     0.0    BRIDGE STREET
 8230 -  6711    5 0    52  40.8   0.0    4.6    0.0   0.0     0.0    4.6    0.0   109.0     0.0    BRIDGE STREET
 6711 -  3519    5 0    76  40.2   0.0    6.8    0.0   0.0     0.0    6.8    0.0   115.8     0.0    BRIDGE STREET
 3519 -  9824    5 0    11  44.9   0.0    0.9    0.0   0.0     0.0    0.9    0.0   116.7     0.0
 9824 -  8233    5 0   258  44.9   0.0   20.7    0.0   0.0     0.0   20.7    0.0   137.3     0.0
 8233 -  2738    5 6    31  44.9   0.0    2.5    0.0  38.0     0.0   40.5    0.0   177.8     0.0    BRIDGE STREET
 2738 -  8235   14 0    25  42.9   0.0    2.1    0.0   0.0     0.0    2.1    0.0   179.9     0.0    VICTORIA STREET
 8235 - 10445   14 0   210  44.0   0.0   17.2    0.0   2.0     0.0   19.2    0.0   199.1     0.0    VICTORIA STREET
10445 -  7102   14 0    51  44.1   0.0    4.2    0.0   0.0     0.0    4.2    0.0   203.3     0.0    VICTORIA STREET

Modelled Totals     1644  29.1        130.3         73.0          203.3
Observed Totals                 0.0         157.4         58.3         215.7

Observed Journey Time =   215.70     Implied Average Speed =  27.4
Modelled Journey Time =   203.27    Modelled Average Speed =  29.1
                          94.24%                            106.11%

 JURNEY terminated successfully
```

Evening Peak Travel Time Validation Output Files

```
+-------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                Gabites Porter |
|                                                                     Christchurch, N.Z. |
+-------------------------------------------------------------------------------------+


                              +---------------------------------------------+
                              | TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
                              |  TRACKS +-------------------------+ TRACKS  |
                              | S TRACKS|                         |S TRACKS |
                              | KS TRACK|   Program  :     JURNEY |KS TRACK |
                              | CKS TRAC|   Version  :      V7.03 |CKS TRAC |
                              | ACKS TRA|                         |ACKS TRA |
                              | RACKS TR|   Date run :  17-MAR-14 |RACKS TR |
                              | TRACKS T|   Time run :   15:46:18 |TRACKS T |
                              |  TRACKS |   Platform :  Win 95/NT | TRACKS  |
                              | S TRACKS+-------------------------+S TRACKS |
                              | KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
                              +---------------------------------------------+
                              +---------------------------------------------+
                              |             TRACKS Licenced to              |
                              |  Gabites Porter                             |
                              |         at :   Christchurch, N.Z.           |
                              +---------------------------------------------+
                                         Parameter version : V5.20


 JURNEY Data File  : REGJNY.DAT
 Loaded Network    : WL06B0PALLB0.NL
                     27424 Links in network

+-------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                Gabites Porter |
|                                                                     Christchurch, N.Z. |
+-------------------------------------------------------------------------------------+

Journey  1 Movement Analysis - times in seconds

R1EB SH2

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total    Mdl    Time
11582 -  9564   19 0  8269  93.3   0.0  319.1    0.0   0.0     0.0  319.1    0.0   319.1     0.0    -- no name -
-
 9564 - 10185   10 0  1086  98.7   0.0   39.6    0.0   2.0     0.0   41.6    0.0   360.7     0.0    SH2
10185 - 10184   10 0  3828  98.6   0.0  139.8    0.0   0.0     0.0  139.8    0.0   500.4     0.0    SH 2
10184 - 10179   10 0  4818  99.1   0.0  175.0    0.0   0.0     0.0  175.0    0.0   675.5     0.0    SH 2
10179 -  9561   18 0  4323  83.3   0.0  186.8    0.0   0.0     0.0  186.8    0.0   862.3     0.0    SH 2
 9561 -  8302   18 0  3842  83.3   0.0  166.0    0.0   0.0     0.0  166.0    0.0  1028.3     0.0    SH 2
 8302 -  9559   10 0  4284  99.1   0.0  155.6    0.0   0.0     0.0  155.6    0.0  1184.0     0.0    SH 2
 9559 -  9719   10 0  3055  99.0   0.0  111.1    0.0   0.0     0.0  111.1    0.0  1295.0     0.0    SH 2
 9719 -  9720   10 0   115  99.1   0.0    4.2    0.0   0.0     0.0    4.2    0.0  1299.2     0.0    SH 2
 9720 -  2941   19 0  2118  93.7   0.0   81.4    0.0   0.0     0.0   81.4    0.0  1380.6     0.0    SH 2
 2941 -  8445   19 0  1113  93.9   0.0   42.7    0.0   0.0     0.0   42.7    0.0  1423.3     0.0    SH 2
 8445 -  8444    5 4   128  49.9   0.0    9.2    0.0   4.0     0.0   13.2    0.0  1436.5     0.0    off ramp
 8444 - 10731    9 0  6059  88.9   0.0  245.4    0.0   0.0     0.0  245.4    0.0  1681.9     0.0    SH 2
10731 -  8828    9 0  3629  88.9   0.0  147.0    0.0   0.0     0.0  147.0    0.0  1828.8     0.0    SH 2
 8828 -  8829    8 0   957  79.2   0.0   43.5    0.0   0.0     0.0   43.5    0.0  1872.3     0.0    SH 2
 8829 -  8303    5 0   433  48.5   0.0   32.1    0.0   0.0     0.0   32.1    0.0  1904.5     0.0    SH 2
 8303 -  8718    5 0   394  48.2   0.0   29.4    0.0   0.0     0.0   29.4    0.0  1933.9     0.0    SH 2
 8718 -  8830    8 0  2674  78.9   0.0  122.0    0.0   0.0     0.0  122.0    0.0  2055.9     0.0
 8830 -  8305   10 0  3113  99.5   0.0  112.6    0.0   0.0     0.0  112.6    0.0  2168.5     0.0    SH 2
 8305 -  8687   10 0   853  99.5   0.0   30.9    0.0   0.0     0.0   30.9    0.0  2199.4     0.0    SH 2
 8687 -  8684   10 0  1674  99.4   0.0   60.6    0.0   0.0     0.0   60.6    0.0  2260.0     0.0    SH 2
 8684 -  8768   10 0  3761  99.5   0.0  136.1    0.0   0.0     0.0  136.1    0.0  2396.1     0.0    SH 2
 8768 -  8873   19 0  3775  94.2   0.0  144.3    0.0   0.0     0.0  144.3    0.0  2540.4     0.0    SH 2
 8873 -  3384   19 0  2233  94.2   0.0   85.3    0.0   0.0     0.0   85.3    0.0  2625.7     0.0    SH 2
 3384 -  8580   19 0  1733  94.1   0.0   66.3    0.0   0.0     0.0   66.3    0.0  2692.0     0.0    SH 2
 8580 -  3396   17 0  1170  73.9   0.0   57.0    0.0   0.0     0.0   57.0    0.0  2749.0     0.0    SH 2
 3396 -  8827   17 0   687  73.9   0.0   33.5    0.0   0.0     0.0   33.5    0.0  2782.5     0.0    SH 2
 8827 -  8312    5 0   338  48.5   0.0   25.1    0.0   0.0     0.0   25.1    0.0  2807.5     0.0    SH 2
 8312 -  8313    5 0   133  48.5   0.0    9.9    0.0   0.0     0.0    9.9    0.0  2817.4     0.0    SH 2
 8313 -  9184    4 0   158  38.6   0.0   14.7    0.0   0.0     0.0   14.7    0.0  2832.2     0.0    SH 2
 9184 -  8685    4 0    88  38.4   0.0    8.2    0.0   0.0     0.0    8.2    0.0  2840.4     0.0    SH 2
 8685 -  9165    4 0   750  39.1   0.0   69.1    0.0   0.0     0.0   69.1    0.0  2909.5     0.0    SH 2
 9165 -  9156    5 0   178  46.7   0.0   13.7    0.0   0.0     0.0   13.7    0.0  2923.2     0.0    SH 26
 9156 -  8720    6 0   712  57.3   0.0   44.7    0.0   0.0     0.0   44.7    0.0  2967.9     0.0    SH 2
 8720 -  8320    8 0  5754  78.1   0.0  265.2    0.0   0.0     0.0  265.2    0.0  3233.1     0.0    SH 2
 8320 -  8826    8 0  5351  78.3   0.0  246.0    0.0   0.0     0.0  246.0    0.0  3479.2     0.0    SH 2
 8826 -  8868    9 0  6376  88.6   0.0  259.1    0.0   0.0     0.0  259.1    0.0  3738.2     0.0    SH 2
 8868 -  3401    9 0   981  88.6   0.0   39.9    0.0   0.0     0.0   39.9    0.0  3778.1     0.0    SH 2
 3401 -  8310    9 0   326  88.4   0.0   13.3    0.0   0.0     0.0   13.3    0.0  3791.4     0.0    SH 2
 8310 -  9159   16 0    68  63.7   0.0    3.8    0.0   0.0     0.0    3.8    0.0  3795.2     0.0    SH 2
 9159 -  9160   16 0   136  64.5   0.0    7.6    0.0   0.0     0.0    7.6    0.0  3802.8     0.0    SH 2
 9160 -  9181   16 0   270  64.5   0.0   15.1    0.0   0.0     0.0   15.1    0.0  3817.9     0.0    SH 2
 9181 -  8311    5 0   212  49.0   0.0   15.6    0.0   0.0     0.0   15.6    0.0  3833.4     0.0    SH 2
 8311 -  8604    4 3   158  38.1   0.0   14.9    0.0   9.0     0.0   23.9    0.0  3857.4     0.0    SH 2
```

8604 - 8605	4	0	47	38.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	3861.8	0.0	SH 2
8605 - 8536	5	0	128	48.3	0.0	9.5	0.0	1.0	0.0	10.5	0.0	3872.3	0.0	SH 2
8536 - 9178	6	0	821	58.2	0.0	50.8	0.0	0.0	0.0	50.8	0.0	3923.1	0.0	SH 2
9178 - 9157	9	0	378	88.1	0.0	15.4	0.0	0.0	0.0	15.4	0.0	3938.6	0.0	SH 2
9157 - 8646	9	0	930	88.2	0.0	38.0	0.0	0.0	0.0	38.0	0.0	3976.5	0.0	SH 2
8646 - 8317	9	0	263	88.0	0.0	10.8	0.0	0.0	0.0	10.8	0.0	3987.3	0.0	SH 2
8317 - 8906	9	0	54	88.1	0.0	2.2	0.0	2.0	0.0	4.2	0.0	3991.5	0.0	SH 2
8906 - 3398	9	0	1339	88.7	0.0	54.3	0.0	0.0	0.0	54.3	0.0	4045.8	0.0	SH 2
3398 - 9142	9	0	1279	88.8	0.0	51.9	0.0	0.0	0.0	51.9	0.0	4097.7	0.0	SH 2
9142 - 8318	9	0	2434	88.8	0.0	98.7	0.0	0.0	0.0	98.7	0.0	4196.4	0.0	SH 2
8318 - 8281	9	0	2990	88.5	0.0	121.6	0.0	0.0	0.0	121.6	0.0	4318.0	0.0	SH 2
8281 - 8698	9	0	2517	88.6	0.0	102.3	0.0	0.0	0.0	102.3	0.0	4420.2	0.0	SH 2
8698 - 8666	9	0	3224	88.4	0.0	131.3	0.0	0.0	0.0	131.3	0.0	4551.5	0.0	KATIKATI NORTH ROAD
8666 - 3517	9	0	2533	88.4	0.0	103.2	0.0	0.0	0.0	103.2	0.0	4654.7	0.0	KATIKATI NORTH ROAD
3517 - 8773	9	0	1338	88.3	0.0	54.6	0.0	0.0	0.0	54.6	0.0	4709.2	0.0	KATIKATI NORTH ROAD
8773 - 8747	9	0	3034	88.2	0.0	123.8	0.0	0.0	0.0	123.8	0.0	4833.1	0.0	KATIKATI NORTH ROAD
8747 - 8690	5	0	1437	47.4	0.0	109.1	0.0	0.0	0.0	109.1	0.0	4942.2	0.0	KATIKATI NORTH ROAD
8690 - 3608	5	0	863	46.9	0.0	66.2	0.0	0.0	0.0	66.2	0.0	5008.5	0.0	MAIN ROAD
3608 - 8581	5	0	687	46.6	0.0	53.1	0.0	0.0	0.0	53.1	0.0	5061.5	0.0	MAIN ROAD
8581 - 8327	9	0	4588	87.8	0.0	188.1	0.0	0.0	0.0	188.1	0.0	5249.7	0.0	TAURANGA WEST ROAD
8327 - 3610	9	0	3871	87.9	0.0	158.5	0.0	0.0	0.0	158.5	0.0	5408.2	0.0	TAURANGA WEST ROAD
3610 - 3609	9	0	2804	87.9	0.0	114.8	0.0	0.0	0.0	114.8	0.0	5523.0	0.0	TAURANGA WEST ROAD
3609 - 3611	9	0	4292	87.7	0.0	176.2	0.0	0.0	0.0	176.2	0.0	5699.2	0.0	TAURANGA WEST ROAD
3611 - 8728	9	0	1827	87.6	0.0	75.1	0.0	0.0	0.0	75.1	0.0	5774.3	0.0	TAURANGA WEST ROAD
8728 - 3613	8	0	994	77.2	0.0	46.4	0.0	0.0	0.0	46.4	0.0	5820.7	0.0	TAURANGA WEST ROAD
3613 - 8885	8	0	990	77.1	0.0	46.2	0.0	0.0	0.0	46.2	0.0	5866.9	0.0	TAURANGA WEST ROAD
8885 - 8328	8	0	2138	77.0	0.0	100.0	0.0	0.0	0.0	100.0	0.0	5966.8	0.0	TAURANGA WEST ROAD
8328 - 9387	8	0	713	76.9	0.0	33.4	0.0	0.0	0.0	33.4	0.0	6000.2	0.0	TAURANGA WEST ROAD
9387 - 9389	8	0	2148	76.8	0.0	100.7	0.0	0.0	0.0	100.7	0.0	6100.9	0.0	TAURANGA WEST ROAD
9389 - 9049	8	0	1002	76.8	0.0	47.0	0.0	0.0	0.0	47.0	0.0	6147.9	0.0	TAURANGA WEST ROAD
9049 - 8884	7	0	1232	66.6	0.0	66.6	0.0	0.0	0.0	66.6	0.0	6214.5	0.0	TAURANGA WEST ROAD
8884 - 9390	7	0	113	66.1	0.0	6.2	0.0	0.0	0.0	6.2	0.0	6220.6	0.0	
9390 - 9401	6	0	108	54.8	0.0	7.1	0.0	0.0	0.0	7.1	0.0	6227.7	0.0	
9401 - 9376	6	0	746	54.8	0.0	49.0	0.0	0.0	0.0	49.0	0.0	6276.7	0.0	SH 2
9376 - 9255	6	0	340	54.9	0.0	22.3	0.0	0.0	0.0	22.3	0.0	6299.0	0.0	SH 2
9255 - 9254	6	3	443	53.3	0.0	29.9	0.0	14.0	0.0	43.9	0.0	6342.9	0.0	SH 2
9254 - 9381	17	0	721	70.3	0.0	36.9	0.0	0.0	0.0	36.9	0.0	6379.9	0.0	SH 2
9381 - 9292	17	0	614	70.2	0.0	31.5	0.0	0.0	0.0	31.5	0.0	6411.3	0.0	SH 2
9292 - 9341	17	0	215	72.7	0.0	10.6	0.0	0.0	0.0	10.6	0.0	6422.0	0.0	TAMATEA ARIKINUI DRIV
9341 - 9336	17	0	345	73.9	0.0	16.8	0.0	0.0	0.0	16.8	0.0	6438.8	0.0	TAMATEA ARIKINUI DRIV
9336 - 9335	17	0	594	73.9	0.0	28.9	0.0	0.0	0.0	28.9	0.0	6467.7	0.0	TAMATEA ARIKINUI DRIV
9335 - 8732	17	0	38	73.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	6469.6	0.0	TAMATEA ARIKINUI DRIV
8732 - 9623	17	0	34	73.6	0.0	1.7	0.0	0.0	0.0	1.7	0.0	6471.3	0.0	TAMATEA ARIKINUI DRIV
9623 - 9324	17	0	251	73.6	0.0	12.3	0.0	0.0	0.0	12.3	0.0	6483.5	0.0	TAMATEA ARIKINUI DRIV
9324 - 9350	17	0	94	73.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	6488.1	0.0	TAMATEA ARIKINUI DRIV
9350 - 9325	17	0	233	73.3	0.0	11.4	0.0	0.0	0.0	11.4	0.0	6499.6	0.0	TAMATEA ARIKINUI DRIV
9325 - 9459	17	0	339	73.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	6516.2	0.0	TAMATEA ARIKINUI DRIV
9459 - 9263	17	0	248	73.1	0.0	12.2	0.0	0.0	0.0	12.2	0.0	6528.5	0.0	TAMATEA ARIKINUI DRIV
9263 - 9262	17	0	116	73.1	0.0	5.7	0.0	0.0	0.0	5.7	0.0	6534.2	0.0	TAMATEA ARIKINUI DRIV
9262 - 9348	15	6	386	52.7	0.0	26.4	0.0	24.0	0.0	50.4	0.0	6584.5	0.0	TAMATEA ARIKINUI DRIV
9348 - 9369	15	0	282	42.7	0.0	23.8	0.0	0.0	0.0	23.8	0.0	6608.3	0.0	SH 2
9369 - 9364	15	7	283	43.1	0.0	23.6	0.0	20.0	0.0	43.6	0.0	6651.9	0.0	SH 2
9364 - 8898	15	0	266	22.7	0.0	42.2	0.0	2.0	0.0	44.2	0.0	6696.1	0.0	SH 2
8898 - 9400	15	0	1346	10.9	0.0	444.6	0.0	0.0	0.0	444.6	0.0	7140.7	0.0	SH 2
9400 - 9388	8	0	810	76.2	0.0	38.3	0.0	0.0	0.0	38.3	0.0	7179.0	0.0	SH 2
9388 - 9395	15	3	71	50.7	0.0	5.0	0.0	17.9	0.0	22.9	0.0	7201.9	0.0	SH 2

Modelled Totals	154044	77.0	7106.0	95.9	7201.9
Observed Totals		0.0	6894.0	10.1	6904.1

Observed Journey Time = 6904.10 Implied Average Speed = 80.3
Modelled Journey Time = 7201.89 Modelled Average Speed = 77.0
104.31% 95.87%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  2 Movement Analysis - times in seconds

R1WB SH2

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9395 -  9388   15 0    71  51.5   0.0    5.0    0.0   0.0     0.0    5.0    0.0     5.0     0.0    SH 2
 9388 -  9400    8 0   810  77.0   0.0   37.9    0.0   0.0     0.0   37.9    0.0    42.8     0.0    SH 2
 9400 -  8898   15 0  1346  37.6   0.0  128.9    0.0   2.0     0.0  130.9    0.0   173.7     0.0    SH 2
 8898 -  9364   15 7   266  44.5   0.0   21.5    0.0  21.0     0.0   42.5    0.0   216.2     0.0    SH 2
 9364 -  9369   15 0   283  49.1   0.0   20.7    0.0   0.0     0.0   20.7    0.0   237.0     0.0    SH 2
 9369 -  9348   15 6   282  49.8   0.0   20.4    0.0  24.0     0.0   44.4    0.0   281.4     0.0    SH 2
 9348 -  9262   15 0   386  50.5   0.0   27.5    0.0   0.0     0.0   27.5    0.0   308.9     0.0    TAMATEA
ARIKINUI DRIV
 9262 -  9263   17 0   116  71.2   0.0    5.9    0.0   0.0     0.0    5.9    0.0   314.7     0.0    TAMATEA
ARIKINUI DRIV
 9263 -  9459   17 0   248  71.2   0.0   12.5    0.0   0.0     0.0   12.5    0.0   327.3     0.0    TAMATEA
ARIKINUI DRIV
 9459 -  9325   17 0   339  71.2   0.0   17.1    0.0   0.0     0.0   17.1    0.0   344.4     0.0    TAMATEA
ARIKINUI DRIV
 9325 -  9350   17 0   233  69.3   0.0   12.1    0.0   0.0     0.0   12.1    0.0   356.5     0.0    TAMATEA
ARIKINUI DRIV
 9350 -  9324   17 0    94  69.3   0.0    4.9    0.0   0.0     0.0    4.9    0.0   361.4     0.0    TAMATEA
ARIKINUI DRIV
 9324 -  9623   17 0   251  69.3   0.0   13.0    0.0   0.0     0.0   13.0    0.0   374.4     0.0    TAMATEA
ARIKINUI DRIV
 9623 -  9335   15 0    70  42.1   0.0    6.0    0.0   0.0     0.0    6.0    0.0   380.4     0.0    TAMATEA
ARIKINUI DRIV
 9335 -  9336   17 0   594  71.8   0.0   29.8    0.0   0.0     0.0   29.8    0.0   410.2     0.0    TAMATEA
ARIKINUI DRIV
 9336 -  9341   17 0   345  71.8   0.0   17.3    0.0   0.0     0.0   17.3    0.0   427.5     0.0    TAMATEA
ARIKINUI DRIV
 9341 -  9292   17 0   215  71.8   0.0   10.8    0.0   0.0     0.0   10.8    0.0   438.3     0.0    TAMATEA
ARIKINUI DRIV
 9292 -  9381   17 0   614  70.7   0.0   31.3    0.0   0.0     0.0   31.3    0.0   469.6     0.0    SH 2
 9381 -  9254   17 3   721  70.9   0.0   36.6    0.0  20.0     0.0   56.6    0.0   526.2     0.0    SH 2
 9254 -  9255    6 0   443  14.2   0.0  112.3    0.0   0.0     0.0  112.3    0.0   638.5     0.0    SH 2
 9255 -  9376    6 0   340  17.4   0.0   70.3    0.0   0.0     0.0   70.3    0.0   708.8     0.0    SH 2
 9376 -  9401    6 0   746  15.3   0.0  175.5    0.0   0.0     0.0  175.5    0.0   884.4     0.0    SH 2
 9401 -  9390    6 0   108  15.3   0.0   25.4    0.0   0.0     0.0   25.4    0.0   909.8     0.0
 9390 -  8884    7 0   113  49.5   0.0    8.2    0.0   0.0     0.0    8.2    0.0   918.0     0.0
 8884 -  9049    7 0  1232  60.3   0.0   73.6    0.0   0.0     0.0   73.6    0.0   991.5     0.0    TAURANGA
WEST ROAD
 9049 -  9389    8 0  1002  74.4   0.0   48.5    0.0   0.0     0.0   48.5    0.0  1040.0     0.0    TAURANGA
WEST ROAD
 9389 -  9387    8 0  2148  74.6   0.0  103.7    0.0   0.0     0.0  103.7    0.0  1143.7     0.0    TAURANGA
WEST ROAD
 9387 -  8328    8 0   713  74.5   0.0   34.5    0.0   0.0     0.0   34.5    0.0  1178.1     0.0    TAURANGA
WEST ROAD
 8328 -  8885    8 0  2138  74.7   0.0  103.0    0.0   0.0     0.0  103.0    0.0  1281.2     0.0    TAURANGA
WEST ROAD
 8885 -  3613    8 0   990  75.0   0.0   47.5    0.0   0.0     0.0   47.5    0.0  1328.7     0.0    TAURANGA
WEST ROAD
 3613 -  8728    8 0   994  75.1   0.0   47.6    0.0   0.0     0.0   47.6    0.0  1376.3     0.0    TAURANGA
WEST ROAD
 8728 -  3611    9 0  1827  86.4   0.0   76.1    0.0   0.0     0.0   76.1    0.0  1452.5     0.0    TAURANGA
WEST ROAD
 3611 -  3609    9 0  4292  86.9   0.0  177.8    0.0   0.0     0.0  177.8    0.0  1630.3     0.0    TAURANGA
WEST ROAD
 3609 -  3610    9 0  2804  87.3   0.0  115.6    0.0   0.0     0.0  115.6    0.0  1745.9     0.0    TAURANGA
WEST ROAD
 3610 -  8327    9 0  3871  87.3   0.0  159.6    0.0   0.0     0.0  159.6    0.0  1905.5     0.0    TAURANGA
WEST ROAD
 8327 -  8581    9 0  4588  87.5   0.0  188.8    0.0   0.0     0.0  188.8    0.0  2094.3     0.0    TAURANGA
WEST ROAD
 8581 -  3608    5 0   687  46.2   0.0   53.5    0.0   0.0     0.0   53.5    0.0  2147.8     0.0    MAIN ROAD
 3608 -  8690    5 0   863  45.4   0.0   68.4    0.0   0.0     0.0   68.4    0.0  2216.2     0.0    MAIN ROAD
 8690 -  8747    5 0  1437  45.6   0.0  113.4    0.0   0.0     0.0  113.4    0.0  2329.7     0.0    KATIKATI
NORTH ROAD
 8747 -  8773    9 0  3034  87.5   0.0  124.8    0.0   0.0     0.0  124.8    0.0  2454.5     0.0    KATIKATI
NORTH ROAD
 8773 -  3517    9 0  1338  87.7   0.0   54.9    0.0   0.0     0.0   54.9    0.0  2509.4     0.0    KATIKATI
NORTH ROAD
 3517 -  8666    9 0  2533  87.9   0.0  103.7    0.0   0.0     0.0  103.7    0.0  2613.2     0.0    KATIKATI
NORTH ROAD
 8666 -  8698    9 0  3224  87.9   0.0  132.0    0.0   0.0     0.0  132.0    0.0  2745.2     0.0    KATIKATI
NORTH ROAD
 8698 -  8281    9 0  2517  88.5   0.0  102.4    0.0   0.0     0.0  102.4    0.0  2847.6     0.0    SH 2
 8281 -  8318    9 0  2990  88.6   0.0  121.5    0.0   0.0     0.0  121.5    0.0  2969.1     0.0    SH 2
 8318 -  9142    9 0  2434  88.8   0.0   98.7    0.0   0.0     0.0   98.7    0.0  3067.8     0.0    SH 2
 9142 -  3398    9 0  1279  88.8   0.0   51.9    0.0   0.0     0.0   51.9    0.0  3119.6     0.0    SH 2
 3398 -  8906    9 0  1339  88.7   0.0   54.3    0.0   1.0     0.0   55.3    0.0  3175.0     0.0    SH 2
 8906 -  8317    9 0    54  88.3   0.0    2.2    0.0   0.0     0.0    2.2    0.0  3177.2     0.0    SH 2
 8317 -  8646    9 0   263  88.3   0.0   10.7    0.0   0.0     0.0   10.7    0.0  3187.9     0.0    SH 2
 8646 -  9157    9 0   930  88.5   0.0   37.8    0.0   0.0     0.0   37.8    0.0  3225.7     0.0    SH 2
 9157 -  9178    9 0   378  88.5   0.0   15.4    0.0   0.0     0.0   15.4    0.0  3241.1     0.0    SH 2
 9178 -  8536    6 0   821  58.9   0.0   50.2    0.0   1.0     0.0   51.2    0.0  3292.3     0.0    SH 2
 8536 -  8605    5 0   128  48.6   0.0    9.5    0.0   0.0     0.0    9.5    0.0  3301.8     0.0    SH 2
```

8605 -	8604	4	3	47	38.8	0.0	4.4	0.0	4.0	0.0	8.4	0.0	3310.1	0.0	SH 2
8604 -	8311	4	0	158	38.4	0.0	14.8	0.0	0.0	0.0	14.8	0.0	3324.9	0.0	SH 2
8311 -	9181	5	0	212	48.3	0.0	15.8	0.0	0.0	0.0	15.8	0.0	3340.7	0.0	SH 2
9181 -	9160	16	0	270	64.0	0.0	15.2	0.0	0.0	0.0	15.2	0.0	3355.9	0.0	SH 2
9160 -	9159	16	0	136	64.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	3363.6	0.0	SH 2
9159 -	8310	16	0	68	63.6	0.0	3.8	0.0	0.0	0.0	3.8	0.0	3367.4	0.0	SH 2
8310 -	3401	9	0	326	88.5	0.0	13.3	0.0	0.0	0.0	13.3	0.0	3380.7	0.0	SH 2
3401 -	8868	9	0	981	88.8	0.0	39.8	0.0	0.0	0.0	39.8	0.0	3420.5	0.0	SH 2
8868 -	8826	9	0	6376	88.8	0.0	258.5	0.0	0.0	0.0	258.5	0.0	3678.9	0.0	SH 2
8826 -	8320	8	0	5351	78.6	0.0	245.1	0.0	0.0	0.0	245.1	0.0	3924.0	0.0	SH 2
8320 -	8720	8	0	5754	78.6	0.0	263.5	0.0	0.0	0.0	263.5	0.0	4187.6	0.0	SH 2
8720 -	9156	6	0	712	57.7	0.0	44.4	0.0	0.0	0.0	44.4	0.0	4232.0	0.0	SH 2
9156 -	9165	5	0	178	46.8	0.0	13.7	0.0	0.0	0.0	13.7	0.0	4245.7	0.0	SH 26
9165 -	8685	4	0	750	39.0	0.0	69.2	0.0	0.0	0.0	69.2	0.0	4314.9	0.0	SH 2
8685 -	9184	4	0	88	38.1	0.0	8.3	0.0	0.0	0.0	8.3	0.0	4323.2	0.0	SH 2
9184 -	8313	4	0	158	38.4	0.0	14.8	0.0	0.0	0.0	14.8	0.0	4338.0	0.0	SH 2
8313 -	8312	5	0	133	48.3	0.0	9.9	0.0	0.0	0.0	9.9	0.0	4348.0	0.0	SH 2
8312 -	8827	5	0	338	48.5	0.0	25.1	0.0	0.0	0.0	25.1	0.0	4373.0	0.0	SH 2
8827 -	3396	17	0	687	73.9	0.0	33.5	0.0	0.0	0.0	33.5	0.0	4406.5	0.0	SH 2
3396 -	8580	17	0	1170	73.9	0.0	57.0	0.0	0.0	0.0	57.0	0.0	4463.5	0.0	SH 2
8580 -	3384	19	0	1733	94.1	0.0	66.3	0.0	0.0	0.0	66.3	0.0	4529.8	0.0	SH 2
3384 -	8873	19	0	2233	94.3	0.0	85.2	0.0	0.0	0.0	85.2	0.0	4615.1	0.0	SH 2
8873 -	8768	19	0	3775	94.2	0.0	144.3	0.0	0.0	0.0	144.3	0.0	4759.3	0.0	SH 2
8768 -	8684	10	0	3761	99.5	0.0	136.1	0.0	0.0	0.0	136.1	0.0	4895.4	0.0	SH 2
8684 -	8687	10	0	1674	99.4	0.0	60.6	0.0	1.0	0.0	61.6	0.0	4957.0	0.0	SH 2
8687 -	8305	10	0	853	99.5	0.0	30.9	0.0	0.0	0.0	30.9	0.0	4987.9	0.0	SH 2
8305 -	8830	10	0	3113	99.5	0.0	112.6	0.0	0.0	0.0	112.6	0.0	5100.5	0.0	SH 2
8830 -	8718	8	0	2674	78.9	0.0	122.0	0.0	0.0	0.0	122.0	0.0	5222.5	0.0	
8718 -	8303	5	0	394	48.2	0.0	29.4	0.0	0.0	0.0	29.4	0.0	5252.0	0.0	SH 2
8303 -	8829	5	0	433	48.8	0.0	31.9	0.0	0.0	0.0	31.9	0.0	5283.9	0.0	SH 2
8829 -	8828	8	0	957	79.4	0.0	43.4	0.0	0.0	0.0	43.4	0.0	5327.3	0.0	SH 2
8828 -	10731	9	0	3629	89.1	0.0	146.6	0.0	0.0	0.0	146.6	0.0	5473.9	0.0	SH 2
10731 -	8444	9	0	6059	89.1	0.0	244.8	0.0	0.0	0.0	244.8	0.0	5718.7	0.0	SH 2
8444 -	9562	10	4	85	99.6	0.0	3.1	0.0	15.0	0.0	18.1	0.0	5736.8	0.0	SH 2
9562 -	8445	10	0	71	99.3	0.0	2.6	0.0	0.0	0.0	2.6	0.0	5739.4	0.0	SH 2
8445 -	2941	19	0	1113	94.2	0.0	42.5	0.0	0.0	0.0	42.5	0.0	5781.9	0.0	SH 2
2941 -	9720	19	0	2118	94.1	0.0	81.0	0.0	0.0	0.0	81.0	0.0	5862.9	0.0	SH 2
9720 -	9719	10	0	115	99.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	5867.1	0.0	SH 2
9719 -	9559	10	0	3055	99.2	0.0	110.9	0.0	0.0	0.0	110.9	0.0	5978.0	0.0	SH 2
9559 -	8302	10	0	4284	99.2	0.0	155.5	0.0	0.0	0.0	155.5	0.0	6133.4	0.0	SH 2
8302 -	9561	18	0	3842	83.6	0.0	165.4	0.0	0.0	0.0	165.4	0.0	6298.9	0.0	SH 2
9561 -	10179	18	0	4323	83.6	0.0	186.2	0.0	0.0	0.0	186.2	0.0	6485.0	0.0	SH 2
10179 -	10184	10	0	4818	99.3	0.0	174.7	0.0	0.0	0.0	174.7	0.0	6659.7	0.0	SH 2
10184 -	10185	10	0	3828	99.1	0.0	139.1	0.0	0.0	0.0	139.1	0.0	6798.8	0.0	SH 2
10185 -	9564	10	0	1086	99.1	0.0	39.5	0.0	0.0	0.0	39.5	0.0	6838.2	0.0	SH2
9564 -	11582	19	0	8269	93.9	0.0	317.0	0.0	0.0	0.0	317.0	0.0	7155.3	0.0	-- no name -

-

Modelled Totals	154070	77.5	7066.3	89.0	7155.3		
Observed Totals		0.0	6851.0	17.6	6868.6		

Observed Journey Time =	6868.60	Implied Average Speed =	80.8
Modelled Journey Time =	7155.25	Modelled Average Speed =	77.5
	104.17%		95.99%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  3 Movement Analysis - times in seconds

R2aNB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3480 -  3488   15 0   176  51.1   0.0   12.4    0.0   0.0     0.0   12.4    0.0    12.4     0.0    GREAT SOUTH
ROAD
 3488 -  3514   15 0   163  51.1   0.0   11.5    0.0   0.0     0.0   11.5    0.0    23.9     0.0    GREAT SOUTH
ROAD
 3514 -  3501   15 3   180  51.1   0.0   12.7    0.0   8.0     0.0   20.7    0.0    44.6     0.0    GREAT SOUTH
ROAD
 3501 -  3513   15 0    68  51.3   0.0    4.8    0.0   0.0     0.0    4.8    0.0    49.3     0.0    GREAT SOUTH
ROAD
 3513 -  3511   15 0   344  29.6   0.0   41.8    0.0   0.0     0.0   41.8    0.0    91.2     0.0    GREAT SOUTH
ROAD
 3511 -  3504   15 3   118  51.3   0.0    8.3    0.0  13.0     0.0   21.3    0.0   112.5     0.0    GREAT SOUTH
ROAD
 3504 -  3508    8 0   114  76.8   0.0    5.3    0.0   4.0     0.0    9.3    0.0   121.8     0.0    TE RAPA ROAD
 3508 -  6799    9 0  1043  84.7   0.0   44.3    0.0   0.0     0.0   44.3    0.0   166.1     0.0    TE RAPA ROAD
 6799 -  3798    9 0   101  84.8   0.0    4.3    0.0   0.0     0.0    4.3    0.0   170.4     0.0    TE RAPA ROAD
 3798 -  3296    9 0   747  84.7   0.0   31.7    0.0   0.0     0.0   31.7    0.0   202.2     0.0    GREAT SOUTH
ROAD
 3296 -  3797    9 0   475  84.7   0.0   20.2    0.0   0.0     0.0   20.2    0.0   222.4     0.0    GREAT SOUTH
ROAD
 3797 -  2802   10 0   139  95.7   0.0    5.2    0.0   0.0     0.0    5.2    0.0   227.6     0.0    SH 1
 2802 - 10419   10 0   199  95.7   0.0    7.5    0.0   0.0     0.0    7.5    0.0   235.1     0.0
10419 -  2803   10 0    37  95.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0   236.5     0.0
 2803 -  2806   10 0   276  95.7   0.0   10.4    0.0   0.0     0.0   10.4    0.0   246.8     0.0    SH 1
 2806 -  2545   10 0   345  95.7   0.0   13.0    0.0   0.0     0.0   13.0    0.0   259.8     0.0    SH 1
 2545 -  2678   10 0   350  95.7   0.0   13.2    0.0   0.0     0.0   13.2    0.0   273.0     0.0    SH 1
 2678 -  2680   10 0    89  95.7   0.0    3.3    0.0   0.0     0.0    3.3    0.0   276.3     0.0    SH 1
 2680 - 10680   10 0   739  95.7   0.0   27.8    0.0   0.0     0.0   27.8    0.0   304.1     0.0    SH 1
10680 -  2679   10 0   567  95.7   0.0   21.3    0.0   0.0     0.0   21.3    0.0   325.5     0.0    SH 1
 2679 -  2544   10 0   144  96.2   0.0    5.4    0.0   0.0     0.0    5.4    0.0   330.9     0.0    SH 1
 2544 -  5565   10 0   186  96.2   0.0    7.0    0.0   0.0     0.0    7.0    0.0   337.8     0.0    SH 1
 5565 -  2827   10 0   315  96.1   0.0   11.8    0.0   0.0     0.0   11.8    0.0   349.6     0.0    SH 1
 2827 -  2833   10 0   384  96.4   0.0   14.3    0.0   0.0     0.0   14.3    0.0   364.0     0.0    SH 1
 2833 -  2837   10 0   196  96.4   0.0    7.3    0.0   0.0     0.0    7.3    0.0   371.3     0.0    SH 1
 2837 -  2831   10 0    83  96.4   0.0    3.1    0.0   0.0     0.0    3.1    0.0   374.4     0.0    SH 1
 2831 -  4602   10 0   482  96.4   0.0   18.0    0.0   2.0     0.0   20.0    0.0   394.4     0.0    SH 1
 4602 - 10335   10 0   536  96.3   0.0   20.0    0.0   0.0     0.0   20.0    0.0   414.4     0.0    SH 1
10335 -  2696   10 0    10  96.3   0.0    0.4    0.0   0.0     0.0    0.4    0.0   414.8     0.0    SH 1
 2696 - 10585   10 0   949  96.3   0.0   35.5    0.0   0.0     0.0   35.5    0.0   450.3     0.0    SH 1
10585 -  4796    9 0    61  85.0   0.0    2.6    0.0   0.0     0.0    2.6    0.0   452.8     0.0    SH 1
 4796 -  3779   10 0   715  96.3   0.0   26.7    0.0   0.0     0.0   26.7    0.0   479.6     0.0    SH 1
 3779 -  3780    7 0   134  61.7   0.0    7.8    0.0   0.0     0.0    7.8    0.0   487.4     0.0    SH 1
 3780 -  5577    7 0   182  61.7   0.0   10.6    0.0   0.0     0.0   10.6    0.0   498.0     0.0    SH 1
 5577 -  5519    7 0    28  61.7   0.0    1.6    0.0   0.0     0.0    1.6    0.0   499.6     0.0
 5519 -  2809    7 0   359  64.2   0.0   20.1    0.0   0.0     0.0   20.1    0.0   519.8     0.0    SH 1
 2809 -  5520    7 0   439  65.0   0.0   24.3    0.0   0.0     0.0   24.3    0.0   544.1     0.0    SH 1
 5520 - 10230    7 0   153  65.4   0.0    8.4    0.0   0.0     0.0    8.4    0.0   552.5     0.0    SH 1
10230 -  4603   15 0    88  47.7   0.0    6.6    0.0   0.0     0.0    6.6    0.0   559.2     0.0    SH 1
 4603 -  5824   15 0    99  47.8   0.0    7.5    0.0   0.0     0.0    7.5    0.0   566.6     0.0
 5824 -  5729   15 0   305  47.7   0.0   23.0    0.0   0.0     0.0   23.0    0.0   589.6     0.0    SH 1
 5729 -  5764   15 0   172  47.7   0.0   13.0    0.0   0.0     0.0   13.0    0.0   602.6     0.0    SH 1
 5764 -  5684   15 0   170  47.8   0.0   12.8    0.0   3.0     0.0   15.8    0.0   618.4     0.0    SH 1
 5684 -  5731   15 0   146  51.2   0.0   10.3    0.0   0.0     0.0   10.3    0.0   628.7     0.0    SH 1
 5731 -  5810    6 0    92  55.4   0.0    6.0    0.0   0.0     0.0    6.0    0.0   634.7     0.0    SH 1
 5810 -  5765    6 0    66  55.4   0.0    4.3    0.0   0.0     0.0    4.3    0.0   638.9     0.0    SH 1
 5765 -  5497    6 0   321  55.4   0.0   20.9    0.0   2.0     0.0   22.9    0.0   661.8     0.0
 5497 -  4184    6 0    15  56.1   0.0    1.0    0.0   0.0     0.0    1.0    0.0   662.8     0.0
 4184 -  4183    6 0   164  56.1   0.0   10.5    0.0   0.0     0.0   10.5    0.0   673.3     0.0    SH 1
 4183 -  5521    6 0   150  56.0   0.0    9.6    0.0   0.0     0.0    9.6    0.0   682.9     0.0    SH 1
 5521 - 10229    6 0   139  56.0   0.0    8.9    0.0   0.0     0.0    8.9    0.0   691.9     0.0    SH 1
10229 -  2818    9 0   547  87.0   0.0   22.6    0.0   0.0     0.0   22.6    0.0   714.5     0.0    SH 1
 2818 -  2849    9 0   430  87.0   0.0   17.8    0.0   0.0     0.0   17.8    0.0   732.3     0.0    SH 1
 2849 -  2811    9 0   864  86.9   0.0   35.8    0.0   0.0     0.0   35.8    0.0   768.1     0.0    SH 1
 2811 -  5712    9 0  1301  86.9   0.0   53.9    0.0   0.0     0.0   53.9    0.0   822.0     0.0    SH 1
 5712 -  2688    9 0   192  87.0   0.0    7.9    0.0   0.0     0.0    7.9    0.0   829.9     0.0
 2688 -  4800    9 0   225  87.0   0.0    9.3    0.0   0.0     0.0    9.3    0.0   839.2     0.0    SH 1
 4800 -  4799    9 0  1097  86.9   0.0   45.4    0.0   0.0     0.0   45.4    0.0   884.7     0.0    SH 1
 4799 -  5522    7 0   651  65.9   0.0   35.6    0.0   0.0     0.0   35.6    0.0   920.2     0.0    SH 1
 5522 -  5523    7 0   161  65.9   0.0    8.8    0.0   0.0     0.0    8.8    0.0   929.0     0.0    SH 1
 5523 - 10324    7 0   119  65.9   0.0    6.5    0.0   0.0     0.0    6.5    0.0   935.5     0.0    SH 1
10324 -  5594    7 0   125  65.9   0.0    6.8    0.0   0.0     0.0    6.8    0.0   942.4     0.0    SH 1
 5594 -  5524    7 0   404  66.0   0.0   22.0    0.0   0.0     0.0   22.0    0.0   964.4     0.0    SH 1
 5524 - 10323    7 0    25  65.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0   965.8     0.0    SH 1
10323 -  9789    7 0   374  65.7   0.0   20.5    0.0   0.0     0.0   20.5    0.0   986.3     0.0    SH 1
 9789 -  9917    8 0  3303  75.6   0.0  157.3    0.0   0.0     0.0  157.3    0.0  1143.6     0.0    SH 1
 9917 -  9771    8 0  2559  75.6   0.0  121.9    0.0   0.0     0.0  121.9    0.0  1265.4     0.0    -- no name -
-
 9771 -  9943    8 6    21  76.1   0.0    1.0    0.0  17.0     0.0   18.0    0.0  1283.4     0.0    -- no name -
-
 9943 -  9772    8 0    26  76.1   0.0    1.2    0.0   0.0     0.0    1.2    0.0  1284.6     0.0    -- no name -
-
 9772 -  9743    8 0   336  75.7   0.0   16.0    0.0   0.0     0.0   16.0    0.0  1300.6     0.0    -- no name -
-
```

```
 9743 -  9753    8 0   383  76.2   0.0   18.1    0.0   0.0     0.0   18.1    0.0  1318.7     0.0    -- no name -
-
 9753 -  9742    8 0    16  76.4   0.0    0.8    0.0   0.0     0.0    0.8    0.0  1319.5     0.0    -- no name -
-
 9742 -  9752    8 0    21  76.4   0.0    1.0    0.0   0.0     0.0    1.0    0.0  1320.5     0.0    -- no name -
-
 9752 -  9631    8 0   202  76.4   0.0    9.5    0.0   0.0     0.0    9.5    0.0  1330.0     0.0    -- no name -
-
 9631 -  9762    8 0   148  76.4   0.0    7.0    0.0   0.0     0.0    7.0    0.0  1336.9     0.0    -- no name -
-
 9762 -  9744    8 0    13  76.4   0.0    0.6    0.0   0.0     0.0    0.6    0.0  1337.6     0.0    -- no name -
-
 9744 -  9761    8 0    12  76.4   0.0    0.6    0.0   0.0     0.0    0.6    0.0  1338.1     0.0    -- no name -
-
 9761 -  9733    8 4   285  76.2   0.0   13.5    0.0  13.0     0.0   26.5    0.0  1364.6     0.0    -- no name -
-
 9733 -  9635    8 0   691  76.3   0.0   32.6    0.0   0.0     0.0   32.6    0.0  1397.2     0.0    -- no name -
-
 9635 -  9634    8 0   914  76.3   0.0   43.1    0.0   0.0     0.0   43.1    0.0  1440.3     0.0    -- no name -
-
 9634 -  9645    8 0  1176  76.7   0.0   55.2    0.0   0.0     0.0   55.2    0.0  1495.5     0.0    -- no name -
-
 9645 -  9627    8 0  1587  76.7   0.0   74.5    0.0   0.0     0.0   74.5    0.0  1570.0     0.0    SH 1
 9627 -  9628   10 0  2656  98.9   0.0   96.7    0.0   0.0     0.0   96.7    0.0  1666.7     0.0    -- no name -
-
 9628 -  9685   10 0   676  98.9   0.0   24.6    0.0   0.0     0.0   24.6    0.0  1691.3     0.0    SH 1
 9685 -  9629   10 0  3279  98.9   0.0  119.4    0.0   0.0     0.0  119.4    0.0  1810.6     0.0    SH 1
 9629 -  9630   10 0   704  98.8   0.0   25.7    0.0   0.0     0.0   25.7    0.0  1836.3     0.0    SH 1
 9630 -  9683   10 0  2125  98.8   0.0   77.4    0.0   0.0     0.0   77.4    0.0  1913.7     0.0    SH 1
 9683 -  9684   10 0    91  98.8   0.0    3.3    0.0   0.0     0.0    3.3    0.0  1917.0     0.0    SH 1
 9684 -  9619   10 0   693  97.7   0.0   25.5    0.0   0.0     0.0   25.5    0.0  1942.6     0.0    SH 1
 9619 -  9620   10 0   326  97.7   0.0   12.0    0.0   0.0     0.0   12.0    0.0  1954.6     0.0    SH 1
 9620 -  9616   10 0   417  97.5   0.0   15.4    0.0   0.0     0.0   15.4    0.0  1970.0     0.0    SH 1
 9616 -  9617   10 0   488  97.5   0.0   18.0    0.0   0.0     0.0   18.0    0.0  1988.0     0.0    SH 1
 9617 -  9614   10 0   829  98.7   0.0   30.2    0.0   0.0     0.0   30.2    0.0  2018.2     0.0    SH 1
 9614 -  9502   10 0  2650  98.8   0.0   96.6    0.0   0.0     0.0   96.6    0.0  2114.8     0.0    SH 1
 9502 -  9503   10 0   586  98.8   0.0   21.4    0.0   0.0     0.0   21.4    0.0  2136.2     0.0    SH 1
 9503 -  9611   10 0   116  98.8   0.0    4.2    0.0   0.0     0.0    4.2    0.0  2140.4     0.0    SH 1
 9611 -  9610   10 0  1114  98.8   0.0   40.6    0.0   0.0     0.0   40.6    0.0  2181.0     0.0    SH 1
 9610 -  9608   10 0  2251  97.6   0.0   83.0    0.0   0.0     0.0   83.0    0.0  2264.0     0.0    SH 1
 9608 -  9639   10 0  1019  98.8   0.0   37.1    0.0   0.0     0.0   37.1    0.0  2301.1     0.0    SH 1
 9639 -  9638   10 0   404  98.8   0.0   14.7    0.0   0.0     0.0   14.7    0.0  2315.9     0.0    SH 1
 9638 -  9727   10 0  5402  98.8   0.0  196.8    0.0   0.0     0.0  196.8    0.0  2512.7     0.0    SH 1
 9727 - 13575   10 0  3975  98.7   0.0  145.0    0.0   0.0     0.0  145.0    0.0  2657.7     0.0    SH  1
13575 - 13665   10 0    22  98.7   0.0    0.8    0.0   0.0     0.0    0.8    0.0  2658.5     0.0    GREAT SOUTH
ROAD
13665 - 13772   10 0   152  98.7   0.0    5.5    0.0   0.0     0.0    5.5    0.0  2664.0     0.0    GREAT SOUTH
ROAD
13772 - 13581   10 0   133  98.8   0.0    4.8    0.0   0.0     0.0    4.8    0.0  2668.9     0.0    GREAT SOUTH
ROAD
13581 - 13513   10 0   233  98.8   0.0    8.5    0.0   0.0     0.0    8.5    0.0  2677.4     0.0    GREAT SOUTH
ROAD
13513 - 13774   10 0    47  98.8   0.0    1.7    0.0   0.0     0.0    1.7    0.0  2679.1     0.0    GREAT SOUTH
ROAD
13774 - 13522   10 0   202  97.3   0.0    7.5    0.0   0.0     0.0    7.5    0.0  2686.5     0.0    GREAT SOUTH
ROAD
13522 - 13646   10 0  1779  98.6   0.0   65.0    0.0   0.0     0.0   65.0    0.0  2751.5     0.0    GREAT SOUTH
ROAD
13646 - 13564   10 0   181  98.6   0.0    6.6    0.0   0.0     0.0    6.6    0.0  2758.1     0.0    GREAT SOUTH
ROAD
13564 - 13767   10 0    55  98.6   0.0    2.0    0.0   0.0     0.0    2.0    0.0  2760.1     0.0    GREAT SOUTH
ROAD
13767 - 13588   10 0   204  98.6   0.0    7.4    0.0   0.0     0.0    7.4    0.0  2767.6     0.0    GREAT SOUTH
ROAD
13588 - 13565   10 0   735  98.6   0.0   26.8    0.0   0.0     0.0   26.8    0.0  2794.4     0.0    GREAT SOUTH
ROAD
13565 - 13440   10 0   332  98.5   0.0   12.1    0.0   0.0     0.0   12.1    0.0  2806.5     0.0    GREAT SOUTH
ROAD
13440 - 13687   10 0    46  98.5   0.0    1.7    0.0   0.0     0.0    1.7    0.0  2808.2     0.0    SH  1
13687 - 13528   10 0  1373  98.7   0.0   50.1    0.0   0.0     0.0   50.1    0.0  2858.3     0.0    SH  1
13528 - 13527   10 0    66  98.7   0.0    2.4    0.0   0.0     0.0    2.4    0.0  2860.7     0.0    SH 1
13527 - 13671   10 0   360  98.7   0.0   13.1    0.0   0.0     0.0   13.1    0.0  2873.8     0.0    SH  1
13671 - 13484   10 0   190  98.5   0.0    6.9    0.0   0.0     0.0    6.9    0.0  2880.8     0.0    GREAT SOUTH
ROAD

Modelled Totals    67672  84.6       2818.8         62.0         2880.8
Observed Totals                0.0        2884.0          25.0         2909.0

Observed Journey Time =  2909.00     Implied Average Speed =  83.7
Modelled Journey Time =  2880.77    Modelled Average Speed =  84.6
                         99.03%                             100.98%
```

```
+----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+----------------------------------------------------------------------------------------+

Journey  4 Movement Analysis - times in seconds

R2aSB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9904 - 10053   10 0   190  98.5   0.0    6.9    0.0   0.0     0.0    6.9    0.0     0.0     0.0    GREAT SOUTH
ROAD
10053 - 13484   10 0   190  98.5   0.0    6.9    0.0   0.0     0.0    6.9    0.0     0.0     0.0    GREAT SOUTH
ROAD
13484 - 13671   10 0   190  98.4   0.0    7.0    0.0   0.0     0.0    7.0    0.0     7.0     0.0    GREAT SOUTH
ROAD
13671 - 13527   10 0   360  98.5   0.0   13.2    0.0   0.0     0.0   13.2    0.0    20.1     0.0    SH  1
13527 - 13528   10 0    66  98.5   0.0    2.4    0.0   0.0     0.0    2.4    0.0    22.5     0.0    SH 1
13528 - 13687   10 0  1373  98.5   0.0   50.2    0.0   0.0     0.0   50.2    0.0    72.7     0.0    SH  1
13687 - 13440   10 0    46  98.5   0.0    1.7    0.0   0.0     0.0    1.7    0.0    74.4     0.0    SH  1
13440 - 13565   10 0   332  98.4   0.0   12.1    0.0   0.0     0.0   12.1    0.0    86.5     0.0    GREAT SOUTH
ROAD
13565 - 13588   10 0   735  98.4   0.0   26.9    0.0   0.0     0.0   26.9    0.0   113.4     0.0    GREAT SOUTH
ROAD
13588 - 13767   10 0   204  98.4   0.0    7.5    0.0   0.0     0.0    7.5    0.0   120.9     0.0    GREAT SOUTH
ROAD
13767 - 13564   10 0    55  98.4   0.0    2.0    0.0   0.0     0.0    2.0    0.0   122.9     0.0    GREAT SOUTH
ROAD
13564 - 13646   10 0   181  98.4   0.0    6.6    0.0   0.0     0.0    6.6    0.0   129.5     0.0    GREAT SOUTH
ROAD
13646 - 13522   10 0  1779  98.4   0.0   65.1    0.0   0.0     0.0   65.1    0.0   194.6     0.0    GREAT SOUTH
ROAD
13522 - 13771   10 0   482  98.4   0.0   17.6    0.0   0.0     0.0   17.6    0.0   212.2     0.0    -- no name -
-
13771 - 13770   10 0   282  98.8   0.0   10.3    0.0   0.0     0.0   10.3    0.0   222.5     0.0    -- no name -
-
13770 - 13575   10 2    22  98.7   0.0    0.8    0.0  11.0     0.0   11.8    0.0   234.3     0.0    -- no name -
-
13575 -  9727   10 0  3975  98.7   0.0  145.0    0.0   0.0     0.0  145.0    0.0   379.3     0.0    SH  1
 9727 -  9638   10 0  5402  98.8   0.0  196.8    0.0   0.0     0.0  196.8    0.0   576.1     0.0    SH 1
 9638 -  9639   10 0   404  98.8   0.0   14.7    0.0   0.0     0.0   14.7    0.0   590.9     0.0    SH 1
 9639 -  9608   10 0  1019  98.8   0.0   37.1    0.0   3.0     0.0   40.1    0.0   631.0     0.0    SH 1
 9608 -  9610   10 0  2251  97.7   0.0   82.9    0.0   0.0     0.0   82.9    0.0   713.9     0.0    SH 1
 9610 -  9611   10 0  1114  97.6   0.0   41.1    0.0   0.0     0.0   41.1    0.0   755.0     0.0    SH 1
 9611 -  9503   10 0   116  97.6   0.0    4.3    0.0   0.0     0.0    4.3    0.0   759.3     0.0    SH 1
 9503 -  9502   10 0   586  97.6   0.0   21.6    0.0   0.0     0.0   21.6    0.0   780.9     0.0    SH 1
 9502 -  9614   10 0  2650  98.8   0.0   96.6    0.0   0.0     0.0   96.6    0.0   877.5     0.0    SH 1
 9614 -  9617   10 0   829  98.8   0.0   30.2    0.0   0.0     0.0   30.2    0.0   907.7     0.0    SH 1
 9617 -  9616   10 0   488  97.5   0.0   18.0    0.0   0.0     0.0   18.0    0.0   925.7     0.0    SH 1
 9616 -  9620   10 0   417  97.5   0.0   15.4    0.0   0.0     0.0   15.4    0.0   941.1     0.0    SH 1
 9620 -  9619   10 0   326  98.0   0.0   12.0    0.0   0.0     0.0   12.0    0.0   953.1     0.0    SH 1
 9619 -  9684   10 0   693  98.0   0.0   25.5    0.0   0.0     0.0   25.5    0.0   978.5     0.0    SH 1
 9684 -  9691   10 0    96  99.0   0.0    3.5    0.0   0.0     0.0    3.5    0.0   982.0     0.0    SH 1
 9691 -  9689   10 0  6035  99.0   0.0  219.5    0.0   0.0     0.0  219.5    0.0  1201.5     0.0    SH 1
 9689 -  9688   10 0   753  99.1   0.0   27.4    0.0   0.0     0.0   27.4    0.0  1228.8     0.0    SH 1
 9688 -  9627   10 0  2664  99.0   0.0   96.9    0.0   0.0     0.0   96.9    0.0  1325.7     0.0    -- no name -
-
 9627 -  9645    8 0  1587  77.0   0.0   74.2    0.0   0.0     0.0   74.2    0.0  1399.9     0.0    SH 1
 9645 -  9634    8 0  1176  77.0   0.0   55.0    0.0   0.0     0.0   55.0    0.0  1454.9     0.0    -- no name -
-
 9634 -  9635    8 0   914  77.0   0.0   42.7    0.0   0.0     0.0   42.7    0.0  1497.6     0.0    -- no name -
-
 9635 -  9733    8 0   691  77.0   0.0   32.3    0.0  13.0     0.0   45.3    0.0  1542.9     0.0    -- no name -
-
 9733 -  9761    8 0   285  76.4   0.0   13.4    0.0   0.0     0.0   13.4    0.0  1556.3     0.0    -- no name -
-
 9761 -  9744    8 0    12  76.4   0.0    0.6    0.0   0.0     0.0    0.6    0.0  1556.9     0.0    -- no name -
-
 9744 -  9762    8 0    13  76.6   0.0    0.6    0.0   0.0     0.0    0.6    0.0  1557.5     0.0    -- no name -
-
 9762 -  9631    8 0   148  76.6   0.0    7.0    0.0   0.0     0.0    7.0    0.0  1564.5     0.0    -- no name -
-
 9631 -  9752    8 0   202  76.6   0.0    9.5    0.0   0.0     0.0    9.5    0.0  1574.0     0.0    -- no name -
-
 9752 -  9742    8 0    21  76.6   0.0    1.0    0.0   0.0     0.0    1.0    0.0  1575.0     0.0    -- no name -
-
 9742 -  9753    8 0    16  76.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0  1575.7     0.0    -- no name -
-
 9753 -  9743    8 0   383  76.2   0.0   18.1    0.0   0.0     0.0   18.1    0.0  1593.8     0.0    -- no name -
-
 9743 -  9772    8 0   336  75.9   0.0   15.9    0.0   0.0     0.0   15.9    0.0  1609.7     0.0    -- no name -
-
 9772 -  9943    8 6    26  75.9   0.0    1.2    0.0   8.0     0.0    9.2    0.0  1619.0     0.0    -- no name -
-
 9943 -  9771    8 0    21  75.5   0.0    1.0    0.0   0.0     0.0    1.0    0.0  1620.0     0.0    -- no name -
-
 9771 -  9917    8 0  2559  75.5   0.0  122.0    0.0   0.0     0.0  122.0    0.0  1742.0     0.0    -- no name -
-
 9917 -  9789    8 0  3303  75.5   0.0  157.5    0.0   0.0     0.0  157.5    0.0  1899.5     0.0    SH 1
 9789 - 10323    7 0   374  65.7   0.0   20.5    0.0   0.0     0.0   20.5    0.0  1920.0     0.0    SH 1
10323 -  5524    7 0    25  66.9   0.0    1.3    0.0   0.0     0.0    1.3    0.0  1921.3     0.0    SH 1
 5524 -  5594    7 0   404  66.5   0.0   21.9    0.0   0.0     0.0   21.9    0.0  1943.2     0.0    SH 1
```

5594	-	10324	7	0	125	66.5	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1950.0	0.0	SH 1
10324	-	5523	7	0	119	66.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1956.4	0.0	SH 1
5523	-	5522	7	0	161	66.5	0.0	8.7	0.0	0.0	0.0	8.7	0.0	1965.1	0.0	SH 1
5522	-	4799	7	0	651	66.5	0.0	35.2	0.0	0.0	0.0	35.2	0.0	2000.4	0.0	SH 1
4799	-	4800	9	0	1097	87.4	0.0	45.2	0.0	0.0	0.0	45.2	0.0	2045.6	0.0	SH 1
4800	-	2688	9	0	225	87.5	0.0	9.3	0.0	0.0	0.0	9.3	0.0	2054.8	0.0	SH 1
2688	-	5712	9	0	192	87.5	0.0	7.9	0.0	0.0	0.0	7.9	0.0	2062.7	0.0	
5712	-	2811	9	0	1301	87.5	0.0	53.5	0.0	0.0	0.0	53.5	0.0	2116.2	0.0	SH 1
2811	-	2849	9	0	864	87.5	0.0	35.5	0.0	0.0	0.0	35.5	0.0	2151.8	0.0	SH 1
2849	-	2818	9	0	430	87.5	0.0	17.7	0.0	0.0	0.0	17.7	0.0	2169.5	0.0	SH 1
2818	-	10229	9	0	547	87.6	0.0	22.5	0.0	0.0	0.0	22.5	0.0	2192.0	0.0	SH 1
10229	-	5521	6	0	139	56.9	0.0	8.8	0.0	0.0	0.0	8.8	0.0	2200.7	0.0	SH 1
5521	-	4183	6	0	150	56.9	0.0	9.5	0.0	0.0	0.0	9.5	0.0	2210.2	0.0	SH 1
4183	-	4184	6	0	164	56.9	0.0	10.4	0.0	0.0	0.0	10.4	0.0	2220.6	0.0	SH 1
4184	-	5497	6	0	15	56.7	0.0	1.0	0.0	1.0	0.0	2.0	0.0	2222.6	0.0	
5497	-	5765	6	0	321	56.4	0.0	20.5	0.0	0.0	0.0	20.5	0.0	2243.1	0.0	
5765	-	5810	6	0	66	56.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2247.3	0.0	SH 1
5810	-	5731	6	0	92	56.3	0.0	5.9	0.0	0.0	0.0	5.9	0.0	2253.2	0.0	SH 1
5731	-	5684	15	0	146	51.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	2263.3	0.0	SH 1
5684	-	5764	15	0	170	51.8	0.0	11.8	0.0	0.0	0.0	11.8	0.0	2275.1	0.0	SH 1
5764	-	5729	15	0	172	51.7	0.0	12.0	0.0	0.0	0.0	12.0	0.0	2287.1	0.0	SH 1
5729	-	5824	15	0	305	51.7	0.0	21.2	0.0	0.0	0.0	21.2	0.0	2308.3	0.0	SH 1
5824	-	4603	15	0	99	52.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	2315.1	0.0	
4603	-	10230	15	0	88	52.1	0.0	6.1	0.0	0.0	0.0	6.1	0.0	2321.2	0.0	SH 1
10230	-	5520	7	0	153	67.4	0.0	8.2	0.0	0.0	0.0	8.2	0.0	2329.4	0.0	SH 1
5520	-	2809	7	0	439	67.1	0.0	23.6	0.0	0.0	0.0	23.6	0.0	2352.9	0.0	SH 1
2809	-	5519	7	0	359	67.0	0.0	19.3	0.0	0.0	0.0	19.3	0.0	2372.2	0.0	SH 1
5519	-	5577	7	0	28	66.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	2373.7	0.0	
5577	-	3780	7	0	182	66.9	0.0	9.8	0.0	0.0	0.0	9.8	0.0	2383.5	0.0	SH 1
3780	-	3779	7	0	134	66.9	0.0	7.2	0.0	0.0	0.0	7.2	0.0	2390.7	0.0	SH 1
3779	-	4796	10	0	715	98.0	0.0	26.3	0.0	0.0	0.0	26.3	0.0	2417.0	0.0	SH 1
4796	-	10585	9	0	61	87.1	0.0	2.5	0.0	0.0	0.0	2.5	0.0	2419.5	0.0	SH 1
10585	-	2696	10	0	949	98.0	0.0	34.9	0.0	0.0	0.0	34.9	0.0	2454.4	0.0	SH 1
2696	-	10335	10	0	10	98.1	0.0	0.4	0.0	0.0	0.0	0.4	0.0	2454.8	0.0	SH 1
10335	-	4602	10	0	536	98.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	2474.4	0.0	SH 1
4602	-	2831	10	0	482	97.8	0.0	17.7	0.0	0.0	0.0	17.7	0.0	2492.2	0.0	SH 1
2831	-	2837	10	0	83	97.8	0.0	3.1	0.0	0.0	0.0	3.1	0.0	2495.2	0.0	SH 1
2837	-	2833	10	0	196	97.8	0.0	7.2	0.0	0.0	0.0	7.2	0.0	2502.4	0.0	SH 1
2833	-	2827	10	0	384	97.8	0.0	14.1	0.0	0.0	0.0	14.1	0.0	2516.6	0.0	SH 1
2827	-	5565	10	0	315	97.8	0.0	11.6	0.0	0.0	0.0	11.6	0.0	2528.2	0.0	SH 1
5565	-	2544	10	0	186	97.8	0.0	6.8	0.0	0.0	0.0	6.8	0.0	2535.0	0.0	SH 1
2544	-	2679	10	0	144	97.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	2540.3	0.0	SH 1
2679	-	10680	10	0	567	97.8	0.0	20.9	0.0	0.0	0.0	20.9	0.0	2561.2	0.0	SH 1
10680	-	2680	10	0	739	97.8	0.0	27.2	0.0	0.0	0.0	27.2	0.0	2588.4	0.0	SH 1
2680	-	2678	10	0	89	97.8	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2591.7	0.0	SH 1
2678	-	2545	10	0	350	97.8	0.0	12.9	0.0	0.0	0.0	12.9	0.0	2604.5	0.0	SH 1
2545	-	2806	10	0	345	97.8	0.0	12.7	0.0	0.0	0.0	12.7	0.0	2617.2	0.0	SH 1
2806	-	2803	10	0	276	97.8	0.0	10.2	0.0	0.0	0.0	10.2	0.0	2627.4	0.0	SH 1
2803	-	10419	10	0	37	97.8	0.0	1.4	0.0	0.0	0.0	1.4	0.0	2628.8	0.0	
10419	-	2802	10	0	199	97.8	0.0	7.3	0.0	0.0	0.0	7.3	0.0	2636.1	0.0	
2802	-	3797	10	0	139	97.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	2641.2	0.0	SH 1
3797	-	3296	9	0	475	87.4	0.0	19.6	0.0	0.0	0.0	19.6	0.0	2660.8	0.0	GREAT SOUTH ROAD
3296	-	3798	9	0	747	87.3	0.0	30.8	0.0	0.0	0.0	30.8	0.0	2691.6	0.0	GREAT SOUTH ROAD
3798	-	6799	9	0	101	86.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	2695.8	0.0	TE RAPA ROAD
6799	-	3508	9	0	1043	86.3	0.0	43.5	0.0	0.0	0.0	43.5	0.0	2739.3	0.0	TE RAPA ROAD
3508	-	3504	8	3	114	77.8	0.0	5.3	0.0	14.0	0.0	19.3	0.0	2758.6	0.0	TE RAPA ROAD
3504	-	3511	15	0	118	51.7	0.0	8.2	0.0	4.0	0.0	12.2	0.0	2770.8	0.0	GREAT SOUTH ROAD
3511	-	3513	15	0	344	40.9	0.0	30.3	0.0	0.0	0.0	30.3	0.0	2801.1	0.0	GREAT SOUTH ROAD
3513	-	3501	15	3	68	51.7	0.0	4.7	0.0	11.0	0.0	15.7	0.0	2816.8	0.0	GREAT SOUTH ROAD
3501	-	3514	15	0	180	51.6	0.0	12.6	0.0	0.0	0.0	12.6	0.0	2829.3	0.0	GREAT SOUTH ROAD
3514	-	3488	15	0	163	51.6	0.0	11.4	0.0	0.0	0.0	11.4	0.0	2840.7	0.0	GREAT SOUTH ROAD
3488	-	3480	15	3	176	51.6	0.0	12.3	0.0	17.3	0.0	29.6	0.0	2870.3	0.0	GREAT SOUTH ROAD

Modelled Totals			67686	84.9		2788.0		82.3		2870.3						
Observed Totals					0.0		2895.0		8.3		2903.3					

Observed Journey Time = 2903.29 Implied Average Speed = 83.9
Modelled Journey Time = 2870.30 Modelled Average Speed = 84.9
98.86% 101.15%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  5 Movement Analysis - times in seconds

R2cNB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6429 -  4356    5 0    95  46.1   0.0    7.4    0.0   0.0     0.0    7.4    0.0     7.4     0.0    SH 1
 4356 -  5394    5 0    85  46.4   0.0    6.6    0.0   1.0     0.0    7.6    0.0    15.0     0.0    SH 1
 5394 -  5393    5 0   221  46.3   0.0   17.2    0.0   1.0     0.0   18.2    0.0    33.2     0.0    SH 1
 5393 - 10296    5 0   109  46.3   0.0    8.5    0.0   0.0     0.0    8.5    0.0    41.7     0.0    SH 1
10296 -  5397    5 0   118  46.3   0.0    9.2    0.0   0.0     0.0    9.2    0.0    50.8     0.0    SH 1
 5397 -  6087    6 0   102  56.3   0.0    6.5    0.0   0.0     0.0    6.5    0.0    57.4     0.0    SH 1
 6087 -  5911    6 0   125  56.3   0.0    8.0    0.0   1.0     0.0    9.0    0.0    66.4     0.0    SH 1
 5911 -  4551    7 0   370  67.0   0.0   19.9    0.0   0.0     0.0   19.9    0.0    86.2     0.0    SH 1
 4551 -  4825   19 0   737  92.3   0.0   28.7    0.0   0.0     0.0   28.7    0.0   115.0     0.0    SH 1
 4825 -  4536   19 0   474  92.4   0.0   18.5    0.0   0.0     0.0   18.5    0.0   133.5     0.0    SH 1
 4536 -  6402   19 0   393  92.5   0.0   15.3    0.0   0.0     0.0   15.3    0.0   148.8     0.0    SH 1
 6402 -  2637   19 0   139  92.5   0.0    5.4    0.0   0.0     0.0    5.4    0.0   154.2     0.0    SH 1
 2637 -  2638   19 0    85  92.5   0.0    3.3    0.0   0.0     0.0    3.3    0.0   157.5     0.0    SH 1
 2638 - 10318   19 0   246  93.9   0.0    9.4    0.0   0.0     0.0    9.4    0.0   166.9     0.0    SH 1
10318 -  4128   10 0   811  99.1   0.0   29.5    0.0   0.0     0.0   29.5    0.0   196.4     0.0    SH 1
 4128 -  6117   10 0  1445  98.2   0.0   53.0    0.0   1.0     0.0   54.0    0.0   250.3     0.0    SH 1
 6117 -  6116   10 0   774  98.2   0.0   28.4    0.0   0.0     0.0   28.4    0.0   278.7     0.0    CAMBRIDGE
ROAD
 6116 -  6118   10 0  1205  98.3   0.0   44.1    0.0   0.0     0.0   44.1    0.0   322.8     0.0    CAMBRIDGE
ROAD
 6118 -  6119   10 0   255  98.1   0.0    9.4    0.0   0.0     0.0    9.4    0.0   332.2     0.0    CAMBRIDGE
ROAD
 6119 -  5849   10 0  1419  98.1   0.0   52.1    0.0   0.0     0.0   52.1    0.0   384.3     0.0    CAMBRIDGE
ROAD
 5849 -  5690   10 0   736  98.1   0.0   27.0    0.0   0.0     0.0   27.0    0.0   411.3     0.0    CAMBRIDGE
ROAD
 5690 -  5805   10 0   210  97.9   0.0    7.7    0.0   0.0     0.0    7.7    0.0   419.0     0.0    CAMBRIDGE
ROAD
 5805 -  5623   10 0   326  98.9   0.0   11.9    0.0   0.0     0.0   11.9    0.0   430.9     0.0    CAMBRIDGE
ROAD
 5623 -  2861   10 0  1692  98.9   0.0   61.6    0.0   0.0     0.0   61.6    0.0   492.5     0.0    CAMBRIDGE
ROAD
 2861 -  4154   10 0   933  99.0   0.0   33.9    0.0   0.0     0.0   33.9    0.0   526.4     0.0    CAMBRIDGE
ROAD
 4154 -  4155   10 0   353  98.9   0.0   12.8    0.0   0.0     0.0   12.8    0.0   539.2     0.0    CAMBRIDGE
ROAD
 4155 -  2786   10 0   156  98.9   0.0    5.7    0.0   3.0     0.0    8.7    0.0   547.9     0.0    CAMBRIDGE
ROAD
 2786 -  3907   10 0   747  97.7   0.0   27.5    0.0   0.0     0.0   27.5    0.0   575.4     0.0    CAMBRIDGE
ROAD
 3907 -  3424   10 0  1026  97.7   0.0   37.8    0.0   0.0     0.0   37.8    0.0   613.2     0.0    CAMBRIDGE
ROAD
 3424 -  4926    9 0   557  86.6   0.0   23.2    0.0   0.0     0.0   23.2    0.0   636.4     0.0    SH 1
 4926 -  3428    9 0   331  86.0   0.0   13.9    0.0   0.0     0.0   13.9    0.0   650.3     0.0    CAMBRIDGE
ROAD
 3428 -  3429    7 0    11  67.6   0.0    0.6    0.0   0.0     0.0    0.6    0.0   650.8     0.0
 3429 -  3586    7 0   102  67.7   0.0    5.4    0.0   0.0     0.0    5.4    0.0   656.3     0.0    CAMBRIDGE
ROAD
 3586 -  3587    7 0    80  67.7   0.0    4.3    0.0   0.0     0.0    4.3    0.0   660.5     0.0    CAMBRIDGE
ROAD
 3587 -  4157    6 0   145  57.1   0.0    9.1    0.0   0.0     0.0    9.1    0.0   669.7     0.0    CAMBRIDGE
ROAD
 4157 - 10700    6 0    84  57.0   0.0    5.3    0.0   0.0     0.0    5.3    0.0   675.0     0.0    CAMBRIDGE
ROAD
10700 -  3072    6 0   153  57.0   0.0    9.7    0.0   0.2     0.0    9.9    0.0   684.8     0.0    CAMBRIDGE
ROAD

Modelled Totals    16850  88.6        677.6          7.2          684.8
Observed Totals                 0.0         724.8          10.2         735.0

Observed Journey Time =   734.95     Implied Average Speed =  82.5
Modelled Journey Time =   684.83    Modelled Average Speed =  88.6
                          93.18%                             107.32%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  6 Movement Analysis - times in seconds

R2cSB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3072 -  3076    6 3   124  57.1   0.0    7.8    0.0   0.0     0.0    7.8    0.0     7.8     0.0    CAMBRIDGE
ROAD
 3076 -  3072    6 0   124  56.4   0.0    7.9    0.0   0.0     0.0    7.9    0.0    15.7     0.0    CAMBRIDGE
ROAD
 3072 - 10700    6 0   153  56.4   0.0    9.8    0.0   4.0     0.0   13.8    0.0    29.5     0.0    CAMBRIDGE
ROAD
10700 -  4157    6 0    84  48.2   0.0    6.3    0.0   0.0     0.0    6.3    0.0    35.8     0.0    CAMBRIDGE
ROAD
 4157 -  3587    6 0   145  48.9   0.0   10.7    0.0   0.0     0.0   10.7    0.0    46.4     0.0    CAMBRIDGE
ROAD
 3587 -  3586    7 0    80  62.7   0.0    4.6    0.0   0.0     0.0    4.6    0.0    51.0     0.0    CAMBRIDGE
ROAD
 3586 -  3429    7 0   102  62.5   0.0    5.9    0.0   0.0     0.0    5.9    0.0    56.9     0.0    CAMBRIDGE
ROAD
 3429 -  3428    7 0    11  62.5   0.0    0.6    0.0   0.0     0.0    0.6    0.0    57.5     0.0
 3428 -  4926    9 0   331  85.2   0.0   14.0    0.0   0.0     0.0   14.0    0.0    71.5     0.0    CAMBRIDGE
ROAD
 4926 -  3424    9 0   557  85.8   0.0   23.4    0.0   0.0     0.0   23.4    0.0    94.9     0.0    SH 1
 3424 -  3907   10 0  1026  97.1   0.0   38.0    0.0   0.0     0.0   38.0    0.0   132.9     0.0    CAMBRIDGE
ROAD
 3907 -  2786   10 0   747  97.2   0.0   27.7    0.0   0.0     0.0   27.7    0.0   160.6     0.0    CAMBRIDGE
ROAD
 2786 -  4155   10 0   156  98.6   0.0    5.7    0.0   0.0     0.0    5.7    0.0   166.3     0.0    CAMBRIDGE
ROAD
 4155 -  4154   10 0   353  98.6   0.0   12.9    0.0   0.0     0.0   12.9    0.0   179.2     0.0    CAMBRIDGE
ROAD
 4154 -  2861   10 0   933  98.8   0.0   34.0    0.0   0.0     0.0   34.0    0.0   213.2     0.0    CAMBRIDGE
ROAD
 2861 -  5623   10 0  1692  98.7   0.0   61.7    0.0   0.0     0.0   61.7    0.0   274.9     0.0    CAMBRIDGE
ROAD
 5623 -  5805   10 0   326  98.7   0.0   11.9    0.0   0.0     0.0   11.9    0.0   286.8     0.0    CAMBRIDGE
ROAD
 5805 -  5690   10 0   210  97.6   0.0    7.7    0.0   0.0     0.0    7.7    0.0   294.5     0.0    CAMBRIDGE
ROAD
 5690 -  5849   10 0   736  97.9   0.0   27.1    0.0   0.0     0.0   27.1    0.0   321.6     0.0    CAMBRIDGE
ROAD
 5849 -  6119   10 0  1419  97.9   0.0   52.2    0.0   0.0     0.0   52.2    0.0   373.8     0.0    CAMBRIDGE
ROAD
 6119 -  6118   10 0   255  97.9   0.0    9.4    0.0   0.0     0.0    9.4    0.0   383.2     0.0    CAMBRIDGE
ROAD
 6118 -  6116   10 0  1205  98.1   0.0   44.2    0.0   0.0     0.0   44.2    0.0   427.4     0.0    CAMBRIDGE
ROAD
 6116 -  6117   10 0   774  98.1   0.0   28.4    0.0   2.0     0.0   30.4    0.0   457.8     0.0    CAMBRIDGE
ROAD
 6117 -  4128   10 0  1445  99.0   0.0   52.5    0.0   0.0     0.0   52.5    0.0   510.3     0.0    SH 1
 4128 - 10318   10 0   811  98.1   0.0   29.8    0.0   0.0     0.0   29.8    0.0   540.1     0.0    SH 1
10318 -  2638   19 0   246  92.3   0.0    9.6    0.0   0.0     0.0    9.6    0.0   549.7     0.0    SH 1
 2638 -  2637   19 0    85  92.3   0.0    3.3    0.0   0.0     0.0    3.3    0.0   553.0     0.0    SH 1
 2637 -  6402   19 0   139  92.3   0.0    5.4    0.0   0.0     0.0    5.4    0.0   558.4     0.0    SH 1
 6402 -  4536   19 0   393  92.3   0.0   15.3    0.0   0.0     0.0   15.3    0.0   573.8     0.0    SH 1
 4536 -  4825   19 0   474  92.2   0.0   18.5    0.0   0.0     0.0   18.5    0.0   592.3     0.0    SH 1
 4825 -  4551   19 0   737  92.1   0.0   28.8    0.0   0.0     0.0   28.8    0.0   621.1     0.0    SH 1
 4551 -  5911    7 0   370  66.8   0.0   19.9    0.0   2.0     0.0   21.9    0.0   643.0     0.0    SH 1
 5911 -  6087    6 0   125  56.1   0.0    8.0    0.0   0.0     0.0    8.0    0.0   651.0     0.0    SH 1
 6087 -  5397    6 0   102  56.1   0.0    6.5    0.0   2.0     0.0    8.5    0.0   659.6     0.0    SH 1
 5397 - 10296    5 0   118  45.8   0.0    9.3    0.0   0.0     0.0    9.3    0.0   668.9     0.0    SH 1
10296 -  5393    5 0   109  45.8   0.0    8.6    0.0   2.0     0.0   10.6    0.0   679.4     0.0    SH 1
 5393 -  5394    5 0   221  45.9   0.0   17.3    0.0   1.7     0.0   19.0    0.0   698.5     0.0    SH 1

Modelled Totals    16918  87.2        684.8          13.7          698.5
Observed Totals                 0.0          728.0           0.6          728.6

Observed Journey Time =   728.60     Implied Average Speed =  83.6
Modelled Journey Time =   698.45    Modelled Average Speed =  87.2
                          95.86%                            104.32%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  7 Movement Analysis - times in seconds

R2dNB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 9681	6	0	991	57.5	0.0	62.0	0.0	0.0	0.0	62.0	0.0	62.0	0.0	MAIN ROAD
9681 - 10200	5	0	235	47.2	0.0	17.9	0.0	0.0	0.0	17.9	0.0	80.0	0.0	MAIN ROAD
10200 - 10149	5	0	164	47.1	0.0	12.5	0.0	0.0	0.0	12.5	0.0	92.5	0.0	MAIN ROAD
10149 - 10195	5	0	256	47.0	0.0	19.6	0.0	0.0	0.0	19.6	0.0	112.1	0.0	MAIN ROAD
10195 - 10151	5	0	27	47.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0	114.2	0.0	MAIN ROAD
10151 - 10197	15	0	21	52.5	0.0	1.4	0.0	0.0	0.0	1.4	0.0	115.6	0.0	MAIN ROAD
10197 - 9726	15	0	307	53.2	0.0	20.8	0.0	0.0	0.0	20.8	0.0	136.4	0.0	MAIN ROAD
9726 - 10203	10	0	4383	99.1	0.0	159.2	0.0	0.0	0.0	159.2	0.0	295.6	0.0	SH 1
10203 - 9884	10	0	4991	99.2	0.0	181.1	0.0	0.0	0.0	181.1	0.0	476.7	0.0	SH 1
9884 - 8495	10	0	963	99.1	0.0	35.0	0.0	0.0	0.0	35.0	0.0	511.7	0.0	SH 1
8495 - 9839	10	0	21	98.6	0.0	0.8	0.0	0.0	0.0	0.8	0.0	512.5	0.0	SH 1
9839 - 8496	10	0	28	98.5	0.0	1.0	0.0	0.0	0.0	1.0	0.0	513.5	0.0	TIRAU ROAD
8496 - 9838	10	0	1596	98.5	0.0	58.3	0.0	0.0	0.0	58.3	0.0	571.8	0.0	TIRAU ROAD
9838 - 10712	19	0	4338	93.0	0.0	167.9	0.0	0.0	0.0	167.9	0.0	739.8	0.0	TIRAU ROAD
10712 - 9526	19	0	6071	93.0	0.0	235.0	0.0	0.0	0.0	235.0	0.0	974.8	0.0	TIRAU ROAD
9526 - 8186	10	0	61	98.2	0.0	2.2	0.0	0.0	0.0	2.2	0.0	977.0	0.0	TIRAU ROAD
8186 - 10788	19	0	223	92.6	0.0	8.7	0.0	0.0	0.0	8.7	0.0	985.7	0.0	TIRAU ROAD
10788 - 6597	19	0	1129	92.6	0.0	43.9	0.0	0.0	0.0	43.9	0.0	1029.6	0.0	TIRAU ROAD
6597 - 2604	19	0	918	92.6	0.0	35.7	0.0	0.0	0.0	35.7	0.0	1065.3	0.0	TIRAU ROAD
2604 - 2602	19	0	255	92.6	0.0	9.9	0.0	0.0	0.0	9.9	0.0	1075.2	0.0	SH 1
2602 - 4808	19	0	4133	92.6	0.0	160.7	0.0	0.0	0.0	160.7	0.0	1235.9	0.0	SH 1
4808 - 10272	8	0	508	77.1	0.0	23.7	0.0	0.0	0.0	23.7	0.0	1259.6	0.0	Tirau Road
10272 - 4807	17	0	35	73.2	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1261.3	0.0	Tirau Road
4807 - 8446	17	0	35	73.2	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1263.0	0.0	Tirau Road
8446 - 5411	6	0	208	56.9	0.0	13.2	0.0	0.0	0.0	13.2	0.0	1276.2	0.0	Tirau Road
5411 - 5890	5	0	86	46.4	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1282.8	0.0	Tirau Road
5890 - 6475	5	0	36	46.0	0.0	2.8	0.0	0.0	0.0	2.8	0.0	1285.7	0.0	Tirau Road
6475 - 6444	5	0	193	46.4	0.0	15.0	0.0	0.0	0.0	15.0	0.0	1300.6	0.0	ALBERT STREET
6444 - 6167	5	0	10	46.5	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1301.4	0.0	
6167 - 10294	5	0	99	46.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1309.1	0.0	SH 1
10294 - 6168	5	0	83	46.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1315.5	0.0	SH 1
6168 - 6162	5	0	355	47.4	0.0	27.0	0.0	0.0	0.0	27.0	0.0	1342.5	0.0	SH 1
6162 - 6551	5	0	19	47.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1343.9	0.0	
6551 - 6512	5	0	72	47.4	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1349.4	0.0	SH 1
6512 - 2727	4	0	120	37.7	0.0	11.5	0.0	1.0	0.0	12.5	0.0	1361.8	0.0	SH 1
2727 - 6531	4	3	84	38.0	0.0	8.0	0.0	15.0	0.0	23.0	0.0	1384.8	0.0	SH 1
6531 - 6544	5	0	186	44.7	0.0	15.0	0.0	0.0	0.0	15.0	0.0	1399.8	0.0	SH 1
Modelled Totals	33240			85.5		1383.8		16.0		1399.8				
Observed Totals					0.0		1476.8		6.2		1483.0			

```
Observed Journey Time =  1483.00     Implied Average Speed =  80.7
Modelled Journey Time =  1399.77    Modelled Average Speed =  85.5
                         94.39%                            105.95%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  8 Movement Analysis - times in seconds

R2dSB SH1

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6544 -  6429    5 0    93  44.7   0.0    7.5    0.0   0.0     0.0    7.5    0.0     7.5     0.0    SH 1
 6429 -  6544    5 0    93  44.4   0.0    7.5    0.0   0.0     0.0    7.5    0.0    15.0     0.0    SH 1
 6544 -  6531    5 3   186  44.4   0.0   15.1    0.0   5.0     0.0   20.1    0.0    35.1     0.0    SH 1
 6531 -  2727    4 0    84  37.9   0.0    8.0    0.0   1.0     0.0    9.0    0.0    44.1     0.0    SH 1
 2727 -  6512    4 0   120  37.8   0.0   11.4    0.0   0.0     0.0   11.4    0.0    55.5     0.0    SH 1
 6512 -  6551    5 0    72  47.2   0.0    5.5    0.0   0.0     0.0    5.5    0.0    61.0     0.0    SH 1
 6551 -  6162    5 0    19  47.2   0.0    1.4    0.0   0.0     0.0    1.4    0.0    62.5     0.0
 6162 -  6168    5 0   355  47.2   0.0   27.1    0.0   0.0     0.0   27.1    0.0    89.5     0.0    SH 1
 6168 - 10294    5 0    83  46.9   0.0    6.4    0.0   0.0     0.0    6.4    0.0    95.9     0.0    SH 1
10294 -  6167    5 0    99  46.9   0.0    7.6    0.0   0.0     0.0    7.6    0.0   103.5     0.0    SH 1
 6167 -  6444    5 0    10  46.9   0.0    0.8    0.0   0.0     0.0    0.8    0.0   104.3     0.0
 6444 -  6475    5 0   193  46.3   0.0   15.0    0.0   0.0     0.0   15.0    0.0   119.3     0.0    ALBERT
STREET
 6475 -  5890    5 0    36  45.5   0.0    2.8    0.0   0.0     0.0    2.8    0.0   122.1     0.0    Tirau Road
 5890 -  5411    5 0    86  45.9   0.0    6.7    0.0   0.0     0.0    6.7    0.0   128.9     0.0    Tirau Road
 5411 -  8446    6 0   208  56.4   0.0   13.3    0.0   0.0     0.0   13.3    0.0   142.2     0.0    Tirau Road
 8446 -  4807   17 0    35  72.2   0.0    1.7    0.0   0.0     0.0    1.7    0.0   143.9     0.0    Tirau Road
 4807 - 10272   17 0    35  72.7   0.0    1.7    0.0   0.0     0.0    1.7    0.0   145.6     0.0    Tirau Road
10272 -  4808    8 0   508  77.6   0.0   23.6    0.0   0.0     0.0   23.6    0.0   169.2     0.0    Tirau Road
 4808 -  2602   19 0  4133  93.3   0.0  159.5    0.0   0.0     0.0  159.5    0.0   328.7     0.0    SH 1
 2602 -  2604   19 0   255  93.3   0.0    9.8    0.0   0.0     0.0    9.8    0.0   338.5     0.0    SH 1
 2604 -  6597   19 0   918  93.3   0.0   35.4    0.0   0.0     0.0   35.4    0.0   373.9     0.0    TIRAU ROAD
 6597 - 10788   19 0  1129  93.3   0.0   43.6    0.0   0.0     0.0   43.6    0.0   417.5     0.0    TIRAU ROAD
10788 -  8186   19 0   223  93.3   0.0    8.6    0.0   0.0     0.0    8.6    0.0   426.1     0.0    TIRAU ROAD
 8186 -  9526   10 0    61  98.7   0.0    2.2    0.0   0.0     0.0    2.2    0.0   428.3     0.0    TIRAU ROAD
 9526 - 10712   19 0  6071  93.6   0.0  233.5    0.0   0.0     0.0  233.5    0.0   661.8     0.0    TIRAU ROAD
10712 -  9838   19 0  4338  93.6   0.0  166.8    0.0   0.0     0.0  166.8    0.0   828.7     0.0    TIRAU ROAD
 9838 -  8496   10 0  1596  99.0   0.0   58.0    0.0   0.0     0.0   58.0    0.0   886.7     0.0    TIRAU ROAD
 8496 -  9839   10 0    28  99.0   0.0    1.0    0.0   2.0     0.0    3.0    0.0   889.7     0.0    TIRAU ROAD
 9839 -  8495   10 0    21  99.3   0.0    0.8    0.0   0.0     0.0    0.8    0.0   890.5     0.0    SH 1
 8495 -  9884   10 0   963  99.3   0.0   34.9    0.0   0.0     0.0   34.9    0.0   925.4     0.0    SH 1
 9884 - 10203   10 0  4991  99.4   0.0  180.8    0.0   0.0     0.0  180.8    0.0  1106.2     0.0    SH 1
10203 -  9726   10 0  4383  99.3   0.0  158.9    0.0   0.0     0.0  158.9    0.0  1265.1     0.0    SH 1
 9726 - 10197   15 0   307  53.3   0.0   20.7    0.0   0.0     0.0   20.7    0.0  1285.8     0.0    MAIN ROAD
10197 - 10151   15 0    21  53.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1287.2     0.0    MAIN ROAD
10151 - 10195    5 0    27  47.4   0.0    2.1    0.0   0.0     0.0    2.1    0.0  1289.3     0.0    MAIN ROAD
10195 - 10149    5 0   256  47.3   0.0   19.5    0.0   0.0     0.0   19.5    0.0  1308.7     0.0    MAIN ROAD
10149 - 10200    5 0   164  47.3   0.0   12.5    0.0   0.0     0.0   12.5    0.0  1321.2     0.0    MAIN ROAD
10200 -  9681    5 0   235  47.5   0.0   17.8    0.0   0.0     0.0   17.8    0.0  1339.0     0.0    MAIN ROAD

Modelled Totals    32435  87.2       1331.0          8.0         1339.0
Observed Totals                0.0        1460.1          4.7        1464.8

Observed Journey Time =  1464.81     Implied Average Speed =  79.7
Modelled Journey Time =  1339.03    Modelled Average Speed =  87.2
                         91.41%                             109.39%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey  9 Movement Analysis - times in seconds

R3aNB SH1B

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4667 -  4668    6 0   267  59.2   0.0   16.2    0.0   0.0     0.0   16.2    0.0    16.2     0.0    SH 1B
 4668 -  5504   16 0  2255  64.5   0.0  125.9    0.0   0.0     0.0  125.9    0.0   142.1     0.0    SH 1B
 5504 -  5485   16 0   528  64.6   0.0   29.4    0.0   0.0     0.0   29.4    0.0   171.5     0.0    SH 1B
 5485 -  2822   16 4  1590  64.6   0.0   88.6    0.0  10.0     0.0   98.6    0.0   270.1     0.0    SH 1B
 2822 -  4774   19 0   241  94.6   0.0    9.2    0.0   0.0     0.0    9.2    0.0   279.3     0.0    SH 1B
 4774 -  5264   19 4  4040  94.6   0.0  153.7    0.0  20.0     0.0  173.7    0.0   453.0     0.0    SH 1B
 5264 -  4097   18 0   632  83.2   0.0   27.3    0.0   0.0     0.0   27.3    0.0   480.4     0.0    PUKETAHA
ROAD
 4097 -  5670   18 0  1635  83.8   0.0   70.2    0.0   0.0     0.0   70.2    0.0   550.6     0.0    PUKETAHA
ROAD
 5670 -  5613   18 0   838  83.8   0.0   36.0    0.0  14.0     0.0   50.0    0.0   600.6     0.0    PUKETAHA
ROAD
 5613 -  5614   17 4  1883  74.4   0.0   91.1    0.0  18.0     0.0  109.1    0.0   709.7     0.0    SH 1B
 5614 -  5681   19 0   355  93.7   0.0   13.6    0.0   0.0     0.0   13.6    0.0   723.4     0.0    SH 1B
 5681 -  5692   19 0   854  93.9   0.0   32.7    0.0   0.0     0.0   32.7    0.0   756.1     0.0    SH 1B
 5692 -  5768   19 0   505  93.6   0.0   19.4    0.0   0.0     0.0   19.4    0.0   775.5     0.0    SH 1B
 5768 -  4735   19 0   195  93.6   0.0    7.5    0.0   0.0     0.0    7.5    0.0   783.0     0.0    -- no name -
-
 4735 -  4646   19 0   222  93.6   0.0    8.5    0.0   0.0     0.0    8.5    0.0   791.6     0.0    SH 1B
 4646 -  4734   19 0   227  93.6   0.0    8.7    0.0   0.0     0.0    8.7    0.0   800.3     0.0    SH 1B
 4734 -  4802   19 0  1671  93.6   0.0   64.3    0.0   0.0     0.0   64.3    0.0   864.6     0.0    SH 1B
 4802 -  4806   19 0   670  94.1   0.0   25.6    0.0   0.0     0.0   25.6    0.0   890.2     0.0    GORDONTON
ROAD
 4806 - 10576   19 0   344  94.1   0.0   13.2    0.0   0.0     0.0   13.2    0.0   903.4     0.0    GORDONTON
ROAD
10576 -  5769   19 0   661  94.1   0.0   25.3    0.0   0.0     0.0   25.3    0.0   928.7     0.0    GORDONTON
ROAD
 5769 -  2698   19 0  1907  94.2   0.0   72.9    0.0   0.0     0.0   72.9    0.0  1001.5     0.0    GORDONTON
ROAD
 2698 -  2697   19 0   104  94.0   0.0    4.0    0.0   0.0     0.0    4.0    0.0  1005.5     0.0    SH 1B
 2697 - 10577   19 0  1850  94.2   0.0   70.7    0.0   0.0     0.0   70.7    0.0  1076.2     0.0    GORDONTON
ROAD
10577 -  2687   19 0   197  94.2   0.0    7.5    0.0   0.0     0.0    7.5    0.0  1083.8     0.0    GORDONTON
ROAD
 2687 - 10682   10 0   840  99.3   0.0   30.5    0.0   0.0     0.0   30.5    0.0  1114.2     0.0    GORDONTON
ROAD
10682 -  2705   10 0   895  99.3   0.0   32.4    0.0   0.0     0.0   32.4    0.0  1146.7     0.0    GORDONTON
ROAD
 2705 - 10578   10 0  1785  99.3   0.0   64.7    0.0   0.0     0.0   64.7    0.0  1211.4     0.0    GORDONTON
ROAD
10578 - 10325   19 0  1427  94.2   0.0   54.5    0.0   0.0     0.0   54.5    0.0  1265.9     0.0    SH 1B
10325 -  4845   16 0   102  64.1   0.0    5.7    0.0   0.0     0.0    5.7    0.0  1271.6     0.0    SH 1B
 4845 -  5702   16 0   183  64.1   0.0   10.3    0.0   0.0     0.0   10.3    0.0  1281.9     0.0
 5702 -  5525   16 0   269  63.6   0.0   15.2    0.0   0.0     0.0   15.2    0.0  1297.1     0.0    GORDONTON
ROAD

Modelled Totals    29172  81.0       1235.1         62.0         1297.1
Observed Totals                0.0        1220.7          43.3        1264.0

Observed Journey Time =  1263.99     Implied Average Speed =  83.1
Modelled Journey Time =  1297.13    Modelled Average Speed =  81.0
                         102.62%                             97.44%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 10 Movement Analysis - times in seconds

R3aSB SH1B

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
10322 -  5525   16 0   125  62.9   0.0    7.2    0.0   0.0     0.0    7.2    0.0     7.2     0.0    SH 1B
 5525 -  5702   16 0   269  62.9   0.0   15.4    0.0   0.0     0.0   15.4    0.0    22.6     0.0    GORDONTON
ROAD
 5702 -  4845   16 0   183  63.7   0.0   10.3    0.0   0.0     0.0   10.3    0.0    32.9     0.0
 4845 - 10325   16 0   102  63.7   0.0    5.8    0.0   0.0     0.0    5.8    0.0    38.7     0.0    SH 1B
10325 - 10578   19 0  1427  93.9   0.0   54.7    0.0   0.0     0.0   54.7    0.0    93.4     0.0    SH 1B
10578 -  2705   10 0  1785  99.1   0.0   64.8    0.0   0.0     0.0   64.8    0.0   158.2     0.0    GORDONTON
ROAD
 2705 - 10682   10 0   895  99.1   0.0   32.5    0.0   0.0     0.0   32.5    0.0   190.7     0.0    GORDONTON
ROAD
10682 -  2687   10 0   840  99.1   0.0   30.5    0.0   0.0     0.0   30.5    0.0   221.2     0.0    GORDONTON
ROAD
 2687 - 10577   19 0   197  93.9   0.0    7.6    0.0   0.0     0.0    7.6    0.0   228.8     0.0    GORDONTON
ROAD
10577 -  2697   19 0  1850  93.9   0.0   70.9    0.0   0.0     0.0   70.9    0.0   299.7     0.0    GORDONTON
ROAD
 2697 -  2698   19 0   104  93.8   0.0    4.0    0.0   0.0     0.0    4.0    0.0   303.7     0.0    SH 1B
 2698 -  5769   19 0  1907  93.9   0.0   73.1    0.0   0.0     0.0   73.1    0.0   376.8     0.0    GORDONTON
ROAD
 5769 - 10576   19 0   661  93.8   0.0   25.4    0.0   0.0     0.0   25.4    0.0   402.2     0.0    GORDONTON
ROAD
10576 -  4806   19 0   344  93.8   0.0   13.2    0.0   0.0     0.0   13.2    0.0   415.4     0.0    GORDONTON
ROAD
 4806 -  4802   19 0   670  93.8   0.0   25.7    0.0   0.0     0.0   25.7    0.0   441.1     0.0    GORDONTON
ROAD
 4802 -  4734   19 0  1671  93.5   0.0   64.3    0.0   0.0     0.0   64.3    0.0   505.4     0.0    SH 1B
 4734 -  4646   19 0   227  93.5   0.0    8.7    0.0   0.0     0.0    8.7    0.0   514.2     0.0    SH 1B
 4646 -  4735   19 0   222  93.5   0.0    8.5    0.0   0.0     0.0    8.5    0.0   522.7     0.0    SH 1B
 4735 -  5768   19 0   195  93.5   0.0    7.5    0.0   0.0     0.0    7.5    0.0   530.2     0.0    -- no name -
-
 5768 -  5692   19 0   505  93.5   0.0   19.4    0.0   0.0     0.0   19.4    0.0   549.7     0.0    SH 1B
 5692 -  5681   19 0   854  93.6   0.0   32.8    0.0   0.0     0.0   32.8    0.0   582.5     0.0    SH 1B
 5681 -  5614   19 0   355  93.6   0.0   13.7    0.0  16.0     0.0   29.7    0.0   612.2     0.0    SH 1B
 5614 -  5613   17 4  1883  74.3   0.0   91.2    0.0  14.0     0.0  105.2    0.0   717.4     0.0    SH 1B
 5613 -  5670   18 0   838  83.7   0.0   36.0    0.0   0.0     0.0   36.0    0.0   753.5     0.0    PUKETAHA
ROAD
 5670 -  4097   18 0  1635  83.7   0.0   70.3    0.0   0.0     0.0   70.3    0.0   823.8     0.0    PUKETAHA
ROAD
 4097 -  5264   18 0   632  83.1   0.0   27.4    0.0  16.0     0.0   43.4    0.0   867.2     0.0    PUKETAHA
ROAD
 5264 -  4774   19 0  4040  94.5   0.0  153.9    0.0   0.0     0.0  153.9    0.0  1021.1     0.0    SH 1B
 4774 -  2822   19 4   241  94.5   0.0    9.2    0.0  11.0     0.0   20.2    0.0  1041.2     0.0    SH 1B
 2822 -  5485   16 0  1590  64.5   0.0   88.7    0.0   0.0     0.0   88.7    0.0  1130.0     0.0    SH 1B
 5485 -  5504   16 0   528  64.4   0.0   29.5    0.0   0.0     0.0   29.5    0.0  1159.5     0.0    SH 1B
 5504 -  4668   16 0  2255  64.5   0.0  125.9    0.0   0.0     0.0  125.9    0.0  1285.4     0.0    SH 1B

Modelled Totals    29030  81.3       1228.4         57.0         1285.4
Observed Totals                 0.0        1205.3          47.7        1253.0

Observed Journey Time =  1252.97     Implied Average Speed =  83.4
Modelled Journey Time =  1285.37    Modelled Average Speed =  81.3
                         102.59%                             97.48%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 11 Movement Analysis - times in seconds

R3bNB SH1B

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6429 -  5917    5 0    93  47.1   0.0    7.1    0.0   0.0     0.0    7.1    0.0     7.1     0.0    SH 1B
 5917 -  5918    5 0   145  47.4   0.0   11.0    0.0   0.0     0.0   11.0    0.0    18.1     0.0    SH 1B
 5918 -  5919    6 0   101  57.7   0.0    6.3    0.0   0.0     0.0    6.3    0.0    24.4     0.0    SH 1B
 5919 -  5921    6 0   189  57.9   0.0   11.8    0.0   2.0     0.0   13.8    0.0    38.2     0.0    SH 1B
 5921 - 10297    6 0   109  58.2   0.0    6.7    0.0   0.0     0.0    6.7    0.0    44.9     0.0    SH 1B
10297 -  4468    6 0   120  58.2   0.0    7.4    0.0   1.0     0.0    8.4    0.0    53.3     0.0    SH 1B
 4468 -  4449    6 0   227  58.4   0.0   14.0    0.0   1.0     0.0   15.0    0.0    68.3     0.0    SH 1B
 4449 -  4470    9 0  2239  88.5   0.0   91.1    0.0  12.0     0.0  103.1    0.0   171.4     0.0    VICTORIA
ROAD
 4470 -  4453   19 0    43  94.0   0.0    1.6    0.0   0.0     0.0    1.6    0.0   173.1     0.0
 4453 - 10317   19 0   501  94.0   0.0   19.2    0.0   0.0     0.0   19.2    0.0   192.2     0.0    VICTORIA
ROAD
10317 -  4471   19 0   130  94.0   0.0    5.0    0.0   2.0     0.0    7.0    0.0   199.2     0.0    VICTORIA
ROAD
 4471 -  5483   19 0  1175  94.7   0.0   44.7    0.0   0.0     0.0   44.7    0.0   243.9     0.0    VICTORIA
ROAD
 5483 -  5484   19 0   984  94.5   0.0   37.5    0.0   0.0     0.0   37.5    0.0   281.4     0.0    VICTORIA
ROAD
 5484 -  4846   19 0   646  94.5   0.0   24.6    0.0  15.0     0.0   39.6    0.0   321.0     0.0    VICTORIA
ROAD
 4846 -  4839    9 4  1298  89.4   0.0   52.3    0.0  16.0     0.0   68.3    0.0   389.3     0.0    SH 1B
 4839 - 10633    9 0  1812  88.9   0.0   73.4    0.0   0.0     0.0   73.4    0.0   462.6     0.0    SH 1B
10633 -  4804    9 0  1281  88.9   0.0   51.9    0.0   0.0     0.0   51.9    0.0   514.5     0.0    SH 1B
 4804 -  5476    9 4  2082  88.9   0.0   84.3    0.0  11.0     0.0   95.3    0.0   609.8     0.0    SH 1B
 5476 -  4714   18 0  2187  84.0   0.0   93.7    0.0   0.0     0.0   93.7    0.0   703.5     0.0    SH 1B
 4714 -  5749    7 4   498  69.2   0.0   25.9    0.0  11.0     0.0   36.9    0.0   740.5     0.0    SH 1B
 5749 - 10703    7 0   498  68.0   0.0   26.4    0.0   0.0     0.0   26.4    0.0   766.8     0.0    SH 26

Modelled Totals    16358  76.8        695.8         71.0          766.8
Observed Totals                 0.0         776.5          39.7         816.2

Observed Journey Time =   816.16     Implied Average Speed =  72.2
Modelled Journey Time =   766.82    Modelled Average Speed =  76.8
                          93.95%                            106.43%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 12 Movement Analysis - times in seconds

R4EB SH29
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8494 - 10204	10	0	2514	99.6	0.0	90.9	0.0	0.0	0.0	90.9	0.0	90.9	0.0	SH 29
10204 - 9854	10	0	3134	99.6	0.0	113.3	0.0	0.0	0.0	113.3	0.0	204.1	0.0	SH 29
9854 - 9873	10	0	3609	99.6	0.0	130.4	0.0	0.0	0.0	130.4	0.0	334.6	0.0	SH 29
9873 - 8476	8	0	10	79.4	0.0	0.5	0.0	1.0	0.0	1.5	0.0	336.0	0.0	SH 29
8476 - 9875	10	0	2496	99.8	0.0	90.0	0.0	0.0	0.0	90.0	0.0	426.1	0.0	SH 29
9875 - 8480	10	0	1640	99.8	0.0	59.2	0.0	0.0	0.0	59.2	0.0	485.2	0.0	SH 29
8480 - 9842	9	0	22	88.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	486.1	0.0	SH 29
9842 - 9885	10	0	2167	99.8	0.0	78.2	0.0	0.0	0.0	78.2	0.0	564.3	0.0	SH 29
9885 - 9544	7	0	4385	69.5	0.0	227.1	0.0	1.0	0.0	228.1	0.0	792.4	0.0	SH 29
9544 - 8486	7	0	235	69.1	0.0	12.2	0.0	0.0	0.0	12.2	0.0	804.7	0.0	SH 29
8486 - 9715	7	0	3396	69.4	0.0	176.2	0.0	0.0	0.0	176.2	0.0	980.8	0.0	SH 29
9715 - 9713	5	4	182	49.5	0.0	13.2	0.0	13.0	0.0	26.2	0.0	1007.1	0.0	SH 29
9713 - 9714	10	0	184	99.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1013.8	0.0	SH 29
9714 - 9872	10	0	1223	99.0	0.0	44.5	0.0	0.0	0.0	44.5	0.0	1058.2	0.0	SH 29
9872 - 8178	19	0	6465	93.5	0.0	248.9	0.0	0.0	0.0	248.9	0.0	1307.2	0.0	SH 29
8178 - 9145	7	0	1003	68.1	0.0	53.0	0.0	0.0	0.0	53.0	0.0	1360.2	0.0	-- no name -
-														
9145 - 3918	19	0	10795	93.5	0.0	415.6	0.0	0.0	0.0	415.6	0.0	1775.8	0.0	SH 29
3918 - 8777	19	0	7526	93.3	0.0	290.4	0.0	0.0	0.0	290.4	0.0	2066.2	0.0	SH 29
8777 - 9455	9	0	1651	87.5	0.0	67.9	0.0	0.0	0.0	67.9	0.0	2134.1	0.0	SH 29
9455 - 9260	9	3	898	87.3	0.0	37.0	0.0	15.0	0.0	52.0	0.0	2186.2	0.0	SH 29
9260 - 3690	7	0	731	67.4	0.0	39.0	0.0	0.0	0.0	39.0	0.0	2225.2	0.0	SH 29
3690 - 9233	7	0	722	67.4	0.0	38.6	0.0	0.0	0.0	38.6	0.0	2263.8	0.0	SH 29
9233 - 9234	5	3	21	46.3	0.0	1.6	0.0	12.0	0.0	13.6	0.0	2277.4	0.0	SH 29
9234 - 9236	5	0	20	44.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	2279.0	0.0	SH 29
9236 - 3661	8	0	240	76.2	0.0	11.3	0.0	0.0	0.0	11.3	0.0	2290.4	0.0	SH 29
3661 - 3635	8	0	342	76.3	0.0	16.1	0.0	0.0	0.0	16.1	0.0	2306.5	0.0	SH 29
3635 - 9267	8	0	976	76.5	0.0	45.9	0.0	0.0	0.0	45.9	0.0	2352.4	0.0	SH 29
9267 - 9416	5	3	41	44.6	0.0	3.3	0.0	19.0	0.0	22.3	0.0	2374.7	0.0	SH 29
9416 - 9281	5	0	41	17.7	0.0	8.3	0.0	0.0	0.0	8.3	0.0	2383.1	0.0	SH 29
9281 - 3640	8	0	485	70.5	0.0	24.8	0.0	0.0	0.0	24.8	0.0	2407.8	0.0	SH 29
3640 - 10813	8	3	541	72.9	0.0	26.7	0.0	14.0	0.0	40.7	0.0	2448.6	0.0	SH 29
10813 - 9407	8	0	1415	75.1	0.0	67.8	0.0	0.0	0.0	67.8	0.0	2516.4	0.0	SH 29
9407 - 9408	8	3	618	75.1	0.0	29.6	0.0	17.0	0.0	46.6	0.0	2563.0	0.0	SH 29
9408 - 9421	15	0	242	51.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	2579.9	0.0	SH 29
Modelled Totals	59970			83.7		2487.9		92.0		2579.9				
Observed Totals					0.0		2582.0		17.5		2599.5			

```
Observed Journey Time =  2599.52     Implied Average Speed =  83.1
Modelled Journey Time =  2579.86    Modelled Average Speed =  83.7
                         99.24%                             100.76%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 13 Movement Analysis - times in seconds

R4WB SH29

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9395 -  9421   15 0   115  49.6   0.0    8.3    0.0   0.0     0.0    8.3    0.0     8.3     0.0    SH 29
 9421 -  9408   15 3   242  49.6   0.0   17.6    0.0  22.0     0.0   39.6    0.0    47.9     0.0    SH 29
 9408 -  9407    8 0   618  76.3   0.0   29.2    0.0   0.0     0.0   29.2    0.0    77.1     0.0    SH 29
 9407 - 10813    8 3  1415  76.6   0.0   66.5    0.0  16.0     0.0   82.5    0.0   159.6     0.0    SH 29
10813 -  3640    8 0   541  76.3   0.0   25.5    0.0   0.0     0.0   25.5    0.0   185.1     0.0    SH 29
 3640 -  9281    8 0   485  76.0   0.0   23.0    0.0   0.0     0.0   23.0    0.0   208.1     0.0    SH 29
 9281 -  9416    5 3    41  44.4   0.0    3.3    0.0   6.0     0.0    9.3    0.0   217.4     0.0    SH 29
 9416 -  9267    5 0    41  45.6   0.0    3.2    0.0   0.0     0.0    3.2    0.0   220.6     0.0    SH 29
 9267 -  3635    8 0   976  76.8   0.0   45.8    0.0   0.0     0.0   45.8    0.0   266.4     0.0    SH 29
 3635 -  3661    8 0   342  76.7   0.0   16.1    0.0   0.0     0.0   16.1    0.0   282.4     0.0    SH 29
 3661 -  9236    8 0   240  76.5   0.0   11.3    0.0   0.0     0.0   11.3    0.0   293.7     0.0    SH 29
 9236 -  9234    5 3    20  45.1   0.0    1.6    0.0  12.0     0.0   13.6    0.0   307.3     0.0    SH 29
 9234 -  9233    5 0    21  45.3   0.0    1.7    0.0   0.0     0.0    1.7    0.0   309.0     0.0    SH 29
 9233 -  3690    7 0   722  66.7   0.0   39.0    0.0   0.0     0.0   39.0    0.0   348.0     0.0    SH 29
 3690 -  9260    7 3   731  66.9   0.0   39.3    0.0  16.0     0.0   55.3    0.0   403.3     0.0    SH 29
 9260 -  9455    9 0   898  86.6   0.0   37.3    0.0   0.0     0.0   37.3    0.0   440.6     0.0    SH 29
 9455 -  8777    9 0  1651  86.6   0.0   68.6    0.0   0.0     0.0   68.6    0.0   509.3     0.0    SH 29
 8777 -  3918   19 0  7526  92.5   0.0  292.9    0.0   0.0     0.0  292.9    0.0   802.2     0.0    SH 29
 3918 -  9145   19 0 10795  92.9   0.0  418.3    0.0   0.0     0.0  418.3    0.0  1220.5     0.0    SH 29
 9145 -  8178    7 0  1003  67.8   0.0   53.3    0.0   0.0     0.0   53.3    0.0  1273.7     0.0    -- no name -
-
 8178 -  9872   19 0  6465  93.2   0.0  249.7    0.0   0.0     0.0  249.7    0.0  1523.5     0.0    SH 29
 9872 -  9714   10 0  1223  98.9   0.0   44.5    0.0   0.0     0.0   44.5    0.0  1568.0     0.0    SH 29
 9714 -  9715   10 4   288  99.6   0.0   10.4    0.0   4.0     0.0   14.4    0.0  1582.4     0.0    SH 29
 9715 -  8486    7 0  3396  69.2   0.0  176.7    0.0   0.0     0.0  176.7    0.0  1759.1     0.0    SH 29
 8486 -  9544    7 0   235  69.1   0.0   12.2    0.0   1.0     0.0   13.2    0.0  1772.3     0.0    SH 29
 9544 -  9885    7 0  4385  69.3   0.0  227.8    0.0   0.0     0.0  227.8    0.0  2000.1     0.0    SH 29
 9885 -  9842   10 0  2167  99.7   0.0   78.2    0.0   0.0     0.0   78.2    0.0  2078.3     0.0    SH 29
 9842 -  8480    9 0    22  88.5   0.0    0.9    0.0   0.0     0.0    0.9    0.0  2079.2     0.0    SH 29
 8480 -  9875   10 0  1640  99.7   0.0   59.2    0.0   0.0     0.0   59.2    0.0  2138.5     0.0    SH 29
 9875 -  8476   10 0  2496  99.7   0.0   90.1    0.0   0.0     0.0   90.1    0.0  2228.6     0.0    SH 29
 8476 -  9873    8 0    10  78.7   0.0    0.5    0.0   0.0     0.0    0.5    0.0  2229.0     0.0    SH 29
 9873 -  9854   10 0  3609  99.3   0.0  130.8    0.0   0.0     0.0  130.8    0.0  2359.9     0.0    SH 29
 9854 - 10204   10 0  3134  99.3   0.0  113.6    0.0   0.0     0.0  113.6    0.0  2473.5     0.0    SH 29

Modelled Totals    57493  83.7       2396.5         77.0         2473.5
Observed Totals                0.0        2542.0         11.3        2553.3

Observed Journey Time =  2553.26     Implied Average Speed =  81.1
Modelled Journey Time =  2473.50    Modelled Average Speed =  83.7
                          96.88%                            103.22%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 14 Movement Analysis - times in seconds

R6NB SH32

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8757 -  8276   18 0   104  83.9   0.0    4.5    0.0   0.0     0.0    4.5    0.0     4.5     0.0    SH 41
 8276 -  8922   18 0   117  83.9   0.0    5.0    0.0   0.0     0.0    5.0    0.0     9.5     0.0    SH 41
 8922 -  4486   18 0   529  83.9   0.0   22.7    0.0   0.0     0.0   22.7    0.0    32.2     0.0    SH 41
 4486 -  8918   18 0   448  83.8   0.0   19.2    0.0   0.0     0.0   19.2    0.0    51.4     0.0    SH 41
 8918 -  8915   10 0   951  99.5   0.0   34.4    0.0   0.0     0.0   34.4    0.0    85.8     0.0    SH 41
 8915 -  8617   10 0   585  99.5   0.0   21.2    0.0   0.0     0.0   21.2    0.0   107.0     0.0    SH 41
 8617 -  8926   10 0   245  99.6   0.0    8.9    0.0   0.0     0.0    8.9    0.0   115.9     0.0    SH 41
 8926 -  8616   10 0   484  99.6   0.0   17.5    0.0   0.0     0.0   17.5    0.0   133.4     0.0    SH 41
 8616 -  8916    9 0  1852  89.3   0.0   74.7    0.0   0.0     0.0   74.7    0.0   208.0     0.0    SH 41
 8916 -  8701    9 0  1323  89.3   0.0   53.3    0.0   0.0     0.0   53.3    0.0   261.3     0.0    SH 41
 8701 -  8731   17 0  7312  74.7   0.0  352.4    0.0   0.0     0.0  352.4    0.0   613.7     0.0    SH 41
 8731 -  8959    9 0  8059  89.3   0.0  324.9    0.0  17.0     0.0  341.9    0.0   955.6     0.0    SH 41
 8959 -  8530   29 0  2203  95.0   0.0   83.5    0.0   0.0     0.0   83.5    0.0  1039.1     0.0    WESTERN BAY
ROAD
 8530 -  4851    9 0  6358  89.3   0.0  256.3    0.0   0.0     0.0  256.3    0.0  1295.4     0.0    WESTERN BAY
ROAD
 4851 - 10727    9 0  6537  89.3   0.0  263.5    0.0   0.0     0.0  263.5    0.0  1558.9     0.0    WESTERN BAY
ROAD
10727 -  8529   19 0 26574  95.1   0.0 1006.0    0.0   0.0     0.0 1006.0    0.0  2564.9     0.0    SH 32
 8529 -  4207   19 0  6322  95.0   0.0  239.6    0.0   0.0     0.0  239.6    0.0  2804.5     0.0    SH 32
 4207 -  8795   19 0  2446  94.9   0.0   92.8    0.0   0.0     0.0   92.8    0.0  2897.3     0.0    SH 32
 8795 -  8797   19 0  3948  95.0   0.0  149.6    0.0   0.0     0.0  149.6    0.0  3046.9     0.0    SH 32
 8797 -  8423   17 0  7804  74.4   0.0  377.6    0.0   0.0     0.0  377.6    0.0  3424.5     0.0    SH 32
 8423 -  8992   17 4  4698  74.5   0.0  227.0    0.0  14.0     0.0  241.0    0.0  3665.5     0.0    SH 32
 8992 -  8424    5 0   844  49.7   0.0   61.1    0.0   0.0     0.0   61.1    0.0  3726.6     0.0    SH 30
 8424 -  8525    5 4   560  49.7   0.0   40.6    0.0   9.0     0.0   49.6    0.0  3776.2     0.0    SH 30
 8525 - 10225    7 0 12042  69.6   0.0  622.9    0.0   0.0     0.0  622.9    0.0  4399.1     0.0    WHAKAMARU
ROAD
10225 -  8537   18 1  8433  84.4   0.0  359.7    0.0   3.0     0.0  362.7    0.0  4761.8     0.0    WHAKAMARU
ROAD
 8537 -  9000    9 0  3889  89.1   0.0  157.1    0.0   1.0     0.0  158.1    0.0  4919.9     0.0    SH 32
 9000 -  9030    9 0   761  88.8   0.0   30.9    0.0   0.0     0.0   30.9    0.0  4950.7     0.0    SH 32
 9030 -  9006    7 0   414  68.8   0.0   21.7    0.0   0.0     0.0   21.7    0.0  4972.4     0.0    SH 32
 9006 -  4099   15 0   307  54.0   0.0   20.5    0.0   0.0     0.0   20.5    0.0  4992.9     0.0    SH 32
 4099 -  8784   15 0   295  53.9   0.0   19.7    0.0   0.0     0.0   19.7    0.0  5012.6     0.0    SH 32
 8784 -  4100   15 0   373  54.7   0.0   24.5    0.0   0.0     0.0   24.5    0.0  5037.1     0.0    SH 32
 4100 -  9026   15 0   281  54.6   0.0   18.5    0.0   0.0     0.0   18.5    0.0  5055.7     0.0    SH 32
 9026 -  9041   15 0   115  54.2   0.0    7.6    0.0   0.0     0.0    7.6    0.0  5063.3     0.0    SH 32
 9041 -  9032    5 0    75  48.9   0.0    5.5    0.0   0.0     0.0    5.5    0.0  5068.8     0.0    SH 32
 9032 -  9042    5 0   408  49.3   0.0   29.8    0.0   0.0     0.0   29.8    0.0  5098.6     0.0    SH 32
 9042 -  4101    5 0   163  49.3   0.0   11.9    0.0   0.0     0.0   11.9    0.0  5110.5     0.0
 4101 -  8785    5 4   187  49.4   0.0   13.6    0.0  10.5     0.0   24.1    0.0  5134.6     0.0

Modelled Totals   118046  82.8       5080.1         54.5         5134.6
Observed Totals                0.0        5019.0          20.4        5039.4

Observed Journey Time =  5039.43     Implied Average Speed =  84.3
Modelled Journey Time =  5134.63    Modelled Average Speed =  82.8
                         101.89%                             98.15%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 15 Movement Analysis - times in seconds

R5NB SH1

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8785 -  8786   15 0   337  53.4   0.0   22.7    0.0   0.0     0.0   22.7    0.0    22.7     0.0    MAIN ROAD
 8786 -  8715   15 0   245  53.4   0.0   16.5    0.0   0.0     0.0   16.5    0.0    39.2     0.0    MAIN ROAD
 8715 -  8710   15 0   466  54.2   0.0   31.0    0.0   0.0     0.0   31.0    0.0    70.2     0.0    MAIN ROAD
 8710 -  8716   15 0   131  54.0   0.0    8.7    0.0   0.0     0.0    8.7    0.0    78.9     0.0    MAIN ROAD
 8716 -  9016    7 0  1422  68.3   0.0   75.0    0.0   0.0     0.0   75.0    0.0   153.9     0.0    MAIN ROAD
 9016 -  9022    8 0   548  78.3   0.0   25.2    0.0   0.0     0.0   25.2    0.0   179.1     0.0    MAIN ROAD
 9022 -  9045   10 0   676  98.9   0.0   24.6    0.0   0.0     0.0   24.6    0.0   203.7     0.0    SH 1
 9045 -  4767   10 0  3416  98.9   0.0  124.3    0.0   0.0     0.0  124.3    0.0   328.0     0.0    SH 1
 4767 - 10198   10 0  4724  99.1   0.0  171.6    0.0   0.0     0.0  171.6    0.0   499.6     0.0    SH 1
10198 -  8542   10 0    22  99.1   0.0    0.8    0.0   0.0     0.0    0.8    0.0   500.4     0.0    SH 1
 8542 -  8738   10 0  3143  99.0   0.0  114.3    0.0   0.0     0.0  114.3    0.0   614.7     0.0    SH 1
 8738 - 10192   10 0   467  98.9   0.0   17.0    0.0   0.0     0.0   17.0    0.0   631.7     0.0    SH 1
10192 -  8565   10 0  4863  98.9   0.0  177.0    0.0   0.0     0.0  177.0    0.0   808.7     0.0    SH 1
 8565 -  8569    9 0  1053  88.2   0.0   43.0    0.0   0.0     0.0   43.0    0.0   851.7     0.0    SH 1
 8569 -  8847    9 0   943  88.2   0.0   38.5    0.0   0.0     0.0   38.5    0.0   890.2     0.0    TAUPO STREET
 8847 -  3440   15 0   387  53.4   0.0   26.1    0.0   0.0     0.0   26.1    0.0   916.3     0.0    TAUPO STREET
 3440 -  9129   15 3   351  52.9   0.0   23.9    0.0  13.0     0.0   36.9    0.0   953.2     0.0    TAUPO STREET
 9129 -  9113   15 0   107  52.1   0.0    7.4    0.0   0.0     0.0    7.4    0.0   960.6     0.0    TIRAU STREET
 9113 - 10202   15 0   451  52.3   0.0   31.0    0.0   0.0     0.0   31.0    0.0   991.6     0.0    SH 1
10202 -  3460   15 0   515  52.5   0.0   35.3    0.0   0.0     0.0   35.3    0.0  1026.9     0.0    SH 1
 3460 -  9125   15 0   707  52.5   0.0   48.5    0.0   0.0     0.0   48.5    0.0  1075.4     0.0    SH 1
 9125 -  8566   15 0  1415  53.0   0.0   96.1    0.0   0.0     0.0   96.1    0.0  1171.5     0.0    SH 1
 8566 -  8538   10 0  1795  98.9   0.0   65.3    0.0   0.0     0.0   65.3    0.0  1236.9     0.0    SH 1
 8538 - 10194   10 0  3288  98.9   0.0  119.7    0.0   0.0     0.0  119.7    0.0  1356.5     0.0    SH 1
10194 -  9682    8 0    30  78.3   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1357.9     0.0    SH 1

Modelled Totals    31502  83.5       1344.9         13.0         1357.9
Observed Totals                0.0        1389.3          5.8        1395.2

Observed Journey Time =  1395.18     Implied Average Speed =  81.3
Modelled Journey Time =  1357.93    Modelled Average Speed =  83.5
                         97.33%                            102.74%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 16 Movement Analysis - times in seconds

R5SB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 10194	8	0	30	78.5	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1.4	0.0	SH 1
10194 - 8538	10	0	3288	99.0	0.0	119.6	0.0	0.0	0.0	119.6	0.0	120.9	0.0	SH 1
8538 - 8566	10	0	1795	99.0	0.0	65.3	0.0	0.0	0.0	65.3	0.0	186.2	0.0	SH 1
8566 - 9125	15	0	1415	53.0	0.0	96.1	0.0	0.0	0.0	96.1	0.0	282.3	0.0	SH 1
9125 - 3460	15	0	707	52.3	0.0	48.7	0.0	0.0	0.0	48.7	0.0	331.0	0.0	SH 1
3460 - 10202	15	0	515	52.3	0.0	35.4	0.0	0.0	0.0	35.4	0.0	366.4	0.0	SH 1
10202 - 9113	15	0	451	52.2	0.0	31.1	0.0	0.0	0.0	31.1	0.0	397.5	0.0	SH 1
9113 - 9129	15	3	107	52.2	0.0	7.4	0.0	8.0	0.0	15.4	0.0	412.9	0.0	TIRAU STREET
9129 - 3440	15	0	351	53.2	0.0	23.8	0.0	0.0	0.0	23.8	0.0	436.7	0.0	TAUPO STREET
3440 - 8847	15	0	387	53.3	0.0	26.1	0.0	0.0	0.0	26.1	0.0	462.8	0.0	TAUPO STREET
8847 - 8569	9	0	943	88.2	0.0	38.5	0.0	0.0	0.0	38.5	0.0	501.3	0.0	TAUPO STREET
8569 - 8565	9	0	1053	88.2	0.0	43.0	0.0	0.0	0.0	43.0	0.0	544.3	0.0	SH 1
8565 - 10192	10	0	4863	98.9	0.0	177.0	0.0	0.0	0.0	177.0	0.0	721.3	0.0	SH 1
10192 - 8738	10	0	467	98.9	0.0	17.0	0.0	0.0	0.0	17.0	0.0	738.3	0.0	SH 1
8738 - 8542	10	0	3143	98.9	0.0	114.4	0.0	0.0	0.0	114.4	0.0	852.7	0.0	SH 1
8542 - 10198	10	0	22	98.9	0.0	0.8	0.0	0.0	0.0	0.8	0.0	853.5	0.0	SH 1
10198 - 4767	10	0	4724	99.0	0.0	171.8	0.0	0.0	0.0	171.8	0.0	1025.3	0.0	SH 1
4767 - 9045	10	0	3416	98.9	0.0	124.3	0.0	0.0	0.0	124.3	0.0	1149.6	0.0	SH 1
9045 - 9022	10	0	676	98.9	0.0	24.6	0.0	0.0	0.0	24.6	0.0	1174.2	0.0	SH 1
9022 - 9016	8	0	548	78.2	0.0	25.2	0.0	0.0	0.0	25.2	0.0	1199.5	0.0	MAIN ROAD
9016 - 8716	7	0	1422	68.4	0.0	74.8	0.0	0.0	0.0	74.8	0.0	1274.3	0.0	MAIN ROAD
8716 - 8710	15	0	131	53.9	0.0	8.7	0.0	0.0	0.0	8.7	0.0	1283.1	0.0	MAIN ROAD
8710 - 8715	15	0	466	54.1	0.0	31.0	0.0	2.0	0.0	33.0	0.0	1316.1	0.0	MAIN ROAD
8715 - 8786	15	0	245	53.2	0.0	16.6	0.0	0.0	0.0	16.6	0.0	1332.6	0.0	MAIN ROAD
8786 - 8785	15	0	337	53.2	0.0	22.8	0.0	2.3	0.0	25.1	0.0	1357.7	0.0	MAIN ROAD
Modelled Totals	31502			83.5		1345.4		12.3		1357.7				
Observed Totals					0.0		1352.8		2.6		1355.4			

```
Observed Journey Time =  1355.38     Implied Average Speed =  83.7
Modelled Journey Time =  1357.75    Modelled Average Speed =  83.5
                         100.17%                             99.83%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 17 Movement Analysis - times in seconds

R6SB SH32

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8785 -  4101    5 0   187  48.1   0.0   14.0    0.0   0.0     0.0   14.0    0.0    14.0     0.0
 4101 -  9042    5 0   163  48.2   0.0   12.2    0.0   0.0     0.0   12.2    0.0    26.2     0.0
 9042 -  9032    5 0   408  48.0   0.0   30.6    0.0   0.0     0.0   30.6    0.0    56.8     0.0    SH 32
 9032 -  9041    5 0    75  47.8   0.0    5.6    0.0   0.0     0.0    5.6    0.0    62.4     0.0    SH 32
 9041 -  9026   15 0   115  53.1   0.0    7.8    0.0   0.0     0.0    7.8    0.0    70.2     0.0    SH 32
 9026 -  4100   15 0   281  54.1   0.0   18.7    0.0   0.0     0.0   18.7    0.0    88.9     0.0    SH 32
 4100 -  8784   15 0   373  54.3   0.0   24.7    0.0   0.0     0.0   24.7    0.0   113.6     0.0    SH 32
 8784 -  4099   15 0   295  53.7   0.0   19.8    0.0   0.0     0.0   19.8    0.0   133.4     0.0    SH 32
 4099 -  9006   15 0   307  54.0   0.0   20.5    0.0   0.0     0.0   20.5    0.0   153.9     0.0    SH 32
 9006 -  9030    7 0   414  68.9   0.0   21.6    0.0   0.0     0.0   21.6    0.0   175.5     0.0    SH 32
 9030 -  9000    9 0   761  89.1   0.0   30.7    0.0   1.0     0.0   31.7    0.0   207.3     0.0    SH 32
 9000 -  8537    9 0  3889  89.3   0.0  156.8    0.0   6.0     0.0  162.8    0.0   370.0     0.0    SH 32
 8537 - 10225   18 0  8433  84.2   0.0  360.6    0.0   0.0     0.0  360.6    0.0   730.6     0.0    WHAKAMARU
ROAD
10225 -  8525    7 0 12042  69.4   0.0  624.7    0.0  13.0     0.0  637.7    0.0  1368.3     0.0    WHAKAMARU
ROAD
 8525 -  8424    5 0   560  49.3   0.0   40.9    0.0   0.0     0.0   40.9    0.0  1409.2     0.0    SH 30
 8424 -  8992    5 0   844  49.3   0.0   61.6    0.0  11.0     0.0   72.6    0.0  1481.8     0.0    SH 30
 8992 -  8423   17 0  4698  74.6   0.0  226.7    0.0   0.0     0.0  226.7    0.0  1708.5     0.0    SH 32
 8423 -  8797   17 0  7804  74.7   0.0  376.1    0.0   0.0     0.0  376.1    0.0  2084.6     0.0    SH 32
 8797 -  8795   19 0  3948  95.1   0.0  149.5    0.0   0.0     0.0  149.5    0.0  2234.0     0.0    SH 32
 8795 -  4207   19 0  2446  94.9   0.0   92.8    0.0   0.0     0.0   92.8    0.0  2326.8     0.0    SH 32
 4207 -  8529   19 0  6322  95.1   0.0  239.3    0.0   0.0     0.0  239.3    0.0  2566.1     0.0    SH 32
 8529 - 10727   19 0 26574  95.1   0.0 1006.0    0.0   0.0     0.0 1006.0    0.0  3572.1     0.0    SH 32
10727 -  4851    9 0  6537  89.4   0.0  263.2    0.0   0.0     0.0  263.2    0.0  3835.3     0.0    WESTERN BAY
ROAD
 4851 -  8530    9 0  6358  89.4   0.0  256.0    0.0   0.0     0.0  256.0    0.0  4091.4     0.0    WESTERN BAY
ROAD
 8530 -  8959   29 4  2203  95.1   0.0   83.4    0.0  17.0     0.0  100.4    0.0  4191.8     0.0    WESTERN BAY
ROAD
 8959 -  8731    9 0  8059  89.4   0.0  324.5    0.0   0.0     0.0  324.5    0.0  4516.3     0.0    SH 41
 8731 -  8701   17 0  7312  74.8   0.0  351.9    0.0   0.0     0.0  351.9    0.0  4868.2     0.0    SH 41
 8701 -  8916    9 0  1323  89.4   0.0   53.3    0.0   0.0     0.0   53.3    0.0  4921.5     0.0    SH 41
 8916 -  8616    9 0  1852  89.4   0.0   74.6    0.0   0.0     0.0   74.6    0.0  4996.1     0.0    SH 41
 8616 -  8926   10 0   484  99.7   0.0   17.5    0.0   0.0     0.0   17.5    0.0  5013.5     0.0    SH 41
 8926 -  8617   10 0   245  99.7   0.0    8.8    0.0   0.0     0.0    8.8    0.0  5022.4     0.0    SH 41
 8617 -  8915   10 0   585  99.7   0.0   21.1    0.0   0.0     0.0   21.1    0.0  5043.5     0.0    SH 41
 8915 -  8918   10 0   951  99.7   0.0   34.3    0.0   0.0     0.0   34.3    0.0  5077.8     0.0    SH 41
 8918 -  4486   18 0   448  84.2   0.0   19.2    0.0   0.0     0.0   19.2    0.0  5097.0     0.0    SH 41
 4486 -  8922   18 0   529  84.0   0.0   22.7    0.0   0.0     0.0   22.7    0.0  5119.7     0.0    SH 41
 8922 -  8276   18 0   117  84.0   0.0    5.0    0.0   0.0     0.0    5.0    0.0  5124.7     0.0    SH 41
 8276 -  8757   18 4   104  84.0   0.0    4.5    0.0  13.5     0.0   18.0    0.0  5142.6     0.0    SH 41

Modelled Totals   118046  82.6       5081.1         61.5         5142.6
Observed Totals                0.0        5116.9          21.2        5138.0

Observed Journey Time =  5138.05     Implied Average Speed =  82.7
Modelled Journey Time =  5142.63    Modelled Average Speed =  82.6
                         100.09%                            99.91%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 18 Movement Analysis - times in seconds

R7NB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8757 - 8431	6	0	790	59.5	0.0	47.8	0.0	0.0	0.0	47.8	0.0	47.8	0.0	SH 1
8431 - 8618	6	0	37	59.5	0.0	2.2	0.0	0.0	0.0	2.2	0.0	50.0	0.0	SH 1
8618 - 8275	6	0	599	59.4	0.0	36.3	0.0	0.0	0.0	36.3	0.0	86.3	0.0	SH 1
8275 - 8509	7	0	1394	69.3	0.0	72.4	0.0	0.0	0.0	72.4	0.0	158.8	0.0	SH 1
8509 - 4558	18	0	13285	84.1	0.0	568.7	0.0	0.0	0.0	568.7	0.0	727.4	0.0	SH 1
4558 - 8578	18	0	10822	84.2	0.0	462.7	0.0	0.0	0.0	462.7	0.0	1190.1	0.0	SH 1
8578 - 8416	9	0	15514	89.3	0.0	625.4	0.0	0.0	0.0	625.4	0.0	1815.6	0.0	SH 1
8416 - 8415	9	0	2335	89.3	0.0	94.1	0.0	0.0	0.0	94.1	0.0	1909.7	0.0	SH 1
8415 - 4249	8	0	907	79.5	0.0	41.1	0.0	0.0	0.0	41.1	0.0	1950.8	0.0	SH 1
4249 - 8930	8	0	314	79.2	0.0	14.3	0.0	0.0	0.0	14.3	0.0	1965.0	0.0	SH 1
8930 - 4257	7	0	282	69.0	0.0	14.7	0.0	0.0	0.0	14.7	0.0	1979.7	0.0	SH 1
4257 - 8717	7	0	351	68.8	0.0	18.4	0.0	0.0	0.0	18.4	0.0	1998.1	0.0	SH 1
8717 - 8410	7	0	290	68.7	0.0	15.2	0.0	0.0	0.0	15.2	0.0	2013.3	0.0	SH 1
8410 - 8932	7	0	350	68.6	0.0	18.4	0.0	0.0	0.0	18.4	0.0	2031.7	0.0	SH 1
8932 - 8740	7	0	321	68.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	2048.5	0.0	SH 1
8740 - 4352	7	0	571	67.9	0.0	30.3	0.0	0.0	0.0	30.3	0.0	2078.8	0.0	LAKE TERRACE
4352 - 8935	7	0	142	67.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	2086.4	0.0	LAKE TERRACE
8935 - 8934	7	0	41	67.9	0.0	2.2	0.0	0.0	0.0	2.2	0.0	2088.5	0.0	LAKE TERRACE
8934 - 8980	7	0	965	68.2	0.0	50.9	0.0	0.0	0.0	50.9	0.0	2139.5	0.0	LAKE TERRACE
8980 - 8938	5	0	24	47.5	0.0	1.8	0.0	0.0	0.0	1.8	0.0	2141.3	0.0	LAKE TERRACE
8938 - 8400	5	0	78	47.7	0.0	5.9	0.0	0.0	0.0	5.9	0.0	2147.2	0.0	LAKE TERRACE
8400 - 8937	5	0	175	47.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	2160.4	0.0	LAKE TERRACE
8937 - 8943	5	0	242	48.0	0.0	18.2	0.0	0.0	0.0	18.2	0.0	2178.5	0.0	LAKE TERRACE
8943 - 8945	6	6	445	59.4	0.0	27.0	0.0	72.0	0.0	99.0	0.0	2277.5	0.0	TONGARIRO STREET
8945 - 8397	6	0	129	58.8	0.0	7.9	0.0	0.0	0.0	7.9	0.0	2285.4	0.0	TONGARIRO STREET
8397 - 8969	6	0	92	58.3	0.0	5.7	0.0	0.0	0.0	5.7	0.0	2291.1	0.0	TONGARIRO STREET
8969 - 11324	6	0	77	57.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	2295.9	0.0	TONGARIRO STREET
11324 - 8954	6	3	75	57.4	0.0	4.7	0.0	21.0	0.0	25.7	0.0	2321.6	0.0	TONGARIRO STREET
8954 - 4408	13	0	318	10.1	0.0	113.3	0.0	0.0	0.0	113.3	0.0	2435.0	0.0	TONGARIRO STREET
4408 - 8402	13	0	145	10.0	0.0	52.2	0.0	0.0	0.0	52.2	0.0	2487.2	0.0	TONGARIRO STREET
8402 - 8404	13	0	53	10.0	0.0	19.1	0.0	0.0	0.0	19.1	0.0	2506.2	0.0	TONGARIRO STREET
8404 - 8790	6	0	11	55.4	0.0	0.7	0.0	0.0	0.0	0.7	0.0	2507.0	0.0	TONGARIRO STREET
8790 - 8403	15	0	65	50.6	0.0	4.6	0.0	0.0	0.0	4.6	0.0	2511.6	0.0	SH 1
8403 - 4236	8	0	312	76.1	0.0	14.8	0.0	0.0	0.0	14.8	0.0	2526.3	0.0	SH 1
4236 - 8755	8	0	355	76.3	0.0	16.7	0.0	0.0	0.0	16.7	0.0	2543.1	0.0	SH 1
8755 - 8635	18	0	280	83.2	0.0	12.1	0.0	0.0	0.0	12.1	0.0	2555.2	0.0	SH 1
8635 - 8551	19	0	3478	94.1	0.0	133.1	0.0	0.0	0.0	133.1	0.0	2688.3	0.0	SH 1
8551 - 4226	19	0	494	94.1	0.0	18.9	0.0	0.0	0.0	18.9	0.0	2707.2	0.0	SH 1
4226 - 9410	19	0	1942	94.1	0.0	74.3	0.0	0.0	0.0	74.3	0.0	2781.5	0.0	SH 1
9410 - 8391	19	0	327	94.4	0.0	12.5	0.0	0.0	0.0	12.5	0.0	2793.9	0.0	SH 1
Modelled Totals	58427			75.3		2700.9		93.0		2793.9				
Observed Totals					0.0		2659.0		9.3		2668.3			

```
Observed Journey Time =  2668.33     Implied Average Speed =  78.8
Modelled Journey Time =  2793.92    Modelled Average Speed =  75.3
                         104.71%                             95.50%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 19 Movement Analysis - times in seconds

R7SB SH1
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8792 - 8391	19	0	178	94.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	6.8	0.0	SH 1
8391 - 9410	19	0	327	94.6	0.0	12.4	0.0	0.0	0.0	12.4	0.0	19.2	0.0	SH 1
9410 - 4226	19	0	1942	94.6	0.0	73.9	0.0	0.0	0.0	73.9	0.0	93.1	0.0	SH 1
4226 - 8551	19	0	494	94.5	0.0	18.8	0.0	0.0	0.0	18.8	0.0	111.9	0.0	SH 1
8551 - 8635	19	0	3478	94.5	0.0	132.5	0.0	0.0	0.0	132.5	0.0	244.4	0.0	SH 1
8635 - 8755	18	0	280	83.7	0.0	12.0	0.0	0.0	0.0	12.0	0.0	256.5	0.0	SH 1
8755 - 4236	8	0	355	77.8	0.0	16.4	0.0	0.0	0.0	16.4	0.0	272.9	0.0	SH 1
4236 - 8403	8	0	312	77.7	0.0	14.5	0.0	0.0	0.0	14.5	0.0	287.4	0.0	SH 1
8403 - 8402	15	0	129	52.4	0.0	8.9	0.0	0.0	0.0	8.9	0.0	296.2	0.0	SH 1
8402 - 4408	13	0	145	30.1	0.0	17.3	0.0	0.0	0.0	17.3	0.0	313.6	0.0	TONGARIRO STREET
4408 - 8954	13	3	318	24.3	0.0	47.1	0.0	8.0	0.0	55.1	0.0	368.7	0.0	TONGARIRO STREET
8954 - 11324	6	0	75	57.8	0.0	4.7	0.0	0.0	0.0	4.7	0.0	373.3	0.0	TONGARIRO STREET
11324 - 8969	6	0	77	57.6	0.0	4.8	0.0	0.0	0.0	4.8	0.0	378.2	0.0	TONGARIRO STREET
8969 - 8397	6	0	92	59.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	383.8	0.0	TONGARIRO STREET
8397 - 8945	6	6	129	59.1	0.0	7.9	0.0	76.0	0.0	83.9	0.0	467.6	0.0	TONGARIRO STREET
8945 - 8943	6	0	445	57.8	0.0	27.7	0.0	0.0	0.0	27.7	0.0	495.3	0.0	TONGARIRO STREET
8943 - 8937	5	0	242	45.3	0.0	19.2	0.0	0.0	0.0	19.2	0.0	514.6	0.0	LAKE TERRACE
8937 - 8400	5	0	175	44.0	0.0	14.3	0.0	0.0	0.0	14.3	0.0	528.9	0.0	LAKE TERRACE
8400 - 8938	5	0	78	44.0	0.0	6.4	0.0	0.0	0.0	6.4	0.0	535.3	0.0	LAKE TERRACE
8938 - 8980	5	0	24	43.5	0.0	2.0	0.0	0.0	0.0	2.0	0.0	537.3	0.0	LAKE TERRACE
8980 - 8934	7	0	965	65.9	0.0	52.7	0.0	0.0	0.0	52.7	0.0	590.0	0.0	LAKE TERRACE
8934 - 8935	7	0	41	65.4	0.0	2.3	0.0	0.0	0.0	2.3	0.0	592.2	0.0	LAKE TERRACE
8935 - 4352	7	0	142	65.2	0.0	7.8	0.0	0.0	0.0	7.8	0.0	600.1	0.0	LAKE TERRACE
4352 - 8740	7	0	571	65.7	0.0	31.3	0.0	0.0	0.0	31.3	0.0	631.4	0.0	LAKE TERRACE
8740 - 8932	7	0	321	66.6	0.0	17.4	0.0	0.0	0.0	17.4	0.0	648.7	0.0	SH 1
8932 - 8410	7	0	350	66.9	0.0	18.8	0.0	0.0	0.0	18.8	0.0	667.6	0.0	SH 1
8410 - 8717	7	0	290	67.3	0.0	15.5	0.0	0.0	0.0	15.5	0.0	683.1	0.0	SH 1
8717 - 4257	7	0	351	67.5	0.0	18.7	0.0	0.0	0.0	18.7	0.0	701.8	0.0	SH 1
4257 - 8930	7	0	282	67.9	0.0	15.0	0.0	0.0	0.0	15.0	0.0	716.7	0.0	SH 1
8930 - 4249	8	0	314	78.3	0.0	14.4	0.0	0.0	0.0	14.4	0.0	731.2	0.0	SH 1
4249 - 8415	8	0	907	78.9	0.0	41.4	0.0	0.0	0.0	41.4	0.0	772.6	0.0	SH 1
8415 - 8416	9	0	2335	89.0	0.0	94.4	0.0	0.0	0.0	94.4	0.0	867.0	0.0	SH 1
8416 - 8578	9	0	15514	89.0	0.0	627.5	0.0	0.0	0.0	627.5	0.0	1494.5	0.0	SH 1
8578 - 4558	18	0	10822	83.9	0.0	464.4	0.0	0.0	0.0	464.4	0.0	1958.9	0.0	SH 1
4558 - 8509	18	0	13285	83.9	0.0	570.0	0.0	0.0	0.0	570.0	0.0	2528.9	0.0	SH 1
8509 - 8275	7	0	1394	69.2	0.0	72.5	0.0	0.0	0.0	72.5	0.0	2601.4	0.0	SH 1
8275 - 8618	6	0	599	59.2	0.0	36.4	0.0	1.0	0.0	37.4	0.0	2638.9	0.0	SH 1
8618 - 8431	6	0	37	59.5	0.0	2.2	0.0	0.0	0.0	2.2	0.0	2641.1	0.0	SH 1
8431 - 8757	6	0	790	59.5	0.0	47.8	0.0	5.8	0.0	53.6	0.0	2694.7	0.0	SH 1
Modelled Totals			58605	78.3		2603.9		90.8		2694.7				
Observed Totals					0.0		2705.7		4.3		2710.0			

```
Observed Journey Time =  2709.96     Implied Average Speed =  77.9
Modelled Journey Time =  2694.71    Modelled Average Speed =  78.3
                         99.44%                             100.57%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 20 Movement Analysis - times in seconds

R8NB SH1

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 8392 -  8929   10 0  4330  99.6   0.0  156.5    0.0   0.0     0.0  156.5    0.0   156.5     0.0    SH 1
 8929 -  8958   10 0  1537  99.6   0.0   55.6    0.0   0.0     0.0   55.6    0.0   212.1     0.0    SH 1
 8958 -  8706   10 0  4063  99.6   0.0  146.9    0.0   0.0     0.0  146.9    0.0   358.9     0.0    SH 1
 8706 -  8984   10 0  4560  99.6   0.0  164.8    0.0   0.0     0.0  164.8    0.0   523.7     0.0    SH 1
 8984 -  8558   10 0  1750  99.6   0.0   63.3    0.0   0.0     0.0   63.3    0.0   587.0     0.0    SH 1
 8558 -  8388   10 0  4852  99.5   0.0  175.5    0.0   0.0     0.0  175.5    0.0   762.5     0.0    SH 1
 8388 -  8629   10 0  6670  99.6   0.0  241.1    0.0   0.0     0.0  241.1    0.0  1003.6     0.0    SH 1
 8629 -  8663   10 0  1538  99.6   0.0   55.6    0.0   0.0     0.0   55.6    0.0  1059.2     0.0    SH 1
 8663 -  8990   10 0  1370  99.6   0.0   49.5    0.0   0.0     0.0   49.5    0.0  1108.7     0.0    SH 1
 8990 -  8844   10 0   965  99.6   0.0   34.9    0.0   0.0     0.0   34.9    0.0  1143.6     0.0    SH 1
 8844 -  8527   10 0  5578  99.6   0.0  201.6    0.0   0.0     0.0  201.6    0.0  1345.2     0.0    SH 1
 8527 -  8544   10 0  6207  99.3   0.0  225.0    0.0   0.0     0.0  225.0    0.0  1570.3     0.0    SH 1
 8544 -  8543   10 0   564  99.6   0.0   20.4    0.0   0.0     0.0   20.4    0.0  1590.6     0.0    SH 1
 8543 - 10222   10 0  7067  99.2   0.0  256.5    0.0   0.0     0.0  256.5    0.0  1847.1     0.0    SH 1
10222 -  8570   10 0  1261  99.2   0.0   45.8    0.0   0.0     0.0   45.8    0.0  1892.9     0.0    SH 1
 8570 - 10223   10 0  1207  99.1   0.0   43.8    0.0   0.0     0.0   43.8    0.0  1936.7     0.0    SH 1
10223 -  8781   10 0   872  98.6   0.0   31.8    0.0   0.0     0.0   31.8    0.0  1968.5     0.0    SH 1
 8781 - 10221   10 0  1102  98.6   0.0   40.2    0.0   0.0     0.0   40.2    0.0  2008.8     0.0    MAIN ROAD
10221 -  9040    7 0   179  67.5   0.0    9.5    0.0   4.3     0.0   13.8    0.0  2022.6     0.0    MAIN ROAD

Modelled Totals    55672  99.1       2018.3          4.3         2022.6
Observed Totals                0.0        2076.0          0.0        2076.0

Observed Journey Time =  2076.00     Implied Average Speed =  96.5
Modelled Journey Time =  2022.63    Modelled Average Speed =  99.1
                         97.43%                             102.64%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 21 Movement Analysis - times in seconds

R9NB SH5
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
8792 - 8552	8	0	1049	79.6	0.0	47.4	0.0	0.0	0.0	47.4	0.0	47.4	0.0	SH 5
8552 - 8553	9	0	1169	89.2	0.0	47.2	0.0	0.0	0.0	47.2	0.0	94.6	0.0	SH 5
8553 - 8554	9	0	2279	89.2	0.0	92.0	0.0	0.0	0.0	92.0	0.0	186.6	0.0	SH 5
8554 - 8556	19	0	3984	94.7	0.0	151.5	0.0	0.0	0.0	151.5	0.0	338.1	0.0	SH 5
8556 - 4223	19	0	4163	94.7	0.0	158.3	0.0	0.0	0.0	158.3	0.0	496.3	0.0	SH 5
4223 - 8557	19	0	9889	94.9	0.0	375.1	0.0	0.0	0.0	375.1	0.0	871.4	0.0	SH 5
8557 - 8798	19	0	3358	94.9	0.0	127.4	0.0	0.0	0.0	127.4	0.0	998.8	0.0	SH 5
8798 - 8277	19	0	5493	94.9	0.0	208.4	0.0	0.0	0.0	208.4	0.0	1207.2	0.0	SH 5
8277 - 8560	19	0	1656	94.9	0.0	62.8	0.0	0.0	0.0	62.8	0.0	1270.0	0.0	SH 5
8560 - 8989	19	0	5378	95.0	0.0	203.8	0.0	0.0	0.0	203.8	0.0	1473.8	0.0	SH 5
8989 - 8810	19	0	5782	94.6	0.0	220.0	0.0	0.0	0.0	220.0	0.0	1693.9	0.0	SH 5
8810 - 10726	9	0	1094	89.0	0.0	44.3	0.0	0.0	0.0	44.3	0.0	1738.1	0.0	SH 5
10726 - 8386	9	0	2133	89.0	0.0	86.3	0.0	0.0	0.0	86.3	0.0	1824.4	0.0	SH 5
8386 - 8741	9	0	220	89.0	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1833.3	0.0	SH 5
8741 - 8387	9	0	158	88.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1839.7	0.0	SH 5
8387 - 8996	10	0	12504	99.3	0.0	453.3	0.0	0.0	0.0	453.3	0.0	2293.0	0.0	SH 5
8996 - 8592	10	0	214	99.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	2300.8	0.0	SH 5
8592 - 4039	9	0	6701	88.4	0.0	272.9	0.0	0.0	0.0	272.9	0.0	2573.7	0.0	SH 5
4039 - 8783	9	0	551	88.0	0.0	22.5	0.0	0.0	0.0	22.5	0.0	2596.2	0.0	SH 5
8783 - 8804	9	0	207	87.7	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2604.7	0.0	SH 5
8804 - 8383	9	0	73	87.7	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2607.7	0.0	SH 5
8383 - 3990	7	0	550	67.1	0.0	29.5	0.0	0.0	0.0	29.5	0.0	2637.2	0.0	SH 5
3990 - 8594	7	0	405	66.7	0.0	21.9	0.0	13.0	0.0	34.9	0.0	2672.1	0.0	SH 5
8594 - 9093	15	0	745	52.2	0.0	51.4	0.0	0.0	0.0	51.4	0.0	2723.5	0.0	OLD TAUPO ROAD
9093 - 9039	15	0	460	53.2	0.0	31.1	0.0	0.0	0.0	31.1	0.0	2754.6	0.0	OLD TAUPO ROAD
9039 - 8596	5	3	328	47.2	0.0	25.0	0.0	22.0	0.0	47.0	0.0	2801.6	0.0	OLD TAUPO ROAD
8596 - 9102	5	0	511	46.8	0.0	39.3	0.0	0.0	0.0	39.3	0.0	2840.9	0.0	OLD TAUPO ROAD
9102 - 9072	15	0	387	52.4	0.0	26.6	0.0	0.0	0.0	26.6	0.0	2867.5	0.0	OLD TAUPO ROAD
9072 - 8709	15	7	122	51.2	0.0	8.6	0.0	30.0	0.0	38.6	0.0	2906.1	0.0	OLD TAUPO ROAD
8709 - 9054	15	0	322	52.4	0.0	22.1	0.0	0.0	0.0	22.1	0.0	2928.2	0.0	
9054 - 8841	15	6	563	52.6	0.0	38.5	0.0	30.0	0.0	68.5	0.0	2996.7	0.0	SH 5
8841 - 8373	15	0	24	51.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	2998.4	0.0	Old Taupo Road
8373 - 9060	15	0	273	51.1	0.0	19.2	0.0	0.0	0.0	19.2	0.0	3017.7	0.0	Old Taupo Road
9060 - 9081	15	6	107	51.0	0.0	7.6	0.0	21.0	0.0	28.6	0.0	3046.2	0.0	SH 5
9081 - 9083	15	0	292	52.0	0.0	20.2	0.0	0.0	0.0	20.2	0.0	3066.4	0.0	SH 5
9083 - 9062	15	0	224	51.9	0.0	15.5	0.0	0.0	0.0	15.5	0.0	3082.0	0.0	SH 5
9062 - 9084	15	0	69	51.8	0.0	4.8	0.0	0.0	0.0	4.8	0.0	3086.8	0.0	SH 5
9084 - 8259	15	0	354	51.7	0.0	24.6	0.0	0.0	0.0	24.6	0.0	3111.4	0.0	SH 5
8259 - 9085	15	6	35	51.7	0.0	2.4	0.0	56.0	0.0	58.4	0.0	3169.9	0.0	SH 5
9085 - 8257	15	0	78	48.1	0.0	5.8	0.0	0.0	0.0	5.8	0.0	3175.7	0.0	FAIRY SPRINGS ROAD
8257 - 4018	15	0	248	47.2	0.0	18.9	0.0	0.0	0.0	18.9	0.0	3194.6	0.0	FAIRY SPRINGS ROAD
4018 - 9099	15	0	321	47.7	0.0	24.2	0.0	0.0	0.0	24.2	0.0	3218.8	0.0	FAIRY SPRINGS ROAD
9099 - 9087	6	0	398	54.8	0.0	26.1	0.0	0.0	0.0	26.1	0.0	3245.0	0.0	SH 5
9087 - 4009	6	0	225	12.9	0.0	62.8	0.0	0.0	0.0	62.8	0.0	3307.8	0.0	NGONGOTAHA ROAD
4009 - 8361	6	0	370	23.2	0.0	57.4	0.0	0.0	0.0	57.4	0.0	3365.2	0.0	NGONGOTAHA ROAD
8361 - 3956	17	0	1404	66.5	0.0	76.0	0.0	0.0	0.0	76.0	0.0	3441.2	0.0	NGONGOTAHA ROAD
3956 - 8591	17	3	1238	67.2	0.0	66.3	0.0	12.0	0.0	78.3	0.0	3519.5	0.0	NGONGOTAHA ROAD
8591 - 8601	19	0	1121	93.0	0.0	43.4	0.0	0.0	0.0	43.4	0.0	3562.9	0.0	SH 5
8601 - 8600	9	0	1392	88.0	0.0	56.9	0.0	0.0	0.0	56.9	0.0	3619.9	0.0	SH 5
8600 - 8811	10	0	115	98.6	0.0	4.2	0.0	0.0	0.0	4.2	0.0	3624.1	0.0	SH 5
8811 - 3949	8	0	737	78.3	0.0	33.9	0.0	0.0	0.0	33.9	0.0	3657.9	0.0	SH 5
3949 - 9106	8	0	1897	78.5	0.0	87.0	0.0	0.0	0.0	87.0	0.0	3744.9	0.0	SH 5
9106 - 8692	9	0	721	88.4	0.0	29.4	0.0	0.0	0.0	29.4	0.0	3774.3	0.0	SH 5
8692 - 10206	9	0	2628	88.4	0.0	107.0	0.0	0.0	0.0	107.0	0.0	3881.3	0.0	SH 5
10206 - 9110	9	0	5176	88.7	0.0	210.1	0.0	0.0	0.0	210.1	0.0	4091.4	0.0	SH 5
9110 - 9124	8	0	118	78.8	0.0	5.4	0.0	0.0	0.0	5.4	0.0	4096.8	0.0	SH 5
9124 - 8280	9	0	2759	88.6	0.0	112.1	0.0	0.0	0.0	112.1	0.0	4208.9	0.0	SH 5
8280 - 10207	9	0	11828	88.6	0.0	480.6	0.0	0.0	0.0	480.6	0.0	4689.5	0.0	SH 5
10207 - 8489	9	0	7684	88.6	0.0	312.2	0.0	0.0	0.0	312.2	0.0	5001.7	0.0	SH 5
8489 - 9648	10	0	32	99.1	0.0	1.2	0.0	0.0	0.0	1.2	0.0	5002.9	0.0	SH 5
9648 - 8490	10	0	2374	99.3	0.0	86.1	0.0	0.0	0.0	86.1	0.0	5088.9	0.0	SH 5
8490 - 9134	10	0	111	99.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	5093.0	0.0	SH 5
9134 - 8493	9	0	2208	89.2	0.0	89.1	0.0	0.0	0.0	89.1	0.0	5182.1	0.0	SH 5
8493 - 10193	9	0	2900	89.3	0.0	116.9	0.0	0.0	0.0	116.9	0.0	5299.0	0.0	SH 5
Modelled Totals	121909			82.8		5115.0		184.0		5299.0				
Observed Totals					0.0		5065.0		46.5		5111.5			

Observed Journey Time =	5111.48	Implied Average Speed =	85.9
Modelled Journey Time =	5298.97	Modelled Average Speed =	82.8
	103.67%		96.46%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 22 Movement Analysis - times in seconds

R9SB SH5
```

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
9682 - 10193	8 0	53	79.8	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2.4	0.0	SH 5
10193 - 8493	9 0	2900	89.4	0.0	116.8	0.0	0.0	0.0	116.8	0.0	119.2	0.0	SH 5
8493 - 9134	9 0	2208	89.3	0.0	89.0	0.0	0.0	0.0	89.0	0.0	208.2	0.0	SH 5
9134 - 8490	10 0	111	99.5	0.0	4.0	0.0	0.0	0.0	4.0	0.0	212.2	0.0	SH 5
8490 - 9648	10 0	2374	99.5	0.0	85.9	0.0	0.0	0.0	85.9	0.0	298.1	0.0	SH 5
9648 - 8489	10 0	32	99.6	0.0	1.2	0.0	0.0	0.0	1.2	0.0	299.2	0.0	SH 5
8489 - 10207	9 0	7684	88.8	0.0	311.5	0.0	0.0	0.0	311.5	0.0	610.8	0.0	SH 5
10207 - 8280	9 0	11828	89.0	0.0	478.4	0.0	0.0	0.0	478.4	0.0	1089.2	0.0	SH 5
8280 - 9124	9 0	2759	89.0	0.0	111.6	0.0	0.0	0.0	111.6	0.0	1200.8	0.0	SH 5
9124 - 9110	8 0	118	79.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1206.2	0.0	SH 5
9110 - 10206	9 0	5176	89.1	0.0	209.1	0.0	0.0	0.0	209.1	0.0	1415.3	0.0	SH 5
10206 - 8692	9 0	2628	88.9	0.0	106.4	0.0	0.0	0.0	106.4	0.0	1521.7	0.0	SH 5
8692 - 9106	9 0	721	88.9	0.0	29.2	0.0	0.0	0.0	29.2	0.0	1550.9	0.0	SH 5
9106 - 3949	8 0	1897	79.2	0.0	86.2	0.0	0.0	0.0	86.2	0.0	1637.1	0.0	SH 5
3949 - 8811	8 0	737	79.1	0.0	33.5	0.0	0.0	0.0	33.5	0.0	1670.7	0.0	SH 5
8811 - 8600	10 0	115	99.3	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1674.8	0.0	SH 5
8600 - 8601	9 0	1392	88.8	0.0	56.4	0.0	0.0	0.0	56.4	0.0	1731.3	0.0	SH 5
8601 - 8591	19 3	1121	94.2	0.0	42.8	0.0	28.0	0.0	70.8	0.0	1802.1	0.0	SH 5
8591 - 3956	17 0	1238	72.1	0.0	61.8	0.0	0.0	0.0	61.8	0.0	1863.9	0.0	NGONGOTAHA ROAD
3956 - 8361	17 0	1404	71.9	0.0	70.3	0.0	0.0	0.0	70.3	0.0	1934.2	0.0	NGONGOTAHA ROAD
8361 - 4009	6 0	370	55.7	0.0	23.9	0.0	0.0	0.0	23.9	0.0	1958.1	0.0	NGONGOTAHA ROAD
4009 - 9087	6 0	225	55.5	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1972.7	0.0	NGONGOTAHA ROAD
9087 - 9099	6 0	398	57.3	0.0	25.0	0.0	0.0	0.0	25.0	0.0	1997.7	0.0	SH 5
9099 - 4018	15 0	321	52.3	0.0	22.1	0.0	0.0	0.0	22.1	0.0	2019.8	0.0	FAIRY SPRINGS ROAD
4018 - 8257	15 0	248	52.2	0.0	17.1	0.0	0.0	0.0	17.1	0.0	2036.9	0.0	FAIRY SPRINGS ROAD
8257 - 9085	15 6	78	52.2	0.0	5.4	0.0	41.0	0.0	46.4	0.0	2083.3	0.0	FAIRY SPRINGS ROAD
9085 - 8259	15 0	35	53.2	0.0	2.4	0.0	0.0	0.0	2.4	0.0	2085.7	0.0	SH 5
8259 - 9084	15 0	354	53.0	0.0	24.0	0.0	0.0	0.0	24.0	0.0	2109.7	0.0	SH 5
9084 - 9062	15 0	69	52.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	2114.4	0.0	SH 5
9062 - 9083	15 0	224	52.2	0.0	15.4	0.0	0.0	0.0	15.4	0.0	2129.9	0.0	SH 5
9083 - 9081	15 6	292	51.8	0.0	20.3	0.0	9.0	0.0	29.3	0.0	2159.2	0.0	SH 5
9081 - 9060	15 0	107	51.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	2166.7	0.0	SH 5
9060 - 8373	15 0	273	51.3	0.0	19.2	0.0	0.0	0.0	19.2	0.0	2185.8	0.0	Old Taupo Road
8373 - 8841	15 6	24	52.9	0.0	1.6	0.0	26.0	0.0	27.6	0.0	2213.5	0.0	Old Taupo Road
8841 - 9054	15 0	563	52.7	0.0	38.5	0.0	0.0	0.0	38.5	0.0	2251.9	0.0	SH 5
9054 - 8709	15 7	322	52.8	0.0	22.0	0.0	36.0	0.0	58.0	0.0	2309.9	0.0	
8709 - 9072	15 0	122	51.0	0.0	8.6	0.0	0.0	0.0	8.6	0.0	2318.5	0.0	OLD TAUPO ROAD
9072 - 9102	15 0	387	51.5	0.0	27.1	0.0	0.0	0.0	27.1	0.0	2345.5	0.0	OLD TAUPO ROAD
9102 - 8596	5 3	511	46.1	0.0	39.9	0.0	13.0	0.0	52.9	0.0	2398.4	0.0	OLD TAUPO ROAD
8596 - 9039	5 0	328	47.1	0.0	25.1	0.0	0.0	0.0	25.1	0.0	2423.5	0.0	OLD TAUPO ROAD
9039 - 9093	15 0	460	53.4	0.0	31.0	0.0	0.0	0.0	31.0	0.0	2454.5	0.0	OLD TAUPO ROAD
9093 - 8594	15 4	745	53.0	0.0	50.6	0.0	23.0	0.0	73.6	0.0	2528.1	0.0	OLD TAUPO ROAD
8594 - 3990	7 0	405	66.6	0.0	21.9	0.0	0.0	0.0	21.9	0.0	2550.0	0.0	SH 5
3990 - 8383	7 0	550	66.8	0.0	29.6	0.0	0.0	0.0	29.6	0.0	2579.7	0.0	SH 5
8383 - 8804	9 0	73	87.1	0.0	3.0	0.0	0.0	0.0	3.0	0.0	2582.7	0.0	SH 5
8804 - 8783	9 0	207	87.9	0.0	8.5	0.0	0.0	0.0	8.5	0.0	2591.2	0.0	SH 5
8783 - 4039	9 0	551	88.1	0.0	22.5	0.0	0.0	0.0	22.5	0.0	2613.7	0.0	SH 5
4039 - 8592	9 0	6701	88.2	0.0	273.5	0.0	0.0	0.0	273.5	0.0	2887.2	0.0	SH 5
8592 - 8996	10 0	214	98.9	0.0	7.8	0.0	0.0	0.0	7.8	0.0	2895.0	0.0	SH 5
8996 - 8387	10 0	12504	99.1	0.0	454.2	0.0	0.0	0.0	454.2	0.0	3349.2	0.0	SH 5
8387 - 8741	9 0	158	88.9	0.0	6.4	0.0	0.0	0.0	6.4	0.0	3355.6	0.0	SH 5
8741 - 8386	9 0	220	88.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	3364.5	0.0	SH 5
8386 - 10726	9 0	2133	88.8	0.0	86.5	0.0	0.0	0.0	86.5	0.0	3451.0	0.0	SH 5
10726 - 8810	9 0	1094	88.8	0.0	44.4	0.0	0.0	0.0	44.4	0.0	3495.3	0.0	SH 5
8810 - 8989	19 0	5782	94.5	0.0	220.3	0.0	0.0	0.0	220.3	0.0	3715.6	0.0	SH 5
8989 - 8560	19 0	5378	94.9	0.0	204.0	0.0	0.0	0.0	204.0	0.0	3919.6	0.0	SH 5
8560 - 8277	19 0	1656	94.6	0.0	63.0	0.0	0.0	0.0	63.0	0.0	3982.6	0.0	SH 5
8277 - 8798	19 0	5493	94.6	0.0	209.0	0.0	0.0	0.0	209.0	0.0	4191.7	0.0	SH 5
8798 - 8557	19 0	3358	94.7	0.0	127.7	0.0	0.0	0.0	127.7	0.0	4319.3	0.0	SH 5
8557 - 4223	19 0	9889	94.7	0.0	375.9	0.0	0.0	0.0	375.9	0.0	4695.2	0.0	SH 5
4223 - 8556	19 0	4163	94.7	0.0	158.3	0.0	0.0	0.0	158.3	0.0	4853.5	0.0	SH 5
8556 - 8554	19 0	3984	94.7	0.0	151.5	0.0	0.0	0.0	151.5	0.0	5005.0	0.0	SH 5
8554 - 8553	9 0	2279	89.2	0.0	92.0	0.0	0.0	0.0	92.0	0.0	5096.9	0.0	SH 5
8553 - 8552	9 0	1169	89.1	0.0	47.2	0.0	0.0	0.0	47.2	0.0	5144.2	0.0	SH 5
Modelled Totals	120913	84.6		4968.2		176.0		5144.2					
Observed Totals			0.0		5106.7		54.5		5161.2				

```
Observed Journey Time =  5161.21     Implied Average Speed =  84.3
Modelled Journey Time =  5144.17    Modelled Average Speed =  84.6
                          99.67%                             100.33%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 23 Movement Analysis - times in seconds

R10aNB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9584 -  3227   10 0  5601  99.4   0.0  202.9    0.0   0.0     0.0  202.9    0.0   202.9     0.0    SH 27
 3227 -  9737   10 0  8739  99.6   0.0  315.9    0.0   1.0     0.0  316.9    0.0   519.7     0.0    SH 27
 9737 -  8449   10 0  2856  99.5   0.0  103.3    0.0   0.0     0.0  103.3    0.0   623.1     0.0    SH 27
 8449 -  9777   10 0  4754  99.7   0.0  171.7    0.0   0.0     0.0  171.7    0.0   794.7     0.0    SH 27
 9777 -  8308   10 0  6168  99.6   0.0  222.9    0.0   0.0     0.0  222.9    0.0  1017.7     0.0    SH 27
 8308 -  9964    9 0  6350  89.1   0.0  256.6    0.0   0.0     0.0  256.6    0.0  1274.2     0.0    SH 27
 9964 -  9562    9 0 10549  89.2   0.0  425.7    0.0   0.0     0.0  425.7    0.0  1700.0     0.0    SH 27

Modelled Totals    45017  95.3       1699.0          1.0         1700.0
Observed Totals                 0.0        1730.7          0.0        1730.7

Observed Journey Time =  1730.67     Implied Average Speed =  93.6
Modelled Journey Time =  1699.96    Modelled Average Speed =  95.3
                         98.23%                            101.81%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 24 Movement Analysis - times in seconds

R10aSB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9562 -  9964    9 0 10549  89.1   0.0  426.2    0.0   0.0     0.0  426.2    0.0   426.2     0.0    SH 27
 9964 -  8308    9 0  6350  89.2   0.0  256.3    0.0   0.0     0.0  256.3    0.0   682.5     0.0    SH 27
 8308 -  9777   10 0  6168  99.7   0.0  222.7    0.0   0.0     0.0  222.7    0.0   905.2     0.0    SH 27
 9777 -  8449   10 0  4754  99.7   0.0  171.7    0.0   0.0     0.0  171.7    0.0  1076.9     0.0    SH 27
 8449 -  9737   10 0  2856  99.5   0.0  103.3    0.0   1.0     0.0  104.3    0.0  1181.2     0.0    SH 27
 9737 -  3227   10 0  8739  99.6   0.0  315.9    0.0   0.0     0.0  315.9    0.0  1497.1     0.0    SH 27
 3227 -  9584   10 0  5601  99.5   0.0  202.6    0.0   2.2     0.0  204.8    0.0  1701.9     0.0    SH 27

Modelled Totals    45017  95.2       1698.7          3.2         1701.9
Observed Totals                 0.0        1740.0          0.0        1740.0

Observed Journey Time =  1740.00     Implied Average Speed =  93.1
Modelled Journey Time =  1701.92    Modelled Average Speed =  95.2
                         97.81%                            102.24%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 25 Movement Analysis - times in seconds

R10bNB SH27

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
10196 -  9837    6 0   529  58.6   0.0   32.5    0.0   0.0     0.0   32.5    0.0    32.5     0.0    SH 27
 9837 - 10145    9 0  2880  88.9   0.0  116.6    0.0   0.0     0.0  116.6    0.0   149.1     0.0    SH 27
10145 -  9573    9 0   337  88.9   0.0   13.6    0.0   0.0     0.0   13.6    0.0   162.8     0.0    SH 27
 9573 -  9842    9 4  6299  88.9   0.0  255.1    0.0   9.0     0.0  264.1    0.0   426.8     0.0    SH 27
 9842 -  8480    9 0    22  88.5   0.0    0.9    0.0  15.0     0.0   15.9    0.0   442.7     0.0    SH 29
 8480 -  8479    9 0    17  88.9   0.0    0.7    0.0   0.0     0.0    0.7    0.0   443.4     0.0    SH 27
 8479 -  9597    9 0  6734  88.9   0.0  272.7    0.0   0.0     0.0  272.7    0.0   716.1     0.0    SH 27
 9597 -  8471    8 0   912  79.2   0.0   41.5    0.0   0.0     0.0   41.5    0.0   757.6     0.0    SH 27
 8471 -  8473    5 0     5  48.1   0.0    0.4    0.0   0.0     0.0    0.4    0.0   758.0     0.0    SH 27
 8473 -  9848    5 0    44  48.3   0.0    3.3    0.0   0.0     0.0    3.3    0.0   761.2     0.0    SH 27
 9848 - 10168    5 0   509  48.2   0.0   38.0    0.0   0.0     0.0   38.0    0.0   799.2     0.0    SH 27
10168 - 10157    5 0   712  48.2   0.0   53.2    0.0   0.0     0.0   53.2    0.0   852.4     0.0    SH 27
10157 -  3430    5 0   278  47.7   0.0   21.0    0.0   0.0     0.0   21.0    0.0   873.4     0.0    SH 27
 3430 - 10159    5 3   410  46.2   0.0   31.9    0.0  12.0     0.0   43.9    0.0   917.4     0.0    SH 27
10159 -  3434   18 0   573  82.3   0.0   25.1    0.0   0.0     0.0   25.1    0.0   942.4     0.0    WAHAROA ROAD
WEST
 3434 - 10154   18 0  2220  82.5   0.0   96.9    0.0   0.0     0.0   96.9    0.0  1039.3     0.0    WAHAROA ROAD
WEST
10154 -  9601   18 0  2279  82.7   0.0   99.2    0.0   0.0     0.0   99.2    0.0  1138.5     0.0
 9601 - 10160   15 0   451  52.7   0.0   30.8    0.0   0.0     0.0   30.8    0.0  1169.3     0.0    SEDDON
STREET
10160 -  9850   17 0  1774  73.3   0.0   87.1    0.0   0.0     0.0   87.1    0.0  1256.4     0.0    SH 27
 9850 -  9592   10 0  4233  99.1   0.0  153.8    0.0   0.0     0.0  153.8    0.0  1410.2     0.0    SH 27
 9592 -  8458   10 0  3695  99.1   0.0  134.2    0.0   0.0     0.0  134.2    0.0  1544.4     0.0    SH 27
 8458 -  9591   19 0  2647  93.9   0.0  101.5    0.0   0.0     0.0  101.5    0.0  1645.9     0.0    SH 27
 9591 -  9690   10 0    21  99.1   0.0    0.8    0.0   0.0     0.0    0.8    0.0  1646.7     0.0    SH 27
 9690 -  9582   19 0  2663  94.4   0.0  101.6    0.0   0.0     0.0  101.6    0.0  1748.2     0.0    SH 27
 9582 -  9553   19 0   700  94.5   0.0   26.7    0.0   0.0     0.0   26.7    0.0  1774.9     0.0    SH 27
 9553 -  3261   19 0  2936  94.6   0.0  111.7    0.0   0.0     0.0  111.7    0.0  1886.6     0.0    SH 27
 3261 -  9585   19 0  3549  94.2   0.0  135.6    0.0   0.0     0.0  135.6    0.0  2022.3     0.0    SH 27
 9585 -  9584   10 0    48  98.6   0.0    1.8    0.0   7.1     0.0    8.9    0.0  2031.1     0.0

Modelled Totals    47477  84.1       1988.0         43.1         2031.1
Observed Totals                0.0        2059.3         19.5        2078.9

Observed Journey Time =  2078.88     Implied Average Speed =  82.2
Modelled Journey Time =  2031.12    Modelled Average Speed =  84.1
                         97.70%                             102.35%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 26 Movement Analysis - times in seconds

R10bSB SH27

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 9584 -  9585   10 0    48  98.6   0.0    1.8    0.0   0.0     0.0    1.8    0.0     1.8     0.0
 9585 -  3261   19 0  3549  94.5   0.0  135.2    0.0   0.0     0.0  135.2    0.0   137.0     0.0    SH 27
 3261 -  9553   19 0  2936  94.4   0.0  112.0    0.0   0.0     0.0  112.0    0.0   248.9     0.0    SH 27
 9553 -  9582   19 0   700  94.3   0.0   26.7    0.0   0.0     0.0   26.7    0.0   275.6     0.0    SH 27
 9582 -  9690   19 0  2663  94.3   0.0  101.7    0.0   0.0     0.0  101.7    0.0   377.3     0.0    SH 27
 9690 -  9591   10 0    21  99.0   0.0    0.8    0.0   0.0     0.0    0.8    0.0   378.1     0.0    SH 27
 9591 -  8458   19 0  2647  93.8   0.0  101.6    0.0   0.0     0.0  101.6    0.0   479.7     0.0    SH 27
 8458 -  9592   10 0  3695  99.1   0.0  134.2    0.0   0.0     0.0  134.2    0.0   613.9     0.0    SH 27
 9592 -  9850   10 0  4233  99.1   0.0  153.8    0.0   0.0     0.0  153.8    0.0   767.7     0.0    SH 27
 9850 - 10160   17 0  1774  73.4   0.0   87.0    0.0   0.0     0.0   87.0    0.0   854.7     0.0    SH 27
10160 -  9601   15 0   451  53.0   0.0   30.6    0.0   0.0     0.0   30.6    0.0   885.3     0.0    SEDDON
STREET
 9601 - 10154   18 0  2279  82.9   0.0   99.0    0.0   0.0     0.0   99.0    0.0   984.3     0.0
10154 -  3434   18 0  2220  82.8   0.0   96.5    0.0   0.0     0.0   96.5    0.0  1080.8     0.0    WAHAROA ROAD
WEST
 3434 - 10159   18 3   573  82.0   0.0   25.2    0.0  17.0     0.0   42.2    0.0  1122.9     0.0    WAHAROA ROAD
WEST
10159 -  3430    5 0   410  46.8   0.0   31.5    0.0   0.0     0.0   31.5    0.0  1154.5     0.0    SH 27
 3430 - 10157    5 0   278  46.7   0.0   21.4    0.0   0.0     0.0   21.4    0.0  1175.9     0.0    SH 27
10157 - 10168    5 0   712  47.2   0.0   54.3    0.0   0.0     0.0   54.3    0.0  1230.2     0.0    SH 27
10168 -  9848    5 0   509  47.7   0.0   38.4    0.0   0.0     0.0   38.4    0.0  1268.6     0.0    SH 27
 9848 -  8473    5 0    44  48.2   0.0    3.3    0.0   2.0     0.0    5.3    0.0  1273.9     0.0    SH 27
 8473 -  8471    5 0     5  49.2   0.0    0.4    0.0   0.0     0.0    0.4    0.0  1274.3     0.0    SH 27
 8471 -  9597    8 0   912  79.3   0.0   41.4    0.0   0.0     0.0   41.4    0.0  1315.7     0.0    SH 27
 9597 -  8479    9 0  6734  89.0   0.0  272.4    0.0   0.0     0.0  272.4    0.0  1588.1     0.0    SH 27
 8479 -  8480    9 4    17  89.0   0.0    0.7    0.0  14.0     0.0   14.7    0.0  1602.8     0.0    SH 27
 8480 -  9842    9 0    22  88.7   0.0    0.9    0.0  10.0     0.0   10.9    0.0  1613.7     0.0    SH 29
 9842 -  9573    9 0  6299  89.0   0.0  254.8    0.0   0.0     0.0  254.8    0.0  1868.4     0.0    SH 27
 9573 - 10145    9 0   337  89.0   0.0   13.6    0.0   0.0     0.0   13.6    0.0  1882.1     0.0    SH 27
10145 -  9837    9 0  2880  89.0   0.0  116.5    0.0   0.0     0.0  116.5    0.0  1998.6     0.0    SH 27
 9837 - 10196    6 0   529  58.7   0.0   32.4    0.0   0.2     0.0   32.6    0.0  2031.2     0.0    SH 27

Modelled Totals    47477  84.1       1988.0         43.2         2031.2
Observed Totals                0.0        2127.0         12.4        2139.4

Observed Journey Time =  2139.43     Implied Average Speed =  79.9
Modelled Journey Time =  2031.22    Modelled Average Speed =  84.1
                         94.94%                             105.33%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 27 Movement Analysis - times in seconds

R11aNB SH3
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
10120 - 10239	4	0	276	37.4	0.0	26.6	0.0	0.0	0.0	26.6	0.0	26.6	0.0	MANIAPOTO STREET
10239 - 10127	4	0	302	37.2	0.0	29.2	0.0	0.0	0.0	29.2	0.0	55.8	0.0	MANIAPOTO STREET
10127 - 10126	6	0	268	58.2	0.0	16.6	0.0	0.0	0.0	16.6	0.0	72.4	0.0	MAIN NORTH ROAD
10126 - 10240	6	0	657	58.2	0.0	40.6	0.0	0.0	0.0	40.6	0.0	113.0	0.0	MAIN NORTH ROAD
10240 - 10121	17	0	2403	73.8	0.0	117.2	0.0	0.0	0.0	117.2	0.0	230.2	0.0	MAIN NORTH ROAD
10121 - 10241	19	0	7195	94.2	0.0	275.0	0.0	0.0	0.0	275.0	0.0	505.2	0.0	OTOROHANGA ROAD
10241 - 9939	10	0	6166	99.2	0.0	223.8	0.0	0.0	0.0	223.8	0.0	729.0	0.0	OTOROHANGA ROAD
9939 - 9521	10	0	358	99.2	0.0	13.0	0.0	1.0	0.0	14.0	0.0	743.0	0.0	OTOROHANGA ROAD
9521 - 10776	10	0	1611	98.9	0.0	58.6	0.0	0.0	0.0	58.6	0.0	801.6	0.0	SH 3
10776 - 10244	10	0	1083	98.9	0.0	39.4	0.0	0.0	0.0	39.4	0.0	841.0	0.0	SH 3
10244 - 2628	10	0	3028	98.8	0.0	110.3	0.0	0.0	0.0	110.3	0.0	951.3	0.0	SH 3
2628 - 6031	9	0	1279	88.1	0.0	52.3	0.0	0.0	0.0	52.3	0.0	1003.6	0.0	OTOROHANGA ROAD
6031 - 5976	5	0	222	47.4	0.0	16.9	0.0	0.0	0.0	16.9	0.0	1020.5	0.0	SH 3
5976 - 6382	5	0	192	47.4	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1035.1	0.0	SH 3
6382 - 6155	5	0	10	47.7	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1035.8	0.0	
6155 - 6293	4	0	112	38.0	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1046.4	0.0	SH 3
6293 - 6292	4	0	120	37.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	1058.0	0.0	SH 3
6292 - 10246	4	0	72	37.3	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1065.0	0.0	SH 3
10246 - 6294	4	0	57	37.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1070.5	0.0	SH 3
6294 - 4434	15	0	123	52.6	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1078.9	0.0	
4434 - 4433	4	0	13	37.3	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1080.1	0.0	
4433 - 6037	5	0	192	46.8	0.0	14.8	0.0	0.0	0.0	14.8	0.0	1094.9	0.0	SH 3
6037 - 4871	5	0	81	46.5	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1101.2	0.0	SH 3
4871 - 6203	6	0	294	57.0	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1119.7	0.0	SH 3
6203 - 2732	7	0	958	67.5	0.0	51.1	0.0	0.0	0.0	51.1	0.0	1170.8	0.0	SH 3
2732 - 4872	7	0	653	67.5	0.0	34.8	0.0	0.0	0.0	34.8	0.0	1205.7	0.0	SH 3
4872 - 6405	6	0	302	56.9	0.0	19.1	0.0	0.0	0.0	19.1	0.0	1224.8	0.0	SH 3
6405 - 10264	15	0	89	52.6	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1230.9	0.0	SH 3
10264 - 6406	5	0	234	47.1	0.0	17.9	0.0	0.0	0.0	17.9	0.0	1248.7	0.0	SH 3
6406 - 6213	5	0	215	47.2	0.0	16.4	0.0	0.0	0.0	16.4	0.0	1265.1	0.0	SH 3
6213 - 10252	5	0	50	47.3	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1268.9	0.0	SH 3
10252 - 6083	5	0	64	47.3	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1273.8	0.0	SH 3
6083 - 5967	5	0	20	46.7	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1275.4	0.0	
5967 - 5966	5	0	123	46.8	0.0	9.5	0.0	0.0	0.0	9.5	0.0	1284.8	0.0	SH 3
5966 - 5968	5	0	59	46.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1289.4	0.0	SH 3
5968 - 5969	5	0	83	46.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	1295.9	0.0	SH 3
5969 - 4548	5	3	7	46.3	0.0	0.5	0.0	12.0	0.0	12.5	0.0	1308.4	0.0	
4548 - 4541	6	0	284	58.0	0.0	17.6	0.0	0.0	0.0	17.6	0.0	1326.0	0.0	
4541 - 4509	6	0	123	58.0	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1333.7	0.0	GEORGE STREET
4509 - 10257	6	0	95	57.7	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1339.6	0.0	SH 3
10257 - 4510	6	0	67	57.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1343.8	0.0	SH 3
4510 - 2824	6	3	294	57.7	0.0	18.3	0.0	13.0	0.0	31.3	0.0	1375.1	0.0	SH 3
2824 - 3916	6	0	55	57.3	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1378.6	0.0	OHAUPO ROAD
3916 - 5829	6	0	216	57.9	0.0	13.4	0.0	0.0	0.0	13.4	0.0	1392.0	0.0	SH 3
5829 - 3941	6	0	51	57.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1395.2	0.0	SH 3
3941 - 2592	6	0	90	57.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1400.8	0.0	OHAUPO ROAD
2592 - 2593	6	0	43	57.9	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1403.4	0.0	OHAUPO ROAD
2593 - 5433	6	0	47	57.9	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1406.4	0.0	
5433 - 5434	6	0	134	57.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1414.8	0.0	OHAUPO ROAD
5434 - 10255	6	0	227	57.2	0.0	14.3	0.0	0.0	0.0	14.3	0.0	1429.1	0.0	SH 3
10255 - 5435	16	0	217	62.9	0.0	12.4	0.0	0.0	0.0	12.4	0.0	1441.5	0.0	SH 3
5435 - 4860	7	0	582	67.7	0.0	30.9	0.0	0.0	0.0	30.9	0.0	1472.4	0.0	SH 3
4860 - 5844	19	0	1007	93.3	0.0	38.9	0.0	0.0	0.0	38.9	0.0	1511.3	0.0	OHAUPO ROAD
5844 - 6129	19	0	870	93.3	0.0	33.6	0.0	1.0	0.0	34.6	0.0	1545.8	0.0	SH 3
6129 - 6351	19	0	356	93.2	0.0	13.8	0.0	0.0	0.0	13.8	0.0	1559.6	0.0	SH 3
6351 - 5933	19	0	178	94.2	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1566.4	0.0	SH 3
5933 - 6239	19	0	262	94.2	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1576.4	0.0	SH 3
6239 - 10306	19	0	257	94.2	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1586.2	0.0	SH 3
10306 - 6352	19	0	1764	94.2	0.0	67.4	0.0	0.0	0.0	67.4	0.0	1653.6	0.0	SH 3
6352 - 4888	19	0	919	94.3	0.0	35.1	0.0	0.0	0.0	35.1	0.0	1688.7	0.0	SH 3
4888 - 4437	19	0	1126	94.3	0.0	43.0	0.0	0.0	0.0	43.0	0.0	1731.7	0.0	OHAUPO ROAD
4437 - 6355	9	0	1002	88.8	0.0	40.6	0.0	2.0	0.0	42.6	0.0	1774.3	0.0	SH 3
6355 - 4814	9	0	384	88.0	0.0	15.7	0.0	0.0	0.0	15.7	0.0	1790.0	0.0	SH 3
4814 - 4837	8	0	568	77.9	0.0	26.2	0.0	0.0	0.0	26.2	0.0	1816.3	0.0	SH 3
4837 - 6069	7	0	398	67.8	0.0	21.1	0.0	0.0	0.0	21.1	0.0	1837.4	0.0	SH 3
6069 - 6070	15	0	104	52.5	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1844.6	0.0	SH 3
6070 - 10315	15	0	113	52.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1852.3	0.0	SH 3
10315 - 2745	15	0	198	52.5	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1865.9	0.0	SH 3
2745 - 4554	7	0	1414	67.6	0.0	75.3	0.0	0.0	0.0	75.3	0.0	1941.2	0.0	SH 3
4554 - 4553	7	0	553	67.5	0.0	29.5	0.0	0.0	0.0	29.5	0.0	1970.7	0.0	SH 3
4553 - 4861	8	0	45	78.8	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1972.7	0.0	
4861 - 10684	9	0	1282	88.6	0.0	52.1	0.0	0.0	0.0	52.1	0.0	2024.8	0.0	OHAUPO ROAD

10684 -	2621	9	0	817	88.6	0.0	33.2	0.0	0.0	0.0	33.2	0.0	2058.0	0.0	OHAUPO ROAD
2621 -	6356	9	0	617	87.7	0.0	25.3	0.0	0.0	0.0	25.3	0.0	2083.4	0.0	
6356 -	6357	9	0	91	87.7	0.0	3.7	0.0	0.0	0.0	3.7	0.0	2087.1	0.0	SH 3
6357 -	6358	9	0	81	88.1	0.0	3.3	0.0	0.0	0.0	3.3	0.0	2090.4	0.0	SH 3
6358 -	6359	9	0	625	88.1	0.0	25.5	0.0	0.0	0.0	25.5	0.0	2115.9	0.0	SH 3
6359 -	6360	9	0	451	88.1	0.0	18.4	0.0	0.0	0.0	18.4	0.0	2134.4	0.0	SH 3
6360 -	6337	9	0	291	88.1	0.0	11.9	0.0	0.0	0.0	11.9	0.0	2146.3	0.0	SH 3
6337 -	5867	9	0	1164	88.0	0.0	47.6	0.0	0.0	0.0	47.6	0.0	2193.9	0.0	SH 3
5867 -	2923	9	0	1132	88.0	0.0	46.3	0.0	0.0	0.0	46.3	0.0	2240.2	0.0	SH 3
2923 -	2922	9	0	474	87.8	0.0	19.4	0.0	0.0	0.0	19.4	0.0	2259.6	0.0	OHAUPO ROAD
2922 -	2581	9	0	246	87.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	2269.7	0.0	SH 3
2581 -	2631	9	0	690	87.5	0.0	28.4	0.0	0.0	0.0	28.4	0.0	2298.1	0.0	SH 3
2631 -	2917	9	0	636	87.5	0.0	26.2	0.0	0.0	0.0	26.2	0.0	2324.3	0.0	SH 3
2917 -	3157	9	0	1045	87.5	0.0	43.0	0.0	0.0	0.0	43.0	0.0	2367.3	0.0	SH 3

Modelled Totals		52656		80.1		2338.3		29.0		2367.3					
Observed Totals					0.0		2409.0		5.8		2414.8				

Observed Journey Time = 2414.83 Implied Average Speed = 78.5
Modelled Journey Time = 2367.26 Modelled Average Speed = 80.1
98.03% 102.01%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 28 Movement Analysis - times in seconds

R11aSB SH3
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
4923 - 3157	7	0	101	65.8	0.0	5.5	0.0	0.0	0.0	5.5	0.0	5.5	0.0	SH 3
3157 - 2917	9	0	1045	86.1	0.0	43.7	0.0	0.0	0.0	43.7	0.0	49.2	0.0	SH 3
2917 - 2631	9	0	636	86.1	0.0	26.6	0.0	0.0	0.0	26.6	0.0	75.8	0.0	SH 3
2631 - 2581	9	0	690	86.1	0.0	28.9	0.0	0.0	0.0	28.9	0.0	104.7	0.0	SH 3
2581 - 2922	9	0	246	86.5	0.0	10.2	0.0	0.0	0.0	10.2	0.0	114.9	0.0	SH 3
2922 - 2923	9	0	474	86.5	0.0	19.7	0.0	0.0	0.0	19.7	0.0	134.6	0.0	OHAUPO ROAD
2923 - 5867	9	0	1132	87.0	0.0	46.8	0.0	0.0	0.0	46.8	0.0	181.5	0.0	SH 3
5867 - 6337	9	0	1164	87.0	0.0	48.2	0.0	2.0	0.0	50.2	0.0	231.6	0.0	SH 3
6337 - 6360	9	0	291	86.9	0.0	12.1	0.0	0.0	0.0	12.1	0.0	243.7	0.0	SH 3
6360 - 6359	9	0	451	86.9	0.0	18.7	0.0	0.0	0.0	18.7	0.0	262.4	0.0	SH 3
6359 - 6358	9	0	625	86.9	0.0	25.9	0.0	0.0	0.0	25.9	0.0	288.3	0.0	SH 3
6358 - 6357	9	0	81	86.9	0.0	3.4	0.0	0.0	0.0	3.4	0.0	291.6	0.0	SH 3
6357 - 6356	9	0	91	86.9	0.0	3.8	0.0	0.0	0.0	3.8	0.0	295.4	0.0	SH 3
6356 - 2621	9	0	617	86.9	0.0	25.6	0.0	0.0	0.0	25.6	0.0	321.0	0.0	
2621 - 10684	9	0	817	88.2	0.0	33.3	0.0	0.0	0.0	33.3	0.0	354.3	0.0	OHAUPO ROAD
10684 - 4861	9	0	1282	88.2	0.0	52.3	0.0	0.0	0.0	52.3	0.0	406.6	0.0	OHAUPO ROAD
4861 - 4553	8	0	45	78.3	0.0	2.1	0.0	0.0	0.0	2.1	0.0	408.7	0.0	
4553 - 4554	7	0	553	66.5	0.0	29.9	0.0	0.0	0.0	29.9	0.0	438.6	0.0	SH 3
4554 - 2745	7	0	1414	66.7	0.0	76.3	0.0	0.0	0.0	76.3	0.0	514.9	0.0	SH 3
2745 - 10315	15	0	198	51.4	0.0	13.9	0.0	0.0	0.0	13.9	0.0	528.8	0.0	SH 3
10315 - 6070	15	0	113	51.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	536.7	0.0	SH 3
6070 - 6069	15	0	104	51.4	0.0	7.3	0.0	0.0	0.0	7.3	0.0	544.0	0.0	SH 3
6069 - 4837	7	0	398	67.0	0.0	21.4	0.0	0.0	0.0	21.4	0.0	565.4	0.0	SH 3
4837 - 4814	8	0	568	77.0	0.0	26.6	0.0	0.0	0.0	26.6	0.0	592.0	0.0	SH 3
4814 - 6355	9	0	384	87.3	0.0	15.8	0.0	0.0	0.0	15.8	0.0	607.8	0.0	SH 3
6355 - 4437	9	0	1002	88.4	0.0	40.8	0.0	0.0	0.0	40.8	0.0	648.6	0.0	SH 3
4437 - 4888	19	0	1126	93.8	0.0	43.2	0.0	0.0	0.0	43.2	0.0	691.8	0.0	OHAUPO ROAD
4888 - 6352	19	0	919	93.8	0.0	35.3	0.0	0.0	0.0	35.3	0.0	727.1	0.0	SH 3
6352 - 10306	19	0	1764	93.8	0.0	67.7	0.0	0.0	0.0	67.7	0.0	794.8	0.0	SH 3
10306 - 6239	19	0	257	93.8	0.0	9.9	0.0	0.0	0.0	9.9	0.0	804.6	0.0	SH 3
6239 - 5933	19	0	262	93.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	814.7	0.0	SH 3
5933 - 6351	19	0	178	93.8	0.0	6.8	0.0	3.0	0.0	9.8	0.0	824.5	0.0	SH 3
6351 - 6129	19	0	356	92.4	0.0	13.9	0.0	2.0	0.0	15.9	0.0	840.4	0.0	SH 3
6129 - 5844	19	0	870	92.5	0.0	33.9	0.0	0.0	0.0	33.9	0.0	874.3	0.0	SH 3
5844 - 4860	19	0	1007	92.5	0.0	39.2	0.0	0.0	0.0	39.2	0.0	913.5	0.0	OHAUPO ROAD
4860 - 5435	7	0	582	67.2	0.0	31.2	0.0	0.0	0.0	31.2	0.0	944.6	0.0	SH 3
5435 - 10255	16	0	217	62.3	0.0	12.5	0.0	0.0	0.0	12.5	0.0	957.2	0.0	SH 3
10255 - 5434	6	0	227	56.6	0.0	14.4	0.0	0.0	0.0	14.4	0.0	971.6	0.0	SH 3
5434 - 5433	6	0	134	56.6	0.0	8.5	0.0	0.0	0.0	8.5	0.0	980.1	0.0	OHAUPO ROAD
5433 - 2593	6	0	47	57.2	0.0	3.0	0.0	0.0	0.0	3.0	0.0	983.1	0.0	
2593 - 2592	6	0	43	57.2	0.0	2.7	0.0	0.0	0.0	2.7	0.0	985.8	0.0	OHAUPO ROAD
2592 - 3941	6	0	90	57.2	0.0	5.7	0.0	0.0	0.0	5.7	0.0	991.5	0.0	OHAUPO ROAD
3941 - 5829	6	0	51	57.2	0.0	3.2	0.0	0.0	0.0	3.2	0.0	994.7	0.0	SH 3
5829 - 3916	6	0	216	57.2	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1008.3	0.0	SH 3
3916 - 2824	6	3	55	56.4	0.0	3.5	0.0	14.0	0.0	17.5	0.0	1025.8	0.0	OHAUPO ROAD
2824 - 4510	6	0	294	57.1	0.0	18.5	0.0	0.0	0.0	18.5	0.0	1044.3	0.0	SH 3
4510 - 10257	6	0	67	57.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1048.5	0.0	SH 3
10257 - 4509	6	0	95	57.1	0.0	6.0	0.0	0.0	0.0	6.0	0.0	1054.5	0.0	SH 3
4509 - 4541	6	0	123	56.5	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1062.4	0.0	GEORGE STREET
4541 - 4548	6	3	284	56.8	0.0	18.0	0.0	14.0	0.0	32.0	0.0	1094.4	0.0	
4548 - 5969	5	0	7	43.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1094.9	0.0	
5969 - 5968	5	0	83	43.0	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1101.9	0.0	SH 3
5968 - 5966	5	0	59	42.9	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1106.8	0.0	SH 3
5966 - 5967	5	0	123	44.5	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1116.8	0.0	SH 3
5967 - 6083	5	0	20	44.3	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1118.4	0.0	
6083 - 10252	5	0	64	45.4	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1123.5	0.0	SH 3
10252 - 6213	5	0	50	45.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	1127.5	0.0	SH 3
6213 - 6406	5	0	215	45.3	0.0	17.1	0.0	0.0	0.0	17.1	0.0	1144.6	0.0	SH 3
6406 - 10264	5	0	234	45.2	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1163.2	0.0	SH 3
10264 - 6405	15	0	89	51.1	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1169.5	0.0	SH 3
6405 - 4872	6	0	302	55.4	0.0	19.6	0.0	0.0	0.0	19.6	0.0	1189.1	0.0	SH 3
4872 - 2732	7	0	653	66.3	0.0	35.5	0.0	2.0	0.0	37.5	0.0	1226.5	0.0	SH 3
2732 - 6203	7	0	958	66.6	0.0	51.8	0.0	0.0	0.0	51.8	0.0	1278.3	0.0	SH 3
6203 - 4871	6	0	294	55.7	0.0	19.0	0.0	0.0	0.0	19.0	0.0	1297.3	0.0	SH 3
4871 - 6037	5	0	81	45.1	0.0	6.5	0.0	0.0	0.0	6.5	0.0	1303.8	0.0	SH 3
6037 - 4433	5	0	192	45.6	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1318.9	0.0	SH 3
4433 - 4434	4	0	13	36.4	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1320.2	0.0	
4434 - 6294	15	0	123	51.8	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1328.8	0.0	
6294 - 10246	4	0	57	36.4	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1334.4	0.0	SH 3
10246 - 6292	4	0	72	36.4	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1341.5	0.0	SH 3
6292 - 6293	4	0	120	36.4	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1353.4	0.0	SH 3
6293 - 6155	4	0	112	37.7	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1364.1	0.0	SH 3
6155 - 6382	5	0	10	47.4	0.0	0.8	0.0	0.0	0.0	0.8	0.0	1364.9	0.0	
6382 - 5976	5	0	192	47.2	0.0	14.6	0.0	0.0	0.0	14.6	0.0	1379.5	0.0	SH 3
5976 - 6031	5	0	222	47.2	0.0	16.9	0.0	0.0	0.0	16.9	0.0	1396.4	0.0	SH 3
6031 - 2628	9	0	1279	88.0	0.0	52.3	0.0	0.0	0.0	52.3	0.0	1448.8	0.0	OTOROHANGA ROAD
2628 - 10244	10	0	3028	98.7	0.0	110.4	0.0	0.0	0.0	110.4	0.0	1559.2	0.0	SH 3
10244 - 10776	10	0	1083	98.8	0.0	39.5	0.0	0.0	0.0	39.5	0.0	1598.7	0.0	SH 3
10776 - 9521	10	0	1611	98.8	0.0	58.7	0.0	2.0	0.0	60.7	0.0	1659.4	0.0	SH 3

```
 9521 -  9939   10 0   358  99.1   0.0   13.0    0.0   0.0     0.0   13.0    0.0  1672.4     0.0    OTOROHANGA
ROAD
 9939 - 10241   10 0  6166  99.1   0.0  224.0    0.0   0.0     0.0  224.0    0.0  1896.4     0.0    OTOROHANGA
ROAD
10241 - 10121   19 0  7195  94.3   0.0  274.7    0.0   0.0     0.0  274.7    0.0  2171.0     0.0    OTOROHANGA
ROAD
10121 - 10240   17 0  2403  74.0   0.0  116.9    0.0   0.0     0.0  116.9    0.0  2287.9     0.0    MAIN NORTH
ROAD
10240 - 10126    6 0   657  58.5   0.0   40.4    0.0   0.0     0.0   40.4    0.0  2328.4     0.0    MAIN NORTH
ROAD
10126 - 10127    6 0   268  58.5   0.0   16.5    0.0   0.0     0.0   16.5    0.0  2344.9     0.0    MAIN NORTH
ROAD
10127 - 10239    4 0   302  38.0   0.0   28.6    0.0   0.0     0.0   28.6    0.0  2373.5     0.0    MANIAPOTO
STREET
10239 - 10120    4 0   276  36.9   0.0   26.9    0.0   3.1     0.0   30.0    0.0  2403.5     0.0    MANIAPOTO
STREET

Modelled Totals    52757  79.0       2361.4         42.1         2403.5
Observed Totals                 0.0        2360.7          11.3        2372.0

Observed Journey Time =  2371.98     Implied Average Speed =  80.1
Modelled Journey Time =  2403.50    Modelled Average Speed =  79.0
                         101.33%                            98.69%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 29 Movement Analysis - times in seconds

R11bNB SH39

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total    Mdl    Time
10120 -  3575   15 0   672  53.2   0.0   45.5    0.0   0.0     0.0   45.5    0.0    45.5     0.0    SH 31
 3575 - 10128   15 0   776  53.9   0.0   51.8    0.0   0.0     0.0   51.8    0.0    97.3     0.0    SH 31
10128 -  8269   10 0  6024  99.4   0.0  218.2    0.0   0.0     0.0  218.2    0.0   315.5     0.0    SH 31
 8269 -  9935   10 0  4169  99.4   0.0  151.0    0.0   0.0     0.0  151.0    0.0   466.5     0.0    SH 31
 9935 -  9937    9 0  1900  88.8   0.0   77.0    0.0   0.0     0.0   77.0    0.0   543.5     0.0    SH 31
 9937 -  9936   10 0    70  99.6   0.0    2.5    0.0   0.0     0.0    2.5    0.0   546.0     0.0    SYMES ROAD
 9936 -  8270    9 0  8797  89.0   0.0  355.8    0.0   0.0     0.0  355.8    0.0   901.9     0.0    SH 39
 8270 - 10732    9 0  3044  89.0   0.0  123.1    0.0   0.0     0.0  123.1    0.0  1025.0     0.0    SH 39
10732 -  4428   15 0  1696  54.2   0.0  112.6    0.0   0.0     0.0  112.6    0.0  1137.6     0.0    SH 39
 4428 -  6500   15 0   425  54.3   0.0   28.2    0.0   0.0     0.0   28.2    0.0  1165.8     0.0    BAFFIN
STREET
 6500 -  6144   15 0   200  54.2   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1179.1     0.0    SH 39
 6144 -  6453   15 0   229  54.2   0.0   15.2    0.0   0.0     0.0   15.2    0.0  1194.3     0.0    SH 39
 6453 -  6153   15 0   224  54.1   0.0   14.9    0.0   0.0     0.0   14.9    0.0  1209.2     0.0    SH 39
 6153 - 10690   15 0   138  54.1   0.0    9.2    0.0   0.0     0.0    9.2    0.0  1218.4     0.0    SH 39
10690 -  4570   15 0    84  54.1   0.0    5.6    0.0   0.0     0.0    5.6    0.0  1224.0     0.0    SH 39
 4570 -  6049    6 0   219  58.9   0.0   13.4    0.0   0.0     0.0   13.4    0.0  1237.4     0.0    SH 39
 6049 -  4158    7 0    26  68.9   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1238.7     0.0
 4158 -  2729   18 0   486  83.7   0.0   20.9    0.0   0.0     0.0   20.9    0.0  1259.6     0.0    SH 39
 2729 -  5877   10 0  2671  99.5   0.0   96.6    0.0   0.0     0.0   96.6    0.0  1356.3     0.0    SH 39
 5877 -  5878   10 0   832  99.4   0.0   30.1    0.0   0.0     0.0   30.1    0.0  1386.4     0.0    SH 39
 5878 -  4487   10 0  1027  99.5   0.0   37.2    0.0   0.0     0.0   37.2    0.0  1423.6     0.0    SH 39
 4487 -  4694   10 0   680  99.5   0.0   24.6    0.0   0.0     0.0   24.6    0.0  1448.2     0.0    SH 39
 4694 -  5875   10 0  1686  99.5   0.0   61.0    0.0   0.0     0.0   61.0    0.0  1509.2     0.0    SH 39
 5875 -  5873   10 0   471  99.5   0.0   17.0    0.0   0.0     0.0   17.0    0.0  1526.2     0.0    SH 39
 5873 -  5872   10 0   948  99.5   0.0   34.3    0.0   0.0     0.0   34.3    0.0  1560.5     0.0    SH 39
 5872 -  5871   10 0  1923  99.3   0.0   69.7    0.0   0.0     0.0   69.7    0.0  1630.2     0.0    SH 39
 5871 -  4501   10 0  1215  99.3   0.0   44.0    0.0   0.0     0.0   44.0    0.0  1674.3     0.0    SH 39
 4501 -  2759    6 0   175  58.6   0.0   10.8    0.0   0.0     0.0   10.8    0.0  1685.0     0.0    SH 39
 2759 - 10237    6 0   322  58.6   0.0   19.8    0.0   0.0     0.0   19.8    0.0  1704.8     0.0    SH 39
10237 -  2760   17 0   413  74.0   0.0   20.1    0.0   0.0     0.0   20.1    0.0  1724.9     0.0    SH 39
 2760 -  5870   10 0  2223  99.3   0.0   80.6    0.0   0.0     0.0   80.6    0.0  1805.5     0.0    SH 39
 5870 -  5869   10 0  1579  99.3   0.0   57.2    0.0   0.0     0.0   57.2    0.0  1862.7     0.0    SH 39
 5869 -  5868   10 0    74  99.3   0.0    2.7    0.0   0.0     0.0    2.7    0.0  1865.4     0.0    SH 39
 5868 -  5727   10 0  1566  99.6   0.0   56.6    0.0   0.0     0.0   56.6    0.0  1922.0     0.0    SH 39
 5727 -  5633   10 0   367  99.6   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1935.3     0.0    SH 39
 5633 -  5507   10 0  1115  99.6   0.0   40.3    0.0   0.0     0.0   40.3    0.0  1975.6     0.0    SH 39
 5507 -  5508   10 0   862  99.6   0.0   31.2    0.0   0.0     0.0   31.2    0.0  2006.7     0.0    SH 39
 5508 -  4843   16 0     7  64.6   0.0    0.4    0.0   0.0     0.0    0.4    0.0  2007.1     0.0
 4843 -  4844   10 0  1872  99.5   0.0   67.7    0.0   0.0     0.0   67.7    0.0  2074.9     0.0    SH 39
 4844 -  5572   10 0  1145  99.5   0.0   41.4    0.0   0.0     0.0   41.4    0.0  2116.3     0.0    SH 39
 5572 -  5537   10 0   412  99.5   0.0   14.9    0.0   0.0     0.0   14.9    0.0  2131.2     0.0    SH 39
 5537 -  5640    8 4   924  79.2   0.0   42.0    0.0  11.0     0.0   53.0    0.0  2184.2     0.0    SH 39
 5640 -  5602   15 0    56  52.3   0.0    3.9    0.0  10.0     0.0   13.9    0.0  2198.0     0.0    SH 23
 5602 -  5601   15 0   191  54.1   0.0   12.7    0.0   0.0     0.0   12.7    0.0  2210.8     0.0    SH 39
 5601 -  5603   15 0     8  54.1   0.0    0.5    0.0   0.0     0.0    0.5    0.0  2211.3     0.0
 5603 - 10233    7 0   205  69.0   0.0   10.7    0.0   0.0     0.0   10.7    0.0  2222.0     0.0    SH 39
10233 -  5604    7 0   246  69.0   0.0   12.8    0.0   0.0     0.0   12.8    0.0  2234.8     0.0    SH 39
 5604 -  5605    7 0   307  69.0   0.0   16.0    0.0   0.0     0.0   16.0    0.0  2250.8     0.0    SH 39
 5605 -  5606    8 0   780  79.2   0.0   35.5    0.0   0.0     0.0   35.5    0.0  2286.3     0.0    SH 39
 5606 -  5607    8 0   257  79.1   0.0   11.7    0.0   0.0     0.0   11.7    0.0  2298.0     0.0    SH 39
 5607 -  5608    8 0    81  79.3   0.0    3.7    0.0   0.0     0.0    3.7    0.0  2301.7     0.0    SH 39
 5608 -  5609   10 0   710  99.5   0.0   25.7    0.0   0.0     0.0   25.7    0.0  2327.4     0.0    SH 39
 5609 -  5619   10 0  2177  99.5   0.0   78.8    0.0   0.0     0.0   78.8    0.0  2406.1     0.0    SH 39
 5619 -  5744   10 0   193  99.6   0.0    7.0    0.0   0.0     0.0    7.0    0.0  2413.1     0.0    SH 39
 5744 -  4717    9 0   488  89.0   0.0   19.7    0.0   0.0     0.0   19.7    0.0  2432.8     0.0    SH 39
 4717 - 10231    8 0  1179  79.4   0.0   53.5    0.0   0.0     0.0   53.5    0.0  2486.3     0.0    SH 39
10231 -  4635   15 0   165  54.3   0.0   10.9    0.0   0.0     0.0   10.9    0.0  2497.2     0.0    SH 39
 4635 -  4718   15 0   127  54.3   0.0    8.4    0.0   0.0     0.0    8.4    0.0  2505.7     0.0    SH 39
 4718 -  4728   15 0   345  54.3   0.0   22.9    0.0   0.0     0.0   22.9    0.0  2528.5     0.0    SH 39
 4728 -  3731   15 0   209  54.0   0.0   13.9    0.0   0.0     0.0   13.9    0.0  2542.5     0.0    SH 39
 3731 -  3730    7 0   221  68.9   0.0   11.5    0.0   0.0     0.0   11.5    0.0  2554.0     0.0    SH 39
 3730 -  5760    9 0  1707  88.9   0.0   69.1    0.0   0.0     0.0   69.1    0.0  2623.1     0.0    SH 39
 5760 -  2681   10 0  1354  99.5   0.0   49.0    0.0   0.0     0.0   49.0    0.0  2672.1     0.0    SH 39
 2681 - 10679   10 0  2523  99.6   0.0   91.2    0.0   0.0     0.0   91.2    0.0  2763.3     0.0    SH 39
10679 -  5655    8 0   710  79.3   0.0   32.2    0.0   0.0     0.0   32.2    0.0  2795.5     0.0    SH 39
 5655 -  2825    8 0   149  79.3   0.0    6.8    0.0   0.0     0.0    6.8    0.0  2802.3     0.0    SH 39
 2825 -  2709    8 0   968  79.3   0.0   43.9    0.0   0.0     0.0   43.9    0.0  2846.3     0.0    SH 39
 2709 -  2708    7 0   753  69.2   0.0   39.2    0.0   0.0     0.0   39.2    0.0  2885.4     0.0    SH 39
 2708 -  5761   15 0    29  54.7   0.0    1.9    0.0   0.0     0.0    1.9    0.0  2887.3     0.0    SH 39
 5761 -  5644   15 0    39  54.6   0.0    2.6    0.0   0.0     0.0    2.6    0.0  2889.9     0.0    SH 39
 5644 -  4619   15 0   330  54.6   0.0   21.8    0.0   0.0     0.0   21.8    0.0  2911.7     0.0    SH 39
 4619 -  5481   15 4   118  54.6   0.0    7.8    0.0   6.2     0.0   14.0    0.0  2925.6     0.0    SH 39

Modelled Totals    70313  86.5       2898.4         27.2         2925.6
Observed Totals                0.0        2868.0          7.9        2875.9

Observed Journey Time =  2875.94     Implied Average Speed =  88.0
Modelled Journey Time =  2925.64    Modelled Average Speed =  86.5
                        101.73%                              98.30%
```

```
+----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+----------------------------------------------------------------------------------------+

Journey 30 Movement Analysis - times in seconds

R11bSB SH39

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 5824 -  5862   15 0    88  53.6   0.0    5.9    0.0   0.0     0.0    5.9    0.0     5.9     0.0    ELLERY
STREET
 5862 -  5481   15 0    17  53.6   0.0    1.1    0.0   6.0     0.0    7.1    0.0    13.1     0.0
 5481 -  4619   15 0   118  54.5   0.0    7.8    0.0   0.0     0.0    7.8    0.0    20.8     0.0    SH 39
 4619 -  5644   15 0   330  54.5   0.0   21.8    0.0   0.0     0.0   21.8    0.0    42.6     0.0    SH 39
 5644 -  5761   15 0    39  54.5   0.0    2.6    0.0   0.0     0.0    2.6    0.0    45.2     0.0    SH 39
 5761 -  2708   15 0    29  54.6   0.0    1.9    0.0   2.0     0.0    3.9    0.0    49.1     0.0    SH 39
 2708 -  2709    7 0   753  69.1   0.0   39.2    0.0   0.0     0.0   39.2    0.0    88.4     0.0    SH 39
 2709 -  2825    8 0   968  79.2   0.0   44.0    0.0   0.0     0.0   44.0    0.0   132.4     0.0    SH 39
 2825 -  5655    8 0   149  79.2   0.0    6.8    0.0   0.0     0.0    6.8    0.0   139.1     0.0    SH 39
 5655 - 10679    8 0   710  79.2   0.0   32.3    0.0   0.0     0.0   32.3    0.0   171.4     0.0    SH 39
10679 -  2681   10 0  2523  99.5   0.0   91.3    0.0   0.0     0.0   91.3    0.0   262.7     0.0    SH 39
 2681 -  5760   10 0  1354  99.5   0.0   49.0    0.0   0.0     0.0   49.0    0.0   311.7     0.0    SH 39
 5760 -  3730    9 0  1707  89.0   0.0   69.0    0.0   0.0     0.0   69.0    0.0   380.7     0.0    SH 39
 3730 -  3731    7 0   221  69.0   0.0   11.5    0.0   0.0     0.0   11.5    0.0   392.3     0.0    SH 39
 3731 -  4728   15 0   209  54.0   0.0   13.9    0.0   0.0     0.0   13.9    0.0   406.2     0.0    SH 39
 4728 -  4718   15 0   345  54.2   0.0   22.9    0.0   0.0     0.0   22.9    0.0   429.1     0.0    SH 39
 4718 -  4635   15 0   127  54.2   0.0    8.4    0.0   0.0     0.0    8.4    0.0   437.5     0.0    SH 39
 4635 - 10231   15 0   165  54.2   0.0   11.0    0.0   0.0     0.0   11.0    0.0   448.5     0.0    SH 39
10231 -  4717    8 0  1179  79.2   0.0   53.6    0.0   0.0     0.0   53.6    0.0   502.1     0.0    SH 39
 4717 -  5744    9 0   488  88.8   0.0   19.8    0.0   0.0     0.0   19.8    0.0   521.9     0.0    SH 39
 5744 -  5619   10 0   193  99.4   0.0    7.0    0.0   0.0     0.0    7.0    0.0   528.9     0.0    SH 39
 5619 -  5609   10 0  2177  99.3   0.0   78.9    0.0   0.0     0.0   78.9    0.0   607.8     0.0    SH 39
 5609 -  5608   10 0   710  99.3   0.0   25.7    0.0   0.0     0.0   25.7    0.0   633.5     0.0    SH 39
 5608 -  5607    8 0    81  78.9   0.0    3.7    0.0   0.0     0.0    3.7    0.0   637.2     0.0    SH 39
 5607 -  5606    8 0   257  78.6   0.0   11.8    0.0   0.0     0.0   11.8    0.0   649.0     0.0    SH 39
 5606 -  5605    8 0   780  78.7   0.0   35.7    0.0   0.0     0.0   35.7    0.0   684.7     0.0    SH 39
 5605 -  5604    7 0   307  68.6   0.0   16.1    0.0   0.0     0.0   16.1    0.0   700.8     0.0    SH 39
 5604 - 10233    7 0   246  68.6   0.0   12.9    0.0   0.0     0.0   12.9    0.0   713.7     0.0    SH 39
10233 -  5603    7 0   205  68.6   0.0   10.8    0.0   0.0     0.0   10.8    0.0   724.5     0.0    SH 39
 5603 -  5601   15 0     8  53.5   0.0    0.5    0.0   0.0     0.0    0.5    0.0   725.0     0.0
 5601 -  5602   15 4   191  53.5   0.0   12.9    0.0   9.0     0.0   21.9    0.0   746.8     0.0    SH 39
 5602 -  5640   15 0    56  53.2   0.0    3.8    0.0  13.0     0.0   16.8    0.0   763.6     0.0    SH 23
 5640 -  5537    8 0   924  78.9   0.0   42.2    0.0   0.0     0.0   42.2    0.0   805.8     0.0    SH 39
 5537 -  5572   10 0   412  99.3   0.0   14.9    0.0   0.0     0.0   14.9    0.0   820.7     0.0    SH 39
 5572 -  4844   10 0  1145  99.3   0.0   41.5    0.0   0.0     0.0   41.5    0.0   862.2     0.0    SH 39
 4844 -  4843   10 0  1872  99.5   0.0   67.7    0.0   0.0     0.0   67.7    0.0   930.0     0.0    SH 39
 4843 -  5508   16 0     7  64.5   0.0    0.4    0.0   0.0     0.0    0.4    0.0   930.4     0.0
 5508 -  5507   10 0   862  99.6   0.0   31.2    0.0   0.0     0.0   31.2    0.0   961.5     0.0    SH 39
 5507 -  5633   10 0  1115  99.6   0.0   40.3    0.0   0.0     0.0   40.3    0.0  1001.8     0.0    SH 39
 5633 -  5727   10 0   367  99.6   0.0   13.3    0.0   0.0     0.0   13.3    0.0  1015.1     0.0    SH 39
 5727 -  5868   10 0  1566  99.6   0.0   56.6    0.0   0.0     0.0   56.6    0.0  1071.7     0.0    SH 39
 5868 -  5869   10 0    74  98.9   0.0    2.7    0.0   0.0     0.0    2.7    0.0  1074.4     0.0    SH 39
 5869 -  5870   10 0  1579  98.9   0.0   57.5    0.0   0.0     0.0   57.5    0.0  1131.9     0.0    SH 39
 5870 -  2760   10 0  2223  98.9   0.0   80.9    0.0   0.0     0.0   80.9    0.0  1212.8     0.0    SH 39
 2760 - 10237   17 0   413  73.6   0.0   20.2    0.0   0.0     0.0   20.2    0.0  1233.0     0.0    SH 39
10237 -  2759    6 0   322  58.1   0.0   20.0    0.0   0.0     0.0   20.0    0.0  1252.9     0.0    SH 39
 2759 -  4501    6 0   175  58.1   0.0   10.8    0.0   1.0     0.0   11.8    0.0  1264.8     0.0    SH 39
 4501 -  5871   10 0  1215  98.8   0.0   44.3    0.0   0.0     0.0   44.3    0.0  1309.0     0.0    SH 39
 5871 -  5872   10 0  1923  98.8   0.0   70.1    0.0   0.0     0.0   70.1    0.0  1379.1     0.0    SH 39
 5872 -  5873   10 0   948  99.0   0.0   34.5    0.0   0.0     0.0   34.5    0.0  1413.6     0.0    SH 39
 5873 -  5875   10 0   471  99.0   0.0   17.1    0.0   0.0     0.0   17.1    0.0  1430.7     0.0    SH 39
 5875 -  4694   10 0  1686  99.0   0.0   61.3    0.0   0.0     0.0   61.3    0.0  1492.0     0.0    SH 39
 4694 -  4487   10 0   680  99.0   0.0   24.7    0.0   0.0     0.0   24.7    0.0  1516.8     0.0    SH 39
 4487 -  5878   10 0  1027  99.0   0.0   37.3    0.0   0.0     0.0   37.3    0.0  1554.1     0.0    SH 39
 5878 -  5877   10 0   832  99.1   0.0   30.2    0.0   0.0     0.0   30.2    0.0  1584.3     0.0    SH 39
 5877 -  2729   10 0  2671  99.2   0.0   96.9    0.0   0.0     0.0   96.9    0.0  1681.3     0.0    SH 39
 2729 -  4158   18 0   486  83.4   0.0   21.0    0.0   0.0     0.0   21.0    0.0  1702.2     0.0    SH 39
 4158 -  6049    7 0    26  68.5   0.0    1.4    0.0   0.0     0.0    1.4    0.0  1703.6     0.0
 6049 -  4570    6 0   219  58.3   0.0   13.5    0.0   0.0     0.0   13.5    0.0  1717.1     0.0    SH 39
 4570 - 10690   15 0    84  53.5   0.0    5.7    0.0   0.0     0.0    5.7    0.0  1722.8     0.0    SH 39
10690 -  6153   15 0   138  53.5   0.0    9.3    0.0   0.0     0.0    9.3    0.0  1732.1     0.0    SH 39
 6153 -  6453   15 0   224  53.5   0.0   15.1    0.0   1.0     0.0   16.1    0.0  1748.1     0.0    SH 39
 6453 -  6144   15 0   229  53.6   0.0   15.4    0.0   0.0     0.0   15.4    0.0  1763.5     0.0    SH 39
 6144 -  6500   15 0   200  53.6   0.0   13.4    0.0   0.0     0.0   13.4    0.0  1776.9     0.0    SH 39
 6500 -  4428   15 0   425  54.0   0.0   28.3    0.0   0.0     0.0   28.3    0.0  1805.3     0.0    BAFFIN
STREET
 4428 - 10732   15 0  1696  53.9   0.0  113.3    0.0   0.0     0.0  113.3    0.0  1918.6     0.0    SH 39
10732 -  8270    9 0  3044  88.8   0.0  123.4    0.0   0.0     0.0  123.4    0.0  2042.0     0.0    SH 39
 8270 -  9936    9 0  8797  88.8   0.0  356.6    0.0   0.0     0.0  356.6    0.0  2398.6     0.0    SH 39
 9936 -  9937   10 0    70  99.3   0.0    2.5    0.0   0.0     0.0    2.5    0.0  2401.1     0.0    SYMES ROAD
 9937 -  9935    9 0  1900  88.8   0.0   77.0    0.0   0.0     0.0   77.0    0.0  2478.2     0.0    SH 31
 9935 -  8269   10 0  4169  99.4   0.0  151.0    0.0   0.0     0.0  151.0    0.0  2629.2     0.0    SH 31
 8269 - 10128   10 0  6024  99.5   0.0  218.0    0.0   1.9     0.0  219.9    0.0  2849.0     0.0    SH 31

Modelled Totals    68970  87.2       2815.1         33.9         2849.0
Observed Totals                0.0        2901.0          4.9        2905.9

Observed Journey Time =  2905.92     Implied Average Speed =  85.4
Modelled Journey Time =  2849.00    Modelled Average Speed =  87.2
                         98.04%                            102.00%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 31 Movement Analysis - times in seconds

R1NB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4926 -  3428    9 0   331  86.0   0.0   13.9    0.0   0.0     0.0   13.9    0.0    13.9     0.0    CAMBRIDGE
ROAD
 3428 -  3429    7 0    11  67.6   0.0    0.6    0.0   0.0     0.0    0.6    0.0    14.4     0.0
 3429 -  3586    7 0   102  67.7   0.0    5.4    0.0   0.0     0.0    5.4    0.0    19.9     0.0    CAMBRIDGE
ROAD
 3586 -  3587    7 0    80  67.7   0.0    4.3    0.0   0.0     0.0    4.3    0.0    24.1     0.0    CAMBRIDGE
ROAD
 3587 -  4157    6 0   145  57.1   0.0    9.1    0.0   0.0     0.0    9.1    0.0    33.3     0.0    CAMBRIDGE
ROAD
 4157 - 10700    6 0    84  57.0   0.0    5.3    0.0   0.0     0.0    5.3    0.0    38.6     0.0    CAMBRIDGE
ROAD
10700 -  3072    6 0   153  57.0   0.0    9.7    0.0   0.0     0.0    9.7    0.0    48.2     0.0    CAMBRIDGE
ROAD
 3072 -  3076    6 3   124  57.1   0.0    7.8    0.0  12.0     0.0   19.8    0.0    68.0     0.0    CAMBRIDGE
ROAD
 3076 -  5202    6 3   315  56.1   0.0   20.2    0.0   8.0     0.0   28.2    0.0    96.3     0.0    CAMBRIDGE
ROAD
 5202 -  5140    6 0    26  57.4   0.0    1.6    0.0   0.0     0.0    1.6    0.0    97.9     0.0    COBHAM DRIVE
 5140 -  5143    6 0   121  57.3   0.0    7.6    0.0   0.0     0.0    7.6    0.0   105.5     0.0    COBHAM DRIVE
 5143 - 10699    6 0   136  57.4   0.0    8.5    0.0   0.0     0.0    8.5    0.0   114.0     0.0    COBHAM DRIVE
10699 -  4897    6 0   160  57.4   0.0   10.0    0.0   0.0     0.0   10.0    0.0   124.1     0.0    COBHAM DRIVE
 4897 -  3421    8 0   667  77.6   0.0   30.9    0.0   0.0     0.0   30.9    0.0   155.0     0.0    COBHAM DRIVE
 3421 -  3420    8 3   236  77.6   0.0   10.9    0.0  17.0     0.0   27.9    0.0   183.0     0.0    COBHAM DRIVE
 3420 - 10642    8 0   129  77.2   0.0    6.0    0.0   0.0     0.0    6.0    0.0   189.0     0.0    COBHAM DRIVE
10642 -  3555    8 0   119  77.2   0.0    5.5    0.0   0.0     0.0    5.5    0.0   194.5     0.0    COBHAM DRIVE
 3555 -  3435    8 0   171  77.2   0.0    8.0    0.0   0.0     0.0    8.0    0.0   202.5     0.0    COBHAM DRIVE
 3435 -  3552    8 0    41  77.2   0.0    1.9    0.0   0.0     0.0    1.9    0.0   204.4     0.0    COBHAM DRIVE
 3552 -  3436    8 0    99  77.6   0.0    4.6    0.0   3.0     0.0    7.6    0.0   212.0     0.0    COBHAM DRIVE
 3436 -  3670    8 0   395  75.3   0.0   18.9    0.0   0.0     0.0   18.9    0.0   230.9     0.0    SH 1
 3670 -  3509    5 0   204  41.7   0.0   17.6    0.0   0.0     0.0   17.6    0.0   248.5     0.0    COBHAM
BRIDGE
 3509 -  3099    5 0   429  46.6   0.0   33.1    0.0   0.0     0.0   33.1    0.0   281.6     0.0    COBHAM DRIVE
 3099 -  3673    5 0    50  48.7   0.0    3.7    0.0   0.0     0.0    3.7    0.0   285.3     0.0    COBHAM DRIVE
 3673 -  3674    5 0    49  48.7   0.0    3.6    0.0   0.0     0.0    3.6    0.0   289.0     0.0    COBHAM DRIVE
 3674 -  3676    5 6    29  48.7   0.0    2.1    0.0  54.0     0.0   56.1    0.0   345.1     0.0    COBHAM DRIVE
 3676 -  3677    7 0   131  68.9   0.0    6.8    0.0   0.0     0.0    6.8    0.0   351.9     0.0    COBHAM DRIVE
 3677 -  9799    7 0    82  68.9   0.0    4.3    0.0   0.0     0.0    4.3    0.0   356.2     0.0    COBHAM DRIVE
 9799 - 10483    7 0   217  68.0   0.0   11.5    0.0   0.0     0.0   11.5    0.0   367.7     0.0    COBHAM DRIVE
10483 -  3672    7 0   264  68.0   0.0   14.0    0.0   0.0     0.0   14.0    0.0   381.7     0.0    COBHAM DRIVE
 3672 -  3936    7 0   408  68.0   0.0   21.6    0.0   0.0     0.0   21.6    0.0   403.3     0.0    COBHAM DRIVE
 3936 -  8194   15 0    24  52.8   0.0    1.6    0.0   0.0     0.0    1.6    0.0   404.9     0.0    COBHAM DRIVE
 8194 -  3370   15 3    58  52.8   0.0    4.0    0.0  12.0     0.0   16.0    0.0   420.9     0.0    COBHAM DRIVE
 3370 -  8195    5 0    99  47.1   0.0    7.6    0.0   0.0     0.0    7.6    0.0   428.4     0.0    COBHAM DRIVE
 8195 -  3457    5 3    58  47.1   0.0    4.4    0.0   7.0     0.0   11.4    0.0   439.9     0.0    COBHAM DRIVE
 3457 -  3768    5 0    21  48.6   0.0    1.6    0.0   0.0     0.0    1.6    0.0   441.4     0.0    ANGLESEA
STREET
 3768 -  6689    5 0    47  48.6   0.0    3.5    0.0   0.0     0.0    3.5    0.0   444.9     0.0    ANGLESEA
STREET
 6689 -  7442    5 0   168  48.5   0.0   12.5    0.0   0.0     0.0   12.5    0.0   457.4     0.0    ANGLESEA
STREET
 7442 -  6685    5 0    82  47.7   0.0    6.2    0.0   0.0     0.0    6.2    0.0   463.6     0.0    ANGLESEA
STREET
 6685 -  7072    5 6    21  48.6   0.0    1.6    0.0  24.0     0.0   25.6    0.0   489.1     0.0
 7072 -  8202    5 0    21  48.6   0.0    1.6    0.0   0.0     0.0    1.6    0.0   490.7     0.0    ANGLESEA
STREET
 8202 -  2513    5 0    46  48.6   0.0    3.4    0.0   0.0     0.0    3.4    0.0   494.1     0.0    ANGLESEA
STREET
 2513 - 10474    5 0   115  48.3   0.0    8.6    0.0   0.0     0.0    8.6    0.0   502.7     0.0    ANGLESEA
STREET
10474 -  7193    5 7    66  48.0   0.0    4.9    0.0  12.0     0.0   17.0    0.0   519.6     0.0    ANGLESEA
STREET
 7193 - 10461    5 0    54  48.1   0.0    4.0    0.0   0.0     0.0    4.0    0.0   523.7     0.0    ANGLESEA
STREET
10461 -  5382    5 0    66  48.0   0.0    4.9    0.0   0.0     0.0    4.9    0.0   528.6     0.0    ANGLESEA
STREET
 5382 -  2514    5 0    89  48.0   0.0    6.7    0.0   0.0     0.0    6.7    0.0   535.3     0.0    ANGLESEA
STREET
 2514 -  5383    5 0    58  47.8   0.0    4.4    0.0   0.0     0.0    4.4    0.0   539.6     0.0    ANGLESEA
STREET
 5383 -  5384    5 7    63  47.5   0.0    4.8    0.0  17.0     0.0   21.8    0.0   561.4     0.0    ANGLESEA
STREET
 5384 -  7069    5 6   123  46.5   0.0    9.5    0.0  17.0     0.0   26.5    0.0   587.9     0.0    ANGLESEA
STREET
 7069 - 10463   15 0   103  53.6   0.0    6.9    0.0   0.0     0.0    6.9    0.0   594.9     0.0    ANGLESEA
STREET
10463 -  6868   15 7   139  53.4   0.0    9.4    0.0  26.0     0.0   35.4    0.0   630.2     0.0    ANGLESEA
STREET
 6868 - 10466   15 0   127  52.7   0.0    8.7    0.0   0.0     0.0    8.7    0.0   638.9     0.0    ANGLESEA
STREET
10466 -  3757   15 7   116  52.5   0.0    8.0    0.0  23.0     0.0   31.0    0.0   669.9     0.0    ANGLESEA
STREET
```

3757 - 10467	15	0	207	52.6	0.0	14.2	0.0	0.0	0.0	14.2	0.0	684.0	0.0	ANGLESEA STREET
10467 - 3758	15	0	29	52.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	686.0	0.0	ANGLESEA STREET
3758 - 3131	15	0	12	52.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	686.9	0.0	
3131 - 3471	15	0	172	52.9	0.0	11.7	0.0	0.0	0.0	11.7	0.0	698.6	0.0	WILLOUGHBY STREET
3471 - 3469	15	6	12	52.9	0.0	0.8	0.0	41.0	0.0	41.8	0.0	740.4	0.0	
3469 - 8221	15	0	21	52.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	741.8	0.0	MILL STREET
8221 - 3470	15	0	107	52.7	0.0	7.3	0.0	0.0	0.0	7.3	0.0	749.1	0.0	MILL STREET
3470 - 3129	15	6	122	52.3	0.0	8.4	0.0	32.0	0.0	40.4	0.0	789.5	0.0	MILL STREET
3129 - 10509	5	0	146	48.1	0.0	10.9	0.0	0.0	0.0	10.9	0.0	800.5	0.0	ULSTER STREET
10509 - 6921	5	0	101	48.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	808.0	0.0	ULSTER STREET
6921 - 6920	15	0	205	53.6	0.0	13.8	0.0	0.0	0.0	13.8	0.0	821.8	0.0	ULSTER STREET
6920 - 4759	15	0	36	53.6	0.0	2.4	0.0	0.0	0.0	2.4	0.0	824.2	0.0	
4759 - 4760	15	0	511	52.4	0.0	35.1	0.0	0.0	0.0	35.1	0.0	859.3	0.0	ULSTER STREET
4760 - 6669	6	0	171	57.2	0.0	10.8	0.0	0.0	0.0	10.8	0.0	870.1	0.0	ULSTER STREET
6669 - 8225	6	0	276	57.8	0.0	17.2	0.0	0.0	0.0	17.2	0.0	887.2	0.0	ULSTER STREET
8225 - 6670	6	7	29	57.8	0.0	1.8	0.0	42.0	0.0	43.8	0.0	931.1	0.0	ULSTER STREET
6670 - 8222	6	0	26	57.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	932.7	0.0	TE RAPA ROAD
8222 - 6671	6	0	104	56.6	0.0	6.6	0.0	0.0	0.0	6.6	0.0	939.3	0.0	TE RAPA ROAD
6671 - 4991	6	0	70	57.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	943.7	0.0	TE RAPA ROAD
4991 - 4990	6	0	158	57.4	0.0	9.9	0.0	0.0	0.0	9.9	0.0	953.6	0.0	TE RAPA ROAD
4990 - 6726	6	0	93	57.4	0.0	5.8	0.0	0.0	0.0	5.8	0.0	959.4	0.0	TE RAPA ROAD
6726 - 10668	6	0	169	57.7	0.0	10.5	0.0	0.0	0.0	10.5	0.0	970.0	0.0	TE RAPA ROAD
10668 - 5111	6	0	73	57.7	0.0	4.6	0.0	0.0	0.0	4.6	0.0	974.5	0.0	TE RAPA ROAD
5111 - 7076	6	0	86	57.8	0.0	5.4	0.0	0.0	0.0	5.4	0.0	979.9	0.0	TE RAPA ROAD
7076 - 6865	6	0	81	58.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	984.9	0.0	TE RAPA ROAD
6865 - 3364	6	7	148	58.0	0.0	9.2	0.0	38.0	0.0	47.2	0.0	1032.1	0.0	TE RAPA ROAD
3364 - 3260	6	0	195	58.1	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1044.2	0.0	TE RAPA ROAD
3260 - 3330	6	6	109	58.1	0.0	6.8	0.0	102.0	0.0	108.8	0.0	1152.9	0.0	TE RAPA ROAD
3330 - 3327	6	0	183	57.9	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1164.3	0.0	TE RAPA ROAD
3327 - 6863	6	0	91	57.2	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1170.0	0.0	TE RAPA ROAD
6863 - 6674	6	0	156	57.2	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1179.9	0.0	TE RAPA ROAD
6674 - 10672	6	0	86	57.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1185.3	0.0	TE RAPA ROAD
10672 - 6673	6	3	178	57.0	0.0	11.2	0.0	11.0	0.0	22.2	0.0	1207.5	0.0	TE RAPA ROAD
6673 - 6864	6	0	428	57.4	0.0	26.8	0.0	0.0	0.0	26.8	0.0	1234.4	0.0	TE RAPA ROAD
6864 - 6672	6	7	392	56.2	0.0	25.1	0.0	37.0	0.0	62.1	0.0	1296.5	0.0	TE RAPA ROAD
6672 - 3486	15	0	101	52.3	0.0	7.0	0.0	0.0	0.0	7.0	0.0	1303.4	0.0	GREAT SOUTH ROAD
3486 - 3480	15	3	252	52.3	0.0	17.3	0.0	16.0	0.0	33.3	0.0	1336.8	0.0	GREAT SOUTH ROAD
3480 - 3488	15	0	176	51.1	0.0	12.4	0.0	0.0	0.0	12.4	0.0	1349.2	0.0	GREAT SOUTH ROAD
3488 - 3514	15	0	163	51.1	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1360.7	0.0	GREAT SOUTH ROAD
3514 - 3501	15	3	180	51.1	0.0	12.7	0.0	8.0	0.0	20.7	0.0	1381.3	0.0	GREAT SOUTH ROAD
3501 - 3513	15	0	68	51.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1386.1	0.0	GREAT SOUTH ROAD
3513 - 3511	15	0	344	29.6	0.0	41.8	0.0	0.0	0.0	41.8	0.0	1427.9	0.0	GREAT SOUTH ROAD

Modelled Totals	13539	34.1	868.9	559.0	1427.9	
Observed Totals		0.0	1406.4	143.6	1550.0	

Observed Journey Time = 1550.00 Implied Average Speed = 31.4
Modelled Journey Time = 1427.94 Modelled Average Speed = 34.1
92.13% 108.55%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 32 Movement Analysis - times in seconds

R1SB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3504 -  3511   15 0   118  51.7   0.0    8.2    0.0   4.0     0.0   12.2    0.0    12.2     0.0    GREAT SOUTH
ROAD
 3511 -  3513   15 0   344  40.9   0.0   30.3    0.0   0.0     0.0   30.3    0.0    42.5     0.0    GREAT SOUTH
ROAD
 3513 -  3501   15 3    68  51.7   0.0    4.7    0.0  11.0     0.0   15.7    0.0    58.2     0.0    GREAT SOUTH
ROAD
 3501 -  3514   15 0   180  51.6   0.0   12.6    0.0   0.0     0.0   12.6    0.0    70.8     0.0    GREAT SOUTH
ROAD
 3514 -  3488   15 0   163  51.6   0.0   11.4    0.0   0.0     0.0   11.4    0.0    82.2     0.0    GREAT SOUTH
ROAD
 3488 -  3480   15 3   176  51.6   0.0   12.3    0.0  15.0     0.0   27.3    0.0   109.4     0.0    GREAT SOUTH
ROAD
 3480 -  3486   15 0   252  53.4   0.0   17.0    0.0   0.0     0.0   17.0    0.0   126.4     0.0    GREAT SOUTH
ROAD
 3486 -  6672   15 7   101  53.9   0.0    6.7    0.0  50.0     0.0   56.7    0.0   183.2     0.0    GREAT SOUTH
ROAD
 6672 -  6864    6 0   392  58.0   0.0   24.3    0.0   0.0     0.0   24.3    0.0   207.5     0.0    TE RAPA ROAD
 6864 -  6673    6 3   428  58.3   0.0   26.4    0.0  13.0     0.0   39.4    0.0   246.9     0.0    TE RAPA ROAD
 6673 - 10672    6 0   178  56.7   0.0   11.3    0.0   0.0     0.0   11.3    0.0   258.2     0.0    TE RAPA ROAD
10672 -  6674    6 0    86  56.6   0.0    5.5    0.0   0.0     0.0    5.5    0.0   263.7     0.0    TE RAPA ROAD
 6674 -  6863    6 0   156  56.6   0.0    9.9    0.0   0.0     0.0    9.9    0.0   273.6     0.0    TE RAPA ROAD
 6863 -  3327    6 0    91  56.6   0.0    5.8    0.0   0.0     0.0    5.8    0.0   279.4     0.0    TE RAPA ROAD
 3327 -  3330    6 6   183  57.4   0.0   11.5    0.0  94.0     0.0  105.5    0.0   384.9     0.0    TE RAPA ROAD
 3330 -  3260    6 0   109  56.8   0.0    6.9    0.0   0.0     0.0    6.9    0.0   391.8     0.0    TE RAPA ROAD
 3260 -  3364    6 7   195  56.8   0.0   12.4    0.0  29.0     0.0   41.4    0.0   433.2     0.0    TE RAPA ROAD
 3364 -  6865    6 0   148  56.7   0.0    9.4    0.0   0.0     0.0    9.4    0.0   442.6     0.0    TE RAPA ROAD
 6865 -  7076    6 0    81  56.7   0.0    5.1    0.0   0.0     0.0    5.1    0.0   447.7     0.0    TE RAPA ROAD
 7076 -  5111    6 0    86  56.4   0.0    5.5    0.0   0.0     0.0    5.5    0.0   453.2     0.0    TE RAPA ROAD
 5111 - 10668    6 0    73  56.5   0.0    4.7    0.0   0.0     0.0    4.7    0.0   457.8     0.0    TE RAPA ROAD
10668 -  6726    6 0   169  56.5   0.0   10.8    0.0   0.0     0.0   10.8    0.0   468.6     0.0    TE RAPA ROAD
 6726 -  4990    6 0    93  56.2   0.0    6.0    0.0   0.0     0.0    6.0    0.0   474.6     0.0    TE RAPA ROAD
 4990 -  4991    6 0   158  56.5   0.0   10.1    0.0   0.0     0.0   10.1    0.0   484.6     0.0    TE RAPA ROAD
 4991 -  6671    6 0    70  56.5   0.0    4.5    0.0   0.0     0.0    4.5    0.0   489.1     0.0    TE RAPA ROAD
 6671 -  8222    6 0   104  55.9   0.0    6.7    0.0   0.0     0.0    6.7    0.0   495.8     0.0    TE RAPA ROAD
 8222 -  6670    6 7    26  55.9   0.0    1.7    0.0  39.0     0.0   40.7    0.0   536.5     0.0    TE RAPA ROAD
 6670 -  8225    6 0    29  57.5   0.0    1.8    0.0   0.0     0.0    1.8    0.0   538.3     0.0    ULSTER
STREET
 8225 -  6669    6 0   276  57.4   0.0   17.3    0.0   0.0     0.0   17.3    0.0   555.6     0.0    ULSTER
STREET
 6669 -  4760    6 0   171  57.7   0.0   10.7    0.0   0.0     0.0   10.7    0.0   566.3     0.0    ULSTER
STREET
 4760 -  4759   15 0   511  52.5   0.0   35.0    0.0   0.0     0.0   35.0    0.0   601.3     0.0    ULSTER
STREET
 4759 -  6920   15 0    36  52.6   0.0    2.5    0.0   0.0     0.0    2.5    0.0   603.8     0.0
 6920 -  6921   15 0   205  52.6   0.0   14.0    0.0   0.0     0.0   14.0    0.0   617.8     0.0    ULSTER
STREET
 6921 - 10509    5 0   101  46.9   0.0    7.8    0.0   0.0     0.0    7.8    0.0   625.5     0.0    ULSTER
STREET
10509 -  3129    5 7   146  46.7   0.0   11.3    0.0  39.0     0.0   50.3    0.0   675.8     0.0    ULSTER
STREET
 3129 -  3470   15 0   122  52.4   0.0    8.4    0.0   0.0     0.0    8.4    0.0   684.2     0.0    MILL STREET
 3470 -  8221   15 0   107  52.0   0.0    7.4    0.0   0.0     0.0    7.4    0.0   691.6     0.0    MILL STREET
 8221 -  3469   15 6    21  52.6   0.0    1.4    0.0   0.0     0.0    1.4    0.0   693.0     0.0    MILL STREET
 3469 -  3471   15 0    12  54.3   0.0    0.8    0.0   0.0     0.0    0.8    0.0   693.8     0.0
 3471 -  3131   15 0   172  53.2   0.0   11.6    0.0   0.0     0.0   11.6    0.0   705.5     0.0    WILLOUGHBY
STREET
 3131 -  3758   15 0    12  52.9   0.0    0.8    0.0   0.0     0.0    0.8    0.0   706.3     0.0
 3758 - 10467   15 0    29  53.8   0.0    1.9    0.0   0.0     0.0    1.9    0.0   708.2     0.0    ANGLESEA
STREET
10467 -  3757   15 7   207  53.9   0.0   13.8    0.0  47.0     0.0   60.8    0.0   769.0     0.0    ANGLESEA
STREET
 3757 - 10466   15 0   116  54.0   0.0    7.7    0.0   0.0     0.0    7.7    0.0   776.8     0.0    ANGLESEA
STREET
10466 -  6868   15 7   127  53.9   0.0    8.5    0.0  29.0     0.0   37.5    0.0   814.3     0.0    ANGLESEA
STREET
 6868 - 10463   15 0   139  53.9   0.0    9.3    0.0   0.0     0.0    9.3    0.0   823.5     0.0    ANGLESEA
STREET
10463 -  7069   15 6   103  53.6   0.0    6.9    0.0  61.0     0.0   67.9    0.0   891.5     0.0    ANGLESEA
STREET
 7069 -  5384    5 7   123  48.5   0.0    9.1    0.0  16.0     0.0   25.1    0.0   916.6     0.0    ANGLESEA
STREET
 5384 -  5383    5 0    63  47.7   0.0    4.8    0.0   0.0     0.0    4.8    0.0   921.3     0.0    ANGLESEA
STREET
 5383 -  2514    5 0    58  47.7   0.0    4.4    0.0   0.0     0.0    4.4    0.0   925.7     0.0    ANGLESEA
STREET
 2514 -  5382    5 0    89  47.7   0.0    6.7    0.0   0.0     0.0    6.7    0.0   932.4     0.0    ANGLESEA
STREET
 5382 - 10461    5 0    66  47.7   0.0    5.0    0.0   0.0     0.0    5.0    0.0   937.4     0.0    ANGLESEA
STREET
10461 -  7193    5 7    54  47.7   0.0    4.1    0.0  13.0     0.0   17.1    0.0   954.5     0.0    ANGLESEA
STREET
```

7193 - 10474	5	0	66	47.7	0.0	5.0	0.0	0.0	0.0	5.0	0.0	959.5	0.0	ANGLESEA STREET
10474 - 2513	5	0	115	47.6	0.0	8.7	0.0	0.0	0.0	8.7	0.0	968.2	0.0	ANGLESEA STREET
2513 - 8202	5	0	46	47.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	971.7	0.0	ANGLESEA STREET
8202 - 7072	5	6	21	48.1	0.0	1.6	0.0	25.0	0.0	26.6	0.0	998.2	0.0	ANGLESEA STREET
7072 - 6685	5	0	21	47.9	0.0	1.6	0.0	0.0	0.0	1.6	0.0	999.8	0.0	
6685 - 7442	5	0	82	47.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1006.0	0.0	ANGLESEA STREET
7442 - 6689	5	0	168	47.9	0.0	12.6	0.0	0.0	0.0	12.6	0.0	1018.6	0.0	ANGLESEA STREET
6689 - 3768	5	0	47	47.5	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1022.2	0.0	ANGLESEA STREET
3768 - 3457	5	3	21	47.5	0.0	1.6	0.0	15.0	0.0	16.6	0.0	1038.8	0.0	ANGLESEA STREET
3457 - 8195	5	0	58	46.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1043.2	0.0	COBHAM DRIVE
8195 - 8194	5	2	127	44.5	0.0	10.3	0.0	10.0	0.0	20.3	0.0	1063.5	0.0	COBHAM DRIVE
8194 - 3936	15	0	24	48.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	1065.3	0.0	COBHAM DRIVE
3936 - 3672	7	0	408	65.6	0.0	22.4	0.0	0.0	0.0	22.4	0.0	1087.7	0.0	COBHAM DRIVE
3672 - 10483	7	0	264	64.8	0.0	14.7	0.0	0.0	0.0	14.7	0.0	1102.3	0.0	COBHAM DRIVE
10483 - 3677	7	0	298	64.8	0.0	16.6	0.0	0.0	0.0	16.6	0.0	1118.9	0.0	COBHAM DRIVE
3677 - 3676	7	6	131	64.8	0.0	7.3	0.0	12.0	0.0	19.3	0.0	1138.2	0.0	COBHAM DRIVE
3676 - 3674	5	0	29	44.9	0.0	2.3	0.0	0.0	0.0	2.3	0.0	1140.5	0.0	COBHAM DRIVE
3674 - 3673	5	0	49	44.9	0.0	3.9	0.0	5.0	0.0	8.9	0.0	1149.4	0.0	COBHAM DRIVE
3673 - 3099	5	0	50	10.2	0.0	17.6	0.0	0.0	0.0	17.6	0.0	1167.1	0.0	COBHAM DRIVE
3099 - 3509	5	0	429	10.2	0.0	151.4	0.0	0.0	0.0	151.4	0.0	1318.5	0.0	COBHAM DRIVE
3509 - 3670	5	0	204	10.2	0.0	72.0	0.0	0.0	0.0	72.0	0.0	1390.5	0.0	COBHAM BRIDGE
3670 - 3436	8	0	395	76.3	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1409.1	0.0	SH 1
3436 - 3552	8	0	99	76.3	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1413.8	0.0	COBHAM DRIVE
3552 - 3435	8	0	41	75.6	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1415.7	0.0	COBHAM DRIVE
3435 - 3555	8	0	171	75.6	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1423.9	0.0	COBHAM DRIVE
3555 - 10642	8	0	119	75.7	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1429.6	0.0	COBHAM DRIVE
10642 - 3420	8	3	129	75.7	0.0	6.1	0.0	15.0	0.0	21.1	0.0	1450.7	0.0	COBHAM DRIVE
3420 - 3421	8	0	236	76.3	0.0	11.1	0.0	0.0	0.0	11.1	0.0	1461.8	0.0	COBHAM DRIVE
3421 - 4897	8	0	667	76.3	0.0	31.5	0.0	0.0	0.0	31.5	0.0	1493.3	0.0	COBHAM DRIVE
4897 - 10699	6	0	160	56.1	0.0	10.3	0.0	0.0	0.0	10.3	0.0	1503.6	0.0	COBHAM DRIVE
10699 - 5143	6	0	136	56.1	0.0	8.7	0.0	0.0	0.0	8.7	0.0	1512.3	0.0	COBHAM DRIVE
5143 - 5140	6	0	121	56.1	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1520.1	0.0	COBHAM DRIVE
5140 - 5202	6	3	26	56.1	0.0	1.7	0.0	18.0	0.0	19.7	0.0	1539.7	0.0	COBHAM DRIVE
5202 - 3076	6	3	315	55.2	0.0	20.5	0.0	17.0	0.0	37.5	0.0	1577.3	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	56.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	1585.2	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	56.4	0.0	9.8	0.0	4.0	0.0	13.8	0.0	1598.9	0.0	CAMBRIDGE ROAD
10700 - 4157	6	0	84	48.2	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1605.2	0.0	CAMBRIDGE ROAD
4157 - 3587	6	0	145	48.9	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1615.9	0.0	CAMBRIDGE ROAD
3587 - 3586	7	0	80	62.7	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1620.5	0.0	CAMBRIDGE ROAD
3586 - 3429	7	0	102	62.5	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1626.4	0.0	CAMBRIDGE ROAD
3429 - 3428	7	0	11	62.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1627.0	0.0	

Modelled Totals	13295	29.4	1046.0	581.0	1627.0
Observed Totals		0.0	1385.1	119.2	1504.3

Observed Journey Time = 1504.30 Implied Average Speed = 31.8
Modelled Journey Time = 1626.99 Modelled Average Speed = 29.4
108.16% 92.46%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 33 Movement Analysis - times in seconds

R2EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3770 - 4763	15	0	143	51.4	0.0	10.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	SH 3
4763 - 4764	15	0	42	51.4	0.0	2.9	0.0	0.0	0.0	2.9	0.0	13.0	0.0	SH 3
4764 - 4762	15	0	30	51.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0	15.1	0.0	SH 3
4762 - 4761	15	0	98	51.2	0.0	6.9	0.0	0.0	0.0	6.9	0.0	22.0	0.0	SH 3
4761 - 4393	15	6	105	51.2	0.0	7.4	0.0	29.0	0.0	36.4	0.0	58.3	0.0	SH 3
4393 - 8248	6	0	22	54.9	0.0	1.4	0.0	0.0	0.0	1.4	0.0	59.8	0.0	SH 1
8248 - 2531	6	0	68	54.9	0.0	4.5	0.0	0.0	0.0	4.5	0.0	64.2	0.0	SH 1
2531 - 4514	6	0	57	54.6	0.0	3.8	0.0	0.0	0.0	3.8	0.0	68.0	0.0	SH 1
4514 - 6683	6	0	108	55.0	0.0	7.1	0.0	0.0	0.0	7.1	0.0	75.1	0.0	KAHIKATEA DRIVE
6683 - 5351	7	0	181	65.9	0.0	9.9	0.0	0.0	0.0	9.9	0.0	85.0	0.0	KAHIKATEA DRIVE
5351 - 5251	7	0	88	65.9	0.0	4.8	0.0	0.0	0.0	4.8	0.0	89.8	0.0	KAHIKATEA DRIVE
5251 - 5253	7	0	58	65.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	92.9	0.0	KAHIKATEA DRIVE
5253 - 3683	7	0	68	65.9	0.0	3.7	0.0	0.0	0.0	3.7	0.0	96.7	0.0	KAHIKATEA DRIVE
3683 - 10639	7	0	64	65.9	0.0	3.5	0.0	0.0	0.0	3.5	0.0	100.1	0.0	KAHIKATEA DRIVE
10639 - 5323	7	0	118	65.9	0.0	6.4	0.0	0.0	0.0	6.4	0.0	106.6	0.0	KAHIKATEA DRIVE
5323 - 4709	7	0	235	65.8	0.0	12.9	0.0	0.0	0.0	12.9	0.0	119.5	0.0	KAHIKATEA DRIVE
4709 - 3175	7	0	293	65.6	0.0	16.1	0.0	0.0	0.0	16.1	0.0	135.5	0.0	SH 1
3175 - 4793	7	0	230	65.6	0.0	12.6	0.0	0.0	0.0	12.6	0.0	148.2	0.0	SH 1
4793 - 5194	7	0	84	65.6	0.0	4.6	0.0	0.0	0.0	4.6	0.0	152.8	0.0	KAHIKATEA DRIVE
5194 - 6938	7	0	80	65.3	0.0	4.4	0.0	2.0	0.0	6.4	0.0	159.2	0.0	KAHIKATEA DRIVE
6938 - 3917	7	0	117	64.8	0.0	6.5	0.0	0.0	0.0	6.5	0.0	165.7	0.0	KAHIKATEA DRIVE
3917 - 3177	8	0	321	75.4	0.0	15.3	0.0	0.0	0.0	15.3	0.0	181.0	0.0	GREENWOOD STREET
3177 - 10650	8	0	417	75.1	0.0	20.0	0.0	0.0	0.0	20.0	0.0	201.0	0.0	GREENWOOD STREET
10650 - 4758	8	0	239	74.6	0.0	11.5	0.0	0.0	0.0	11.5	0.0	212.5	0.0	GREENWOOD STREET
4758 - 4757	8	3	158	74.6	0.0	7.6	0.0	24.0	0.0	31.6	0.0	244.1	0.0	GREENWOOD STREET
4757 - 3377	8	0	342	77.9	0.0	15.8	0.0	0.0	0.0	15.8	0.0	260.0	0.0	GREENWOOD STREET
3377 - 8210	8	0	299	77.7	0.0	13.9	0.0	0.0	0.0	13.9	0.0	273.8	0.0	GREENWOOD STREET
8210 - 3376	5	6	18	46.7	0.0	1.4	0.0	46.0	0.0	47.4	0.0	321.2	0.0	GREENWOOD STREET
3376 - 8211	5	0	16	48.0	0.0	1.2	0.0	0.0	0.0	1.2	0.0	322.4	0.0	LINCOLN STREET
8211 - 4755	7	0	37	68.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	324.3	0.0	LINCOLN STREET
4755 - 4756	8	0	69	78.6	0.0	3.2	0.0	0.0	0.0	3.2	0.0	327.5	0.0	LINCOLN STREET
4756 - 10496	8	0	102	77.4	0.0	4.7	0.0	0.0	0.0	4.7	0.0	332.2	0.0	LINCOLN STREET
10496 - 4988	8	0	175	77.4	0.0	8.1	0.0	0.0	0.0	8.1	0.0	340.4	0.0	LINCOLN STREET
4988 - 8207	8	0	115	77.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	345.7	0.0	LINCOLN STREET
8207 - 10497	8	0	78	77.3	0.0	3.6	0.0	0.0	0.0	3.6	0.0	349.4	0.0	LINCOLN STREET
10497 - 3455	8	0	226	77.3	0.0	10.5	0.0	0.0	0.0	10.5	0.0	359.9	0.0	LINCOLN STREET
3455 - 3456	8	6	117	77.3	0.0	5.4	0.0	79.0	0.0	84.4	0.0	444.3	0.0	LINCOLN STREET
3456 - 8206	15	0	21	41.8	0.0	1.8	0.0	0.0	0.0	1.8	0.0	446.2	0.0	LINCOLN STREET
8206 - 3266	7	0	198	37.5	0.0	19.0	0.0	0.0	0.0	19.0	0.0	465.2	0.0	LINCOLN STREET
3266 - 3267	7	0	117	37.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	476.4	0.0	LINCOLN STREET
3267 - 3476	7	6	57	37.5	0.0	5.5	0.0	33.0	0.0	38.5	0.0	514.9	0.0	LINCOLN STREET
3476 - 10530	7	0	135	40.1	0.0	12.1	0.0	0.0	0.0	12.1	0.0	527.0	0.0	AVALON DRIVE
10530 - 2657	7	0	103	40.1	0.0	9.2	0.0	0.0	0.0	9.2	0.0	536.2	0.0	AVALON DRIVE
2657 - 10657	7	0	109	34.4	0.0	11.4	0.0	0.0	0.0	11.4	0.0	547.6	0.0	AVALON DRIVE
10657 - 4911	7	0	98	34.4	0.0	10.3	0.0	0.0	0.0	10.3	0.0	557.9	0.0	AVALON DRIVE
4911 - 6657	7	0	224	34.4	0.0	23.4	0.0	0.0	0.0	23.4	0.0	581.3	0.0	AVALON DRIVE
6657 - 2577	8	0	127	68.7	0.0	6.7	0.0	0.0	0.0	6.7	0.0	588.0	0.0	AVALON DRIVE
2577 - 6658	8	0	118	68.6	0.0	6.2	0.0	0.0	0.0	6.2	0.0	594.2	0.0	AVALON DRIVE
6658 - 6661	8	0	151	67.7	0.0	8.0	0.0	0.0	0.0	8.0	0.0	602.2	0.0	AVALON DRIVE
6661 - 2525	8	0	141	70.9	0.0	7.2	0.0	0.0	0.0	7.2	0.0	609.4	0.0	AVALON DRIVE
2525 - 2574	8	0	79	71.9	0.0	4.0	0.0	0.0	0.0	4.0	0.0	613.3	0.0	SH1

2574	-	10426	8	0	105	71.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	618.6	0.0	SH1
10426	-	2519	8	0	185	73.3	0.0	9.1	0.0	0.0	0.0	9.1	0.0	627.7	0.0	SH1
2519	-	10660	8	0	71	74.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	631.2	0.0	SH 1
10660	-	2518	8	0	110	74.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	636.5	0.0	SH 1
2518	-	10664	8	0	530	74.1	0.0	25.7	0.0	0.0	0.0	25.7	0.0	662.2	0.0	AVALON DRIVE
10664	-	3285	8	0	195	73.7	0.0	9.5	0.0	0.0	0.0	9.5	0.0	671.8	0.0	AVALON DRIVE
3285	-	10428	8	0	149	73.8	0.0	7.3	0.0	0.0	0.0	7.3	0.0	679.0	0.0	AVALON DRIVE
10428	-	5113	8	0	491	73.8	0.0	24.0	0.0	0.0	0.0	24.0	0.0	703.0	0.0	AVALON DRIVE
5113	-	6660	17	0	42	66.1	0.0	2.3	0.0	0.0	0.0	2.3	0.0	705.3	0.0	AVALON DRIVE
6660	-	3483	8	0	785	73.2	0.0	38.6	0.0	0.0	0.0	38.6	0.0	743.9	0.0	AVALON DRIVE
3483	-	3480	8	3	151	76.9	0.0	7.1	0.0	23.0	0.0	30.1	0.0	774.0	0.0	AVALON DRIVE
3480	-	3487	8	0	197	77.8	0.0	9.1	0.0	0.0	0.0	9.1	0.0	783.1	0.0	WAIRERE DRIVE
3487	-	3648	8	0	93	74.6	0.0	4.5	0.0	0.0	0.0	4.5	0.0	787.6	0.0	WAIRERE DRIVE
3648	-	3644	8	3	109	77.2	0.0	5.1	0.0	23.0	0.0	28.1	0.0	815.6	0.0	WAIRERE DRIVE
3644	-	3939	8	0	107	75.8	0.0	5.1	0.0	6.0	0.0	11.1	0.0	826.7	0.0	WAIRERE DRIVE
3939	-	10675	8	0	546	22.2	0.0	88.5	0.0	0.0	0.0	88.5	0.0	915.3	0.0	WAIRERE DRIVE
10675	-	3652	8	0	761	22.2	0.0	123.4	0.0	0.0	0.0	123.4	0.0	1038.7	0.0	WAIRERE DRIVE
3652	-	3526	8	3	117	22.2	0.0	19.0	0.0	20.0	0.0	39.0	0.0	1077.6	0.0	WAIRERE DRIVE
3526	-	3502	8	4	563	74.6	0.0	27.2	0.0	15.0	0.0	42.2	0.0	1119.8	0.0	WAIRERE DRIVE
3502	-	3503	6	0	65	56.4	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1124.0	0.0	-- no name --
3503	-	3505	6	0	63	57.8	0.0	3.9	0.0	0.0	0.0	3.9	0.0	1127.9	0.0	-- no name --
3505	-	3543	8	0	133	77.5	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1134.1	0.0	WAIRERE DRIVE
3543	-	3563	8	0	1004	77.5	0.0	46.6	0.0	0.0	0.0	46.6	0.0	1180.7	0.0	WAIRERE DRIVE
3563	-	3558	7	3	112	68.6	0.0	5.9	0.0	17.0	0.0	22.9	0.0	1203.6	0.0	WAIRERE DRIVE
3558	-	3562	5	0	95	47.7	0.0	7.2	0.0	3.0	0.0	10.2	0.0	1213.7	0.0	HUKANUI ROAD
3562	-	4783	5	0	55	45.6	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1218.1	0.0	HUKANUI ROAD
4783	-	7279	5	0	78	45.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1224.2	0.0	HUKANUI ROAD
7279	-	7278	5	0	114	45.8	0.0	9.0	0.0	0.0	0.0	9.0	0.0	1233.2	0.0	HUKANUI ROAD
7278	-	7144	5	0	243	46.2	0.0	18.9	0.0	0.0	0.0	18.9	0.0	1252.1	0.0	HUKANUI ROAD
7144	-	6963	5	0	47	46.2	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1255.8	0.0	HUKANUI ROAD
6963	-	2979	5	0	55	46.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1260.1	0.0	HUKANUI ROAD
2979	-	3446	5	0	307	45.2	0.0	24.5	0.0	0.0	0.0	24.5	0.0	1284.5	0.0	HUKANUI ROAD
3446	-	2991	5	0	143	44.6	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1296.0	0.0	HUKANUI ROAD
2991	-	6872	5	0	57	45.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1300.6	0.0	HUKANUI ROAD
6872	-	10401	5	0	365	45.2	0.0	29.1	0.0	0.0	0.0	29.1	0.0	1329.7	0.0	HUKANUI ROAD
10401	-	6870	5	0	37	46.0	0.0	2.9	0.0	0.0	0.0	2.9	0.0	1332.6	0.0	HUKANUI ROAD
6870	-	7140	5	0	98	45.6	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1340.3	0.0	HUKANUI ROAD
7140	-	7137	5	0	263	45.6	0.0	20.8	0.0	0.0	0.0	20.8	0.0	1361.1	0.0	HUKANUI ROAD
7137	-	3710	5	0	343	45.7	0.0	27.0	0.0	0.0	0.0	27.0	0.0	1388.1	0.0	
3710	-	6691	5	3	127	45.6	0.0	10.0	0.0	12.0	0.0	22.0	0.0	1410.1	0.0	HUKANUI ROAD
6691	-	6693	14	0	98	41.0	0.0	8.6	0.0	0.0	0.0	8.6	0.0	1418.7	0.0	PEACHGROVE ROAD
6693	-	4151	14	0	132	41.0	0.0	11.6	0.0	0.0	0.0	11.6	0.0	1430.3	0.0	PEACHGROVE ROAD
4151	-	4998	14	0	261	41.7	0.0	22.5	0.0	0.0	0.0	22.5	0.0	1452.8	0.0	PEACHGROVE ROAD
4998	-	6760	14	0	138	41.5	0.0	12.0	0.0	0.0	0.0	12.0	0.0	1464.8	0.0	PEACHGROVE ROAD
6760	-	5197	14	0	199	41.7	0.0	17.2	0.0	3.0	0.0	20.2	0.0	1485.0	0.0	PEACHGROVE ROAD
5197	-	4975	14	0	180	41.8	0.0	15.5	0.0	1.0	0.0	16.5	0.0	1501.5	0.0	PEACHGROVE ROAD
4975	-	6862	14	0	59	41.6	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1506.6	0.0	PEACHGROVE ROAD
6862	-	4927	14	0	54	41.5	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1511.3	0.0	PEACHGROVE ROAD
4927	-	3437	14	0	139	41.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1523.3	0.0	PEACHGROVE ROAD
3437	-	3439	14	3	18	41.5	0.0	1.6	0.0	10.0	0.0	11.6	0.0	1534.9	0.0	PEACHGROVE ROAD
3439	-	3007	14	0	135	41.1	0.0	11.8	0.0	0.0	0.0	11.8	0.0	1546.7	0.0	PEACHGROVE ROAD
3007	-	6925	14	0	127	41.3	0.0	11.1	0.0	0.0	0.0	11.1	0.0	1557.8	0.0	PEACHGROVE ROAD
6925	-	4107	14	0	307	41.3	0.0	26.8	0.0	0.0	0.0	26.8	0.0	1584.6	0.0	PEACHGROVE ROAD
4107	-	5318	14	0	113	41.3	0.0	9.8	0.0	2.0	0.0	11.8	0.0	1596.4	0.0	PEACHGROVE ROAD
5318	-	8205	14	0	86	40.5	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1604.0	0.0	PEACHGROVE ROAD
8205	-	8203	14	0	46	40.5	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1608.1	0.0	PEACHGROVE ROAD
8203	-	10556	14	0	58	40.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	1613.3	0.0	PEACHGROVE ROAD
10556	-	8240	14	0	143	40.4	0.0	12.7	0.0	0.0	0.0	12.7	0.0	1626.0	0.0	PEACHGROVE ROAD
8240	-	3367	14	6	39	42.9	0.0	3.3	0.0	33.0	0.0	36.3	0.0	1662.3	0.0	PEACHGROVE ROAD
3367	-	7454	14	0	77	42.2	0.0	6.6	0.0	1.0	0.0	7.6	0.0	1669.9	0.0	PEACHGROVE ROAD

```
 7454 -  5086   14 0   133  42.2   0.0   11.3    0.0   1.0     0.0   12.3    0.0  1682.2     0.0    PEACHGROVE
ROAD
 5086 -  5085   14 0    95  42.2   0.0    8.1    0.0   0.0     0.0    8.1    0.0  1690.3     0.0    PEACHGROVE
ROAD
 5085 -  5087   14 0    41  42.2   0.0    3.5    0.0   2.0     0.0    5.5    0.0  1695.8     0.0    PEACHGROVE
ROAD
 5087 - 10647   14 0   160  42.1   0.0   13.7    0.0   0.0     0.0   13.7    0.0  1709.5     0.0    PEACHGROVE
ROAD
10647 -  5316   14 0    99  42.1   0.0    8.5    0.0   0.0     0.0    8.5    0.0  1718.0     0.0    PEACHGROVE
ROAD
 5316 -  3055   14 0    83  42.1   0.0    7.1    0.0   1.0     0.0    8.1    0.0  1726.1     0.0    PEACHGROVE
ROAD
 3055 -  5084   14 0   183  42.1   0.0   15.6    0.0   0.0     0.0   15.6    0.0  1741.7     0.0    PEACHGROVE
ROAD
 5084 -  3058   14 0   182  42.2   0.0   15.5    0.0   0.0     0.0   15.5    0.0  1757.2     0.0    PEACHGROVE
ROAD
 3058 -  8236   14 0    37  42.2   0.0    3.2    0.0   0.0     0.0    3.2    0.0  1760.4     0.0    PEACHGROVE
ROAD
 8236 -  3057   14 7    31  42.2   0.0    2.6    0.0  23.0     0.0   25.6    0.0  1786.0     0.0    PEACHGROVE
ROAD
 3057 -  8239   14 0    26  41.7   0.0    2.2    0.0   0.0     0.0    2.2    0.0  1788.3     0.0    GALLOWAY
STREET
 8239 -  6723   14 0   232  41.7   0.0   20.0    0.0   0.0     0.0   20.0    0.0  1808.3     0.0    GALLOWAY
STREET
 6723 - 10644   14 0    98  41.6   0.0    8.5    0.0   0.0     0.0    8.5    0.0  1816.8     0.0    GALLOWAY
STREET
10644 -  6722   14 0   106  41.9   0.0    9.1    0.0   0.0     0.0    9.1    0.0  1825.9     0.0    GALLOWAY
STREET
 6722 -  5120   14 0    92  41.8   0.0    7.9    0.0   0.0     0.0    7.9    0.0  1833.8     0.0    GALLOWAY
STREET
 5120 -  5119   14 0    32  42.0   0.0    2.7    0.0   0.0     0.0    2.7    0.0  1836.6     0.0
 5119 -  5121   14 0   121  42.3   0.0   10.3    0.0   0.0     0.0   10.3    0.0  1846.9     0.0    GALLOWAY
STREET
 5121 -  7895   14 0   155  42.2   0.0   13.2    0.0   0.0     0.0   13.2    0.0  1860.1     0.0    GALLOWAY
STREET
 7895 -  7894   14 7    91  42.2   0.0    7.8    0.0  26.0     0.0   33.8    0.0  1893.9     0.0    GALLOWAY
STREET
 7894 -  7897   14 0   240  44.3   0.0   19.5    0.0   1.0     0.0   20.5    0.0  1914.4     0.0    GALLOWAY
STREET
 7897 -  8676   14 0   128  43.9   0.0   10.5    0.0   0.0     0.0   10.5    0.0  1924.9     0.0    GALLOWAY
STREET
 8676 -  3420   14 3   112  43.9   0.0    9.2    0.0  19.9     0.0   29.1    0.0  1953.9     0.0    GALLOWAY
STREET

Modelled Totals    20693  38.1       1498.0        455.9         1953.9
Observed Totals                 0.0        1767.4         158.8        1926.2

Observed Journey Time =  1926.20     Implied Average Speed =  38.7
Modelled Journey Time =  1953.94    Modelled Average Speed =  38.1
                         101.44%                            98.58%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 34 Movement Analysis - times in seconds

R2WB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3420 -  8676   14 0   112  43.2   0.0    9.3    0.0   0.0     0.0    9.3    0.0     9.3     0.0    GALLOWAY
STREET
 8676 -  7897   14 0   128  43.2   0.0   10.7    0.0   1.0     0.0   11.7    0.0    21.0     0.0    GALLOWAY
STREET
 7897 -  7894   14 7   240  44.4   0.0   19.5    0.0  22.0     0.0   41.5    0.0    62.5     0.0    GALLOWAY
STREET
 7894 -  7895   14 0    91  42.8   0.0    7.7    0.0   0.0     0.0    7.7    0.0    70.1     0.0    GALLOWAY
STREET
 7895 -  5121   14 0   155  42.8   0.0   13.0    0.0   0.0     0.0   13.0    0.0    83.2     0.0    GALLOWAY
STREET
 5121 -  5119   14 0   121  42.7   0.0   10.2    0.0   0.0     0.0   10.2    0.0    93.4     0.0    GALLOWAY
STREET
 5119 -  5120   14 0    32  42.8   0.0    2.7    0.0   0.0     0.0    2.7    0.0    96.0     0.0
 5120 -  6722   14 0    92  42.8   0.0    7.7    0.0   1.0     0.0    8.7    0.0   104.8     0.0    GALLOWAY
STREET
 6722 - 10644   14 0   106  42.9   0.0    8.9    0.0   0.0     0.0    8.9    0.0   113.7     0.0    GALLOWAY
STREET
10644 -  6723   14 0    98  42.8   0.0    8.2    0.0   1.0     0.0    9.2    0.0   122.9     0.0    GALLOWAY
STREET
 6723 -  8239   14 0   232  42.9   0.0   19.5    0.0   0.0     0.0   19.5    0.0   142.4     0.0    GALLOWAY
STREET
 8239 -  3057   14 7    26  42.9   0.0    2.2    0.0  22.0     0.0   24.2    0.0   166.6     0.0    GALLOWAY
STREET
 3057 -  8236   14 0    31  43.0   0.0    2.6    0.0   0.0     0.0    2.6    0.0   169.2     0.0    PEACHGROVE
ROAD
 8236 -  3058   14 0    37  42.0   0.0    3.2    0.0   0.0     0.0    3.2    0.0   172.3     0.0    PEACHGROVE
ROAD
 3058 -  5084   14 0   182  42.0   0.0   15.6    0.0   0.0     0.0   15.6    0.0   187.9     0.0    PEACHGROVE
ROAD
 5084 -  3055   14 0   183  41.9   0.0   15.7    0.0   1.0     0.0   16.7    0.0   204.7     0.0    PEACHGROVE
ROAD
 3055 -  5316   14 0    83  42.1   0.0    7.1    0.0   1.0     0.0    8.1    0.0   212.8     0.0    PEACHGROVE
ROAD
 5316 - 10647   14 0    99  42.1   0.0    8.5    0.0   0.0     0.0    8.5    0.0   221.2     0.0    PEACHGROVE
ROAD
10647 -  5087   14 0   160  42.0   0.0   13.7    0.0   2.0     0.0   15.7    0.0   236.9     0.0    PEACHGROVE
ROAD
 5087 -  5085   14 0    41  42.6   0.0    3.5    0.0   1.0     0.0    4.5    0.0   241.4     0.0    PEACHGROVE
ROAD
 5085 -  5086   14 0    95  42.6   0.0    8.0    0.0   0.0     0.0    8.0    0.0   249.4     0.0    PEACHGROVE
ROAD
 5086 -  7454   14 0   133  42.6   0.0   11.2    0.0   0.0     0.0   11.2    0.0   260.7     0.0    PEACHGROVE
ROAD
 7454 -  3367   14 6    77  42.6   0.0    6.5    0.0  34.0     0.0   40.5    0.0   301.2     0.0    PEACHGROVE
ROAD
 3367 -  8240   14 0    39  40.1   0.0    3.5    0.0   0.0     0.0    3.5    0.0   304.7     0.0    PEACHGROVE
ROAD
 8240 - 10556   14 0   143  40.1   0.0   12.8    0.0   0.0     0.0   12.8    0.0   317.5     0.0    PEACHGROVE
ROAD
10556 -  8203   14 0    58  40.0   0.0    5.2    0.0   0.0     0.0    5.2    0.0   322.7     0.0    PEACHGROVE
ROAD
 8203 -  8205   14 0    46  40.0   0.0    4.1    0.0   0.0     0.0    4.1    0.0   326.9     0.0    PEACHGROVE
ROAD
 8205 -  5318   14 0    86  40.0   0.0    7.7    0.0   1.0     0.0    8.7    0.0   335.6     0.0    PEACHGROVE
ROAD
 5318 -  4107   14 0   113  41.6   0.0    9.8    0.0   0.0     0.0    9.8    0.0   345.4     0.0    PEACHGROVE
ROAD
 4107 -  6925   14 0   307  41.6   0.0   26.6    0.0   1.0     0.0   27.6    0.0   373.0     0.0    PEACHGROVE
ROAD
 6925 -  3007   14 0   127  41.6   0.0   11.0    0.0   0.0     0.0   11.0    0.0   384.0     0.0    PEACHGROVE
ROAD
 3007 -  3439   14 3   135  41.4   0.0   11.7    0.0   8.0     0.0   19.7    0.0   403.7     0.0    PEACHGROVE
ROAD
 3439 -  3437   14 0    18  40.3   0.0    1.6    0.0   0.0     0.0    1.6    0.0   405.3     0.0    PEACHGROVE
ROAD
 3437 -  4927   14 0   139  40.3   0.0   12.4    0.0   2.0     0.0   14.4    0.0   419.7     0.0    PEACHGROVE
ROAD
 4927 -  6862   14 0    54  40.3   0.0    4.8    0.0   0.0     0.0    4.8    0.0   424.5     0.0    PEACHGROVE
ROAD
 6862 -  4975   14 0    59  40.7   0.0    5.2    0.0   2.0     0.0    7.2    0.0   431.8     0.0    PEACHGROVE
ROAD
 4975 -  5197   14 0   180  40.8   0.0   15.9    0.0   2.0     0.0   17.9    0.0   449.6     0.0    PEACHGROVE
ROAD
 5197 -  6760   14 0   199  40.9   0.0   17.5    0.0   0.0     0.0   17.5    0.0   467.2     0.0    PEACHGROVE
ROAD
 6760 -  4998   14 0   138  40.9   0.0   12.1    0.0   2.0     0.0   14.1    0.0   481.3     0.0    PEACHGROVE
ROAD
 4998 -  4151   14 0   261  41.0   0.0   22.9    0.0   0.0     0.0   22.9    0.0   504.2     0.0    PEACHGROVE
ROAD
 4151 -  6693   14 0   132  40.8   0.0   11.6    0.0   0.0     0.0   11.6    0.0   515.9     0.0    PEACHGROVE
ROAD
```

6693 - 6691	14	3	98	40.8	0.0	8.6	0.0	10.0	0.0	18.6	0.0	534.5	0.0	PEACHGROVE ROAD
6691 - 3710	5	0	127	45.4	0.0	10.1	0.0	0.0	0.0	10.1	0.0	544.6	0.0	HUKANUI ROAD
3710 - 7137	5	0	343	45.4	0.0	27.2	0.0	0.0	0.0	27.2	0.0	571.8	0.0	
7137 - 7140	5	0	263	45.4	0.0	20.9	0.0	0.0	0.0	20.9	0.0	592.6	0.0	HUKANUI ROAD
7140 - 6870	5	0	98	45.4	0.0	7.8	0.0	0.0	0.0	7.8	0.0	600.4	0.0	HUKANUI ROAD
6870 - 10401	5	0	37	45.8	0.0	2.9	0.0	0.0	0.0	2.9	0.0	603.3	0.0	HUKANUI ROAD
10401 - 6872	5	0	365	45.8	0.0	28.7	0.0	0.0	0.0	28.7	0.0	632.0	0.0	HUKANUI ROAD
6872 - 2991	5	0	57	45.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	636.5	0.0	HUKANUI ROAD
2991 - 3446	5	0	143	45.9	0.0	11.2	0.0	0.0	0.0	11.2	0.0	647.7	0.0	HUKANUI ROAD
3446 - 2979	5	0	307	45.9	0.0	24.1	0.0	0.0	0.0	24.1	0.0	671.8	0.0	HUKANUI ROAD
2979 - 6963	5	0	55	45.5	0.0	4.4	0.0	0.0	0.0	4.4	0.0	676.1	0.0	HUKANUI ROAD
6963 - 7144	5	0	47	45.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	679.9	0.0	HUKANUI ROAD
7144 - 7278	5	0	243	45.5	0.0	19.2	0.0	0.0	0.0	19.2	0.0	699.1	0.0	HUKANUI ROAD
7278 - 7279	5	0	114	44.5	0.0	9.2	0.0	0.0	0.0	9.2	0.0	708.3	0.0	HUKANUI ROAD
7279 - 4783	5	0	78	44.5	0.0	6.3	0.0	0.0	0.0	6.3	0.0	714.6	0.0	HUKANUI ROAD
4783 - 3562	5	0	55	43.2	0.0	4.6	0.0	0.0	0.0	4.6	0.0	719.2	0.0	HUKANUI ROAD
3562 - 3558	5	3	95	46.9	0.0	7.3	0.0	7.0	0.0	14.3	0.0	733.5	0.0	HUKANUI ROAD
3558 - 3563	7	0	112	68.9	0.0	5.9	0.0	2.0	0.0	7.9	0.0	741.3	0.0	WAIRERE DRIVE
3563 - 3543	8	0	1004	78.2	0.0	46.2	0.0	0.0	0.0	46.2	0.0	787.6	0.0	WAIRERE DRIVE
3543 - 3505	8	4	133	78.2	0.0	6.1	0.0	12.0	0.0	18.1	0.0	805.7	0.0	WAIRERE DRIVE
3505 - 3502	6	0	67	58.2	0.0	4.1	0.0	2.0	0.0	6.1	0.0	811.8	0.0	-- no name --
3502 - 3526	8	3	563	77.4	0.0	26.2	0.0	19.0	0.0	45.2	0.0	857.0	0.0	WAIRERE DRIVE
3526 - 3652	8	0	117	76.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	862.5	0.0	WAIRERE DRIVE
3652 - 10675	8	0	761	76.3	0.0	35.9	0.0	0.0	0.0	35.9	0.0	898.4	0.0	WAIRERE DRIVE
10675 - 3939	8	0	546	76.3	0.0	25.8	0.0	0.0	0.0	25.8	0.0	924.2	0.0	WAIRERE DRIVE
3939 - 3644	8	3	107	78.1	0.0	4.9	0.0	17.0	0.0	21.9	0.0	946.1	0.0	WAIRERE DRIVE
3644 - 3648	8	0	109	78.6	0.0	5.0	0.0	3.0	0.0	8.0	0.0	954.1	0.0	WAIRERE DRIVE
3648 - 3487	8	0	93	77.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	958.5	0.0	WAIRERE DRIVE
3487 - 3480	8	3	197	78.6	0.0	9.0	0.0	21.0	0.0	30.0	0.0	988.5	0.0	WAIRERE DRIVE
3480 - 3483	8	0	151	77.2	0.0	7.0	0.0	4.0	0.0	11.0	0.0	999.5	0.0	AVALON DRIVE
3483 - 6660	8	0	785	74.5	0.0	37.9	0.0	0.0	0.0	37.9	0.0	1037.5	0.0	AVALON DRIVE
6660 - 5113	17	0	42	59.5	0.0	2.5	0.0	0.0	0.0	2.5	0.0	1040.0	0.0	AVALON DRIVE
5113 - 10428	8	0	491	68.2	0.0	25.9	0.0	0.0	0.0	25.9	0.0	1065.9	0.0	AVALON DRIVE
10428 - 3285	8	0	149	66.3	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1074.0	0.0	AVALON DRIVE
3285 - 10664	8	0	195	57.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1086.3	0.0	AVALON DRIVE
10664 - 2518	8	0	530	44.5	0.0	42.9	0.0	0.0	0.0	42.9	0.0	1129.1	0.0	AVALON DRIVE
2518 - 10660	8	0	110	37.4	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1139.7	0.0	SH 1
10660 - 2519	8	0	71	37.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1146.6	0.0	SH 1
2519 - 10426	8	0	185	60.8	0.0	11.0	0.0	0.0	0.0	11.0	0.0	1157.5	0.0	SH1
10426 - 2574	8	0	105	67.3	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1163.1	0.0	SH1
2574 - 2525	8	0	79	64.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1167.6	0.0	SH1
2525 - 6661	8	0	141	63.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1175.6	0.0	AVALON DRIVE
6661 - 6658	8	0	151	69.3	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1183.4	0.0	AVALON DRIVE
6658 - 2577	8	0	118	71.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	1189.4	0.0	AVALON DRIVE
2577 - 6657	8	0	127	69.7	0.0	6.6	0.0	0.0	0.0	6.6	0.0	1196.0	0.0	AVALON DRIVE
6657 - 4911	7	0	224	61.1	0.0	13.2	0.0	0.0	0.0	13.2	0.0	1209.2	0.0	AVALON DRIVE
4911 - 10657	7	0	98	59.3	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1215.1	0.0	AVALON DRIVE
10657 - 2657	7	0	109	59.3	0.0	6.6	0.0	0.0	0.0	6.6	0.0	1221.7	0.0	AVALON DRIVE
2657 - 10530	7	0	103	59.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1227.9	0.0	AVALON DRIVE
10530 - 3476	7	6	135	59.9	0.0	8.1	0.0	33.0	0.0	41.1	0.0	1269.0	0.0	AVALON DRIVE
3476 - 3267	7	0	57	61.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	1272.4	0.0	LINCOLN STREET
3267 - 3266	7	0	117	61.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1279.2	0.0	LINCOLN STREET
3266 - 8206	7	0	198	61.6	0.0	11.6	0.0	0.0	0.0	11.6	0.0	1290.8	0.0	LINCOLN STREET
8206 - 3456	15	6	21	39.3	0.0	1.9	0.0	59.0	0.0	60.9	0.0	1351.7	0.0	LINCOLN STREET
3456 - 3455	8	0	117	76.1	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1357.2	0.0	LINCOLN STREET
3455 - 10497	8	0	226	76.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1367.9	0.0	LINCOLN STREET
10497 - 8207	8	0	78	76.1	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1371.6	0.0	LINCOLN STREET
8207 - 4988	8	0	115	76.1	0.0	5.4	0.0	2.0	0.0	7.4	0.0	1379.1	0.0	LINCOLN STREET
4988 - 10496	8	0	175	75.9	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1387.4	0.0	LINCOLN STREET
10496 - 4756	8	0	102	75.9	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1392.2	0.0	LINCOLN STREET
4756 - 4755	8	0	69	77.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1395.4	0.0	LINCOLN STREET
4755 - 8211	7	0	37	67.8	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1397.4	0.0	LINCOLN STREET
8211 - 3376	5	6	16	48.1	0.0	1.2	0.0	45.0	0.0	46.2	0.0	1443.6	0.0	LINCOLN STREET
3376 - 8210	5	0	18	48.4	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1444.9	0.0	GREENWOOD STREET
8210 - 3377	8	0	299	78.1	0.0	13.8	0.0	0.0	0.0	13.8	0.0	1458.7	0.0	GREENWOOD STREET

```
 3377 -  4757    8 3   342  78.1   0.0   15.8    0.0  19.0     0.0   34.8    0.0  1493.4     0.0    GREENWOOD
STREET
 4757 -  4758    8 0   158  76.6   0.0    7.4    0.0   0.0     0.0    7.4    0.0  1500.9     0.0    GREENWOOD
STREET
 4758 - 10650    8 0   239  76.6   0.0   11.2    0.0   0.0     0.0   11.2    0.0  1512.1     0.0    GREENWOOD
STREET
10650 -  3177    8 0   417  76.6   0.0   19.6    0.0   0.0     0.0   19.6    0.0  1531.7     0.0    GREENWOOD
STREET
 3177 -  3917    8 0   321  76.2   0.0   15.2    0.0   0.0     0.0   15.2    0.0  1546.9     0.0    GREENWOOD
STREET
 3917 -  6938    7 0   117  65.9   0.0    6.4    0.0   0.0     0.0    6.4    0.0  1553.3     0.0    KAHIKATEA
DRIVE
 6938 -  5194    7 0    80  65.8   0.0    4.4    0.0   2.0     0.0    6.4    0.0  1559.6     0.0    KAHIKATEA
DRIVE
 5194 -  4793    7 0    84  65.7   0.0    4.6    0.0   0.0     0.0    4.6    0.0  1564.2     0.0    KAHIKATEA
DRIVE
 4793 -  3175    7 0   230  65.7   0.0   12.6    0.0   3.0     0.0   15.6    0.0  1579.8     0.0    SH 1
 3175 -  4709    7 0   293  65.7   0.0   16.1    0.0   2.0     0.0   18.1    0.0  1597.9     0.0    SH 1
 4709 -  5323    7 0   235  65.5   0.0   12.9    0.0   2.0     0.0   14.9    0.0  1612.8     0.0    KAHIKATEA
DRIVE
 5323 - 10639    7 0   118  65.6   0.0    6.5    0.0   0.0     0.0    6.5    0.0  1619.3     0.0    KAHIKATEA
DRIVE
10639 -  3683    7 0    64  65.6   0.0    3.5    0.0   0.0     0.0    3.5    0.0  1622.8     0.0    KAHIKATEA
DRIVE
 3683 -  5253    7 0    68  65.6   0.0    3.7    0.0   0.0     0.0    3.7    0.0  1626.5     0.0    KAHIKATEA
DRIVE
 5253 -  5251    7 0    58  65.6   0.0    3.2    0.0   0.0     0.0    3.2    0.0  1629.7     0.0    KAHIKATEA
DRIVE
 5251 -  5351    7 0    88  65.6   0.0    4.8    0.0   0.0     0.0    4.8    0.0  1634.5     0.0    KAHIKATEA
DRIVE
 5351 -  6683    7 0   181  65.6   0.0    9.9    0.0   0.0     0.0    9.9    0.0  1644.5     0.0    KAHIKATEA
DRIVE
 6683 -  4514    6 0   108  54.5   0.0    7.1    0.0   0.0     0.0    7.1    0.0  1651.6     0.0    KAHIKATEA
DRIVE
 4514 -  2531    6 0    57  54.4   0.0    3.8    0.0   0.0     0.0    3.8    0.0  1655.4     0.0    SH 1
 2531 -  8248    6 0    68  52.5   0.0    4.7    0.0   0.0     0.0    4.7    0.0  1660.0     0.0    SH 1
 8248 -  4393    6 6    22  55.0   0.0    1.4    0.0 176.0     0.0  177.4    0.0  1837.5     0.0    SH 1
 4393 -  4761   15 0   105  47.8   0.0    7.9    0.0   0.0     0.0    7.9    0.0  1845.4     0.0    SH 3
 4761 -  4762   15 0    98  47.8   0.0    7.4    0.0   0.0     0.0    7.4    0.0  1852.8     0.0    SH 3
 4762 -  4764   15 0    30  46.0   0.0    2.3    0.0   0.0     0.0    2.3    0.0  1855.1     0.0    SH 3
 4764 -  4763   15 0    42  50.4   0.0    3.0    0.0   0.0     0.0    3.0    0.0  1858.1     0.0    SH 3
 4763 -  3770   15 3   143  50.4   0.0   10.2    0.0  12.8     0.0   23.0    0.0  1881.1     0.0    SH 3

Modelled Totals    20632  39.5       1324.3        556.8         1881.1
Observed Totals                0.0        1922.4         284.3        2206.7

Observed Journey Time =  2206.70     Implied Average Speed =  33.7
Modelled Journey Time =  1881.13    Modelled Average Speed =  39.5
                         85.25%                            117.31%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 35 Movement Analysis - times in seconds

R3EB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total    Mdl    Time
 5380 -  2582    5 0   192  48.3   0.0   14.3    0.0   0.0     0.0   14.3    0.0   14.3     0.0    WHATAWHATA
ROAD
 2582 -  3408    5 0   162  48.4   0.0   12.0    0.0   0.0     0.0   12.0    0.0   26.4     0.0    WHATAWHATA
ROAD
 3408 -  3465    5 4    10  50.0   0.0    0.7    0.0   0.0     0.0    0.7    0.0   27.1     0.0
 3465 -  3400    4 3    14  38.1   0.0    1.3    0.0   7.0     0.0    8.3    0.0   35.4     0.0    DINSDALE
ROAD
 3400 -  3459   15 0    70  51.6   0.0    4.9    0.0   0.0     0.0    4.9    0.0   40.3     0.0    RIFLE RANGE
ROAD
 3459 -  3402   15 0    27  51.7   0.0    1.9    0.0   2.0     0.0    3.9    0.0   44.2     0.0    SH 23
 3402 -  3399   15 0    24  53.4   0.0    1.6    0.0   0.0     0.0    1.6    0.0   45.8     0.0    SH 23
 3399 -  3270   15 0    87  53.4   0.0    5.9    0.0   0.0     0.0    5.9    0.0   51.6     0.0    SH 23
 3270 -  7525   15 0   297  53.4   0.0   20.0    0.0   0.0     0.0   20.0    0.0   71.7     0.0    MASSEY
STREET
 7525 -  7524   15 0   123  53.4   0.0    8.3    0.0   0.0     0.0    8.3    0.0   80.0     0.0    MASSEY
STREET
 7524 -  7997   15 0    61  53.2   0.0    4.1    0.0   0.0     0.0    4.1    0.0   84.1     0.0    MASSEY
STREET
 7997 -  8095   15 0   142  53.2   0.0    9.6    0.0   0.0     0.0    9.6    0.0   93.7     0.0    MASSEY
STREET
 8095 -  7881   15 0   101  53.2   0.0    6.8    0.0   0.0     0.0    6.8    0.0  100.5     0.0    MASSEY
STREET
 7881 -  6875   15 0    75  53.1   0.0    5.1    0.0   0.0     0.0    5.1    0.0  105.6     0.0    MASSEY
STREET
 6875 -  4294   15 0    40  53.1   0.0    2.7    0.0   0.0     0.0    2.7    0.0  108.3     0.0    MASSEY
STREET
 4294 -  6853   15 0    75  53.1   0.0    5.1    0.0   0.0     0.0    5.1    0.0  113.4     0.0    MASSEY
STREET
 6853 -  3376   15 6   113  54.1   0.0    7.5    0.0  43.0     0.0   50.5    0.0  163.9     0.0    SH 23
 3376 -  8209   15 0    18  52.9   0.0    1.2    0.0   0.0     0.0    1.2    0.0  165.2     0.0    MASSEY HALL
OVERBRIDG
 8209 -  6664   15 0   314  51.9   0.0   21.8    0.0   0.0     0.0   21.8    0.0  186.9     0.0    MASSEY HALL
OVERBRIDG
 6664 -  6665   15 6    57  51.9   0.0    4.0    0.0  13.0     0.0   17.0    0.0  203.9     0.0    MASSEY HALL
OVERBRIDG
 6665 - 10492   15 0    86  52.5   0.0    5.9    0.0   0.0     0.0    5.9    0.0  209.8     0.0    HALL STREET
10492 -  6869   15 0    14  52.0   0.0    1.0    0.0   0.0     0.0    1.0    0.0  210.8     0.0    HALL STREET
 6869 -  6662   15 6    81  52.2   0.0    5.6    0.0   3.0     0.0    8.6    0.0  219.3     0.0    HALL STREET
 6662 -  8216    5 0   228  48.4   0.0   17.0    0.0   0.0     0.0   17.0    0.0  236.3     0.0    HALL STREET
 8216 -  3380    5 6    17  48.4   0.0    1.3    0.0  36.0     0.0   37.3    0.0  273.6     0.0    HALL STREET
 3380 -  8215    5 0    16  48.4   0.0    1.2    0.0   0.0     0.0    1.2    0.0  274.8     0.0    MILL STREET
 8215 -  3378    5 0   282  47.7   0.0   21.3    0.0   0.0     0.0   21.3    0.0  296.0     0.0    MILL STREET
 3378 -  8220    5 0   183  47.6   0.0   13.8    0.0   0.0     0.0   13.8    0.0  309.9     0.0    MILL STREET
 8220 -  3472    5 6    35  47.6   0.0    2.6    0.0  15.0     0.0   17.6    0.0  327.5     0.0    MILL STREET
 3472 -  8218    5 0    36  47.1   0.0    2.8    0.0   0.0     0.0    2.8    0.0  330.3     0.0    MILL STREET
 8218 -  3469    5 6    79  47.1   0.0    6.0    0.0  41.0     0.0   47.0    0.0  377.3     0.0    MILL STREET
 3469 -  8221   15 0    21  52.7   0.0    1.4    0.0   0.0     0.0    1.4    0.0  378.8     0.0    MILL STREET
 8221 -  3470   15 0   107  52.7   0.0    7.3    0.0   0.0     0.0    7.3    0.0  386.1     0.0    MILL STREET
 3470 -  3129   15 6   122  52.3   0.0    8.4    0.0  32.0     0.0   40.4    0.0  426.5     0.0    MILL STREET
 3129 -  4951   15 6   164  52.1   0.0   11.3    0.0  20.0     0.0   31.3    0.0  457.8     0.0    MILL STREET
 4951 -  8249    5 0    24  12.9   0.0    6.7    0.0   0.0     0.0    6.7    0.0  464.5     0.0    BOUNDARY
ROAD
 8249 -  3953    5 0    36  12.9   0.0   10.0    0.0   0.0     0.0   10.0    0.0  474.5     0.0    BOUNDARY
ROAD
 3953 -  6739    5 0   413  12.9   0.0  115.3    0.0   0.0     0.0  115.3    0.0  589.8     0.0    BOUNDARY
ROAD
 6739 -  6736    5 0   159  28.7   0.0   19.9    0.0   0.0     0.0   19.9    0.0  609.7     0.0    BOUNDARY
ROAD
 6736 -  7928    5 0   127  36.0   0.0   12.7    0.0   0.0     0.0   12.7    0.0  622.4     0.0    BOUNDARY
ROAD
 7928 -  3012    5 3   204  36.0   0.0   20.4    0.0   9.0     0.0   29.4    0.0  651.8     0.0    BOUNDARY
ROAD
 3012 -  3013    5 0   500  46.0   0.0   39.1    0.0   0.0     0.0   39.1    0.0  691.0     0.0    BOUNDARY
ROAD
 3013 -  3439    5 3   314  46.1   0.0   24.5    0.0  12.0     0.0   36.5    0.0  727.5     0.0    BOUNDARY
ROAD
 3439 -  3438    5 0   104  46.7   0.0    8.0    0.0   0.0     0.0    8.0    0.0  735.5     0.0    FIFTH AVENUE
 3438 -  6694    5 0   343  46.9   0.0   26.3    0.0   3.0     0.0   29.3    0.0  764.8     0.0    FIFTH AVENUE
 6694 -  7732    5 0   138  46.9   0.0   10.6    0.0   2.9     0.0   13.5    0.0  778.3     0.0    FIFTH AVENUE

Modelled Totals     5835  27.0        539.4        238.9          778.3
Observed Totals                 0.0         662.1         104.7         766.8

Observed Journey Time =   766.80     Implied Average Speed =  27.4
Modelled Journey Time =   778.33    Modelled Average Speed =  27.0
                        101.50%                             98.52%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 36 Movement Analysis - times in seconds

R3WB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4781 -  7732    5 0   175  49.0   0.0   12.9    0.0   2.0     0.0   14.9    0.0    14.9     0.0    FIFTH AVENUE
 7732 -  6694    5 0   138  48.6   0.0   10.2    0.0   1.0     0.0   11.2    0.0    26.1     0.0    FIFTH AVENUE
 6694 -  3438    5 0   343  48.7   0.0   25.4    0.0   0.0     0.0   25.4    0.0    51.4     0.0    FIFTH AVENUE
 3438 -  3439    5 3   104  48.3   0.0    7.8    0.0  13.0     0.0   20.8    0.0    72.2     0.0    FIFTH AVENUE
 3439 -  3013    5 0   314  47.9   0.0   23.6    0.0   0.0     0.0   23.6    0.0    95.8     0.0    BOUNDARY
ROAD
 3013 -  3012    5 3   500  47.9   0.0   37.6    0.0  11.0     0.0   48.6    0.0   144.4     0.0    BOUNDARY
ROAD
 3012 -  7928    5 0   204  46.2   0.0   15.9    0.0   0.0     0.0   15.9    0.0   160.3     0.0    BOUNDARY
ROAD
 7928 -  6736    5 0   127  46.2   0.0    9.9    0.0   0.0     0.0    9.9    0.0   170.2     0.0    BOUNDARY
ROAD
 6736 -  6739    5 0   159  45.8   0.0   12.5    0.0   0.0     0.0   12.5    0.0   182.7     0.0    BOUNDARY
ROAD
 6739 -  3953    5 0   413  45.5   0.0   32.7    0.0   0.0     0.0   32.7    0.0   215.3     0.0    BOUNDARY
ROAD
 3953 -  8249    5 0    36  45.5   0.0    2.8    0.0   0.0     0.0    2.8    0.0   218.2     0.0    BOUNDARY
ROAD
 8249 -  4951    5 6    24  46.9   0.0    1.8    0.0  42.0     0.0   43.8    0.0   262.0     0.0    BOUNDARY
ROAD
 4951 -  3129   15 6   164  53.8   0.0   11.0    0.0  12.0     0.0   23.0    0.0   285.0     0.0    MILL STREET
 3129 -  3470   15 0   122  52.4   0.0    8.4    0.0   0.0     0.0    8.4    0.0   293.4     0.0    MILL STREET
 3470 -  8221   15 0   107  52.0   0.0    7.4    0.0   0.0     0.0    7.4    0.0   300.8     0.0    MILL STREET
 8221 -  3469   15 6    21  52.6   0.0    1.4    0.0  15.0     0.0   16.4    0.0   317.2     0.0    MILL STREET
 3469 -  8218    5 0    79  46.8   0.0    6.1    0.0   0.0     0.0    6.1    0.0   323.3     0.0    MILL STREET
 8218 -  3472    5 6    36  48.5   0.0    2.7    0.0  10.0     0.0   12.7    0.0   336.0     0.0    MILL STREET
 3472 -  8220    5 0    35  48.5   0.0    2.6    0.0   0.0     0.0    2.6    0.0   338.6     0.0    MILL STREET
 8220 -  3378    5 0   183  47.8   0.0   13.8    0.0   0.0     0.0   13.8    0.0   352.4     0.0    MILL STREET
 3378 -  8215    5 0   282  48.1   0.0   21.1    0.0   0.0     0.0   21.1    0.0   373.5     0.0    MILL STREET
 8215 -  3380    5 6    16  48.1   0.0    1.2    0.0  38.0     0.0   39.2    0.0   412.7     0.0    MILL STREET
 3380 -  8216    5 0    17  48.2   0.0    1.3    0.0   0.0     0.0    1.3    0.0   413.9     0.0    HALL STREET
 8216 -  6662    5 6   228  48.2   0.0   17.0    0.0   6.0     0.0   23.0    0.0   437.0     0.0    HALL STREET
 6662 -  6869   15 0    81  53.5   0.0    5.5    0.0   0.0     0.0    5.5    0.0   442.4     0.0    HALL STREET
 6869 - 10492   15 0    14  53.5   0.0    0.9    0.0   0.0     0.0    0.9    0.0   443.3     0.0    HALL STREET
10492 -  6665   15 6    86  53.5   0.0    5.8    0.0  29.0     0.0   34.8    0.0   478.1     0.0    HALL STREET
 6665 -  6664   15 0    57  52.5   0.0    3.9    0.0   0.0     0.0    3.9    0.0   482.0     0.0    MASSEY HALL
OVERBRIDG
 6664 -  8209   15 0   314  52.5   0.0   21.5    0.0   0.0     0.0   21.5    0.0   503.6     0.0    MASSEY HALL
OVERBRIDG
 8209 -  3376   15 6    18  53.3   0.0    1.2    0.0  46.0     0.0   47.2    0.0   550.8     0.0    MASSEY HALL
OVERBRIDG
 3376 -  6853   15 0   113  53.3   0.0    7.6    0.0   0.0     0.0    7.6    0.0   558.4     0.0    SH 23
 6853 -  4294   15 0    75  51.6   0.0    5.2    0.0   0.0     0.0    5.2    0.0   563.7     0.0    MASSEY
STREET
 4294 -  6875   15 0    40  51.6   0.0    2.8    0.0   0.0     0.0    2.8    0.0   566.4     0.0    MASSEY
STREET
 6875 -  7881   15 0    75  51.6   0.0    5.2    0.0   0.0     0.0    5.2    0.0   571.7     0.0    MASSEY
STREET
 7881 -  8095   15 0   101  51.9   0.0    7.0    0.0   0.0     0.0    7.0    0.0   578.7     0.0    MASSEY
STREET
 8095 -  7997   15 0   142  51.6   0.0    9.9    0.0   0.0     0.0    9.9    0.0   588.6     0.0    MASSEY
STREET
 7997 -  7524   15 0    61  51.6   0.0    4.3    0.0   0.0     0.0    4.3    0.0   592.8     0.0    MASSEY
STREET
 7524 -  7525   15 0   123  52.0   0.0    8.5    0.0   0.0     0.0    8.5    0.0   601.4     0.0    MASSEY
STREET
 7525 -  3270   15 0   297  52.0   0.0   20.6    0.0   0.0     0.0   20.6    0.0   621.9     0.0    MASSEY
STREET
 3270 -  3399   15 0    87  52.0   0.0    6.0    0.0   0.0     0.0    6.0    0.0   627.9     0.0    SH 23
 3399 -  3402   15 0    24  50.8   0.0    1.7    0.0   0.0     0.0    1.7    0.0   629.6     0.0    SH 23
 3402 -  3459   15 0    27  49.9   0.0    1.9    0.0   0.0     0.0    1.9    0.0   631.6     0.0    SH 23
 3459 -  3400   15 3    70  49.9   0.0    5.1    0.0  12.0     0.0   17.1    0.0   648.6     0.0    RIFLE RANGE
ROAD
 3400 -  3408    5 0    13  46.1   0.0    1.0    0.0   0.0     0.0    1.0    0.0   649.7     0.0    WHATAWHATA
ROAD
 3408 -  2582    5 0   162  46.1   0.0   12.7    0.0   0.0     0.0   12.7    0.0   662.3     0.0    WHATAWHATA
ROAD
 2582 -  5380    5 0   192  45.9   0.0   15.1    0.0   0.4     0.0   15.5    0.0   677.8     0.0    WHATAWHATA
ROAD

Modelled Totals     5999  31.9        440.4        237.4          677.8
Observed Totals                 0.0         640.8         146.1         786.9

Observed Journey Time =   786.90     Implied Average Speed =  27.4
Modelled Journey Time =   677.77    Modelled Average Speed =  31.9
                          86.13%                             116.10%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 37 Movement Analysis - times in seconds

R4EB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
7608 - 8482	15	0	116	54.3	0.0	7.7	0.0	0.0	0.0	7.7	0.0	7.7	0.0	ELLICOTT ROAD
8482 - 3909	15	0	158	54.1	0.0	10.5	0.0	0.0	0.0	10.5	0.0	18.2	0.0	ELLICOTT ROAD
3909 - 6653	15	0	217	54.1	0.0	14.4	0.0	0.0	0.0	14.4	0.0	32.6	0.0	ELLICOTT ROAD
6653 - 7011	15	0	61	54.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	36.7	0.0	ELLICOTT ROAD
7011 - 3476	15	7	179	53.3	0.0	12.1	0.0	57.0	0.0	69.1	0.0	105.8	0.0	ELLICOTT ROAD
3476 - 3267	7	0	57	61.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	109.1	0.0	LINCOLN STREET
3267 - 3266	7	0	117	61.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	116.0	0.0	LINCOLN STREET
3266 - 8206	7	0	198	61.6	0.0	11.6	0.0	0.0	0.0	11.6	0.0	127.5	0.0	LINCOLN STREET
8206 - 3456	15	6	21	39.3	0.0	1.9	0.0	56.0	0.0	57.9	0.0	185.5	0.0	LINCOLN STREET
3456 - 4721	13	0	337	33.4	0.0	36.3	0.0	0.0	0.0	36.3	0.0	221.8	0.0	NORTON ROAD
4721 - 7880	5	0	81	47.9	0.0	6.1	0.0	0.0	0.0	6.1	0.0	227.9	0.0	NORTON ROAD
7880 - 8060	5	0	81	47.9	0.0	6.1	0.0	0.0	0.0	6.1	0.0	234.0	0.0	NORTON ROAD
8060 - 7231	5	0	41	46.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	237.1	0.0	
7231 - 7915	5	0	39	47.4	0.0	3.0	0.0	0.0	0.0	3.0	0.0	240.1	0.0	NORTON ROAD
7915 - 7914	5	0	168	47.4	0.0	12.8	0.0	0.0	0.0	12.8	0.0	252.9	0.0	NORTON ROAD
7914 - 6897	5	0	24	47.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	254.7	0.0	
6897 - 10649	5	0	52	47.4	0.0	3.9	0.0	0.0	0.0	3.9	0.0	258.6	0.0	NORTON ROAD
10649 - 7906	5	0	40	47.4	0.0	3.0	0.0	0.0	0.0	3.0	0.0	261.7	0.0	NORTON ROAD
7906 - 7905	5	0	66	47.3	0.0	5.0	0.0	0.0	0.0	5.0	0.0	266.7	0.0	NORTON ROAD
7905 - 7237	5	0	31	48.2	0.0	2.3	0.0	0.0	0.0	2.3	0.0	269.0	0.0	NORTON ROAD
7237 - 7902	5	0	100	48.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	276.5	0.0	NORTON ROAD
7902 - 7901	5	0	89	48.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	283.1	0.0	NORTON ROAD
7901 - 6750	5	0	99	48.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	290.5	0.0	NORTON ROAD
6750 - 8217	5	0	24	48.2	0.0	1.8	0.0	0.0	0.0	1.8	0.0	292.3	0.0	NORTON ROAD
8217 - 3380	5	7	19	49.5	0.0	1.4	0.0	46.0	0.0	47.4	0.0	339.7	0.0	NORTON ROAD
3380 - 3379	5	0	13	49.3	0.0	0.9	0.0	0.0	0.0	0.9	0.0	340.6	0.0	
3379 - 3381	5	0	47	49.3	0.0	3.4	0.0	0.0	0.0	3.4	0.0	344.1	0.0	NORTON ROAD
3381 - 8244	5	0	69	49.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	349.1	0.0	NORTON ROAD
8244 - 3389	5	6	27	49.2	0.0	2.0	0.0	38.0	0.0	40.0	0.0	389.1	0.0	NORTON ROAD
3389 - 8243	5	0	31	49.3	0.0	2.3	0.0	0.0	0.0	2.3	0.0	391.4	0.0	NORTON ROAD
8243 - 3386	5	0	159	49.2	0.0	11.6	0.0	0.0	0.0	11.6	0.0	403.0	0.0	NORTON ROAD
3386 - 3382	4	3	68	39.3	0.0	6.2	0.0	7.0	0.0	13.2	0.0	416.2	0.0	NORTON ROAD
3382 - 3388	4	0	59	39.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	421.6	0.0	NORTON ROAD
3388 - 3126	4	0	185	39.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	438.5	0.0	NORTON ROAD
3126 - 3125	4	6	56	39.5	0.0	5.1	0.0	46.0	0.0	51.1	0.0	489.6	0.0	NORTON ROAD
3125 - 10716	5	0	131	45.7	0.0	10.3	0.0	0.0	0.0	10.3	0.0	499.9	0.0	TRISTRAM STREET
10716 - 6984	5	6	115	45.2	0.0	9.2	0.0	13.0	0.0	22.2	0.0	522.0	0.0	TRISTRAM STREET
6984 - 10472	4	0	117	39.1	0.0	10.8	0.0	0.0	0.0	10.8	0.0	532.8	0.0	BRYCE STREET
10472 - 7069	4	6	122	38.9	0.0	11.3	0.0	58.0	0.0	69.3	0.0	602.1	0.0	BRYCE STREET
7069 - 10462	13	0	41	29.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	607.2	0.0	BRYCE STREET
10462 - 7719	13	0	81	28.0	0.0	10.4	0.0	2.0	0.0	12.4	0.0	619.6	0.0	BRYCE STREET
7719 - 3448	13	6	125	27.4	0.0	16.4	0.0	146.0	0.0	162.4	0.0	782.0	0.0	BRYCE STREET
3448 - 3453	5	6	61	45.3	0.0	4.8	0.0	28.0	0.0	32.8	0.0	814.8	0.0	VICTORIA STREET
3453 - 9823	14	0	626	33.7	0.0	66.9	0.0	0.0	0.0	66.9	0.0	881.7	0.0	CLAUDELANDS ROAD
9823 - 3756	21	0	10	40.5	0.0	0.9	0.0	0.0	0.0	0.9	0.0	882.6	0.0	CLAUDELANDS ROAD
3756 - 3754	14	6	150	41.3	0.0	13.1	0.0	34.0	0.0	47.1	0.0	929.7	0.0	CLAUDELANDS ROAD
3754 - 3753	5	0	46	46.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	933.3	0.0	GREY STREET
3753 - 3752	5	3	83	46.0	0.0	6.5	0.0	24.0	0.0	30.5	0.0	963.8	0.0	GREY STREET
3752 - 7005	6	0	67	55.6	0.0	4.3	0.0	0.0	0.0	4.3	0.0	968.1	0.0	TE AROHA STREET
7005 - 6976	6	0	59	52.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	972.1	0.0	TE AROHA STREET
6976 - 7179	6	0	20	53.5	0.0	1.3	0.0	0.0	0.0	1.3	0.0	973.5	0.0	
7179 - 6744	6	0	104	52.8	0.0	7.1	0.0	0.0	0.0	7.1	0.0	980.6	0.0	TE AROHA STREET
6744 - 6745	6	0	147	52.8	0.0	10.0	0.0	0.0	0.0	10.0	0.0	990.6	0.0	TE AROHA STREET
6745 - 7474	6	0	96	52.9	0.0	6.5	0.0	0.0	0.0	6.5	0.0	997.1	0.0	TE AROHA STREET
7474 - 7472	6	0	52	53.9	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1000.6	0.0	TE AROHA STREET
7472 - 7473	6	0	121	54.5	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1008.6	0.0	TE AROHA STREET
7473 - 7476	6	0	121	54.5	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1016.6	0.0	TE AROHA STREET
7476 - 3367	6	7	57	54.5	0.0	3.8	0.0	16.0	0.0	19.8	0.0	1036.4	0.0	TE AROHA STREET

3367 -	8241	6	0	27	55.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1038.1	0.0	RUAKURA ROAD
8241 -	3369	6	0	36	51.8	0.0	2.5	0.0	3.0	0.0	5.5	0.0	1043.6	0.0	RUAKURA ROAD
3369 -	3023	6	0	168	51.8	0.0	11.7	0.0	0.0	0.0	11.7	0.0	1055.3	0.0	RUAKURA ROAD
3023 -	4307	6	0	464	53.5	0.0	31.2	0.0	2.0	0.0	33.2	0.0	1088.5	0.0	RUAKURA ROAD
4307 -	4308	6	0	221	53.5	0.0	14.9	0.0	0.0	0.0	14.9	0.0	1103.4	0.0	RUAKURA ROAD
4308 -	3024	6	0	230	54.9	0.0	15.1	0.0	0.0	0.0	15.1	0.0	1118.5	0.0	RUAKURA ROAD
3024 -	3025	6	3	414	54.9	0.0	27.1	0.0	10.0	0.0	37.1	0.0	1155.6	0.0	RUAKURA ROAD
3025 -	3171	6	0	219	55.3	0.0	14.3	0.0	0.0	0.0	14.3	0.0	1169.9	0.0	RUAKURA ROAD
3171 -	3961	6	0	20	55.3	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1171.2	0.0	
3961 -	6874	6	3	96	55.3	0.0	6.2	0.0	12.2	0.0	18.4	0.0	1189.6	0.0	RUAKURA ROAD

Modelled Totals	7576	22.9	591.4	598.2	1189.6
Observed Totals		0.0	1142.4	203.9	1346.3

Observed Journey Time =	1346.29	Implied Average Speed =	20.3
Modelled Journey Time =	1189.61	Modelled Average Speed =	22.9
	88.36%		113.17%

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 38 Movement Analysis - times in seconds

R4WB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 6874 -  3961   6 0    96  57.2   0.0    6.0    0.0   0.0     0.0    6.0    0.0     6.0     0.0    RUAKURA ROAD
 3961 -  3171   6 0    20  57.2   0.0    1.3    0.0   0.0     0.0    1.3    0.0     7.3     0.0
 3171 -  3025   6 3   219  57.1   0.0   13.8    0.0  13.0     0.0   26.8    0.0    34.1     0.0    RUAKURA ROAD
 3025 -  3024   6 0   414  57.1   0.0   26.1    0.0   0.0     0.0   26.1    0.0    60.2     0.0    RUAKURA ROAD
 3024 -  4308   6 0   230  57.1   0.0   14.5    0.0   0.0     0.0   14.5    0.0    74.7     0.0    RUAKURA ROAD
 4308 -  4307   6 0   221  56.7   0.0   14.0    0.0   1.0     0.0   15.0    0.0    89.7     0.0    RUAKURA ROAD
 4307 -  3023   6 0   464  56.7   0.0   29.5    0.0   0.0     0.0   29.5    0.0   119.2     0.0    RUAKURA ROAD
 3023 -  3369   6 0   168  56.6   0.0   10.7    0.0   0.0     0.0   10.7    0.0   129.9     0.0    RUAKURA ROAD
 3369 -  8241   6 0    36  56.6   0.0    2.3    0.0   0.0     0.0    2.3    0.0   132.2     0.0    RUAKURA ROAD
 8241 -  3367   6 7    27  56.6   0.0    1.7    0.0  39.0     0.0   40.7    0.0   172.9     0.0    RUAKURA ROAD
 3367 -  7476   6 0    57  58.0   0.0    3.5    0.0   1.0     0.0    4.5    0.0   177.4     0.0    TE AROHA
STREET
 7476 -  7473   6 0   121  58.0   0.0    7.5    0.0   0.0     0.0    7.5    0.0   184.9     0.0    TE AROHA
STREET
 7473 -  7472   6 0   121  58.0   0.0    7.5    0.0   0.0     0.0    7.5    0.0   192.5     0.0    TE AROHA
STREET
 7472 -  7474   6 0    52  57.9   0.0    3.2    0.0   0.0     0.0    3.2    0.0   195.7     0.0    TE AROHA
STREET
 7474 -  6745   6 0    96  57.3   0.0    6.0    0.0   0.0     0.0    6.0    0.0   201.7     0.0    TE AROHA
STREET
 6745 -  6744   6 0   147  57.2   0.0    9.3    0.0   0.0     0.0    9.3    0.0   211.0     0.0    TE AROHA
STREET
 6744 -  7179   6 0   104  57.3   0.0    6.5    0.0   0.0     0.0    6.5    0.0   217.5     0.0    TE AROHA
STREET
 7179 -  6976   6 0    20  57.3   0.0    1.3    0.0   0.0     0.0    1.3    0.0   218.8     0.0
 6976 -  7005   6 0    59  57.2   0.0    3.7    0.0   0.0     0.0    3.7    0.0   222.5     0.0    TE AROHA
STREET
 7005 -  3752   6 3    67  57.6   0.0    4.2    0.0  18.0     0.0   22.2    0.0   244.7     0.0    TE AROHA
STREET
 3752 -  3753   5 0    83  47.4   0.0    6.3    0.0   0.0     0.0    6.3    0.0   251.0     0.0    GREY STREET
 3753 -  3754   5 7    46  49.3   0.0    3.4    0.0   0.0     0.0    3.4    0.0   254.3     0.0    GREY STREET
 3754 -  3756  14 0   150  43.6   0.0   12.4    0.0   0.0     0.0   12.4    0.0   266.7     0.0    CLAUDELANDS
ROAD
 3756 -  9823  21 0    10  47.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0   267.5     0.0    CLAUDELANDS
ROAD
 9823 -  3453  14 7   626  42.3   0.0   53.3    0.0  34.0     0.0   87.3    0.0   354.7     0.0    CLAUDELANDS
ROAD
 3453 -  3448   5 7    61  48.7   0.0    4.5    0.0  50.0     0.0   54.5    0.0   409.3     0.0    VICTORIA
STREET
 3448 -  7719  13 0   125  34.3   0.0   13.1    0.0   0.0     0.0   13.1    0.0   422.4     0.0    BRYCE STREET
 7719 - 10462  13 0    81  33.6   0.0    8.7    0.0   0.0     0.0    8.7    0.0   431.1     0.0    BRYCE STREET
10462 -  7069  13 6    41  33.1   0.0    4.5    0.0  38.0     0.0   42.5    0.0   473.5     0.0    BRYCE STREET
 7069 - 10472   4 0   122  39.2   0.0   11.2    0.0   0.0     0.0   11.2    0.0   484.7     0.0    BRYCE STREET
10472 -  6984   4 6   117  38.7   0.0   10.9    0.0  36.0     0.0   46.9    0.0   531.6     0.0    BRYCE STREET
 6984 - 10716   5 0   115  46.7   0.0    8.9    0.0   0.0     0.0    8.9    0.0   540.5     0.0    TRISTRAM
STREET
10716 -  3125   5 6   131  46.4   0.0   10.2    0.0  29.0     0.0   39.2    0.0   579.6     0.0    TRISTRAM
STREET
 3125 -  3126   4 0    56  38.8   0.0    5.2    0.0   0.0     0.0    5.2    0.0   584.8     0.0    NORTON ROAD
 3126 -  3388   4 0   185  38.8   0.0   17.2    0.0   0.0     0.0   17.2    0.0   602.0     0.0    NORTON ROAD
 3388 -  3382   4 3    59  38.8   0.0    5.5    0.0   7.0     0.0   12.5    0.0   614.5     0.0    NORTON ROAD
 3382 -  3386   4 0    68  36.9   0.0    6.6    0.0   0.0     0.0    6.6    0.0   621.1     0.0    NORTON ROAD
 3386 -  8243   5 0   159  46.6   0.0   12.3    0.0   0.0     0.0   12.3    0.0   633.4     0.0    NORTON ROAD
 8243 -  3389   5 6    31  46.6   0.0    2.4    0.0  16.0     0.0   18.4    0.0   651.8     0.0    NORTON ROAD
 3389 -  8244   5 0    27  46.6   0.0    2.1    0.0   0.0     0.0    2.1    0.0   653.9     0.0    NORTON ROAD
 8244 -  3381   5 0    69  46.3   0.0    5.4    0.0   0.0     0.0    5.4    0.0   659.2     0.0    NORTON ROAD
 3381 -  3379   5 0    47  46.1   0.0    3.7    0.0   0.0     0.0    3.7    0.0   662.9     0.0    NORTON ROAD
 3379 -  3380   5 7    13  46.1   0.0    1.0    0.0  31.0     0.0   32.0    0.0   694.9     0.0
 3380 -  8217   5 0    19  46.1   0.0    1.5    0.0   0.0     0.0    1.5    0.0   696.4     0.0    NORTON ROAD
 8217 -  6750   5 0    24  46.1   0.0    1.9    0.0   0.0     0.0    1.9    0.0   698.3     0.0    NORTON ROAD
 6750 -  7901   5 0    99  46.1   0.0    7.7    0.0   0.0     0.0    7.7    0.0   706.0     0.0    NORTON ROAD
 7901 -  7902   5 0    89  46.1   0.0    7.0    0.0   0.0     0.0    7.0    0.0   713.0     0.0    NORTON ROAD
 7902 -  7237   5 0   100  46.1   0.0    7.8    0.0   0.0     0.0    7.8    0.0   720.8     0.0    NORTON ROAD
 7237 -  7905   5 0    31  46.1   0.0    2.4    0.0   0.0     0.0    2.4    0.0   723.2     0.0    NORTON ROAD
 7905 -  7906   5 0    66  41.4   0.0    5.7    0.0   0.0     0.0    5.7    0.0   728.9     0.0    NORTON ROAD
 7906 - 10649   5 0    40  42.8   0.0    3.4    0.0   0.0     0.0    3.4    0.0   732.3     0.0    NORTON ROAD
10649 -  6897   5 0    52  42.8   0.0    4.4    0.0   0.0     0.0    4.4    0.0   736.7     0.0    NORTON ROAD
 6897 -  7914   5 0    24  42.8   0.0    2.0    0.0   0.0     0.0    2.0    0.0   738.7     0.0
 7914 -  7915   5 0   168  42.3   0.0   14.3    0.0   0.0     0.0   14.3    0.0   753.0     0.0    NORTON ROAD
 7915 -  7231   5 0    39  42.3   0.0    3.3    0.0   0.0     0.0    3.3    0.0   756.3     0.0    NORTON ROAD
 7231 -  8060   5 0    41  31.0   0.0    4.8    0.0   0.0     0.0    4.8    0.0   761.1     0.0
 8060 -  7880   5 0    81  44.5   0.0    6.6    0.0   0.0     0.0    6.6    0.0   767.6     0.0    NORTON ROAD
 7880 -  4721   5 0    81  44.5   0.0    6.6    0.0   0.0     0.0    6.6    0.0   774.2     0.0    NORTON ROAD
 4721 -  3456  13 6   337  26.9   0.0   45.1    0.0  64.0     0.0  109.1    0.0   883.3     0.0    NORTON ROAD
 3456 -  8206  15 0    21  41.8   0.0    1.8    0.0   0.0     0.0    1.8    0.0   885.1     0.0    LINCOLN
STREET
 8206 -  3266   7 0   198  37.5   0.0   19.0    0.0   0.0     0.0   19.0    0.0   904.1     0.0    LINCOLN
STREET
 3266 -  3267   7 0   117  37.5   0.0   11.2    0.0   0.0     0.0   11.2    0.0   915.3     0.0    LINCOLN
STREET
 3267 -  3476   7 6    57  37.5   0.0    5.5    0.0  35.0     0.0   40.5    0.0   955.8     0.0    LINCOLN
STREET
```

```
 3476 -  7011   15 0   179  51.6   0.0   12.5    0.0   0.0     0.0   12.5    0.0   968.3     0.0    ELLICOTT
ROAD
 7011 -  6653   15 0    61  52.4   0.0    4.2    0.0   0.0     0.0    4.2    0.0   972.5     0.0    ELLICOTT
ROAD
 6653 -  3909   15 0   217  52.8   0.0   14.8    0.0   0.0     0.0   14.8    0.0   987.3     0.0    ELLICOTT
ROAD
 3909 -  8482   15 0   158  52.8   0.0   10.8    0.0   0.0     0.0   10.8    0.0   998.0     0.0    ELLICOTT
ROAD
 8482 -  7608   15 0   116  52.8   0.0    7.9    0.0   0.6     0.0    8.5    0.0  1006.5     0.0    ELLICOTT
ROAD

Modelled Totals     7576  27.1        593.9        412.6         1006.5
Observed Totals                 0.0         886.0         100.9         987.0

Observed Journey Time =   987.00     Implied Average Speed =  27.6
Modelled Journey Time =  1006.54    Modelled Average Speed =  27.1
                         101.98%                             98.06%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 39 Movement Analysis - times in seconds

R5NB
```

Link	Types Lnk	Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Mdl Total	Obs Total	Accum Mdl	Accum Time	Street Name
3301 - 11496	6	0	80	57.4	0.0	5.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	OHAUPO ROAD
11496 - 2667	6	6	195	57.4	0.0	12.2	0.0	24.0	0.0	36.2	0.0	41.2	0.0	OHAUPO ROAD
2667 - 2665	6	0	71	57.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	45.7	0.0	SH 3
2665 - 7301	6	0	139	57.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	54.5	0.0	SH 3
7301 - 7078	6	0	85	57.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	59.8	0.0	SH3
7078 - 10636	6	0	81	57.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	64.9	0.0	SH 3
10636 - 3095	6	0	83	57.2	0.0	5.2	0.0	0.0	0.0	5.2	0.0	70.1	0.0	SH 3
3095 - 2663	15	0	102	52.4	0.0	7.0	0.0	0.0	0.0	7.0	0.0	77.2	0.0	SH 3
2663 - 3143	15	0	99	52.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	84.0	0.0	OHAUPO ROAD
3143 - 3770	15	3	38	52.3	0.0	2.6	0.0	11.0	0.0	13.6	0.0	97.6	0.0	SH 3
3770 - 7007	15	0	40	53.9	0.0	2.7	0.0	0.0	0.0	2.7	0.0	100.2	0.0	NORMANDY AVENUE
7007 - 4233	15	0	285	53.9	0.0	19.0	0.0	0.0	0.0	19.0	0.0	119.3	0.0	NORMANDY AVENUE
4233 - 10640	15	0	93	53.7	0.0	6.2	0.0	0.0	0.0	6.2	0.0	125.5	0.0	NORMANDY AVENUE
10640 - 2646	15	0	82	53.7	0.0	5.5	0.0	0.0	0.0	5.5	0.0	131.0	0.0	NORMANDY AVENUE
2646 - 2647	15	0	42	53.6	0.0	2.8	0.0	0.0	0.0	2.8	0.0	133.8	0.0	NORMANDY AVENUE
2647 - 8214	15	0	109	53.3	0.0	7.4	0.0	0.0	0.0	7.4	0.0	141.2	0.0	NORMANDY AVENUE
8214 - 4754	15	7	18	53.3	0.0	1.2	0.0	36.0	0.0	37.2	0.0	178.4	0.0	NORMANDY AVENUE
4754 - 8212	15	0	21	53.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	179.8	0.0	NORMANDY AVENUE
8212 - 3679	15	0	313	52.0	0.0	21.7	0.0	0.0	0.0	21.7	0.0	201.5	0.0	NORMANDY AVENUE
3679 - 5646	15	0	85	52.6	0.0	5.8	0.0	0.0	0.0	5.8	0.0	207.3	0.0	NORMANDY AVENUE
5646 - 9799	15	2	187	52.6	0.0	12.8	0.0	6.0	0.0	18.8	0.0	226.1	0.0	COBHAM DRIVE
9799 - 10483	7	0	217	68.0	0.0	11.5	0.0	0.0	0.0	11.5	0.0	237.6	0.0	COBHAM DRIVE
10483 - 3672	7	0	264	68.0	0.0	14.0	0.0	0.0	0.0	14.0	0.0	251.6	0.0	COBHAM DRIVE
3672 - 3936	7	0	408	68.0	0.0	21.6	0.0	0.0	0.0	21.6	0.0	273.2	0.0	COBHAM DRIVE
3936 - 8194	15	0	24	52.8	0.0	1.6	0.0	0.0	0.0	1.6	0.0	274.8	0.0	COBHAM DRIVE
8194 - 3370	15	3	58	52.8	0.0	4.0	0.0	9.0	0.0	13.0	0.0	287.8	0.0	COBHAM DRIVE
3370 - 3397	15	0	155	52.8	0.0	10.6	0.0	0.0	0.0	10.6	0.0	298.3	0.0	TRISTRAM STREET
3397 - 4766	15	3	231	52.4	0.0	15.9	0.0	12.0	0.0	27.9	0.0	326.2	0.0	TRISTRAM STREET
4766 - 3631	5	0	186	46.2	0.0	14.5	0.0	0.0	0.0	14.5	0.0	340.7	0.0	TRISTRAM STREET
3631 - 3390	5	3	52	46.2	0.0	4.1	0.0	9.0	0.0	13.1	0.0	353.7	0.0	TRISTRAM STREET
3390 - 3060	5	0	86	46.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	360.5	0.0	TRISTRAM STREET
3060 - 10473	5	0	27	45.8	0.0	2.1	0.0	0.0	0.0	2.1	0.0	362.6	0.0	TRISTRAM STREET
10473 - 3059	5	0	21	45.6	0.0	1.7	0.0	0.0	0.0	1.7	0.0	364.3	0.0	TRISTRAM STREET
3059 - 6684	5	0	62	45.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	369.2	0.0	TRISTRAM STREET
6684 - 7222	4	0	85	35.7	0.0	8.6	0.0	0.0	0.0	8.6	0.0	377.7	0.0	TRISTRAM STREET
7222 - 8252	5	0	42	46.0	0.0	3.3	0.0	0.0	0.0	3.3	0.0	381.0	0.0	TRISTRAM STREET
8252 - 3232	4	7	22	36.4	0.0	2.2	0.0	28.0	0.0	30.2	0.0	411.2	0.0	TRISTRAM STREET
3232 - 3233	5	0	65	47.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	416.2	0.0	TRISTRAM STREET
3233 - 6984	5	0	57	46.9	0.0	4.4	0.0	10.0	0.0	14.4	0.0	430.6	0.0	TRISTRAM STREET
6984 - 10716	5	0	115	46.7	0.0	8.9	0.0	0.0	0.0	8.9	0.0	439.4	0.0	TRISTRAM STREET
10716 - 3125	5	6	131	46.4	0.0	10.2	0.0	30.0	0.0	40.2	0.0	479.6	0.0	TRISTRAM STREET
3125 - 3124	5	0	54	47.3	0.0	4.1	0.0	0.0	0.0	4.1	0.0	483.7	0.0	TRISTRAM STREET
3124 - 6687	5	3	183	47.3	0.0	13.9	0.0	15.0	0.0	28.9	0.0	512.6	0.0	TRISTRAM STREET
6687 - 9785	5	0	229	45.4	0.0	18.2	0.0	0.0	0.0	18.2	0.0	530.8	0.0	TRISTRAM STREET
9785 - 6729	5	0	15	45.1	0.0	1.2	0.0	0.0	0.0	1.2	0.0	532.0	0.0	TRISTRAM STREET
6729 - 3473	5	0	82	44.8	0.0	6.6	0.0	0.0	0.0	6.6	0.0	538.6	0.0	TRISTRAM STREET
3473 - 3472	5	6	25	45.9	0.0	2.0	0.0	19.0	0.0	21.0	0.0	559.5	0.0	TRISTRAM STREET
3472 - 8219	14	0	34	42.5	0.0	2.9	0.0	0.0	0.0	2.9	0.0	562.4	0.0	ABBOTSFORD STREET
8219 - 10511	4	0	204	37.6	0.0	19.5	0.0	0.0	0.0	19.5	0.0	581.9	0.0	ABBOTSFORD STREET

```
10511 -  6728    4 5   104  37.6   0.0   10.0    0.0  14.0     0.0   24.0    0.0   605.9     0.0    ABBOTSFORD
STREET
 6728 - 10512    5 0    52  46.7   0.0    4.0    0.0   0.0     0.0    4.0    0.0   609.9     0.0    WILLOUGHBY
STREET
10512 -  4759    5 4   429  46.9   0.0   32.9    0.0  14.2     0.0   47.1    0.0   657.0     0.0    WILLOUGHBY
STREET

Modelled Totals     5967  32.7        419.8        237.2          657.0
Observed Totals                 0.0         603.6          99.0         702.6

Observed Journey Time =   702.60     Implied Average Speed =  30.6
Modelled Journey Time =   657.03    Modelled Average Speed =  32.7
                          93.51%                            106.94%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 40 Movement Analysis - times in seconds

R5SB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4759 - 10512    5 0   429  49.6   0.0   31.1    0.0   0.0     0.0   31.1    0.0    31.1     0.0    WILLOUGHBY
STREET
10512 -  6728    5 0    52  49.6   0.0    3.8    0.0   0.0     0.0    3.8    0.0    34.9     0.0    WILLOUGHBY
STREET
 6728 - 10511    4 0   104  40.0   0.0    9.4    0.0   0.0     0.0    9.4    0.0    44.3     0.0    ABBOTSFORD
STREET
10511 -  8219    4 0   204  40.0   0.0   18.4    0.0   0.0     0.0   18.4    0.0    62.6     0.0    ABBOTSFORD
STREET
 8219 -  8218    3 5    50  30.0   0.0    6.0    0.0   0.0     0.0    6.0    0.0    68.6     0.0
 8218 -  3473    5 2    55  46.6   0.0    4.2    0.0   5.0     0.0    9.2    0.0    77.9     0.0
 3473 -  6729    5 0    82  46.2   0.0    6.4    0.0   0.0     0.0    6.4    0.0    84.3     0.0    TRISTRAM
STREET
 6729 -  9785    5 0    15  45.8   0.0    1.2    0.0   0.0     0.0    1.2    0.0    85.4     0.0    TRISTRAM
STREET
 9785 -  6687    5 3   229  45.6   0.0   18.1    0.0  10.0     0.0   28.1    0.0   113.5     0.0    TRISTRAM
STREET
 6687 -  3124    5 0   183  46.0   0.0   14.3    0.0   0.0     0.0   14.3    0.0   127.8     0.0    TRISTRAM
STREET
 3124 -  3125    5 6    54  46.0   0.0    4.2    0.0  21.0     0.0   25.2    0.0   153.1     0.0    TRISTRAM
STREET
 3125 - 10716    5 0   131  45.7   0.0   10.3    0.0   0.0     0.0   10.3    0.0   163.4     0.0    TRISTRAM
STREET
10716 -  6984    5 6   115  45.2   0.0    9.2    0.0  12.0     0.0   21.2    0.0   184.6     0.0    TRISTRAM
STREET
 6984 -  3233    5 0    57  45.4   0.0    4.5    0.0   0.0     0.0    4.5    0.0   189.1     0.0    TRISTRAM
STREET
 3233 -  3232    5 7    65  45.3   0.0    5.2    0.0  25.0     0.0   30.2    0.0   219.2     0.0    TRISTRAM
STREET
 3232 -  8252    4 0    22  35.0   0.0    2.3    0.0   0.0     0.0    2.3    0.0   221.5     0.0    TRISTRAM
STREET
 8252 -  7222    5 0    42  44.6   0.0    3.4    0.0   0.0     0.0    3.4    0.0   224.9     0.0    TRISTRAM
STREET
 7222 -  6684    4 0    85  32.1   0.0    9.5    0.0   0.0     0.0    9.5    0.0   234.4     0.0    TRISTRAM
STREET
 6684 -  3059    5 0    62  44.6   0.0    5.0    0.0   0.0     0.0    5.0    0.0   239.4     0.0    TRISTRAM
STREET
 3059 - 10473    5 0    21  44.5   0.0    1.7    0.0   0.0     0.0    1.7    0.0   241.1     0.0    TRISTRAM
STREET
10473 -  3060    5 0    27  44.0   0.0    2.2    0.0   0.0     0.0    2.2    0.0   243.3     0.0    TRISTRAM
STREET
 3060 -  3390    5 3    86  43.2   0.0    7.2    0.0   8.0     0.0   15.2    0.0   258.5     0.0    TRISTRAM
STREET
 3390 -  3631    5 0    52  37.2   0.0    5.0    0.0   0.0     0.0    5.0    0.0   263.5     0.0    TRISTRAM
STREET
 3631 -  4766    5 3   186  37.2   0.0   18.0    0.0  10.0     0.0   28.0    0.0   291.5     0.0    TRISTRAM
STREET
 4766 -  3397   15 0   231  29.8   0.0   27.9    0.0   0.0     0.0   27.9    0.0   319.4     0.0    TRISTRAM
STREET
 3397 -  3370   15 3   155  32.1   0.0   17.4    0.0  13.0     0.0   30.4    0.0   349.8     0.0    TRISTRAM
STREET
 3370 -  8194   15 0    58  51.9   0.0    4.0    0.0   0.0     0.0    4.0    0.0   353.8     0.0    COBHAM DRIVE
 8194 -  3936   15 0    24  48.4   0.0    1.8    0.0   0.0     0.0    1.8    0.0   355.6     0.0    COBHAM DRIVE
 3936 -  3672    7 0   408  65.6   0.0   22.4    0.0   0.0     0.0   22.4    0.0   378.0     0.0    COBHAM DRIVE
 3672 - 10483    7 0   264  64.8   0.0   14.7    0.0   0.0     0.0   14.7    0.0   392.7     0.0    COBHAM DRIVE
10483 -  3677    7 0   298  64.8   0.0   16.6    0.0   0.0     0.0   16.6    0.0   409.2     0.0    COBHAM DRIVE
 3677 -  3676    7 6   131  64.8   0.0    7.3    0.0  31.0     0.0   38.3    0.0   447.5     0.0    COBHAM DRIVE
 3676 -  3679   15 0    92  51.5   0.0    6.4    0.0   0.0     0.0    6.4    0.0   454.0     0.0    NORMANDY
AVENUE
 3679 -  8212   15 0   313  48.8   0.0   23.1    0.0   0.0     0.0   23.1    0.0   477.0     0.0    NORMANDY
AVENUE
 8212 -  4754   15 7    21  48.8   0.0    1.5    0.0  11.0     0.0   12.5    0.0   489.6     0.0    NORMANDY
AVENUE
 4754 -  8214   15 0    18  50.2   0.0    1.3    0.0   0.0     0.0    1.3    0.0   490.9     0.0    NORMANDY
AVENUE
 8214 -  2647   15 0   109  50.2   0.0    7.8    0.0   0.0     0.0    7.8    0.0   498.7     0.0    NORMANDY
AVENUE
 2647 -  2646   15 0    42  51.3   0.0    2.9    0.0   0.0     0.0    2.9    0.0   501.6     0.0    NORMANDY
AVENUE
 2646 - 10640   15 0    82  51.5   0.0    5.7    0.0   0.0     0.0    5.7    0.0   507.4     0.0    NORMANDY
AVENUE
10640 -  4233   15 0    93  51.5   0.0    6.5    0.0   0.0     0.0    6.5    0.0   513.9     0.0    NORMANDY
AVENUE
 4233 -  7007   15 0   285  51.8   0.0   19.8    0.0   0.0     0.0   19.8    0.0   533.7     0.0    NORMANDY
AVENUE
 7007 -  3770   15 3    40  52.3   0.0    2.8    0.0  14.0     0.0   16.8    0.0   550.4     0.0    NORMANDY
AVENUE
 3770 -  3143   15 0    38  50.3   0.0    2.7    0.0   0.0     0.0    2.7    0.0   553.2     0.0    SH 3
 3143 -  2663   15 0    99  50.3   0.0    7.1    0.0   0.0     0.0    7.1    0.0   560.2     0.0    OHAUPO ROAD
 2663 -  3095   15 0   102  50.3   0.0    7.3    0.0   0.0     0.0    7.3    0.0   567.5     0.0    SH 3
 3095 - 10636    6 0    83  54.5   0.0    5.5    0.0   0.0     0.0    5.5    0.0   573.0     0.0    SH 3
10636 -  7078    6 0    81  54.5   0.0    5.4    0.0   0.0     0.0    5.4    0.0   578.4     0.0    SH 3
 7078 -  7301    6 0    85  54.5   0.0    5.6    0.0   0.0     0.0    5.6    0.0   584.0     0.0    SH3
```

```
 7301 -  2665    6 0   139  54.5   0.0    9.2    0.0   0.0     0.0    9.2    0.0   593.2     0.0    SH 3
 2665 -  2667    6 6    71  54.3   0.0    4.7    0.0   6.0     0.0   10.7    0.0   603.9     0.0    SH 3
 2667 - 11496    6 0   195  55.2   0.0   12.7    0.0   0.0     0.0   12.7    0.0   616.6     0.0    OHAUPO ROAD
11496 -  3301    6 3    80  55.2   0.0    5.2    0.0   7.7     0.0   12.9    0.0   629.5     0.0    OHAUPO ROAD

Modelled Totals     6045  34.6        455.8        173.7          629.5
Observed Totals                 0.0         628.8          85.4         714.2

      +++ Links with No Traffic in journey: R5SB

Observed Journey Time =   714.20     Implied Average Speed =  30.5
Modelled Journey Time =   629.52    Modelled Average Speed =  34.6
                          88.14%                            113.45%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 41 Movement Analysis - times in seconds

R6aEB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4768 -  4769   15 6   156  53.5   0.0   10.5    0.0  71.0     0.0   81.5    0.0    81.5     0.0    VICTORIA
STREET
 4769 -  4907   21 0    15  42.9   0.0    1.3    0.0   0.0     0.0    1.3    0.0    82.8     0.0
 4907 -  3606    4 0   146  30.6   0.0   17.2    0.0   0.0     0.0   17.2    0.0    99.9     0.0    FAIRFIELD
BRIDGE
 3606 -  3605    4 3    50  30.6   0.0    5.9    0.0 236.0     0.0  241.9    0.0   341.8     0.0    FAIRFIELD
BRIDGE
 3605 -  7074    6 0    59  53.0   0.0    4.0    0.0   0.0     0.0    4.0    0.0   345.8     0.0    RIVER ROAD
 7074 -  7105    6 0   352  54.9   0.0   23.1    0.0   0.0     0.0   23.1    0.0   368.9     0.0    RIVER ROAD
 7105 -  6677    6 0    82  54.9   0.0    5.4    0.0  14.0     0.0   19.4    0.0   388.3     0.0    RIVER ROAD
 6677 -  3112    6 0   262  58.6   0.0   16.1    0.0   2.0     0.0   18.1    0.0   406.4     0.0    CLARKIN ROAD
 3112 -  7254    6 0   211  58.4   0.0   13.0    0.0   1.0     0.0   14.0    0.0   420.4     0.0    CLARKIN ROAD
 7254 -  6606    6 0   139  58.4   0.0    8.6    0.0   1.0     0.0    9.6    0.0   430.0     0.0    CLARKIN ROAD
 6606 -  6605    6 0    68  58.4   0.0    4.2    0.0   2.0     0.0    6.2    0.0   436.1     0.0    CLARKIN ROAD
 6605 -  7740    6 0   172  58.3   0.0   10.6    0.0   2.0     0.0   12.6    0.0   448.8     0.0    CLARKIN ROAD
 7740 -  6906    6 0   106  58.5   0.0    6.5    0.0   0.0     0.0    6.5    0.0   455.3     0.0    CLARKIN ROAD
 6906 -  3707    6 0    92  57.5   0.0    5.8    0.0   9.0     0.0   14.8    0.0   470.0     0.0    CLARKIN ROAD
 3707 -  7738    5 0   184  47.4   0.0   14.0    0.0   0.0     0.0   14.0    0.0   484.0     0.0    HEAPHY
TERRACE
 7738 -  6751    5 0   132  47.4   0.0   10.0    0.0   0.0     0.0   10.0    0.0   494.0     0.0    HEAPHY
TERRACE
 6751 -  3703    5 0   176  47.3   0.0   13.4    0.0   0.0     0.0   13.4    0.0   507.4     0.0    HEAPHY
TERRACE
 3703 -  7924    5 0   114  47.0   0.0    8.7    0.0   0.0     0.0    8.7    0.0   516.2     0.0    HEAPHY
TERRACE
 7924 -  7013    5 0    32  47.3   0.0    2.4    0.0   0.0     0.0    2.4    0.0   518.6     0.0    HEAPHY
TERRACE
 7013 -  7923    5 0    70  47.3   0.0    5.3    0.0   0.0     0.0    5.3    0.0   523.9     0.0    HEAPHY
TERRACE
 7923 -  7921    5 0    19  46.9   0.0    1.5    0.0   0.0     0.0    1.5    0.0   525.4     0.0
 7921 -  7925    5 0    94  46.9   0.0    7.2    0.0   0.0     0.0    7.2    0.0   532.6     0.0    HEAPHY
TERRACE
 7925 -  7919    5 0     7  46.9   0.0    0.5    0.0   0.0     0.0    0.5    0.0   533.1     0.0
 7919 -  4961    5 0   100  46.6   0.0    7.7    0.0   0.0     0.0    7.7    0.0   540.9     0.0    HEAPHY
TERRACE
 4961 -  4955    5 0   100  46.6   0.0    7.7    0.0   1.0     0.0    8.7    0.0   549.6     0.0    HEAPHY
TERRACE
 4955 -  4132    5 0    22  46.6   0.0    1.7    0.0   1.0     0.0    2.7    0.0   552.3     0.0
 4132 -  3012    5 3   141  46.6   0.0   10.9    0.0  12.0     0.0   22.9    0.0   575.2     0.0    HEAPHY
TERRACE
 3012 -  6737    5 0   125  47.8   0.0    9.4    0.0   0.0     0.0    9.4    0.0   584.6     0.0    HEAPHY
TERRACE
 6737 -  7468    5 0   127  47.8   0.0    9.6    0.0   0.0     0.0    9.6    0.0   594.2     0.0    HEAPHY
TERRACE
 7468 -  3454    5 0   252  47.9   0.0   18.9    0.0   0.0     0.0   18.9    0.0   613.1     0.0
 3454 -  8232    5 0   224  47.7   0.0   16.9    0.0   0.0     0.0   16.9    0.0   630.0     0.0    HEAPHY
TERRACE
 8232 -  2537    5 6    34  47.8   0.0    2.6    0.0  21.0     0.0   23.6    0.0   653.6     0.0    HEAPHY
TERRACE
 2537 -  3755    5 0    50  48.0   0.0    3.8    0.0   0.0     0.0    3.8    0.0   657.3     0.0    HEAPHY
TERRACE
 3755 -  3754    5 7    35  48.0   0.0    2.6    0.0  10.0     0.0   12.6    0.0   670.0     0.0    HEAPHY
TERRACE
 3754 -  3753    5 0    46  46.0   0.0    3.6    0.0   0.0     0.0    3.6    0.0   673.6     0.0    GREY STREET
 3753 -  3752    5 3    83  46.0   0.0    6.5    0.0  24.4     0.0   30.9    0.0   704.4     0.0    GREY STREET

Modelled Totals     4077  20.8        297.0        407.4          704.4
Observed Totals                  0.0         470.1          58.5         528.6

Observed Journey Time =   528.60     Implied Average Speed =  27.8
Modelled Journey Time =   704.45    Modelled Average Speed =  20.8
                        133.27%                            75.04%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 42 Movement Analysis - times in seconds

R6aWB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3752 -  3753    5 0    83  47.4   0.0    6.3    0.0   0.0     0.0    6.3    0.0     6.3     0.0    GREY STREET
 3753 -  3754    5 7    46  49.3   0.0    3.4    0.0  43.0     0.0   46.4    0.0    52.7     0.0    GREY STREET
 3754 -  3755    5 0    35  49.1   0.0    2.6    0.0   0.0     0.0    2.6    0.0    55.2     0.0    HEAPHY
TERRACE
 3755 -  2537    5 6    50  47.5   0.0    3.8    0.0  14.0     0.0   17.8    0.0    73.0     0.0    HEAPHY
TERRACE
 2537 -  8232    5 0    34  48.1   0.0    2.5    0.0   0.0     0.0    2.5    0.0    75.6     0.0    HEAPHY
TERRACE
 8232 -  3454    5 0   224  48.1   0.0   16.8    0.0   0.0     0.0   16.8    0.0    92.3     0.0    HEAPHY
TERRACE
 3454 -  7468    5 0   252  48.2   0.0   18.8    0.0   0.0     0.0   18.8    0.0   111.1     0.0
 7468 -  6737    5 0   127  47.8   0.0    9.6    0.0   0.0     0.0    9.6    0.0   120.7     0.0    HEAPHY
TERRACE
 6737 -  3012    5 3   125  47.8   0.0    9.4    0.0  11.0     0.0   20.4    0.0   141.1     0.0    HEAPHY
TERRACE
 3012 -  4132    5 0   141  44.7   0.0   11.4    0.0   4.0     0.0   15.4    0.0   156.5     0.0    HEAPHY
TERRACE
 4132 -  4955    5 0    22  44.9   0.0    1.8    0.0   0.0     0.0    1.8    0.0   158.2     0.0
 4955 -  4961    5 0   100  44.9   0.0    8.0    0.0   0.0     0.0    8.0    0.0   166.3     0.0    HEAPHY
TERRACE
 4961 -  7919    5 0   100  44.9   0.0    8.0    0.0   0.0     0.0    8.0    0.0   174.3     0.0    HEAPHY
TERRACE
 7919 -  7925    5 0     7  45.1   0.0    0.6    0.0   0.0     0.0    0.6    0.0   174.8     0.0
 7925 -  7921    5 0    94  45.1   0.0    7.5    0.0   0.0     0.0    7.5    0.0   182.3     0.0    HEAPHY
TERRACE
 7921 -  7923    5 0    19  45.2   0.0    1.5    0.0   0.0     0.0    1.5    0.0   183.9     0.0
 7923 -  7013    5 0    70  45.7   0.0    5.5    0.0   0.0     0.0    5.5    0.0   189.4     0.0    HEAPHY
TERRACE
 7013 -  7924    5 0    32  46.0   0.0    2.5    0.0   1.0     0.0    3.5    0.0   192.9     0.0    HEAPHY
TERRACE
 7924 -  3703    5 0   114  45.8   0.0    9.0    0.0   0.0     0.0    9.0    0.0   201.8     0.0    HEAPHY
TERRACE
 3703 -  6751    5 0   176  46.0   0.0   13.8    0.0   0.0     0.0   13.8    0.0   215.6     0.0    HEAPHY
TERRACE
 6751 -  7738    5 0   132  46.2   0.0   10.3    0.0   0.0     0.0   10.3    0.0   225.9     0.0    HEAPHY
TERRACE
 7738 -  3707    5 4   184  46.2   0.0   14.3    0.0  10.0     0.0   24.3    0.0   250.2     0.0    HEAPHY
TERRACE
 3707 -  6906    6 0    92  57.2   0.0    5.8    0.0   0.0     0.0    5.8    0.0   256.0     0.0    CLARKIN ROAD
 6906 -  7740    6 0   106  58.8   0.0    6.5    0.0   1.0     0.0    7.5    0.0   263.5     0.0    CLARKIN ROAD
 7740 -  6605    6 0   172  59.0   0.0   10.5    0.0   1.0     0.0   11.5    0.0   275.0     0.0    CLARKIN ROAD
 6605 -  6606    6 0    68  58.9   0.0    4.2    0.0   2.0     0.0    6.2    0.0   281.2     0.0    CLARKIN ROAD
 6606 -  7254    6 0   139  59.1   0.0    8.5    0.0   2.0     0.0   10.5    0.0   291.6     0.0    CLARKIN ROAD
 7254 -  3112    6 0   211  59.2   0.0   12.8    0.0   1.0     0.0   13.8    0.0   305.5     0.0    CLARKIN ROAD
 3112 -  6677    6 4   262  59.6   0.0   15.8    0.0   9.0     0.0   24.8    0.0   330.3     0.0    CLARKIN ROAD
 6677 -  7105    6 0    82  56.9   0.0    5.2    0.0   0.0     0.0    5.2    0.0   335.5     0.0    RIVER ROAD
 7105 -  7074    6 4   352  56.9   0.0   22.3    0.0  14.0     0.0   36.3    0.0   371.7     0.0    RIVER ROAD
 7074 -  3605    6 3    59  56.2   0.0    3.8    0.0  19.0     0.0   22.8    0.0   394.5     0.0    RIVER ROAD
 3605 -  3606    4 0    50  36.4   0.0    4.9    0.0   0.0     0.0    4.9    0.0   399.5     0.0    FAIRFIELD
BRIDGE
 3606 -  4907    4 0   146  36.4   0.0   14.4    0.0   0.0     0.0   14.4    0.0   413.9     0.0    FAIRFIELD
BRIDGE
 4907 -  4769   21 7    15  46.0   0.0    1.2    0.0  62.0     0.0   63.2    0.0   477.1     0.0
 4769 -  4768   15 0   156  53.6   0.0   10.5    0.0   3.1     0.0   13.6    0.0   490.7     0.0    VICTORIA
STREET

Modelled Totals     4077  29.9        293.6        197.1          490.7
Observed Totals                 0.0          625.9          59.7          685.6

Observed Journey Time =   685.60     Implied Average Speed =  21.4
Modelled Journey Time =   490.67    Modelled Average Speed =  29.9
                          71.57%                            139.73%
```

```
+----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+----------------------------------------------------------------------------------------+

Journey 43 Movement Analysis - times in seconds

R6bNB

   Link      Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
             Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3448 -  3450    5 0   119  48.2   0.0    8.9    0.0   0.0     0.0    8.9    0.0     8.9     0.0    VICTORIA
STREET
 3450 -  3449    5 0    11  48.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0     9.7     0.0
 3449 -  3452    5 6   113  48.4   0.0    8.4    0.0  24.0     0.0   32.4    0.0    42.1     0.0    VICTORIA
STREET
 3452 -  6732    5 0   244  48.1   0.0   18.3    0.0   0.0     0.0   18.3    0.0    60.4     0.0    VICTORIA
STREET
 6732 - 10455    5 0    71  48.0   0.0    5.3    0.0   0.0     0.0    5.3    0.0    65.7     0.0    VICTORIA
STREET
10455 -  6730    5 0    56  48.1   0.0    4.2    0.0   0.0     0.0    4.2    0.0    69.9     0.0    VICTORIA
STREET
 6730 -  3132    5 0   114  47.8   0.0    8.6    0.0  10.0     0.0   18.6    0.0    88.5     0.0    VICTORIA
STREET
 3132 - 10469    5 0   189  47.8   0.0   14.2    0.0   0.0     0.0   14.2    0.0   102.7     0.0    VICTORIA
STREET
10469 -  8250    5 0    59  47.7   0.0    4.5    0.0   0.0     0.0    4.5    0.0   107.2     0.0    VICTORIA
STREET
 8250 -  4951    5 6    38  47.7   0.0    2.9    0.0  39.0     0.0   41.9    0.0   149.0     0.0    VICTORIA
STREET
 4951 -  4952   15 0    82  52.7   0.0    5.6    0.0   0.0     0.0    5.6    0.0   154.6     0.0    VICTORIA
STREET
 4952 -  7213   15 0    76  52.8   0.0    5.2    0.0   3.0     0.0    8.2    0.0   162.8     0.0    VICTORIA
STREET
 7213 -  7107   15 0   194  52.8   0.0   13.2    0.0   0.0     0.0   13.2    0.0   176.0     0.0    VICTORIA
STREET
 7107 -  7109   15 0    70  53.6   0.0    4.7    0.0   0.0     0.0    4.7    0.0   180.7     0.0    VICTORIA
STREET

Modelled Totals     1436  28.6        104.7         76.0          180.7
Observed Totals                 0.0         156.6          45.7         202.3

Observed Journey Time =   202.30     Implied Average Speed =  25.6
Modelled Journey Time =   180.75    Modelled Average Speed =  28.6
                          89.35%                            111.93%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 44 Movement Analysis - times in seconds

R6bSB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 4768 -  7109   15 0   143  53.7   0.0    9.6    0.0   1.0     0.0   10.6    0.0    10.6     0.0    VICTORIA
STREET
 7109 -  7107   15 0    70  53.7   0.0    4.7    0.0   2.0     0.0    6.7    0.0    17.3     0.0    VICTORIA
STREET
 7107 -  7213   15 0   194  53.8   0.0   13.0    0.0   1.0     0.0   14.0    0.0    31.3     0.0    VICTORIA
STREET
 7213 -  4952   15 0    76  53.8   0.0    5.1    0.0   0.0     0.0    5.1    0.0    36.3     0.0    VICTORIA
STREET
 4952 -  4951   15 6    82  53.8   0.0    5.5    0.0  87.0     0.0   92.5    0.0   128.8     0.0    VICTORIA
STREET
 4951 -  8250    5 0    38  49.8   0.0    2.7    0.0   0.0     0.0    2.7    0.0   131.6     0.0    VICTORIA
STREET
 8250 - 10469    5 0    59  49.0   0.0    4.3    0.0   0.0     0.0    4.3    0.0   135.9     0.0    VICTORIA
STREET
10469 -  3132    5 6   189  49.0   0.0   13.9    0.0  10.0     0.0   23.9    0.0   159.8     0.0    VICTORIA
STREET
 3132 -  6730    5 0   114  47.8   0.0    8.6    0.0   0.0     0.0    8.6    0.0   168.4     0.0    VICTORIA
STREET
 6730 - 10455    5 0    56  47.8   0.0    4.2    0.0   0.0     0.0    4.2    0.0   172.6     0.0    VICTORIA
STREET
10455 -  6732    5 0    71  47.7   0.0    5.4    0.0   0.0     0.0    5.4    0.0   178.0     0.0    VICTORIA
STREET
 6732 -  3452    5 7   244  47.5   0.0   18.5    0.0  25.0     0.0   43.5    0.0   221.5     0.0    VICTORIA
STREET
 3452 -  3449    5 0   113  47.4   0.0    8.6    0.0   0.0     0.0    8.6    0.0   230.0     0.0    VICTORIA
STREET
 3449 -  3450    5 0    11  47.2   0.0    0.8    0.0   0.0     0.0    0.8    0.0   230.9     0.0
 3450 -  3448    5 7   119  47.2   0.0    9.1    0.0 143.4     0.0  152.5    0.0   383.4     0.0    VICTORIA
STREET

Modelled Totals     1579  14.8        114.0        269.4          383.4
Observed Totals                0.0         194.7          23.3         218.0

Observed Journey Time =   218.00     Implied Average Speed =  26.1
Modelled Journey Time =   383.35    Modelled Average Speed =  14.8
                         175.85%                             56.87%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 45 Movement Analysis - times in seconds

R6cEB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 7102 - 10445   14 0    51  42.7   0.0    4.3    0.0   0.0     0.0    4.3    0.0     4.3     0.0    VICTORIA
STREET
10445 -  8235   14 0   210  42.6   0.0   17.7    0.0   0.0     0.0   17.7    0.0    22.0     0.0    VICTORIA
STREET
 8235 -  2738   14 6    25  45.1   0.0    2.0    0.0   0.0     0.0    2.0    0.0    24.0     0.0    VICTORIA
STREET
 2738 -  8233    5 0    31  43.0   0.0    2.6    0.0   0.0     0.0    2.6    0.0    26.6     0.0    BRIDGE
STREET
 8233 -  9824    5 0   258   7.7   0.0  120.6    0.0   0.0     0.0  120.6    0.0   147.3     0.0
 9824 -  3519    5 0    11   7.7   0.0    5.1    0.0   0.0     0.0    5.1    0.0   152.4     0.0
 3519 -  6711    5 0    76   9.4   0.0   29.1    0.0   0.0     0.0   29.1    0.0   181.5     0.0    BRIDGE
STREET
 6711 -  8230    5 0    52  11.5   0.0   16.3    0.0   0.0     0.0   16.3    0.0   197.8     0.0    BRIDGE
STREET
 8230 -  8229    5 4    48  48.1   0.0    3.6    0.0   6.0     0.0    9.6    0.0   207.4     0.0    BRIDGE
STREET
 8229 -  6715    5 0    70  47.7   0.0    5.3    0.0   0.0     0.0    5.3    0.0   212.7     0.0    GREY STREET
 6715 -  4913    5 0   240  47.3   0.0   18.3    0.0   1.0     0.0   19.3    0.0   231.9     0.0    GREY STREET
 4913 - 10646    5 0   385  47.0   0.0   29.5    0.0   0.0     0.0   29.5    0.0   261.4     0.0    GREY STREET
10646 -  3752    5 3   170  47.0   0.0   13.0    0.0  14.7     0.0   27.7    0.0   289.1     0.0    GREY STREET

Modelled Totals     1627  20.3        267.4         21.7          289.1
Observed Totals                 0.0         223.4          34.0         257.4

Observed Journey Time =   257.40     Implied Average Speed =  22.8
Modelled Journey Time =   289.14    Modelled Average Speed =  20.3
                        112.33%                             89.02%
```

```
+-----------------------------------------------------------------------------------------+
| TRACKS - 17-MAR-14 @ 1                                                 Gabites Porter |
|                                                                      Christchurch, N.Z. |
+-----------------------------------------------------------------------------------------+

Journey 46 Movement Analysis - times in seconds

R6cWB

   Link     Types   Dist   Mdl   Obs    Mdl    Obs   Mdl     Obs    Mdl    Obs   Accum   Accum     Street Name
            Lnk Ap   (m)   Spd   Spd   Time   Time Delay   Delay  Total  Total     Mdl    Time
 3752 - 10646    5 0   170  46.9   0.0   13.0    0.0   0.0     0.0   13.0    0.0    13.0     0.0    GREY STREET
10646 -  4913    5 0   385  47.1   0.0   29.4    0.0   1.0     0.0   30.4    0.0    43.5     0.0    GREY STREET
 4913 -  6715    5 0   240  47.1   0.0   18.3    0.0   1.0     0.0   19.3    0.0    62.8     0.0    GREY STREET
 6715 -  8229    5 0    70  46.9   0.0    5.4    0.0   0.0     0.0    5.4    0.0    68.2     0.0    GREY STREET
 8229 -  7494    5 6    35  46.9   0.0    2.7    0.0  40.0     0.0   42.7    0.0   110.9     0.0    GREY STREET
 7494 -  8230    5 0    30  43.7   0.0    2.5    0.0   0.0     0.0    2.5    0.0   113.4     0.0    BRIDGE
STREET
 8230 -  6711    5 0    52  43.7   0.0    4.3    0.0   0.0     0.0    4.3    0.0   117.6     0.0    BRIDGE
STREET
 6711 -  3519    5 0    76  43.2   0.0    6.3    0.0   0.0     0.0    6.3    0.0   124.0     0.0    BRIDGE
STREET
 3519 -  9824    5 0    11  45.4   0.0    0.9    0.0   0.0     0.0    0.9    0.0   124.8     0.0
 9824 -  8233    5 0   258  45.4   0.0   20.5    0.0   0.0     0.0   20.5    0.0   145.3     0.0
 8233 -  2738    5 6    31  45.4   0.0    2.5    0.0  56.0     0.0   58.5    0.0   203.8     0.0    BRIDGE
STREET
 2738 -  8235   14 0    25  42.9   0.0    2.1    0.0   0.0     0.0    2.1    0.0   205.9     0.0    VICTORIA
STREET
 8235 - 10445   14 0   210  44.0   0.0   17.2    0.0   2.0     0.0   19.2    0.0   225.0     0.0    VICTORIA
STREET
10445 -  7102   14 0    51  44.3   0.0    4.1    0.0   0.0     0.0    4.1    0.0   229.2     0.0    VICTORIA
STREET

Modelled Totals     1644  25.8        129.2        100.0          229.2
Observed Totals                 0.0         173.0          51.1         224.1

Observed Journey Time =   224.10     Implied Average Speed =  26.4
Modelled Journey Time =   229.18    Modelled Average Speed =  25.8
                        102.27%                             97.78%

 JURNEY terminated successfully
```

Appendix B

APPENDIX B

Morning Peak Screenline Validation Output Files

```
+---------------------------------------------+
| TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
|  TRACKS +-------------------------+ TRACKS  |
| S TRACKS|                         |S TRACKS |
| KS TRACK|   Program  :     CORDON  |KS TRACK |
| CKS TRAC|   Version  :      V7.08  |CKS TRAC |
| ACKS TRA|                         |ACKS TRA |
| RACKS TR|   Date run :  18-FEB-14  |RACKS TR |
| TRACKS T|   Time run :   13:48:28  |TRACKS T |
|  TRACKS |   Platform :  Win 95/NT  | TRACKS  |
| S TRACKS+-------------------------+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+---------------------------------------------+
+---------------------------------------------+
|             TRACKS Licenced to              |
|  Gabites Porter                             |
|         at :   Christchurch, N.Z.           |
+---------------------------------------------+
           Build Date : 11/12/12 07:32
           Parameter version : V7.00

Network Period Factor :  1.000

 Cordon Period Factor :  1.000

    GEH Period Factor :  2.000

  CSV Output File :

Cordon Data File  : "AM_VAL.TXT"
Loaded Network    : "WL06B0AALLB0.NL"
                    27424 Links in network

Cordon Number :  1
Description   : *1  Franklin Counts
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	2531.	2377	-154.	93.9	2.2	1369.	1377	8.	100.6	0.2	3900.	3754	-146.	96.3	02200001 SH22 East of Great South Road
12141	12150	793.	788	-5.	99.4	0.1	974.	1091	117.	112.0	2.6	1767.	1879	112.	106.3	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	497.	442	-55.	88.9	1.8	922.	895	-27.	97.1	0.7	1419.	1337	-82.	94.2	West St (Btn Fausett & Coronation)
11843	12380	318.	364	46.	114.5	1.8	163.	236	73.	144.8	3.7	481.	600	119.	124.7	Wellington St (Btn Harris & Fairfield)
12338	12266	168.	186	18.	110.7	1.0	94.	79	-15.	84.0	1.2	262.	265	3.	101.1	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	1001.	1017	16.	101.6	0.4	559.	592	33.	105.9	1.0	1560.	1609	49.	103.1	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	902.	377	-525.	41.8	14.7	571.	576	5.	100.9	0.2	1473.	953	-520.	64.7	Massey Avenue (Roulston & Graham)
12108	12116	346.	298	-48.	86.1	1.9	254.	501	247.	197.2	9.0	600.	799	199.	133.2	KING ST NORTH OF MASSEY AVE
11885	11886	64.	9	-55.	14.1	6.6	42.	14	-28.	33.3	3.7	107.	23	-84.	21.5	Birwood Road (Btn Helvetia & Tasman)
12409	11965	227.	231	4.	101.8	0.2	95.	95	0.	100.0	0.0	322.	326	4.	101.2	Princes St West (Btn Helvetia & Duke)
11946	11952	190.	174	-16.	91.6	0.8	249.	86	-163.	34.5	8.9	439.	260	-179.	59.2	Victoria St west (Btn Helvetia & Moloney)

11944	11943	497.	424	-73.	85.3	2.4	922.	795	-127.	86.2	3.1	1419.	1219	-200.	85.9	West St-Pukekohe (btwn Fausett and Coronation) 913m
11573	11610	119.	73	-46.	61.3	3.3	131.	14	-117.	10.7	9.7	250.	87	-163.	34.8	Glasgow road
11819	13804	532.	518	-14.	97.4	0.4	967.	1003	36.	103.7	0.8	1499.	1521	22.	101.5	Puni Rd (Btn Ward & Urban/Rural) 530m
12457	12475	57.	108	51.	189.5	4.1	164.	47	-117.	28.7	8.1	221.	155	-66.	70.1	Anzac Road (Btn Kitchener & Dunnolly) 150m
11712	11535	175.	154	-21.	88.0	1.1	94.	77	-17.	81.9	1.4	269.	231	-38.	85.9	Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
11863	11851	121.	143	22.	118.2	1.4	112.	61	-51.	54.5	4.0	233.	204	-29.	87.6	John St South ((Btn Kitchener & Trevors)
12052	12053	100.	170	70.	170.0	4.3	101.	138	37.	136.6	2.5	201.	308	107.	153.2	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	57.	126	69.	221.1	5.2	92.	48	-44.	52.2	3.7	149.	174	25.	116.8	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	49.	66	17.	134.7	1.7	62.	70	8.	112.9	0.7	111.	136	25.	122.5	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	65.	95	30.	146.2	2.4	75.	108	33.	144.0	2.5	140.	203	63.	145.0	Tuhimata
12030	13801	336.	406	70.	120.8	2.6	216.	141	-75.	65.3	4.0	552.	547	-5.	99.1	Ward St - btn Wellington and Greenlane - 440m

Number of links = 22 Number of forward links = 22 Number of back links = 22

TOTALS	FORWARD	BACK	TOTALS
COUNT	9145.	8228.	17374.
VOLUME	8546.	8044.	16590.
CHANGE	-599.	-184.	-784.
%	93.	98.	95.
CORREL.			
COEFF.	0.976	0.977	0.986
%RMS	30.50	23.86	19.47
r^2	0.953	0.955	0.973
GEH	4.5	1.4	4.3

GEH	<5	<7	<10	<12	>12
#	37	39	43	43	1
%	84.1	88.6	97.7	97.7	2.3

Cordon Number : 2
Description : *Waikato River Bridges

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
5497	5765	1252.	1126	-126.	89.9	2.6	916.	1048	132.	114.4	3.0	2168.	2174	6.	100.3	*Ngaruawahia Bridge
4795	2723	200.	161	-39.	80.5	2.1	200.	373	173.	186.5	7.2	400.	534	134.	133.5	*Horotiu Bridge - Guess
3526	3652	2798.	2738	-60.	97.9	0.8	1475.	1480	5.	100.3	0.1	4273.	4218	-55.	98.7	*Wairere Dr Bridge RSI 13 WBD
3606	4907	1751.	2145	394.	122.5	6.3	1242.	1062	-180.	85.5	3.8	2993.	3207	214.	107.2	*Fairfield Bridge RSI 14 WBD
6739	3953	2402.	2243	-159.	93.4	2.3	972.	931	-41.	95.8	1.0	3373.	3174	-199.	94.1	*Boundary Rd Bridge RSI 15 WBD
9823	3453	1379.	1409	30.	102.2	0.6	451.	505	54.	112.0	1.7	1830.	1914	84.	104.6	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	1956.	2087	131.	106.7	2.0	1588.	1448	-140.	91.2	2.5	3545.	3535	-10.	99.7	*Bridge St Bridge RSI 17 WBD
3509	3099	2702.	2849	147.	105.4	2.0	1931.	1717	-214.	88.9	3.5	4632.	4566	-66.	98.6	*Cobham Dr Bridge RSI 18 SBD
4657	6296	431.	407	-24.	94.4	0.8	501.	489	-12.	97.6	0.4	932.	896	-36.	96.1	*Narrows Bridge
6541	4542	490.	524	34.	106.9	1.1	1350.	1322	-28.	97.9	0.5	1840.	1846	6.	100.3	*Victoria Bridge (Cambridge)
10228	6171	340.	363	23.	106.8	0.8	599.	874	275.	145.9	7.2	939.	1237	298.	131.7	*Shakepeare Bridge (Cambridge)

Number of links = 11 Number of forward links = 11 Number of back links = 11

TOTALS	FORWARD	BACK	TOTALS
COUNT	15701.	11225.	26925.
VOLUME	16052.	11249.	27301.
CHANGE	351.	24.	376.
%	102.	100.	101.
CORREL.			
COEFF.	0.989	0.975	0.996
%RMS	10.93	14.74	5.89
r^2	0.977	0.950	0.992
GEH	2.0	0.2	1.6

GEH	<5	<7	<10	<12	>12
#	19	20	22	22	0

```
  %  86.4  90.9 100.0 100.0   0.0

 Cordon Number :  3
 Description   : *Hamilton Model External Cordon

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  4808 10272     999.   1031     32. 103.2   0.7     926.    959     33. 103.6   0.7    1925.   1990     65. 103.4   *SH1 sth of Shakespeare Cambridge
  4872  6405     956.   1377    421. 144.0   8.7     814.    786    -28.  96.6   0.7    1770.   2163    393. 122.2   *SH3 nth of Tuere Te Awamutu
  8270 10732     218.    324    106. 148.6   4.6     192.    196      4. 102.1   0.2     410.    520    110. 126.8   *SH39 sth of Hanning Piongia
  3516  3507     383.    314    -69.  82.0   2.6     125.    276    151. 220.8   7.6     508.    590     82. 116.1   *SH23 wst of Heddon Raglan
  9743  9772    1355.   1011   -344.  74.6   7.1    1294.   1540    246. 119.0   4.6    2649.   2551    -98.  96.3   *SH1 sth of Tregoweth Huntly
  9264  9923     493.    592     99. 120.1   3.0     441.    639    198. 144.9   6.0     934.   1231    297. 131.8   *SH26 wst of Harbottle

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4404.     3792.     8196.
 VOLUME    4649.     4396.     9045.
 CHANGE     245.      604.      849.
   %        106.      116.      110.
CORREL.
 COEFF.    0.834     0.974     0.980
 %RMS      34.60     24.96     17.18
  r^2      0.696     0.950     0.961
  GEH        2.6       6.7       6.5

  GEH  <5    <7   <10   <12   >12
  #     8     9    12    12     0
  %  66.7  75.0 100.0 100.0   0.0

 Cordon Number :  4
 Description   : *Waikato Model External Cordon

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9743  9772    1355.   1011   -344.  74.6   7.1    1294.   1540    246. 119.0   4.6    2649.   2551    -98.  96.3   *SH1 sth of Tregoweth Huntly
  9264  9923     493.    592     99. 120.1   3.0     441.    639    198. 144.9   6.0     934.   1231    297. 131.8   *SH26 wst of Harbottle
 10160  9850     421.    425      4. 101.0   0.1     402.    515    113. 128.1   3.7     823.    940    117. 114.2   *02700065 200m Sth of Matamata Airport Entrance
  8178  9145     442.    661    219. 149.5   6.6     666.    452   -214.  67.9   6.4    1109.   1113      4. 100.4   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
 10206  9110     292.    161   -131.  55.1   6.2     245.    398    153. 162.4   6.1     538.    559     21. 103.9   *SH5 sth of Maraeroa Rotorua
  8528  4051     320.    253    -67.  79.1   2.8     277.     61   -216.  22.0  11.8     597.    314   -283.  52.6   *03000141 155m before Gun Club Rd
  8792  8552     287.    151   -136.  52.6   6.5     189.    136    -53.  72.0   2.9     476.    287   -189.  60.3   *00500125 98m before State Highway 1 (Wairakei)
  8417  8780     158.    162      4. 102.5   0.2     192.    193      1. 100.5   0.0     350.    355      5. 101.4   *00500138 278m past Crown Rd (Taupo)
  8274  8756     102.    131     29. 128.4   1.8     178.    186      8. 104.5   0.4     280.    317     37. 113.2   *SH1 sth of Taupahi Turangi
  8273  8522      31.     28     -3.  90.3   0.3     122.    103    -19.  84.4   1.3     153.    131    -22.  85.6   *04700046 242m before State Highway 41
  8779  8959      29.     34      5. 117.2   0.8      32.     37      5. 115.6   0.5      61.     71     10. 116.4   *04100029 50m East of Moerangi Rd
  8433  9836     228.    319     91. 139.9   3.9     222.    200    -22.  90.1   1.1     450.    519     69. 115.3   *SH3 nth of SH4 Te Kuiti
 10134  3506      37.     39      2. 105.4   0.2      54.     16    -38.  29.6   4.5      90.     55    -35.  61.1   *03100022 500m West of Ngutunui Rd
  3516  3507     383.    314    -69.  82.0   2.6     125.    276    151. 220.8   7.6     508.    590     82. 116.1   *SH23 wst of Heddon Raglan

Number of links =    14 Number of forward links =    14 Number of back links =    14

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4578.     4439.     9018.
 VOLUME    4281.     4752.     9033.
 CHANGE    -297.      313.       15.
   %         94.      107.      100.
CORREL.
```

```
 COEFF.    0.924     0.943     0.978
 %RMS      40.69     44.29     21.20
  r^2      0.853     0.889     0.957
  GEH        3.2       3.3       0.1

  GEH  <5    <7   <10   <12   >12
  #    19    25    27    28     0
  %  67.9  89.3  96.4 100.0   0.0

 Cordon Number :  5
 Description   : *Rest of Hamilton

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  4111 10565     416.    502     86. 120.7   2.8     506.    762    256. 150.6   7.2     923.   1264    341. 136.9   *02600002 875m  West of Lissette Rd
  5452 10678     317.    472    155. 148.9   5.6     429.    568    139. 132.4   4.4     746.   1040    294. 139.4   *02600009 700m East of Platt Rd
  5614  5613     146.    186     40. 127.4   2.2     150.    213     63. 142.0   3.3     296.    399    103. 134.8   *01B00015 500m past Gordonton Rd/Taylor Rd Intersection
  2822  5485     184.    169    -15.  91.8   0.9     185.    213     28. 115.1   1.4     368.    382     14. 103.8   *01B00024 100m past Holland Rd Intersection
  2688  5712     975.    914    -61.  93.7   1.4     839.    932     93. 111.1   2.2    1815.   1846     31. 101.7   *01N00529 100m Sth of Hopu Hopu Rail Bridge
  5849  6119    1227.    840   -387.  68.5   8.5    1772.   1279   -493.  72.2   8.9    2999.   2119   -880.  70.7   *01N00563 120m Sth of Pickering Rd (Nth bound)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3265.     3881.     7147.
 VOLUME    3083.     3967.     7050.
 CHANGE    -182.       86.      -97.
   %         94.      102.       99.
CORREL.
 COEFF.    0.936     0.934     0.936
 %RMS      35.51     40.39     37.33
  r^2      0.876     0.873     0.876
  GEH        2.3       1.0       0.8

  GEH  <5    <7   <10   <12   >12
  #     8     9    12    12     0
  %  66.7  75.0 100.0 100.0   0.0

 Cordon Number :  6
 Description   : *North

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9559  9719     562.    328   -234.  58.4   7.8     506.    583     77. 115.2   2.3    1068.    911   -157.  85.3   *00200033 By RS peg 32/1
  8830  8305     244.    257     13. 105.3   0.5     275.    328     53. 119.3   2.2     519.    585     66. 112.7   *00200052 650m past Orchard Rd
  8873  3384     315.    341     26. 108.3   1.0     304.    371     67. 122.0   2.5     618.    712     94. 115.2   *00200066 986m past of Awaiti Rd
  8310  3401     358.    413     55. 115.4   1.9     441.    470     29. 106.6   1.0     798.    883     85. 110.7   *00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
  8306  8739     229.    299     70. 130.6   3.1     229.    260     31. 113.5   1.4     458.    559    101. 122.1   *02500021 335m before Hauraki Rd
  8837  8836      48.    115     67. 239.6   5.2      45.    109     64. 242.2   5.2      93.    224    131. 240.9   *02500098 12m before 1st Abut Opitonui Stream Bridge
  8499  9169     134.    224     90. 167.2   4.8     112.    147     35. 131.2   2.1     246.    371    125. 150.8   *02500240 Nth of Gladestone Rd
  8872  2948     207.    251     44. 121.3   2.1     194.    286     92. 147.4   4.2     400.    537    137. 134.2   *02600075 380m past Komata River Bridge
  9964  8308     253.    159    -94.  62.8   4.6     205.    179    -26.  87.3   1.3     458.    338   -120.  73.8   *02700011 Kaihere - Telemetry Site 33
 13522 13646     961.   1565    604. 162.9  12.0    1092.    948   -144.  86.8   3.2    2053.   2513    460. 122.4   *01N20482 400m before Horace Russell Rd (inc=01N10482)
  9179  2984     129.     88    -41.  68.2   2.7     182.    173     -9.  95.1   0.5     311.    261    -50.  83.9   *25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig

Number of links =    11 Number of forward links =    11 Number of back links =    11

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3440.     3585.     7022.
```

```
 VOLUME    4040.     3854.     7894.
 CHANGE     600.      269.      872.
   %        117.      108.      112.
CORREL.
 COEFF.    0.913     0.981     0.976
 %RMS      68.09     21.76     28.69
  r^2      0.834     0.963     0.952
  GEH        6.9       3.1       7.1

  GEH  <5    <7   <10   <12   >12
  #    18    20    21    21     1
  %  81.8  90.9  95.5  95.5   4.5

 Cordon Number :  7
 Description   : *Tauranga

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1028.    710   -318.  69.1   7.6    1359.   1509    150. 111.0   2.8    2387.   2219   -168.  93.0   *00200141 Near Tga RSI Site 23
  9145  8178     442.    452     10. 102.3   0.3     666.    661     -5.  99.2   0.2    1109.   1113      4. 100.4   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
  9138  3925     253.    462    209. 182.6   7.9     258.    218    -40.  84.5   1.8     512.    680    168. 132.8   *03600012 760m Sth of Williams Rd, Pyes Pa
 10798 10800    1009.   1344    335. 133.2   6.9    1024.   1225    201. 119.6   4.2    2033.   2569    536. 126.4   *00200187 Near Tga RSI Site 21

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2732.     3307.     6041.
 VOLUME    2968.     3613.     6581.
 CHANGE     236.      306.      540.
   %        109.      109.      109.
CORREL.
 COEFF.    0.757     0.995     0.942
 %RMS      42.86     17.74     22.41
  r^2      0.573     0.989     0.887
  GEH        3.1       3.7       4.8

  GEH  <5    <7   <10   <12   >12
  #     5     6     8     8     0
  %  62.5  75.0 100.0 100.0   0.0

 Cordon Number :  8
 Description   : *South

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 10727  8529      31.      43     12. 138.7   1.4      23.     24      1. 104.3   0.3      53.     67     14. 126.4   *03200074 West of Taupo - Telemetry Site 43
  8635  8755     499.    468    -31.  93.8   1.0     660.    411   -249.  62.3   7.6    1159.    879   -280.  75.8   *01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
  8578  8416     286.    173   -113.  60.5   5.3     215.    104   -111.  48.4   6.2     501.    277   -224.  55.3   *01N00729 HALLETTS BAY - Telemetry Site 42
  8954 11324    1446.   1370    -76.  94.7   1.4     632.    801    169. 126.7   4.4    2078.   2171     93. 104.5   *01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
  4352  8740     688.    778     90. 113.1   2.4     923.   1444    521. 156.4  10.7    1611.   2222    611. 137.9   *01N00705 100m Nth of SH5 (East to Napier)
  8740  8932     714.    541   -173.  75.8   4.9    1106.   1128     22. 102.0   0.5    1820.   1669   -151.  91.7   *01N00706 300m Sth of State Highway 5 (Napier)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3664.     3559.     7222.
 VOLUME    3373.     3912.     7285.
 CHANGE    -291.      353.       63.
   %         92.      110.      101.
```

```
CORREL.
 COEFF.    0.981     0.903     0.944
 %RMS      17.59     46.16     27.14
  r^2      0.963     0.816     0.891
  GEH        3.5       4.1       0.5

  GEH  <5    <7   <10   <12   >12
  #     8    10    11    12     0
  %  66.7  83.3  91.7 100.0   0.0

 Cordon Number :  9
 Description   : *All RSI
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	2531.	2377	-154.	93.9	2.2	1369.	1377	8.	100.6	0.2	3900.	3754	-146.	96.3	02200001 SH22 East of Great South Road
12141	12150	793.	788	-5.	99.4	0.1	974.	1091	117.	112.0	2.6	1767.	1879	112.	106.3	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	497.	442	-55.	88.9	1.8	922.	895	-27.	97.1	0.7	1419.	1337	-82.	94.2	West St (Btn Fausett & Coronation)
11843	12380	318.	364	46.	114.5	1.8	163.	236	73.	144.8	3.7	481.	600	119.	124.7	Wellington St (Btn Harris & Fairfield)
12338	12266	168.	186	18.	110.7	1.0	94.	79	-15.	84.0	1.2	262.	265	3.	101.1	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	1001.	1017	16.	101.6	0.4	559.	592	33.	105.9	1.0	1560.	1609	49.	103.1	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	902.	377	-525.	41.8	14.7	571.	576	5.	100.9	0.2	1473.	953	-520.	64.7	Massey Avenue (Roulston & Graham)
12108	12116	346.	298	-48.	86.1	1.9	254.	501	247.	197.2	9.0	600.	799	199.	133.2	KING ST NORTH OF MASSEY AVE
11885	11886	64.	9	-55.	14.1	6.6	42.	14	-28.	33.3	3.7	107.	23	-84.	21.5	Birwood Road (Btn Helvetia & Tasman)
12409	11965	227.	231	4.	101.8	0.2	95.	95	0.	100.0	0.0	322.	326	4.	101.2	Princes St West (Btn Helvetia & Duke)
11946	11952	190.	174	-16.	91.6	0.8	249.	86	-163.	34.5	8.9	439.	260	-179.	59.2	Victoria St west (Btn Helvetia & Moloney)
11944	11943	497.	424	-73.	85.3	2.4	922.	795	-127.	86.2	3.1	1419.	1219	-200.	85.9	West St-Pukekohe (btwn Fausett and Coronation) 913m
11573	11610	119.	73	-46.	61.3	3.3	131.	14	-117.	10.7	9.7	250.	87	-163.	34.8	Glasgow road
11819	13804	532.	518	-14.	97.4	0.4	967.	1003	36.	103.7	0.8	1499.	1521	22.	101.5	Puni Rd (Btn Ward & Urban/Rural) 530m
12457	12475	57.	108	51.	189.5	4.1	164.	47	-117.	28.7	8.1	221.	155	-66.	70.1	Anzac Road (Btn Kitchener & Dunnolly) 150m
11712	11535	175.	154	-21.	88.0	1.1	94.	77	-17.	81.9	1.4	269.	231	-38.	85.9	Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
11863	11851	121.	143	22.	118.2	1.4	112.	61	-51.	54.5	4.0	233.	204	-29.	87.6	John St South ((Btn Kitchener & Trevors)
12052	12053	100.	170	70.	170.0	4.3	101.	138	37.	136.6	2.5	201.	308	107.	153.2	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	57.	126	69.	221.1	5.2	92.	48	-44.	52.2	3.7	149.	174	25.	116.8	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	49.	66	17.	134.7	1.7	62.	70	8.	112.9	0.7	111.	136	25.	122.5	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	65.	95	30.	146.2	2.4	75.	108	33.	144.0	2.5	140.	203	63.	145.0	Tuhimata
12030	13801	336.	406	70.	120.8	2.6	216.	141	-75.	65.3	4.0	552.	547	-5.	99.1	Ward St - btn Wellington and Greenlane - 440m
5497	5765	1252.	1126	-126.	89.9	2.6	916.	1048	132.	114.4	3.0	2168.	2174	6.	100.3	*Ngaruawahia Bridge
4795	2723	200.	161	-39.	80.5	2.1	200.	373	173.	186.5	7.2	400.	534	134.	133.5	*Horotiu Bridge - Guess
3526	3652	2798.	2738	-60.	97.9	0.8	1475.	1480	5.	100.3	0.1	4273.	4218	-55.	98.7	*Wairere Dr Bridge RSI 13 WBD
3606	4907	1751.	2145	394.	122.5	6.3	1242.	1062	-180.	85.5	3.8	2993.	3207	214.	107.2	*Fairfield Bridge RSI 14 WBD
6739	3953	2402.	2243	-159.	93.4	2.3	972.	931	-41.	95.8	1.0	3373.	3174	-199.	94.1	*Boundary Rd Bridge RSI 15 WBD
9823	3453	1379.	1409	30.	102.2	0.6	451.	505	54.	112.0	1.7	1830.	1914	84.	104.6	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	1956.	2087	131.	106.7	2.0	1588.	1448	-140.	91.2	2.5	3545.	3535	-10.	99.7	*Bridge St Bridge RSI 17 WBD
3509	3099	2702.	2849	147.	105.4	2.0	1931.	1717	-214.	88.9	3.5	4632.	4566	-66.	98.6	*Cobham Dr Bridge RSI 18 SBD
4657	6296	431.	407	-24.	94.4	0.8	501.	489	-12.	97.6	0.4	932.	896	-36.	96.1	*Narrows Bridge
6541	4542	490.	524	34.	106.9	1.1	1350.	1322	-28.	97.9	0.5	1840.	1846	6.	100.3	*Victoria Bridge (Cambridge)
10228	6171	340.	363	23.	106.8	0.8	599.	874	275.	145.9	7.2	939.	1237	298.	131.7	*Shakepeare Bridge (Cambridge)
4808	10272	999.	1031	32.	103.2	0.7	926.	959	33.	103.6	0.7	1925.	1990	65.	103.4	*SH1 sth of Shakespeare Cambridge
4872	6405	956.	1377	421.	144.0	8.7	814.	786	-28.	96.6	0.7	1770.	2163	393.	122.2	*SH3 nth of Tuere Te Awamutu
8270	10732	218.	324	106.	148.6	4.6	192.	196	4.	102.1	0.2	410.	520	110.	126.8	*SH39 sth of Hanning Piongia
3516	3507	383.	314	-69.	82.0	2.6	125.	276	151.	220.8	7.6	508.	590	82.	116.1	*SH23 wst of Heddon Raglan
9743	9772	1355.	1011	-344.	74.6	7.1	1294.	1540	246.	119.0	4.6	2649.	2551	-98.	96.3	*SH1 sth of Tregoweth Huntly
9264	9923	493.	592	99.	120.1	3.0	441.	639	198.	144.9	6.0	934.	1231	297.	131.8	*SH26 wst of Harbottle
10160	9850	421.	425	4.	101.0	0.1	402.	515	113.	128.1	3.7	823.	940	117.	114.2	*02700065 200m Sth of Matamata Airport Entrance
9145	8178	442.	452	10.	102.3	0.3	666.	661	-5.	99.2	0.2	1109.	1113	4.	100.4	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	292.	161	-131.	55.1	6.2	245.	398	153.	162.4	6.1	538.	559	21.	103.9	*SH5 sth of Maraeroa Rotorua
8528	4051	320.	253	-67.	79.1	2.8	277.	61	-216.	22.0	11.8	597.	314	-283.	52.6	*03000141 155m before Gun Club Rd
8792	8552	287.	151	-136.	52.6	6.5	189.	136	-53.	72.0	2.9	476.	287	-189.	60.3	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	158.	162	4.	102.5	0.2	192.	193	1.	100.5	0.0	350.	355	5.	101.4	*00500138 278m past Crown Rd (Taupo)
8274	8756	102.	131	29.	128.4	1.8	178.	186	8.	104.5	0.4	280.	317	37.	113.2	*SH1 sth of Taupahi Turangi
8273	8522	31.	28	-3.	90.3	0.3	122.	103	-19.	84.4	1.3	153.	131	-22.	85.6	*04700046 242m before State Highway 41

8779	8959	29.	34	5.	117.2	0.8	32.	37	5.	115.6	0.5	61.	71	10.	116.4	*04100029 50m East of Moerangi Rd
8433	9836	228.	319	91.	139.9	3.9	222.	200	-22.	90.1	1.1	450.	519	69.	115.3	*SH3 nth of SH4 Te Kuiti
10134	3506	37.	39	2.	105.4	0.2	54.	16	-38.	29.6	4.5	90.	55	-35.	61.1	*03100022 500m West of Ngutunui Rd
4111	10565	416.	502	86.	120.7	2.8	506.	762	256.	150.6	7.2	923.	1264	341.	136.9	*02600002 875m West of Lissette Rd
5452	10678	317.	472	155.	148.9	5.6	429.	568	139.	132.4	4.4	746.	1040	294.	139.4	*02600009 700m East of Platt Rd
5614	5613	146.	186	40.	127.4	2.2	150.	213	63.	142.0	3.3	296.	399	103.	134.8	*01B00015 500m past Gordonton Rd/Taylor Rd Intersection
2822	5485	184.	169	-15.	91.8	0.9	185.	213	28.	115.1	1.4	368.	382	14.	103.8	*01B00024 100m past Holland Rd Intersection
2688	5712	975.	914	-61.	93.7	1.4	839.	932	93.	111.1	2.2	1815.	1846	31.	101.7	*01N00529 100m Sth of Hopu Hopu Rail Bridge
5849	6119	1227.	840	-387.	68.5	8.5	1772.	1279	-493.	72.2	8.9	2999.	2119	-880.	70.7	*01N00563 120m Sth of Pickering Rd (Nth bound)
9559	9719	562.	328	-234.	58.4	7.8	506.	583	77.	115.2	2.3	1068.	911	-157.	85.3	*00200033 By RS peg 32/1
8830	8305	244.	257	13.	105.3	0.5	275.	328	53.	119.3	2.2	519.	585	66.	112.7	*00200052 650m past Orchard Rd
8873	3384	315.	341	26.	108.3	1.0	304.	371	67.	122.0	2.5	618.	712	94.	115.2	*00200066 986m past of Awaiti Rd
8310	3401	358.	413	55.	115.4	1.9	441.	470	29.	106.6	1.0	798.	883	85.	110.7	*00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
8306	8739	229.	299	70.	130.6	3.1	229.	260	31.	113.5	1.4	458.	559	101.	122.1	*02500021 335m before Hauraki Rd
8837	8836	48.	115	67.	239.6	5.2	45.	109	64.	242.2	5.2	93.	224	131.	240.9	*02500098 12m before 1st Abut Opitonui Stream Bridge
8499	9169	134.	224	90.	167.2	4.8	112.	147	35.	131.2	2.1	246.	371	125.	150.8	*02500240 Nth of Gladestone Rd
8872	2948	207.	251	44.	121.3	2.1	194.	286	92.	147.4	4.2	400.	537	137.	134.2	*02600075 380m past Komata River Bridge
9964	8308	253.	159	-94.	62.8	4.6	205.	179	-26.	87.3	1.3	458.	338	-120.	73.8	*02700011 Kaihere - Telemetry Site 33
13522	13646	961.	1565	604.	162.9	12.0	1092.	948	-144.	86.8	3.2	2053.	2513	460.	122.4	*01N20482 400m before Horace Russell Rd (inc=01N10482)
9179	2984	129.	88	-41.	68.2	2.7	182.	173	-9.	95.1	0.5	311.	261	-50.	83.9	*25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest Park sig
8728	3611	1028.	710	-318.	69.1	7.6	1359.	1509	150.	111.0	2.8	2387.	2219	-168.	93.0	*00200141 Near Tga RSI Site 23
9138	3925	253.	462	209.	182.6	7.9	258.	218	-40.	84.5	1.8	512.	680	168.	132.8	*03600012 760m Sth of Williams Rd, Pyes Pa
10798	10800	1009.	1344	335.	133.2	6.9	1024.	1225	201.	119.6	4.2	2033.	2569	536.	126.4	*00200187 Near Tga RSI Site 21
10727	8529	31.	43	12.	138.7	1.4	23.	24	1.	104.3	0.3	53.	67	14.	126.4	*03200074 West of Taupo - Telemetry Site 43
8635	8755	499.	468	-31.	93.8	1.0	660.	411	-249.	62.3	7.6	1159.	879	-280.	75.8	*01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
8578	8416	286.	173	-113.	60.5	5.3	215.	104	-111.	48.4	6.2	501.	277	-224.	55.3	*01N00729 HALLETTS BAY - Telemetry Site 42
8954	11324	1446.	1370	-76.	94.7	1.4	632.	801	169.	126.7	4.4	2078.	2171	93.	104.5	*01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
4352	8740	688.	778	90.	113.1	2.4	923.	1444	521.	156.4	10.7	1611.	2222	611.	137.9	*01N00705 100m Nth of SH5 (East to Napier)
8740	8932	714.	541	-173.	75.8	4.9	1106.	1128	22.	102.0	0.5	1820.	1669	-151.	91.7	*01N00706 300m Sth of State Highway 5 (Napier)

Number of links = 76 Number of forward links = 76 Number of back links = 76

TOTALS	FORWARD	BACK	TOTALS
COUNT	44256.	39490.	83745.
VOLUME	44414.	40880.	85294.
CHANGE	158.	1390.	1549.
%	100.	104.	102.
CORREL.			
COEFF.	0.970	0.958	0.981
%RMS	27.39	26.64	19.09
r^2	0.941	0.918	0.962
GEH	0.5	4.9	3.8

GEH	<5	<7	<10	<12	>12
#	119	132	148	150	2
%	78.3	86.8	97.4	98.7	1.3

Cordon Number : 10
Description : * Railway

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	3296	87.	165	78.	189.7	4.9	48.	92	44.	191.7	3.7	136.	257	121.	189.0	*Ruffell Rd north of Te Kowhat Rd 176
3287	3512	648.	419	-229.	64.7	7.0	381.	195	-186.	51.2	7.8	1029.	614	-415.	59.7	*Te Kowhai Rd east of Tasman Rd 166
3483	3480	2159.	2136	-23.	98.9	0.3	1801.	2116	315.	117.5	5.0	3960.	4252	292.	107.4	*SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97
3476	4904	1632.	894	-738.	54.8	14.7	1222.	780	-442.	63.8	9.9	2854.	1674	-1180.	58.7	*Forest Lake Rd railway underpass 63/64 2-Aug
4721	3456	537.	990	453.	184.4	11.6	1171.	867	-304.	74.0	6.7	1708.	1857	149.	108.7	*Norton Rd at railways 718 11-May 67
8209	6664	2600.	2388	-212.	91.8	3.0	1594.	1032	-562.	64.7	11.0	4194.	3420	-774.	81.5	*Hall St Overpass 729 19-APR
5199	2654	1260.	899	-361.	71.3	7.8	916.	709	-207.	77.4	5.2	2176.	1608	-568.	73.9	*Killarney Rd-railway crossing 141 9-Nov
3175	4709	1682.	1343	-339.	79.8	6.2	1797.	1982	185.	110.3	3.0	3479.	3325	-154.	95.6	*01N00552 120m east of railyway crossing

```
  3168  4788     412.    332    -80.  80.6   2.9     161.    203     42. 126.1   2.2     573.    535    -38.  93.4   *Collins Rd-railway crossing 149 18-Sep          10:00 Friday, 8
September 2006

Number of links =     9 Number of forward links =     9 Number of back links =     9

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    11017.     9091.    20109.
 VOLUME    9566.     7976.    17542.
 CHANGE   -1451.    -1115.    -2567.
   %         87.       88.       87.
CORREL.
 COEFF.    0.923     0.919     0.945
 %RMS      30.37     31.66     25.68
  r^2      0.853     0.844     0.892
  GEH       10.1       8.5      13.2

  GEH  <5    <7   <10   <12   >12
  #     7    11    15    17     1
  %  38.9  61.1  83.3  94.4   5.6

 Cordon Number : 11
 Description   : *  East

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  2556 10696     444.    312   -132.  70.3   4.8     410.    413      3. 100.7   0.1     854.    725   -129.  84.9   *Puketaha Rd 261
  7120  2995      48.     66     18. 137.5   1.7      20.     31     11. 155.0   1.4      68.     97     29. 142.6   *Fairview St btw Carrs&Watson 266
  5131  6908      78.    134     56. 171.8   3.8     307.    377     70. 122.8   2.7     385.    511    126. 132.7   *Alderson St btw Tramway&Fairview 269
  5127  7024     186.    167    -19.  89.8   1.1     605.    477   -128.  78.8   3.9     791.    644   -147.  81.4   *Powells Rd btw Tramway&Fairview 270
  3921  3920     375.    385     10. 102.7   0.4     733.    637    -96.  86.9   2.6    1108.   1022    -86.  92.2   *Ruakura Rd east of Silverdale 155
  4111 10565     416.    502     86. 120.7   2.8     506.    762    256. 150.6   7.2     923.   1264    341. 136.9   *02600002 875m  West of Lissette Rd

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     1547.     2581.     4129.
 VOLUME    1566.     2697.     4263.
 CHANGE      19.      116.      134.
   %        101.      104.      103.
CORREL.
 COEFF.    0.904     0.850     0.889
 %RMS      29.41     32.24     27.47
  r^2      0.817     0.723     0.791
  GEH        0.4       1.6       1.5

  GEH  <5    <7   <10   <12   >12
  #    11    11    12    12     0
  %  91.7  91.7 100.0 100.0   0.0

 Cordon Number : 12
 Description   : *  North

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3480  3488    2198.   2357     159. 107.2   2.3    2287.   1747   -540.  76.4   8.5    4485.   4104   -381.  91.5   *01N00546 North of Avalon/Te Rapa
  3644  3938     567.    673     106. 118.7   3.0     700.   1213    513. 173.3  11.7    1267.   1886    619. 148.9   *Pukete Rd btw Cullimore&Wairere 255
  3477  5195     207.     66    -141.  31.9   8.5     269.    130   -139.  48.3   6.9     476.    196   -280.  41.2   *Totara Dr at the overbridge 196
  3588  3589     628.    502    -126.  79.9   3.7    1797.   1157   -640.  64.4  11.8    2425.   1659   -766.  68.4   *River Rd north of Wairere Dr 189
  3503  2767     768.    528    -240.  68.8   6.7     973.   1278    305. 131.3   6.5    1741.   1806     65. 103.7   *Resolution Dr north of wairere dr 188                ?
  3545  4328     680.    664     -16.  97.6   0.4     978.   1120    142. 114.5   3.1    1657.   1784    127. 107.7   *Hukanui Rd north of Wairere Dr 264/416
```

```
  2556  2523     946.    649   -297.  68.6   7.5     564.    448   -116.  79.4   3.6    1511.   1097   -414.  72.6   *Gordonton Rd btw Crosby&Greenhill                    change the count
statio

Number of links =     7 Number of forward links =     7 Number of back links =     7

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     5994.     7568.    13562.
 VOLUME    5439.     7093.    12532.
 CHANGE    -555.     -475.    -1030.
   %         91.       94.      92.
CORREL.
 COEFF.    0.978     0.806     0.934
 %RMS      22.28     39.79     24.80
  r^2      0.957     0.650     0.872
  GEH        5.2       3.9       6.4

  GEH  <5    <7   <10   <12   >12
  #     6     9    12    14     0
  %  42.9  64.3  85.7 100.0   0.0

 Cordon Number : 13
 Description   : *  South

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3336  4906     823.    744    -79.  90.4   2.0     507.    362   -145.  71.4   4.9    1330.   1106   -224.  83.2   *Tuhikaramea Rd by speed limit sign 752
  3770  4763    1761.   2327    566. 132.1   8.9     886.    852    -34.  96.2   0.8    2647.   3179    532. 120.1   *Ohaupo Rd 200m north of Normandy 133
  2647  8214    2434.   1941   -493.  79.7   7.5     986.   1114    128. 113.0   2.8    3420.   3055   -365.  89.3   *Normandy Ave north of Bader St
  3587  4157    2799.   2294   -505.  82.0   7.1    1808.   1317   -491.  72.8   8.8    4607.   3611   -996.  78.4   *01N10558 135m north of Riverlea Rd
  4113  2899     220.    161    -59.  73.2   3.1     673.    470   -203.  69.8   6.0     894.    631   -263.  70.6   *Matangi Rd at bridge 151

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     8037.     4860.    12898.
 VOLUME    7467.     4115.    11582.
 CHANGE    -570.     -745.    -1316.
   %         93.       85.      90.
CORREL.
 COEFF.    0.915     0.894     0.935
 %RMS      28.31     29.14     23.96
  r^2      0.836     0.799     0.874
  GEH        4.6       7.9       8.4

  GEH  <5    <7   <10   <12   >12
  #     5     6    10    10     0
  %  50.0  60.0 100.0 100.0   0.0

 Cordon Number : 14
 Description   : *Cambridge Counts  (NB/EB FIRST)

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  6531  6544    1587.   1437   -150.  90.5   2.7    1213.   1359    146. 112.0   2.9    2800.   2796     -4.  99.9   Victoria St (Queen/Whitaker)          ITM scaled to 2hr
1.65
  4449  4470     462.    535     73. 115.8   2.3     403.    532    129. 132.0   4.3     865.   1067    202. 123.4   Victoria Rd(Taylor/Hautapu)           ITM scaled to 2hr
  2724  5400     116.     91    -25.  78.4   1.8     170.    198     28. 116.5   1.5     286.    289      3. 101.0   Thornton Rd (Victoria/Grosvenor)
  5690  5849    1227.    838   -389.  68.3   8.5    1772.   1279   -493.  72.2   8.9    2999.   2117   -882.  70.6   SH1n 120m south of Pickering Rd       01N00563                  Avg of
06
```

Number of links = 4 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	3392.	3558.	6950.
VOLUME	2901.	3368.	6269.
CHANGE	-491.	-190.	-681.
%	86.	95.	90.
CORREL.			
COEFF.	0.964	0.926	0.944
%RMS	28.87	34.46	30.07
r^2	0.930	0.858	0.891
GEH	6.2	2.3	5.9

GEH	<5	<7	<10	<12	>12
#	6	6	8	8	0
%	75.0	75.0	100.0	100.0	0.0

Cordon Number : 15
Description : *Te Awamutu Counts

		FORWARD					BACK					TOTAL					
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
10684	2621	1280.	1183	-97.	92.4	2.0	749.	453	-296.	60.5	8.5	2029.	1636	-393.	80.6	SH3 1510m past SH21	00300012 08.11.06proxy
2504	4148	173.	162	-11.	93.6	0.5	215.	132	-83.	61.4	4.4	388.	294	-94.	75.8	Bond Rd 30m nth of Rogers Pl	2008 counts provided by J Winter, scaled
6178	6214	370.	271	-99.	73.2	4.0	329.	202	-127.	61.4	5.5	698.	473	-225.	67.8	18000m Cambridge Rd Rural	115 CAMBRIDGE 27Nov2006.EC022.11.06
5418	6206	720.	661	-59.	91.8	1.6	784.	693	-91.	88.4	2.4	1504.	1354	-150.	90.0	Alexandra St	068 ALEXANDRA 05Dec2006.EC029.11.06
5926	6136	141.	166	25.	117.7	1.5	152.	124	-28.	81.6	1.7	293.	290	-3.	99.0	Bridgman Rd	010 BRIDGMAN 03Nov2006.EC0 25.10.06
4510	2824	557.	775	218.	139.1	6.0	555.	459	-96.	82.7	3.0	1112.	1234	122.	111.0	200m sth of Cambridge Rd RAB	00300027 11.10.06

Number of links = 6 Number of forward links = 6 Number of back links = 6

TOTALS	FORWARD	BACK	TOTALS
COUNT	3241.	2784.	6024.
VOLUME	3218.	2063.	5281.
CHANGE	-23.	-721.	-743.
%	99.	74.	88.
CORREL.			
COEFF.	0.960	0.947	0.969
%RMS	22.05	34.61	22.33
r^2	0.922	0.897	0.938
GEH	0.3	10.4	7.0

GEH	<5	<7	<10	<12	>12
#	9	11	12	12	0
%	75.0	91.7	100.0	100.0	0.0

Cordon Number : 16
Description : * Bombay Hills

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11582	9564	632.	295	-337.	46.7	11.1	657.	670	13.	102.0	0.4	1289.	965	-324.	74.9	*00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
13672	13500	2043.	2334	291.	114.2	4.4	No Back Link Present .					2043.	2334	291.	114.2	*01N10474 Bombay-Telemetry No Site 72-SB NB
13784	13500	No Forward Link Present .					1838.	1395	-443.	75.9	7.8	1838.	1395	-443.	75.9	*01N10474 Bombay-Telemetry No Site 72-SB SB

```
Number of links =     3 Number of forward links =     2 Number of back links =     2

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2675.     2495.     5170.
 VOLUME    2629.     2065.     4694.
 CHANGE     -46.     -430.     -476.
   %         98.       83.       91.
CORREL.
 COEFF.    1.000     1.000     0.892
 %RMS      33.29     35.53     25.49
  r^2      1.000     1.000     0.796
  GEH        0.6       6.4       4.8

  GEH  <5    <7   <10   <12   >12
  #     2     2     3     4     0
  %  50.0  50.0  75.0 100.0   0.0

 Cordon Number : 17
 Description   : *  Crossing btw Waikato and BOP

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1028.    710   -318.  69.1   7.6    1359.   1509    150. 111.0   2.8    2387.   2219   -168.  93.0   *00200141 Near Tga RSI Site 23
  9145  8178     442.    452     10. 102.3   0.3     666.    661     -5.  99.2   0.2    1109.   1113      4. 100.4   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
 10206  9110     292.    161   -131.  55.1   6.2     245.    398    153. 162.4   6.1     538.    559     21. 103.9   *SH5 sth of Maraeroa Rotorua
  8528  4051     320.    253    -67.  79.1   2.8     277.     61   -216.  22.0  11.8     597.    314   -283.  52.6   *03000141 155m before Gun Club Rd
  8810 10726     339.    313    -26.  92.3   1.0     289.    163   -126.  56.4   5.9     627.    476   -151.  75.9   *00500082 520M Sth of ERP 77/3.70, Waiotapu

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2421.     2836.     5258.
 VOLUME    1889.     2792.     4681.
 CHANGE    -532.      -44.     -577.
   %         78.       98.       89.
CORREL.
 COEFF.    0.942     0.971     0.987
 %RMS      36.30     29.03     17.25
  r^2      0.888     0.942     0.973
  GEH        8.1       0.6       5.8

  GEH  <5    <7   <10   <12   >12
  #     5     8     9    10     0
  %  50.0  80.0  90.0 100.0   0.0

 Cordon Number : 18
 Description   : *  North Waikato Lateral

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9645  9627     944.    973     29. 103.1   0.6     915.    705   -210.  77.0   5.2    1860.   1678   -182.  90.2   *01N00509 685m Sth of Tahuna Overbridge, Rangiriri
  9964  8308     253.    159    -94.  62.8   4.6     205.    179    -26.  87.3   1.3     458.    338   -120.  73.8   *02700011 Kaihere - Telemetry Site 33
  8455  9868     334.    478    144. 143.1   5.1     403.    616    213. 152.9   6.7     737.   1094    357. 148.4   *02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
  8698  8281     259.    389    130. 150.2   5.1     332.    497    165. 149.7   5.7     591.    886    295. 149.9   *00200098 200m Sth of Trigg Rd

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS
```

```
 COUNT     1790.     1855.     3646.
 VOLUME    1999.     1997.     3996.
 CHANGE     209.      142.      350.
   %        112.      108.      110.
CORREL.
 COEFF.    0.947     0.786     0.903
 %RMS      28.06     42.65     32.42
  r^2      0.897     0.617     0.815
  GEH        3.4       2.3       4.0

  GEH  <5    <7   <10   <12   >12
  #     3     8     8     8     0
  %  37.5 100.0 100.0 100.0   0.0

 Cordon Number : 19
 Description   : *  Coromandel Peninsula

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8832  9232     118.    146     28. 123.7   1.7     333.    380     47. 114.1   1.8     451.    526     75. 116.6   *02500036 Speed Restriction Sign (Whakatete Bay Sth end)
  8854  8642     166.    120    -46.  72.3   2.7     107.     74    -33.  69.2   2.4     273.    194    -79.  71.1   *02500177 Swampy Stream Bridge

Number of links =     2 Number of forward links =     2 Number of back links =     2

 TOTALS   FORWARD    BACK      TOTALS

 COUNT      284.      440.      724.
 VOLUME     266.      454.      720.
 CHANGE     -18.       14.       -4.
   %         94.      103.       99.
CORREL.
 COEFF.   -1.000     1.000     1.000
 %RMS      37.92     26.10     30.09
  r^2      1.000     1.000     1.000
  GEH        0.8       0.5       0.1

  GEH  <5    <7   <10   <12   >12
  #     4     4     4     4     0
  % 100.0 100.0 100.0 100.0   0.0


 Cordon Number : 20
 Description   : * ALL WRTM CORDONS

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 11501 11500    2531.   2377   -154.  93.9   2.2    1369.   1377      8. 100.6   0.2    3900.   3754   -146.  96.3   02200001 SH22 East of Great South Road
 12141 12150     793.    788     -5.  99.4   0.1     974.   1091    117. 112.0   2.6    1767.   1879    112. 106.3   02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
 12418 11888     497.    442    -55.  88.9   1.8     922.    895    -27.  97.1   0.7    1419.   1337    -82.  94.2   West St (Btn Fausett & Coronation)
 11843 12380     318.    364     46. 114.5   1.8     163.    236     73. 144.8   3.7     481.    600    119. 124.7   Wellington St (Btn Harris & Fairfield)
 12338 12266     168.    186     18. 110.7   1.0      94.     79    -15.  84.0   1.2     262.    265      3. 101.1   Adams Rd (Btn Paerata Sth & Keith) 45m
 11527 11612    1001.   1017     16. 101.6   0.4     559.    592     33. 105.9   1.0    1560.   1609     49. 103.1   Manukau Rd (btwn Kitchener and Harris) 1245m
 11903 11907     902.    377   -525.  41.8  14.7     571.    576      5. 100.9   0.2    1473.    953   -520.  64.7   Massey Avenue (Roulston & Graham)
 12108 12116     346.    298    -48.  86.1   1.9     254.    501    247. 197.2   9.0     600.    799    199. 133.2   KING ST NORTH OF MASSEY AVE
 11885 11886      64.      9    -55.  14.1   6.6      42.     14    -28.  33.3   3.7     107.     23    -84.  21.5   Birwood Road (Btn Helvetia & Tasman)
 12409 11965     227.    231      4. 101.8   0.2      95.     95      0. 100.0   0.0     322.    326      4. 101.2   Princes St West (Btn Helvetia & Duke)
 11946 11952     190.    174    -16.  91.6   0.8     249.     86   -163.  34.5   8.9     439.    260   -179.  59.2   Victoria St west (Btn Helvetia & Moloney)
 11944 11943     497.    424    -73.  85.3   2.4     922.    795   -127.  86.2   3.1    1419.   1219   -200.  85.9   West St-Pukekohe (btwn Fausett and Coronation) 913m
 11573 11610     119.     73    -46.  61.3   3.3     131.     14   -117.  10.7   9.7     250.     87   -163.  34.8   Glasgow road
 11819 13804     532.    518    -14.  97.4   0.4     967.   1003     36. 103.7   0.8    1499.   1521     22. 101.5   Puni Rd (Btn Ward & Urban/Rural) 530m
 12457 12475      57.    108     51. 189.5   4.1     164.     47   -117.  28.7   8.1     221.    155    -66.  70.1   Anzac Road (Btn Kitchener & Dunnolly) 150m
```

11712	11535	175.	154	-21.	88.0	1.1	94.	77	-17.	81.9	1.4	269.	231	-38.	85.9	Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
11863	11851	121.	143	22.	118.2	1.4	112.	61	-51.	54.5	4.0	233.	204	-29.	87.6	John St South ((Btn Kitchener & Trevors)
12052	12053	100.	170	70.	170.0	4.3	101.	138	37.	136.6	2.5	201.	308	107.	153.2	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	57.	126	69.	221.1	5.2	92.	48	-44.	52.2	3.7	149.	174	25.	116.8	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	49.	66	17.	134.7	1.7	62.	70	8.	112.9	0.7	111.	136	25.	122.5	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	65.	95	30.	146.2	2.4	75.	108	33.	144.0	2.5	140.	203	63.	145.0	Tuhimata
12030	13801	336.	406	70.	120.8	2.6	216.	141	-75.	65.3	4.0	552.	547	-5.	99.1	Ward St - btn Wellington and Greenlane - 440m
5497	5765	1252.	1126	-126.	89.9	2.6	916.	1048	132.	114.4	3.0	2168.	2174	6.	100.3	*Ngaruawahia Bridge
4795	2723	200.	161	-39.	80.5	2.1	200.	373	173.	186.5	7.2	400.	534	134.	133.5	*Horotiu Bridge - Guess
3526	3652	2798.	2738	-60.	97.9	0.8	1475.	1480	5.	100.3	0.1	4273.	4218	-55.	98.7	*Wairere Dr Bridge RSI 13 WBD
3606	4907	1751.	2145	394.	122.5	6.3	1242.	1062	-180.	85.5	3.8	2993.	3207	214.	107.2	*Fairfield Bridge RSI 14 WBD
6739	3953	2402.	2243	-159.	93.4	2.3	972.	931	-41.	95.8	1.0	3373.	3174	-199.	94.1	*Boundary Rd Bridge RSI 15 WBD
9823	3453	1379.	1409	30.	102.2	0.6	451.	505	54.	112.0	1.7	1830.	1914	84.	104.6	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	1956.	2087	131.	106.7	2.0	1588.	1448	-140.	91.2	2.5	3545.	3535	-10.	99.7	*Bridge St Bridge RSI 17 WBD
3509	3099	2702.	2849	147.	105.4	2.0	1931.	1717	-214.	88.9	3.5	4632.	4566	-66.	98.6	*Cobham Dr Bridge RSI 18 SBD
4657	6296	431.	407	-24.	94.4	0.8	501.	489	-12.	97.6	0.4	932.	896	-36.	96.1	*Narrows Bridge
6541	4542	490.	524	34.	106.9	1.1	1350.	1322	-28.	97.9	0.5	1840.	1846	6.	100.3	*Victoria Bridge (Cambridge)
10228	6171	340.	363	23.	106.8	0.8	599.	874	275.	145.9	7.2	939.	1237	298.	131.7	*Shakepeare Bridge (Cambridge)
4808	10272	999.	1031	32.	103.2	0.7	926.	959	33.	103.6	0.7	1925.	1990	65.	103.4	*SH1 sth of Shakespeare Cambridge
4872	6405	956.	1377	421.	144.0	8.7	814.	786	-28.	96.6	0.7	1770.	2163	393.	122.2	*SH3 nth of Tuere Te Awamutu
8270	10732	218.	324	106.	148.6	4.6	192.	196	4.	102.1	0.2	410.	520	110.	126.8	*SH39 sth of Hanning Piongia
3516	3507	383.	314	-69.	82.0	2.6	125.	276	151.	220.8	7.6	508.	590	82.	116.1	*SH23 wst of Heddon Raglan
9743	9772	1355.	1011	-344.	74.6	7.1	1294.	1540	246.	119.0	4.6	2649.	2551	-98.	96.3	*SH1 sth of Tregoweth Huntly
9264	9923	493.	592	99.	120.1	3.0	441.	639	198.	144.9	6.0	934.	1231	297.	131.8	*SH26 wst of Harbottle
10160	9850	421.	425	4.	101.0	0.1	402.	515	113.	128.1	3.7	823.	940	117.	114.2	*02700065 200m Sth of Matamata Airport Entrance
9145	8178	442.	452	10.	102.3	0.3	666.	661	-5.	99.2	0.2	1109.	1113	4.	100.4	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	292.	161	-131.	55.1	6.2	245.	398	153.	162.4	6.1	538.	559	21.	103.9	*SH5 sth of Maraeroa Rotorua
8528	4051	320.	253	-67.	79.1	2.8	277.	61	-216.	22.0	11.8	597.	314	-283.	52.6	*03000141 155m before Gun Club Rd
8792	8552	287.	151	-136.	52.6	6.5	189.	136	-53.	72.0	2.9	476.	287	-189.	60.3	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	158.	162	4.	102.5	0.2	192.	193	1.	100.5	0.0	350.	355	5.	101.4	*00500138 278m past Crown Rd (Taupo)
8274	8756	102.	131	29.	128.4	1.8	178.	186	8.	104.5	0.4	280.	317	37.	113.2	*SH1 sth of Taupahi Turangi
8273	8522	31.	28	-3.	90.3	0.3	122.	103	-19.	84.4	1.3	153.	131	-22.	85.6	*04700046 242m before State Highway 41
8779	8959	29.	34	5.	117.2	0.8	32.	37	5.	115.6	0.5	61.	71	10.	116.4	*04100029 50m East of Moerangi Rd
8433	9836	228.	319	91.	139.9	3.9	222.	200	-22.	90.1	1.1	450.	519	69.	115.3	*SH3 nth of SH4 Te Kuiti
10134	3506	37.	39	2.	105.4	0.2	54.	16	-38.	29.6	4.5	90.	55	-35.	61.1	*03100022 500m West of Ngutunui Rd
4111	10565	416.	502	86.	120.7	2.8	506.	762	256.	150.6	7.2	923.	1264	341.	136.9	*02600002 875m West of Lissette Rd
5452	10678	317.	472	155.	148.9	5.6	429.	568	139.	132.4	4.4	746.	1040	294.	139.4	*02600009 700m East of Platt Rd
5614	5613	146.	186	40.	127.4	2.2	150.	213	63.	142.0	3.3	296.	399	103.	134.8	*01B00015 500m past Gordonton Rd/Taylor Rd Intersection
2822	5485	184.	169	-15.	91.8	0.9	185.	213	28.	115.1	1.4	368.	382	14.	103.8	*01B00024 100m past Holland Rd Intersection
2688	5712	975.	914	-61.	93.7	1.4	839.	932	93.	111.1	2.2	1815.	1846	31.	101.7	*01N00529 100m Sth of Hopu Hopu Rail Bridge
5849	6119	1227.	840	-387.	68.5	8.5	1772.	1279	-493.	72.2	8.9	2999.	2119	-880.	70.7	*01N00563 120m Sth of Pickering Rd (Nth bound)
9559	9719	562.	328	-234.	58.4	7.8	506.	583	77.	115.2	2.3	1068.	911	-157.	85.3	*00200033 By RS peg 32/1
8830	8305	244.	257	13.	105.3	0.5	275.	328	53.	119.3	2.2	519.	585	66.	112.7	*00200052 650m past Orchard Rd
8873	3384	315.	341	26.	108.3	1.0	304.	371	67.	122.0	2.5	618.	712	94.	115.2	*00200066 986m past of Awaiti Rd
8310	3401	358.	413	55.	115.4	1.9	441.	470	29.	106.6	1.0	798.	883	85.	110.7	*00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
8306	8739	229.	299	70.	130.6	3.1	229.	260	31.	113.5	1.4	458.	559	101.	122.1	*02500021 335m before Hauraki Rd
8837	8836	48.	115	67.	239.6	5.2	45.	109	64.	242.2	5.2	93.	224	131.	240.9	*02500098 12m before 1st Abut Opitonui Stream Bridge
8499	9169	134.	224	90.	167.2	4.8	112.	147	35.	131.2	2.1	246.	371	125.	150.8	*02500240 Nth of Gladestone Rd
8872	2948	207.	251	44.	121.3	2.1	194.	286	92.	147.4	4.2	400.	537	137.	134.2	*02600075 380m past Komata River Bridge
9964	8308	253.	159	-94.	62.8	4.6	205.	179	-26.	87.3	1.3	458.	338	-120.	73.8	*02700011 Kaihere - Telemetry Site 33
13522	13646	961.	1565	604.	162.9	12.0	1092.	948	-144.	86.8	3.2	2053.	2513	460.	122.4	*01N20482 400m before Horace Russell Rd (inc=01N10482)
9179	2984	129.	88	-41.	68.2	2.7	182.	173	-9.	95.1	0.5	311.	261	-50.	83.9	*25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig																
8728	3611	1028.	710	-318.	69.1	7.6	1359.	1509	150.	111.0	2.8	2387.	2219	-168.	93.0	*00200141 Near Tga RSI Site 23
9138	3925	253.	462	209.	182.6	7.9	258.	218	-40.	84.5	1.8	512.	680	168.	132.8	*03600012 760m Sth of Williams Rd, Pyes Pa
10798	10800	1009.	1344	335.	133.2	6.9	1024.	1225	201.	119.6	4.2	2033.	2569	536.	126.4	*00200187 Near Tga RSI Site 21
10727	8529	31.	43	12.	138.7	1.4	23.	24	1.	104.3	0.3	53.	67	14.	126.4	*03200074 West of Taupo - Telemetry Site 43
8635	8755	499.	468	-31.	93.8	1.0	660.	411	-249.	62.3	7.6	1159.	879	-280.	75.8	*01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
8578	8416	286.	173	-113.	60.5	5.3	215.	104	-111.	48.4	6.2	501.	277	-224.	55.3	*01N00729 HALLETTS BAY - Telemetry Site 42
8954	11324	1446.	1370	-76.	94.7	1.4	632.	801	169.	126.7	4.4	2078.	2171	93.	104.5	*01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
4352	8740	688.	778	90.	113.1	2.4	923.	1444	521.	156.4	10.7	1611.	2222	611.	137.9	*01N00705 100m Nth of SH5 (East to Napier)
8740	8932	714.	541	-173.	75.8	4.9	1106.	1128	22.	102.0	0.5	1820.	1669	-151.	91.7	*01N00706 300m Sth of State Highway 5 (Napier)
7164	3296	87.	165	78.	189.7	4.9	48.	92	44.	191.7	3.7	136.	257	121.	189.0	*Ruffell Rd north of Te Kowhat Rd 176

```
  3287  3512     648.    419   -229.  64.7   7.0     381.    195   -186.  51.2   7.8    1029.    614   -415.  59.7   *Te Kowhai Rd east of Tasman Rd 166
  3483  3480    2159.   2136    -23.  98.9   0.3    1801.   2116    315. 117.5   5.0    3960.   4252    292. 107.4   *SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97
  3476  4904    1632.    894   -738.  54.8  14.7    1222.    780   -442.  63.8   9.9    2854.   1674  -1180.  58.7   *Forest Lake Rd railway underpass 63/64 2-Aug
  4721  3456     537.    990    453. 184.4  11.6    1171.    867   -304.  74.0   6.7    1708.   1857    149. 108.7   *Norton Rd at railways 718 11-May                                67
  8209  6664    2600.   2388   -212.  91.8   3.0    1594.   1032   -562.  64.7  11.0    4194.   3420   -774.  81.5   *Hall St Overpass 729 19-APR
  5199  2654    1260.    899   -361.  71.3   7.8     916.    709   -207.  77.4   5.2    2176.   1608   -568.  73.9   *Killarney Rd-railway crossing 141 9-Nov
  3175  4709    1682.   1343   -339.  79.8   6.2    1797.   1982    185. 110.3   3.0    3479.   3325   -154.  95.6   *01N00552 120m east of railyway crossing
  3168  4788     412.    332    -80.  80.6   2.9     161.    203     42. 126.1   2.2     573.    535    -38.  93.4   *Collins Rd-railway crossing 149 18-Sep          10:00 Friday, 8
September 2006
  2556 10696     444.    312   -132.  70.3   4.8     410.    413      3. 100.7   0.1     854.    725   -129.  84.9   *Puketaha Rd 261
  7120  2995      48.     66     18. 137.5   1.7      20.     31     11. 155.0   1.4      68.     97     29. 142.6   *Fairview St btw Carrs&Watson 266
  5131  6908      78.    134     56. 171.8   3.8     307.    377     70. 122.8   2.7     385.    511    126. 132.7   *Alderson St btw Tramway&Fairview 269
  5127  7024     186.    167    -19.  89.8   1.1     605.    477   -128.  78.8   3.9     791.    644   -147.  81.4   *Powells Rd btw Tramway&Fairview 270
  3921  3920     375.    385     10. 102.7   0.4     733.    637    -96.  86.9   2.6    1108.   1022    -86.  92.2   *Ruakura Rd east of Silverdale 155
  3480  3488    2198.   2357    159. 107.2   2.3    2287.   1747   -540.  76.4   8.5    4485.   4104   -381.  91.5   *01N00546 North of Avalon/Te Rapa
  3644  3938     567.    673    106. 118.7   3.0     700.   1213    513. 173.3  11.7    1267.   1886    619. 148.9   *Pukete Rd btw Cullimore&Wairere 255
  3477  5195     207.     66   -141.  31.9   8.5     269.    130   -139.  48.3   6.9     476.    196   -280.  41.2   *Totara Dr at the overbridge 196
  3588  3589     628.    502   -126.  79.9   3.7    1797.   1157   -640.  64.4  11.8    2425.   1659   -766.  68.4   *River Rd north of Wairere Dr 189
  3503  2767     768.    528   -240.  68.8   6.7     973.   1278    305. 131.3   6.5    1741.   1806     65. 103.7   *Resolution Dr north of wairere dr 188                  ?
  3545  4328     680.    664    -16.  97.6   0.4     978.   1120    142. 114.5   3.1    1657.   1784    127. 107.7   *Hukanui Rd north of Wairere Dr 264/416
  2556  2523     946.    649   -297.  68.6   7.5     564.    448   -116.  79.4   3.6    1511.   1097   -414.  72.6   *Gordonton Rd btw Crosby&Greenhill                      change the count
statio
  3336  4906     823.    744    -79.  90.4   2.0     507.    362   -145.  71.4   4.9    1330.   1106   -224.  83.2   *Tuhikaramea Rd by speed limit sign 752
  3770  4763    1761.   2327    566. 132.1   8.9     886.    852    -34.  96.2   0.8    2647.   3179    532. 120.1   *Ohaupo Rd 200m north of Normandy 133
  2647  8214    2434.   1941   -493.  79.7   7.5     986.   1114    128. 113.0   2.8    3420.   3055   -365.  89.3   *Normandy Ave north of Bader St
  3587  4157    2799.   2294   -505.  82.0   7.1    1808.   1317   -491.  72.8   8.8    4607.   3611   -996.  78.4   *01N10558 135m north of Riverlea Rd
  4113  2899     220.    161    -59.  73.2   3.1     673.    470   -203.  69.8   6.0     894.    631   -263.  70.6   *Matangi Rd at bridge 151
  6531  6544    1587.   1437   -150.  90.5   2.7    1213.   1359    146. 112.0   2.9    2800.   2796     -4.  99.9   Victoria St (Queen/Whitaker)          ITM scaled to 2hr
1.65
  4449  4470     462.    535     73. 115.8   2.3     403.    532    129. 132.0   4.3     865.   1067    202. 123.4   Victoria Rd(Taylor/Hautapu)           ITM scaled to 2hr
  2724  5400     116.     91    -25.  78.4   1.8     170.    198     28. 116.5   1.5     286.    289      3. 101.0   Thornton Rd (Victoria/Grosvenor)
  5690  5849    1227.    838   -389.  68.3   8.5    1772.   1279   -493.  72.2   8.9    2999.   2117   -882.  70.6   SH1n 120m south of Pickering Rd       01N00563                  Avg of
06
 10684  2621    1280.   1183    -97.  92.4   2.0     749.    453   -296.  60.5   8.5    2029.   1636   -393.  80.6   SH3 1510m past SH21                   00300012
08.11.06proxy
  2504  4148     173.    162    -11.  93.6   0.5     215.    132    -83.  61.4   4.4     388.    294    -94.  75.8   Bond Rd 30m nth of Rogers Pl          2008 counts provided by J Winter,
scaled
  6178  6214     370.    271    -99.  73.2   4.0     329.    202   -127.  61.4   5.5     698.    473   -225.  67.8   18000m Cambridge Rd Rural             115 CAMBRIDGE
27Nov2006.EC022.11.06
  5418  6206     720.    661    -59.  91.8   1.6     784.    693    -91.  88.4   2.4    1504.   1354   -150.  90.0   Alexandra St                          068 ALEXANDRA
05Dec2006.EC029.11.06
  5926  6136     141.    166     25. 117.7   1.5     152.    124    -28.  81.6   1.7     293.    290     -3.  99.0   Bridgman Rd                           010 BRIDGMAN 03Nov2006.EC0
25.10.06
  4510  2824     557.    775    218. 139.1   6.0     555.    459    -96.  82.7   3.0    1112.   1234    122. 111.0   200m sth of Cambridge Rd RAB          00300027
11.10.06
 11582  9564     632.    295   -337.  46.7  11.1     657.    670     13. 102.0   0.4    1289.    965   -324.  74.9   *00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
 13672 13500    2043.   2334    291. 114.2   4.4        No Back Link Present .            2043.   2334    291. 114.2   *01N10474 Bombay-Telemetry No Site 72-SB NB
 13784 13500       No Forward Link Present .          1838.   1395   -443.  75.9   7.8    1838.   1395   -443.  75.9   *01N10474 Bombay-Telemetry No Site 72-SB SB
  8810 10726     339.    313    -26.  92.3   1.0     289.    163   -126.  56.4   5.9     627.    476   -151.  75.9   *00500082 520M Sth of ERP 77/3.70, Waiotapu
  9645  9627     944.    973     29. 103.1   0.6     915.    705   -210.  77.0   5.2    1860.   1678   -182.  90.2   *01N00509 685m Sth of Tahuna Overbridge, Rangiriri
  8455  9868     334.    478    144. 143.1   5.1     403.    616    213. 152.9   6.7     737.   1094    357. 148.4   *02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
  8698  8281     259.    389    130. 150.2   5.1     332.    497    165. 149.7   5.7     591.    886    295. 149.9   *00200098 200m Sth of Trigg Rd
  8832  9232     118.    146     28. 123.7   1.7     333.    380     47. 114.1   1.8     451.    526     75. 116.6   *02500036 Speed Restriction Sign (Whakatete Bay Sth end)
  8854  8642     166.    120    -46.  72.3   2.7     107.     74    -33.  69.2   2.4     273.    194    -79.  71.1   *02500177 Swampy Stream Bridge

Number of links =   121 Number of forward links =   120 Number of back links =   120

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    81903.    74300.   156203.
 VOLUME   79117.    71930.   151047.
 CHANGE   -2786.    -2370.    -5156.
   %         97.       97.       97.
CORREL.
```

```
 COEFF.    0.961     0.933     0.967
 %RMS      28.72     31.27     23.09
  r^2      0.924     0.870     0.935
  GEH        6.9       6.2       9.3

  GEH  <5    <7   <10   <12   >12
  #   170   199   230   237     3
  %  70.8  82.9  95.8  98.8   1.2


 CORDON terminated successfully
```

Inter Peak Screenline Validation Output Files

```
+-------------------------------------------+
| TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
|  TRACKS +-------------------------+ TRACKS  |
| S TRACKS|                         |S TRACKS |
| KS TRACK|   Program  :     CORDON  |KS TRACK |
| CKS TRAC|   Version  :      V7.08  |CKS TRAC |
| ACKS TRA|                         |ACKS TRA |
| RACKS TR|   Date run :  18-FEB-14  |RACKS TR |
| TRACKS T|   Time run :   12:20:50  |TRACKS T |
|  TRACKS |   Platform :  Win 95/NT  | TRACKS  |
| S TRACKS+-------------------------+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+-------------------------------------------+
+-------------------------------------------+
|              TRACKS Licenced to           |
|  Gabites Porter                           |
|         at :   Christchurch, N.Z.         |
+-------------------------------------------+
            Build Date : 11/12/12 07:32
            Parameter version : V7.00
```

```
Network Period Factor :  1.000

 Cordon Period Factor :  1.000

    GEH Period Factor :  2.000

  CSV Output File :


Cordon Data File  : "IP_VAL.TXT"
Loaded Network    : "WL06B0IALLB0.NL"
                  27424 Links in network


Cordon Number :  1
Description   : *1  Franklin Counts
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	1384.	1885	501.	136.2	8.7	1186.	1532	346.	129.2	6.6	2570.	3417	847.	133.0	02200001 SH22 East of Great South Road
12150	12306	733.	634	-99.	86.5	2.7	738.	757	19.	102.6	0.5	1471.	1391	-80.	94.6	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	658.	643	-15.	97.7	0.4	676.	565	-111.	83.6	3.2	1334.	1208	-126.	90.6	West St (Btn Fausett & Coronation)
11843	12380	211.	274	63.	129.9	2.9	208.	278	70.	133.7	3.2	419.	552	133.	131.7	Wellington St (Btn Harris & Fairfield)
12338	12266	155.	111	-44.	71.6	2.7	159.	119	-40.	74.8	2.4	314.	230	-84.	73.2	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	774.	648	-126.	83.7	3.3	819.	747	-72.	91.2	1.8	1593.	1395	-198.	87.6	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	667.	281	-386.	42.1	12.5	877.	672	-205.	76.6	5.2	1544.	953	-591.	61.7	Massey Avenue (Roulston & Graham)
12108	12116	416.	300	-116.	72.1	4.3	495.	601	106.	121.4	3.2	911.	901	-10.	98.9	KING ST NORTH OF MASSEY AVE
11885	11886	40.	9	-31.	22.5	4.6	47.	9	-38.	19.1	5.2	87.	18	-69.	20.7	Birwood Road (Btn Helvetia & Tasman)
12409	11965	124.	147	23.	118.5	1.3	129.	146	17.	113.2	1.1	253.	293	40.	115.8	Princes St West (Btn Helvetia & Duke)
11946	11952	168.	114	-54.	67.9	3.2	176.	106	-70.	60.2	4.2	344.	220	-124.	64.0	Victoria St west (Btn Helvetia & Moloney)
11944	11943	658.	577	-81.	87.7	2.3	639.	495	-144.	77.5	4.3	1297.	1072	-225.	82.7	West St-Pukekohe (btwn Fausett and Coronation) 913m
11889	11573	149.	20	-129.	13.4	9.9	218.	58	-160.	26.6	9.6	367.	78	-289.	21.3	Glasgow road
11819	13804	553.	682	129.	123.3	3.7	584.	621	37.	106.3	1.0	1137.	1303	166.	114.6	Puni Rd (Btn Ward & Urban/Rural) 530m

```
 12457 12475      97.     63    -34.  64.9   2.7      80.     68    -12.  85.0   1.0     177.    131    -46.  74.0   Anzac Road (Btn Kitchener & Dunnolly) 150m
 11712 11535     105.     89    -16.  84.8   1.2      97.     91     -6.  93.8   0.4     202.    180    -22.  89.1   Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
 11863 11851     129.     91    -38.  70.5   2.6      85.     98     13. 115.3   1.0     214.    189    -25.  88.3   John St South ((Btn Kitchener & Trevors)
 12052 12053      68.    121     53. 177.9   3.8      53.    132     79. 249.1   5.9     120.    253    133. 210.8   Ray Wright Road (BTN UPPER QUEEN & TUAKAU)   1653m
 12055 11619      57.     77     20. 135.1   1.7      56.     87     31. 155.4   2.5     113.    164     51. 145.1   Station road (Btn Yates & Urban/Rural)   80m
 12018 12174      35.     50     15. 142.9   1.7      39.     56     17. 143.6   1.9      74.    106     32. 143.2   Golding Road(Btn Logan & End of New Seal)  487m
 12270 12368      29.     64     35. 220.7   3.8      34.     71     37. 208.8   3.5      63.    135     72. 214.3   Tuhimata
 12030 13801     273.    199    -74.  72.9   3.4     310.    200   -110.  64.5   4.9     583.    399   -184.  68.4   Ward St - btn Wellington and Greenlane - 440m

Number of links =    22 Number of forward links =    22 Number of back links =    22

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     7483.     7705.    15187.
 VOLUME    7079.     7509.    14588.
 CHANGE    -404.     -196.     -599.
   %         95.       97.       96.
CORREL.
 COEFF.    0.936     0.953     0.947
 %RMS      45.48     32.55     37.40
  r^2      0.877     0.908     0.896
  GEH        3.3       1.6       3.5

  GEH  <5    <7   <10   <12   >12
  #    36    40    43    43     1
  %  81.8  90.9  97.7  97.7   2.3

 Cordon Number :  2
 Description   : *Waikato River Bridges

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  5497  5765     953.    888    -65.  93.2   1.5    1116.    950   -166.  85.1   3.7    2069.   1838   -231.  88.8   *Ngaruawahia Bridge
  4795  2723     150.    232     82. 154.7   4.2     150.    200     50. 133.3   2.7     300.    432    132. 144.0   *Horotiu Bridge - Guess
  3526  3652    1481.   1840    359. 124.2   6.2    1670.   2026    356. 121.3   5.9    3151.   3866    715. 122.7   *Wairere Dr Bridge RSI 13 WBD
  3606  4907    1200.   1539    339. 128.2   6.5    1313.   1433    120. 109.1   2.3    2513.   2972    459. 118.3   *Fairfield Bridge RSI 14 WBD
  6739  3953    1344.   1547    203. 115.1   3.8    1450.   1410    -40.  97.2   0.7    2794.   2957    163. 105.8   *Boundary Rd Bridge RSI 15 WBD
  9823  3453     879.    960     81. 109.2   1.9     622.    841    219. 135.2   5.7    1501.   1801    300. 120.0   *Claudelands Rd Bridge RSI 16 WBD
  9824  8233    1762.   1493   -269.  84.7   4.7    1824.   1907     83. 104.6   1.3    3586.   3400   -186.  94.8   *Bridge St Bridge RSI 17 WBD
  3509  3099    1654.   2032    378. 122.9   6.2    1710.   2081    371. 121.7   6.0    3354.   4113    759. 122.6   *Cobham Dr Bridge RSI 18 SBD
  4657  6296     310.    399     89. 128.7   3.3     307.    398     91. 129.6   3.5     617.    797    180. 129.2   *Narrows Bridge
  6541  4542     830.   1015    185. 122.3   4.3     793.    858     65. 108.2   1.6    1623.   1873    250. 115.4   *Victoria Bridge (Cambridge)
 10228  6171     583.    437   -146.  75.0   4.6     624.    489   -135.  78.4   4.1    1207.    926   -281.  76.7   *Shakepeare Bridge (Cambridge)

Number of links =    11 Number of forward links =    11 Number of back links =    11

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    11146.    11579.    22715.
 VOLUME   12382.    12593.    24975.
 CHANGE    1236.     1014.     2260.
   %        111.      109.      110.
CORREL.
 COEFF.    0.941     0.970     0.965
 %RMS      23.79     18.91     19.93
  r^2      0.886     0.941     0.932
  GEH        8.1       6.5      10.3

  GEH  <5    <7   <10   <12   >12
  #    16    22    22    22     0
  %  72.7 100.0 100.0 100.0   0.0
```

Cordon Number : 3
Description : *Hamilton Model External Cordon

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4808	10272	1095.	677	-418.	61.8	9.9	973.	600	-373.	61.7	9.4	2068.	1277	-791.	61.8	*SH1 sth of Shakespeare Cambridge
4872	6405	763.	878	115.	115.1	2.9	782.	945	163.	120.8	3.9	1545.	1823	278.	118.0	*SH3 nth of Tuere Te Awamutu
8270	10732	203.	203	0.	100.0	0.0	253.	195	-58.	77.1	2.7	456.	398	-58.	87.3	*SH39 sth of Hanning Piongia
3516	3507	193.	273	80.	141.5	3.7	195.	252	57.	129.2	2.7	388.	525	137.	135.3	*SH23 wst of Heddon Raglan
9771	9917	1334.	1135	-199.	85.1	4.0	1458.	1313	-145.	90.1	2.8	2792.	2448	-344.	87.7	*SH1 sth of Tregoweth Huntly
9264	9923	461.	429	-32.	93.1	1.1	324.	414	90.	127.8	3.3	785.	843	58.	107.4	*SH26 wst of Harbottle

Number of links = 6 Number of forward links = 6 Number of back links = 6

TOTALS	FORWARD	BACK	TOTALS
COUNT	4049.	3985.	8034.
VOLUME	3595.	3719.	7314.
CHANGE	-454.	-266.	-720.
%	89.	93.	91.
CORREL.			
COEFF.	0.918	0.922	0.920
%RMS	32.12	30.22	30.73
r^2	0.843	0.850	0.847
GEH	5.2	3.0	5.8

GEH	<5	<7	<10	<12	>12
#	10	10	12	12	0
%	83.3	83.3	100.0	100.0	0.0

Cordon Number : 4
Description : *Waikato Model External Cordon

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
9771	9917	1334.	1135	-199.	85.1	4.0	1458.	1313	-145.	90.1	2.8	2792.	2448	-344.	87.7	*SH1 sth of Tregoweth Huntly
9264	9923	461.	429	-32.	93.1	1.1	324.	414	90.	127.8	3.3	785.	843	58.	107.4	*SH26 wst of Harbottle
10160	9850	520.	491	-29.	94.4	0.9	515.	432	-83.	83.9	2.7	1036.	923	-113.	89.1	*02700065 200m Sth of Matamata Airport Entrance
8178	9145	521.	501	-20.	96.2	0.6	524.	605	81.	115.5	2.4	1045.	1106	61.	105.8	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	367.	273	-94.	74.4	3.7	392.	218	-174.	55.6	7.0	759.	491	-268.	64.7	*SH5 sth of Maraeroa Rotorua
8528	4051	200.	145	-55.	72.5	3.0	194.	139	-55.	71.6	3.1	393.	284	-109.	72.3	*03000141 155m before Gun Club Rd
8792	8552	339.	170	-169.	50.1	7.5	314.	159	-155.	50.6	7.2	653.	329	-324.	50.4	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	237.	237	0.	100.0	0.0	307.	305	-2.	99.3	0.1	544.	542	-2.	99.6	*00500138 278m past Crown Rd (Taupo)
8274	8756	240.	255	15.	106.2	0.6	278.	279	1.	100.4	0.0	518.	534	16.	103.1	*SH1 sth of Taupahi Turangi
8273	8522	85.	75	-10.	88.2	0.8	87.	77	-10.	88.5	0.8	172.	152	-20.	88.4	*04700046 242m before State Highway 41
8779	8959	38.	37	-1.	97.4	0.2	40.	39	-1.	97.5	0.2	78.	76	-2.	97.4	*04100029 50m East of Moerangi Rd
8433	9836	348.	287	-61.	82.5	2.5	389.	285	-104.	73.3	4.0	737.	572	-165.	77.6	*SH3 nth of SH4 Te Kuiti
10134	3506	46.	29	-17.	63.0	2.1	48.	26	-22.	54.2	2.6	94.	55	-39.	58.5	*03100022 500m West of Ngutunui Rd
3516	3507	193.	273	80.	141.5	3.7	195.	252	57.	129.2	2.7	388.	525	137.	135.3	*SH23 wst of Heddon Raglan

Number of links = 14 Number of forward links = 14 Number of back links = 14

TOTALS	FORWARD	BACK	TOTALS
COUNT	4929.	5065.	9994.
VOLUME	4337.	4543.	8880.
CHANGE	-592.	-522.	-1114.
%	88.	90.	89.
CORREL.			
COEFF.	0.982	0.971	0.979
%RMS	24.03	25.95	23.79

```
  r^2      0.963     0.942     0.958
  GEH        6.2       5.3       8.1

  GEH  <5    <7   <10   <12   >12
  #    25    25    28    28     0
  %  89.3  89.3 100.0 100.0   0.0

 Cordon Number :  5
 Description   : *Rest of Hamilton

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  4111 10565     378.    457     79. 120.9   2.7     421.    449     28. 106.7   1.0     799.    906    107. 113.4   *02600002 875m  West of Lissette Rd
  5452 10678     293.    369     76. 125.9   3.0     310.    373     63. 120.3   2.4     603.    742    139. 123.1   *02600009 700m East of Platt Rd
  5614  5613     146.    121    -25.  82.9   1.6     129.    129      0. 100.0   0.0     275.    250    -25.  90.9   *01B00015 500m past Gordonton Rd/Taylor Rd Intersection
  2822  5485     177.    126    -51.  71.2   2.9     135.    130     -5.  96.3   0.2     312.    256    -56.  82.1   *01B00024 100m past Holland Rd Intersection
  2688  5712     938.    766   -172.  81.7   4.2    1011.    868   -143.  85.9   3.3    1949.   1634   -315.  83.8   *01N00529 100m Sth of Hopu Hopu Rail Bridge
  5849  6119    1125.   1023   -102.  90.9   2.2    1140.   1085    -55.  95.2   1.2    2266.   2108   -158.  93.0   *01N00563 120m Sth of Pickering Rd (Nth bound)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3057.     3146.     6204.
 VOLUME    2862.     3034.     5896.
 CHANGE    -195.     -112.     -308.
   %         94.       96.       95.
CORREL.
 COEFF.    0.979     0.992     0.987
 %RMS      20.63     14.34     17.23
  r^2      0.958     0.984     0.974
  GEH        2.5       1.4       2.8

  GEH  <5    <7   <10   <12   >12
  #    12    12    12    12     0
  % 100.0 100.0 100.0 100.0   0.0

 Cordon Number :  6
 Description   : *North

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9559  9719     624.    468   -156.  75.0   4.7     687.    500   -187.  72.8   5.4    1311.    968   -343.  73.8   *00200033 By RS peg 32/1
  8830  8305     323.    268    -55.  83.0   2.2     346.    282    -64.  81.5   2.6     669.    550   -119.  82.2   *00200052 650m past Orchard Rd
  8873  3384     380.    311    -69.  81.8   2.7     387.    338    -49.  87.3   1.8     766.    649   -117.  84.7   *00200066 986m past of Awaiti Rd
  8310  3401     511.    442    -69.  86.5   2.2     536.    376   -160.  70.1   5.3    1047.    818   -229.  78.1   *00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
  8306  8739     327.    203   -124.  62.1   5.4     327.    306    -21.  93.6   0.8     654.    509   -145.  77.8   *02500021 335m before Hauraki Rd
  8837  8836      65.    111     46. 170.8   3.5      58.    102     44. 175.9   3.5     123.    213     90. 173.2   *02500098 12m before 1st Abut Opitonui Stream Bridge
  8499  9169     151.    176     25. 116.6   1.4     147.    129    -18.  87.8   1.1     298.    305      7. 102.3   *02500240 Nth of Gladestone Rd
  8872  2948     230.    240     10. 104.3   0.5     241.    250      9. 103.7   0.5     471.    490     19. 104.0   *02600075 380m past Komata River Bridge
  9964  8308     266.    157   -109.  59.0   5.4     288.    157   -131.  54.5   6.3     554.    314   -240.  56.7   *02700011 Kaihere - Telemetry Site 33
 13522 13646     969.   1428    459. 147.4   9.4    1085.   1333    248. 122.9   5.0    2054.   2761    707. 134.4   *01N20482 400m before Horace Russell Rd (inc=01N10482)
  9179  2984     215.    102   -113.  47.4   6.3     255.    154   -101.  60.4   5.0     470.    256   -214.  54.5   *25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig

Number of links =    11 Number of forward links =    11 Number of back links =    11

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4061.     4357.     8417.
 VOLUME    3906.     3927.     7833.
 CHANGE    -155.     -430.     -584.
```

```
   %        96.       90.       93.
CORREL.
 COEFF.    0.927     0.946     0.939
 %RMS      46.16     31.81     37.67
  r^2      0.860     0.895     0.881
  GEH        1.7       4.7       4.6

  GEH  <5    <7   <10   <12   >12
  #    14    21    22    22     0
  %  63.6  95.5 100.0 100.0   0.0

 Cordon Number :  7
 Description   : *Tauranga

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1091.   1024    -67.  93.9   1.4    1018.    957    -61.  94.0   1.4    2109.   1981   -128.  93.9   *00200141 Near Tga RSI Site 23
  8178  9145     521.    501    -20.  96.2   0.6     524.    605     81. 115.5   2.4    1045.   1106     61. 105.8   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
  9138  3925     158.    218     60. 138.0   3.1     157.    337    180. 214.6   8.1     315.    555    240. 176.2   *03600012 760m Sth of Williams Rd, Pyes Pa
 10798 10800     949.   1058    109. 111.5   2.5     986.   1041     55. 105.6   1.2    1935.   2099    164. 108.5   *00200187 Near Tga RSI Site 21

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2719.     2685.     5404.
 VOLUME    2801.     2940.     5741.
 CHANGE      82.      255.      337.
   %        103.      109.      106.
CORREL.
 COEFF.    0.983     0.990     0.987
 %RMS      12.12     18.39     13.82
  r^2      0.966     0.980     0.974
  GEH        1.1       3.4       3.2

  GEH  <5    <7   <10   <12   >12
  #     7     7     8     8     0
  %  87.5  87.5 100.0 100.0   0.0

 Cordon Number :  8
 Description   : *South

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 10727  8529      53.     42    -11.  79.2   1.0      48.     43     -5.  89.6   0.6     101.     85    -16.  84.2   *03200074 West of Taupo - Telemetry Site 43
  8635  8551     721.    436   -285.  60.5   8.4     703.    343   -360.  48.8  11.1    1424.    779   -645.  54.7   *01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
  8578  8416     417.    174   -243.  41.7  10.0     422.    177   -245.  41.9  10.1     839.    351   -488.  41.8   *01N00729 HALLETTS BAY - Telemetry Site 42
  8954 11324     941.   1237    296. 131.5   6.3    1641.   1359   -282.  82.8   5.2    2582.   2596     14. 100.5   *01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
  4352  8740    1224.   1056   -168.  86.3   3.5    1048.   1019    -29.  97.2   0.7    2272.   2075   -197.  91.3   *01N00705 100m Nth of SH5 (East to Napier)
  8740  8932     988.    785   -203.  79.5   4.8    1016.    743   -273.  73.1   6.5    2004.   1528   -476.  76.2   *01N00706 300m Sth of State Highway 5 (Napier)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4344.     4878.     9222.
 VOLUME    3730.     3684.     7414.
 CHANGE    -614.    -1194.    -1808.
   %         86.       76.       80.
CORREL.
 COEFF.    0.894     0.965     0.962
```

```
%RMS      33.69     32.29     27.91
 r^2      0.799     0.931     0.925
 GEH        6.8      12.9      14.0

 GEH  <5    <7   <10   <12   >12
 #     5     8    10    12     0
 %  41.7  66.7  83.3 100.0   0.0

Cordon Number :  9
Description   : *All RSI
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	1384.	1885	501.	136.2	8.7	1186.	1532	346.	129.2	6.6	2570.	3417	847.	133.0	02200001 SH22 East of Great South Road
12150	12306	733.	634	-99.	86.5	2.7	738.	757	19.	102.6	0.5	1471.	1391	-80.	94.6	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	658.	643	-15.	97.7	0.4	676.	565	-111.	83.6	3.2	1334.	1208	-126.	90.6	West St (Btn Fausett & Coronation)
11843	12380	211.	274	63.	129.9	2.9	208.	278	70.	133.7	3.2	419.	552	133.	131.7	Wellington St (Btn Harris & Fairfield)
12338	12266	155.	111	-44.	71.6	2.7	159.	119	-40.	74.8	2.4	314.	230	-84.	73.2	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	774.	648	-126.	83.7	3.3	819.	747	-72.	91.2	1.8	1593.	1395	-198.	87.6	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	667.	281	-386.	42.1	12.5	877.	672	-205.	76.6	5.2	1544.	953	-591.	61.7	Massey Avenue (Roulston & Graham)
12108	12116	416.	300	-116.	72.1	4.3	495.	601	106.	121.4	3.2	911.	901	-10.	98.9	KING ST NORTH OF MASSEY AVE
11885	11886	40.	9	-31.	22.5	4.6	47.	9	-38.	19.1	5.2	87.	18	-69.	20.7	Birwood Road (Btn Helvetia & Tasman)
12409	11965	124.	147	23.	118.5	1.3	129.	146	17.	113.2	1.1	253.	293	40.	115.8	Princes St West (Btn Helvetia & Duke)
11946	11952	168.	114	-54.	67.9	3.2	176.	106	-70.	60.2	4.2	344.	220	-124.	64.0	Victoria St west (Btn Helvetia & Moloney)
11944	11943	658.	577	-81.	87.7	2.3	639.	495	-144.	77.5	4.3	1297.	1072	-225.	82.7	West St-Pukekohe (btwn Fausett and Coronation) 913m
11889	11573	149.	20	-129.	13.4	9.9	218.	58	-160.	26.6	9.6	367.	78	-289.	21.3	Glasgow road
11819	13804	553.	682	129.	123.3	3.7	584.	621	37.	106.3	1.0	1137.	1303	166.	114.6	Puni Rd (Btn Ward & Urban/Rural) 530m
12457	12475	97.	63	-34.	64.9	2.7	80.	68	-12.	85.0	1.0	177.	131	-46.	74.0	Anzac Road (Btn Kitchener & Dunnolly) 150m
11712	11535	105.	89	-16.	84.8	1.2	97.	91	-6.	93.8	0.4	202.	180	-22.	89.1	Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
11863	11851	129.	91	-38.	70.5	2.6	85.	98	13.	115.3	1.0	214.	189	-25.	88.3	John St South ((Btn Kitchener & Trevors)
12052	12053	68.	121	53.	177.9	3.8	53.	132	79.	249.1	5.9	120.	253	133.	210.8	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	57.	77	20.	135.1	1.7	56.	87	31.	155.4	2.5	113.	164	51.	145.1	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	35.	50	15.	142.9	1.7	39.	56	17.	143.6	1.9	74.	106	32.	143.2	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	29.	64	35.	220.7	3.8	34.	71	37.	208.8	3.5	63.	135	72.	214.3	Tuhimata
12030	13801	273.	199	-74.	72.9	3.4	310.	200	-110.	64.5	4.9	583.	399	-184.	68.4	Ward St - btn Wellington and Greenlane - 440m
5497	5765	953.	888	-65.	93.2	1.5	1116.	950	-166.	85.1	3.7	2069.	1838	-231.	88.8	*Ngaruawahia Bridge
4795	2723	150.	232	82.	154.7	4.2	150.	200	50.	133.3	2.7	300.	432	132.	144.0	*Horotiu Bridge - Guess
3526	3652	1481.	1840	359.	124.2	6.2	1670.	2026	356.	121.3	5.9	3151.	3866	715.	122.7	*Wairere Dr Bridge RSI 13 WBD
3606	4907	1200.	1539	339.	128.2	6.5	1313.	1433	120.	109.1	2.3	2513.	2972	459.	118.3	*Fairfield Bridge RSI 14 WBD
6739	3953	1344.	1547	203.	115.1	3.8	1450.	1410	-40.	97.2	0.7	2794.	2957	163.	105.8	*Boundary Rd Bridge RSI 15 WBD
9823	3453	879.	960	81.	109.2	1.9	622.	841	219.	135.2	5.7	1501.	1801	300.	120.0	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	1762.	1493	-269.	84.7	4.7	1824.	1907	83.	104.6	1.3	3586.	3400	-186.	94.8	*Bridge St Bridge RSI 17 WBD
3509	3099	1654.	2032	378.	122.9	6.2	1710.	2081	371.	121.7	6.0	3354.	4113	759.	122.6	*Cobham Dr Bridge RSI 18 SBD
4657	6296	310.	399	89.	128.7	3.3	307.	398	91.	129.6	3.5	617.	797	180.	129.2	*Narrows Bridge
6541	4542	830.	1015	185.	122.3	4.3	793.	858	65.	108.2	1.6	1623.	1873	250.	115.4	*Victoria Bridge (Cambridge)
10228	6171	583.	437	-146.	75.0	4.6	624.	489	-135.	78.4	4.1	1207.	926	-281.	76.7	*Shakepeare Bridge (Cambridge)
4808	10272	1095.	677	-418.	61.8	9.9	973.	600	-373.	61.7	9.4	2068.	1277	-791.	61.8	*SH1 sth of Shakespeare Cambridge
4872	6405	763.	878	115.	115.1	2.9	782.	945	163.	120.8	3.9	1545.	1823	278.	118.0	*SH3 nth of Tuere Te Awamutu
8270	10732	203.	203	0.	100.0	0.0	253.	195	-58.	77.1	2.7	456.	398	-58.	87.3	*SH39 sth of Hanning Piongia
3516	3507	193.	273	80.	141.5	3.7	195.	252	57.	129.2	2.7	388.	525	137.	135.3	*SH23 wst of Heddon Raglan
9771	9917	1334.	1135	-199.	85.1	4.0	1458.	1313	-145.	90.1	2.8	2792.	2448	-344.	87.7	*SH1 sth of Tregoweth Huntly
9264	9923	461.	429	-32.	93.1	1.1	324.	414	90.	127.8	3.3	785.	843	58.	107.4	*SH26 wst of Harbottle
10160	9850	520.	491	-29.	94.4	0.9	515.	432	-83.	83.9	2.7	1036.	923	-113.	89.1	*02700065 200m Sth of Matamata Airport Entrance
8178	9145	521.	501	-20.	96.2	0.6	524.	605	81.	115.5	2.4	1045.	1106	61.	105.8	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	367.	273	-94.	74.4	3.7	392.	218	-174.	55.6	7.0	759.	491	-268.	64.7	*SH5 sth of Maraeroa Rotorua
8528	4051	200.	145	-55.	72.5	3.0	194.	139	-55.	71.6	3.1	393.	284	-109.	72.3	*03000141 155m before Gun Club Rd
8792	8552	339.	170	-169.	50.1	7.5	314.	159	-155.	50.6	7.2	653.	329	-324.	50.4	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	237.	237	0.	100.0	0.0	307.	305	-2.	99.3	0.1	544.	542	-2.	99.6	*00500138 278m past Crown Rd (Taupo)
8274	8756	240.	255	15.	106.2	0.6	278.	279	1.	100.4	0.0	518.	534	16.	103.1	*SH1 sth of Taupahi Turangi
8273	8522	85.	75	-10.	88.2	0.8	87.	77	-10.	88.5	0.8	172.	152	-20.	88.4	*04700046 242m before State Highway 41
8779	8959	38.	37	-1.	97.4	0.2	40.	39	-1.	97.5	0.2	78.	76	-2.	97.4	*04100029 50m East of Moerangi Rd
8433	9836	348.	287	-61.	82.5	2.5	389.	285	-104.	73.3	4.0	737.	572	-165.	77.6	*SH3 nth of SH4 Te Kuiti

```
 10134  3506      46.     29    -17.  63.0   2.1      48.     26    -22.  54.2   2.6      94.     55    -39.  58.5   *03100022 500m West of Ngutunui Rd
  4111 10565     378.    457     79. 120.9   2.7     421.    449     28. 106.7   1.0     799.    906    107. 113.4   *02600002 875m  West of Lissette Rd
  5452 10678     293.    369     76. 125.9   3.0     310.    373     63. 120.3   2.4     603.    742    139. 123.1   *02600009 700m East of Platt Rd
  5614  5613     146.    121    -25.  82.9   1.6     129.    129      0. 100.0   0.0     275.    250    -25.  90.9   *01B00015 500m past Gordonton Rd/Taylor Rd Intersection
  2822  5485     177.    126    -51.  71.2   2.9     135.    130     -5.  96.3   0.2     312.    256    -56.  82.1   *01B00024 100m past Holland Rd Intersection
  2688  5712     938.    766   -172.  81.7   4.2    1011.    868   -143.  85.9   3.3    1949.   1634   -315.  83.8   *01N00529 100m Sth of Hopu Hopu Rail Bridge
  5849  6119    1125.   1023   -102.  90.9   2.2    1140.   1085    -55.  95.2   1.2    2266.   2108   -158.  93.0   *01N00563 120m Sth of Pickering Rd (Nth bound)
  9559  9719     624.    468   -156.  75.0   4.7     687.    500   -187.  72.8   5.4    1311.    968   -343.  73.8   *00200033 By RS peg 32/1
  8830  8305     323.    268    -55.  83.0   2.2     346.    282    -64.  81.5   2.6     669.    550   -119.  82.2   *00200052 650m past Orchard Rd
  8873  3384     380.    311    -69.  81.8   2.7     387.    338    -49.  87.3   1.8     766.    649   -117.  84.7   *00200066 986m past Orchard Rd
  8310  3401     511.    442    -69.  86.5   2.2     536.    376   -160.  70.1   5.3    1047.    818   -229.  78.1   *00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
  8306  8739     327.    203   -124.  62.1   5.4     327.    306    -21.  93.6   0.8     654.    509   -145.  77.8   *02500021 335m before Hauraki Rd
  8837  8836      65.    111     46. 170.8   3.5      58.    102     44. 175.9   3.5     123.    213     90. 173.2   *02500098 12m before 1st Abut Opitonui Stream Bridge
  8499  9169     151.    176     25. 116.6   1.4     147.    129    -18.  87.8   1.1     298.    305      7. 102.3   *02500240 Nth of Gladestone Rd
  8872  2948     230.    240     10. 104.3   0.5     241.    250      9. 103.7   0.5     471.    490     19. 104.0   *02600075 380m past Komata River Bridge
  9964  8308     266.    157   -109.  59.0   5.4     288.    157   -131.  54.5   6.3     554.    314   -240.  56.7   *02700011 Kaihere - Telemetry Site 33
 13522 13646     969.   1428    459. 147.4   9.4    1085.   1333    248. 122.9   5.0    2054.   2761    707. 134.4   *01N20482 400m before Horace Russell Rd (inc=01N10482)
  9179  2984     215.    102   -113.  47.4   6.3     255.    154   -101.  60.4   5.0     470.    256   -214.  54.5   *25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig
  8728  3611    1091.   1024    -67.  93.9   1.4    1018.    957    -61.  94.0   1.4    2109.   1981   -128.  93.9   *00200141 Near Tga RSI Site 23
  9138  3925     158.    218     60. 138.0   3.1     157.    337    180. 214.6   8.1     315.    555    240. 176.2   *03600012 760m Sth of Williams Rd, Pyes Pa
 10798 10800     949.   1058    109. 111.5   2.5     986.   1041     55. 105.6   1.2    1935.   2099    164. 108.5   *00200187 Near Tga RSI Site 21
 10727  8529      53.     42    -11.  79.2   1.0      48.     43     -5.  89.6   0.6     101.     85    -16.  84.2   *03200074 West of Taupo - Telemetry Site 43
  8635  8551     721.    436   -285.  60.5   8.4     703.    343   -360.  48.8  11.1    1424.    779   -645.  54.7   *01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
  8578  8416     417.    174   -243.  41.7  10.0     422.    177   -245.  41.9  10.1     839.    351   -488.  41.8   *01N00729 HALLETTS BAY - Telemetry Site 42
  8954 11324     941.   1237    296. 131.5   6.3    1641.   1359   -282.  82.8   5.2    2582.   2596     14. 100.5   *01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
  4352  8740    1224.   1056   -168.  86.3   3.5    1048.   1019    -29.  97.2   0.7    2272.   2075   -197.  91.3   *01N00705 100m Nth of SH5 (East to Napier)
  8740  8932     988.    785   -203.  79.5   4.8    1016.    743   -273.  73.1   6.5    2004.   1528   -476.  76.2   *01N00706 300m Sth of State Highway 5 (Napier)

Number of links =    76 Number of forward links =    76 Number of back links =    76

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    39279.    40899.    80167.
 VOLUME   38354.    39365.    77719.
 CHANGE    -925.    -1534.    -2448.
   %         98.       96.       97.
CORREL.
 COEFF.    0.945     0.960     0.959
 %RMS      31.82     26.48     27.23
  r^2      0.894     0.921     0.919
  GEH        3.3       5.4       6.2

  GEH  <5    <7   <10   <12   >12
  #   117   137   149   151     1
  %  77.0  90.1  98.0  99.3   0.7

 Cordon Number : 10
 Description   : *  Railway

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  7164  3296      50.    106     56. 212.0   4.5      62.    125     63. 201.6   4.5     112.    231    119. 206.2   *Ruffell Rd north of Te Kowhat Rd 176
  3287  3512     271.    241    -30.  88.9   1.3     334.    265    -69.  79.3   2.9     605.    506    -99.  83.6   *Te Kowhai Rd east of Tasman Rd 166
  3483  3480    1904.   2005    101. 105.3   1.6    1864.   1885     21. 101.1   0.3    3768.   3890    122. 103.2   *SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97
  3476  4904    1103.    718   -385.  65.1   9.0     997.    698   -299.  70.0   7.2    2100.   1416   -684.  67.4   *Forest Lake Rd railway underpass 63/64 2-Aug
  4721  3456     742.   1125    383. 151.6   8.8     722.    595   -127.  82.4   3.5    1464.   1720    256. 117.5   *Norton Rd at railways 718 11-May                          67
  8209  6664    1548.   1701    153. 109.9   2.7    1547.   1224   -323.  79.1   6.1    3095.   2925   -170.  94.5   *Hall St Overpass 729 19-APR
  5199  2654    1322.    856   -466.  64.8  10.0    1268.    836   -432.  65.9   9.4    2591.   1692   -899.  65.3   *Killarney Rd-railway crossing 141 9-Nov
  3175  4709    1548.   1393   -155.  90.0   2.9    1600.   1643     43. 102.7   0.7    3148.   3036   -112.  96.4   *01N00552 120m east of railyway crossing                      *01N00552
120m ea
  3168  4788     129.    220     91. 170.5   4.9     160.    217     57. 135.6   2.9     289.    437    148. 151.2   *Collins Rd-railway crossing 149 18-Sep          10:00 Friday, 8
September 2006
```

```
Number of links =     9 Number of forward links =     9 Number of back links =     9

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     8617.     8554.    17172.
 VOLUME    8365.     7488.    15853.
 CHANGE    -252.    -1066.    -1319.
   %         97.       88.       92.
CORREL.
 COEFF.    0.923     0.959     0.956
 %RMS      28.17     23.84     22.27
  r^2      0.852     0.920     0.915
  GEH        1.9       8.4       7.3

  GEH  <5    <7   <10   <12   >12
  #    12    13    18    18     0
  %  66.7  72.2 100.0 100.0   0.0

 Cordon Number : 11
 Description   : *  East

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  2556 10696     196.    281     85. 143.4   3.9     212.    277     65. 130.7   2.9     408.    558    150. 136.8   *Puketaha Rd 261
  7120  2995     149.     38   -111.  25.5   8.1      53.     38    -15.  71.7   1.5     202.     76   -126.  37.6   *Fairview St btw Carrs&Watson 266
  6908  5131     132.    206     74. 156.1   4.0     146.    217     71. 148.6   3.7     278.    423    145. 152.2   *Alderson St btw Tramway&Fairview 269
  7024  5127     299.    287    -12.  96.0   0.5     328.    306    -22.  93.3   0.9     628.    593    -35.  94.4   *Powells Rd btw Tramway&Fairview 270
  3921  3920     321.    341     20. 106.2   0.8     372.    364     -8.  97.8   0.3     693.    705     12. 101.7   *Ruakura Rd east of Silverdale 155
  4111 10565     378.    457     79. 120.9   2.7     421.    449     28. 106.7   1.0     799.    906    107. 113.4   *02600002 875m  West of Lissette Rd

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     1475.     1532.     3008.
 VOLUME    1610.     1651.     3261.
 CHANGE     135.      119.      253.
   %        109.      108.      108.
CORREL.
 COEFF.    0.852     0.958     0.921
 %RMS      32.44     18.22     23.97
  r^2      0.725     0.917     0.847
  GEH        2.4       2.1       3.2

  GEH  <5    <7   <10   <12   >12
  #    11    11    12    12     0
  %  91.7  91.7 100.0 100.0   0.0

 Cordon Number : 12
 Description   : *  North

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3480  3488    2381.   1958   -423.  82.2   6.4    2182.   1743   -439.  79.9   7.0    4563.   3701   -862.  81.1   *01N00546 400M North of Avalon/Te Rap
  3644  3938     904.    799   -105.  88.4   2.6     887.    767   -120.  86.5   3.0    1790.   1566   -224.  87.5   *Pukete Rd btw Cullimore&Wairere 255
  7284  3477     161.     78    -83.  48.4   5.3     122.     86    -36.  70.5   2.5     282.    164   -118.  58.2   *Totara Dr at the overbridge 196
  3588  3589     895.    800    -95.  89.4   2.3     777.    692    -85.  89.1   2.2    1671.   1492   -179.  89.3   *River Rd north of Wairere Dr 189
  3503  2767     790.    775    -15.  98.1   0.4     601.    785    184. 130.6   4.9    1391.   1560    169. 112.1   *Resolution Dr north of wairere dr 188                ?
  3558  3557     710.    787     77. 110.8   2.0     666.    650    -16.  97.6   0.4    1376.   1437     61. 104.4   *Hukanui Rd north of Wairere Dr 264/416
  2556  2523     392.    456     64. 116.3   2.2     395.    489     94. 123.8   3.2     787.    945    158. 120.1   *Gordonton Rd btw Crosby&Greenhill                    change the count
statio
```

```
Number of links =     7 Number of forward links =     7 Number of back links =     7

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     6233.     5630.    11860.
 VOLUME    5653.     5212.    10865.
 CHANGE    -580.     -418.     -995.
   %         91.       93.       92.
CORREL.
 COEFF.    0.989     0.978     0.987
 %RMS      21.31     25.81     22.81
  r^2      0.978     0.957     0.974
  GEH        5.3       4.0       6.6

  GEH  <5    <7   <10   <12   >12
  #    11    13    14    14     0
  %  78.6  92.9 100.0 100.0   0.0

 Cordon Number : 13
 Description   : *  South

                     FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3336  4906     244.    434    190. 177.9   7.3     251.    469    218. 186.9   8.1     496.    903    407. 182.1   *Tuhikaramea Rd by speed limit sign 752
  3770  4763    1425.   1602    177. 112.4   3.2    1319.   1310     -9.  99.3   0.2    2744.   2912    168. 106.1   *Ohaupo Rd 200m north of Normandy 133
  8214  2647    2434.   1626   -808.  66.8  12.7     986.   1276    290. 129.4   6.1    3420.   2902   -518.  84.9   *Normandy Ave north of Bader St
  3587  4157    1910.   1690   -220.  88.5   3.7    1739.   1679    -60.  96.5   1.0    3649.   3369   -280.  92.3   *01N10558 135m north of Riverlea R
  4113  2899     240.    292     52. 121.7   2.3     183.    259     76. 141.5   3.6     423.    551    128. 130.3   *Matangi Rd at bridge 151

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     6253.     4478.    10732.
 VOLUME    5644.     4993.    10637.
 CHANGE    -609.      515.      -95.
   %         90.      112.       99.
CORREL.
 COEFF.    0.933     0.979     0.985
 %RMS      35.11     20.97     17.39
  r^2      0.871     0.958     0.970
  GEH        5.6       5.3       0.7

  GEH  <5    <7   <10   <12   >12
  #     6     7     9     9     1
  %  60.0  70.0  90.0  90.0  10.0

 Cordon Number : 14
 Description   : *Cambridge Counts  (NB/EB FIRST)

                     FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  6531  6544    1076.   1216    140. 113.0   2.9    1242.   1251      9. 100.7   0.2    2318.   2467    149. 106.4   Victoria St (Queen/Whitaker)          ITM scaled to 2hr
1.71
  4449  4470     268.    378    110. 141.0   4.3     347.    395     48. 113.8   1.8     616.    773    157. 125.5   Victoria Rd(Taylor/Hautapu)           ITM scaled to 2hr
  2724  5400     109.    117      8. 107.3   0.5      79.    114     35. 144.3   2.6     188.    231     43. 122.9   Thornton Rd (Victoria/Grosvenor)
  5690  5849    1125.   1022   -103.  90.8   2.2    1140.   1085    -55.  95.2   1.2    2266.   2107   -159.  93.0   SH1n 120m south of Pickering Rd       01N00563                   Avg of
06

Number of links =     4 Number of forward links =     4 Number of back links =     4
```

```
 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2578.     2808.     5388.
 VOLUME    2733.     2845.     5578.
 CHANGE     155.       37.      190.
   %        106.      101.      104.
CORREL.
 COEFF.    0.978     0.998     0.992
 %RMS      18.44      6.70     11.66
  r^2      0.957     0.997     0.983
  GEH        2.1       0.5       1.8

  GEH  <5    <7   <10   <12   >12
  #     8     8     8     8     0
  % 100.0 100.0 100.0 100.0   0.0

 Cordon Number : 15
 Description   : *Te Awamutu Counts

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 10684  2621     663.    841    178. 126.8   4.6     706.    868    162. 122.9   4.1    1369.   1709    340. 124.8   SH3 1510m past SH21                    00300012
08.11.06proxy
  2504  4148     227.    133    -94.  58.6   5.0     213.    176    -37.  82.6   1.8     440.    309   -131.  70.2   Bond Rd 30m nth of Rogers Pl           2008 counts provided by J Winter,
scaled
  6178  6214     335.    241    -94.  71.9   3.9     319.    243    -76.  76.2   3.2     654.    484   -170.  74.0   18000m Cambridge Rd Rural              115 CAMBRIDGE
27Nov2006.EC022.11.06
  5418  6206     694.    589   -105.  84.9   3.0     685.    590    -95.  86.1   2.6    1379.   1179   -200.  85.5   Alexandra St                           068 ALEXANDRA
05Dec2006.EC029.11.06
  5926  6136     104.    121     17. 116.3   1.1      90.    117     27. 130.0   1.8     194.    238     44. 122.7   Bridgman Rd                            010 BRIDGMAN 03Nov2006.EC0
25.10.06
  4510  2824     497.    553     56. 111.3   1.7     598.    561    -37.  93.8   1.1    1095.   1114     19. 101.7   200m sth of Cambridge Rd RAB           00300027
11.10.06

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2520.     2611.     5131.
 VOLUME    2478.     2555.     5033.
 CHANGE     -42.      -56.      -98.
   %         98.       98.       98.
CORREL.
 COEFF.    0.930     0.949     0.944
 %RMS      26.90     21.68     23.62
  r^2      0.864     0.901     0.890
  GEH        0.6       0.8       1.0

  GEH  <5    <7   <10   <12   >12
  #    12    12    12    12     0
  % 100.0 100.0 100.0 100.0   0.0

 Cordon Number : 16
 Description   : *  Bombay Hills

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 11582  9564     814.    581   -233.  71.4   6.3     886.    652   -234.  73.6   6.0    1699.   1233   -466.  72.6   *00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
 13672 13500    2023.   2137    114. 105.6   1.8        No Back Link Present .          2023.   2137    114. 105.6   *01N10474 Bombay-Telemetry No Site 72-SB NB
 13784 13500     No Forward Link Present .          2032.   1980    -52.  97.4   0.8    2032.   1980    -52.  97.4   *01N10474 Bombay-Telemetry No Site 72-SB SB

Number of links =     3 Number of forward links =     2 Number of back links =     2
```

```
 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2837.     2918.     5754.
 VOLUME    2718.     2632.     5350.
 CHANGE    -119.     -286.     -404.
   %         96.       90.       93.
CORREL.
 COEFF.    1.000     1.000     0.983
 %RMS      18.29     16.43     17.79
  r^2      1.000     1.000     0.965
  GEH        1.6       3.8       3.8

  GEH  <5    <7   <10   <12   >12
  #     2     4     4     4     0
  %  50.0 100.0 100.0 100.0   0.0

 Cordon Number : 17
 Description   : *  Crossing btw Waikato and BOP

                    FORWARD                          BACK                             TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1091.   1024    -67.  93.9   1.4    1018.    957    -61.  94.0   1.4    2109.   1981   -128.  93.9   *00200141 Near Tga RSI Site 23
  8178  9145     521.    501    -20.  96.2   0.6     524.    605     81. 115.5   2.4    1045.   1106     61. 105.8   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
 10206  9110     367.    273    -94.  74.4   3.7     392.    218   -174.  55.6   7.0     759.    491   -268.  64.7   *SH5 sth of Maraeroa Rotorua
  8528  4051     200.    145    -55.  72.5   3.0     194.    139    -55.  71.6   3.1     393.    284   -109.  72.3   *03000141 155m before Gun Club Rd
  8810 10726     364.    225   -139.  61.8   5.8     377.    232   -145.  61.5   5.8     741.    457   -284.  61.7   *00500082 520M Sth of ERP 77/3.70, Waiotapu

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2543.     2505.     5047.
 VOLUME    2168.     2151.     4319.
 CHANGE    -375.     -354.     -728.
   %         85.       86.       86.
CORREL.
 COEFF.    0.992     0.959     0.980
 %RMS      18.67     25.37     21.27
  r^2      0.985     0.920     0.961
  GEH        5.4       5.2       7.5

  GEH  <5    <7   <10   <12   >12
  #     7     9    10    10     0
  %  70.0  90.0 100.0 100.0   0.0

 Cordon Number : 18
 Description   : *  North Waikato Lateral

                    FORWARD                          BACK                             TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9645  9627    1032.    940    -92.  91.1   2.1     996.    782   -214.  78.5   5.1    2027.   1722   -305.  85.0   *01N00509 685m Sth of Tahuna Overbridge, Rangiriri
  9964  8308     266.    157   -109.  59.0   5.4     288.    157   -131.  54.5   6.3     554.    314   -240.  56.7   *02700011 Kaihere - Telemetry Site 33
  8455  9868     345.    363     18. 105.2   0.7     326.    392     66. 120.2   2.5     671.    755     84. 112.5   *02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
  8698  8281     431.    382    -49.  88.6   1.7     443.    381    -62.  86.0   2.2     874.    763   -111.  87.3   *00200098 200m Sth of Trigg Rd

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2074.     2053.     4126.
```

```
 VOLUME    1842.     1712.     3554.
 CHANGE    -232.     -341.     -572.
   %         89.       83.       86.
CORREL.
 COEFF.    0.987     0.946     0.972
 %RMS      16.91     30.01     23.08
  r^2      0.974     0.894     0.945
  GEH        3.7       5.5       6.5

  GEH  <5    <7   <10   <12   >12
  #     5     8     8     8     0
  %  62.5 100.0 100.0 100.0   0.0

 Cordon Number : 19
 Description   : *  Coromandel Peninsula

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8832  9232     254.    238    -16.  93.7   0.7     265.    272      7. 102.6   0.3     519.    510     -9.  98.3   *02500036 Speed Restriction Sign (Whakatete Bay Sth end)
  8854  8642     170.     63   -107.  37.1   7.1     212.    110   -102.  51.9   5.7     382.    173   -209.  45.3   *02500177 Swampy Stream Bridge

Number of links =     2 Number of forward links =     2 Number of back links =     2

 TOTALS   FORWARD    BACK      TOTALS

 COUNT      424.      477.      901.
 VOLUME     301.      382.      683.
 CHANGE    -123.      -95.     -218.
   %         71.       80.       76.
CORREL.
 COEFF.    1.000     1.000     1.000
 %RMS      51.03     42.87     46.44
  r^2      1.000     1.000     1.000
  GEH        4.6       3.2       5.5

  GEH  <5    <7   <10   <12   >12
  #     2     3     4     4     0
  %  50.0  75.0 100.0 100.0   0.0


 Cordon Number : 20
 Description   : * ALL WRTM CORDONS

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 11501 11500    1384.   1885    501. 136.2   8.7    1186.   1532    346. 129.2   6.6    2570.   3417    847. 133.0   02200001 SH22 East of Great South Road
 12150 12306     733.    634    -99.  86.5   2.7     738.    757     19. 102.6   0.5    1471.   1391    -80.  94.6   02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
 12418 11888     658.    643    -15.  97.7   0.4     676.    565   -111.  83.6   3.2    1334.   1208   -126.  90.6   West St (Btn Fausett & Coronation)
 11843 12380     211.    274     63. 129.9   2.9     208.    278     70. 133.7   3.2     419.    552    133. 131.7   Wellington St (Btn Harris & Fairfield)
 12338 12266     155.    111    -44.  71.6   2.7     159.    119    -40.  74.8   2.4     314.    230    -84.  73.2   Adams Rd (Btn Paerata Sth & Keith) 45m
 11527 11612     774.    648   -126.  83.7   3.3     819.    747    -72.  91.2   1.8    1593.   1395   -198.  87.6   Manukau Rd (btwn Kitchener and Harris) 1245m
 11903 11907     667.    281   -386.  42.1  12.5     877.    672   -205.  76.6   5.2    1544.    953   -591.  61.7   Massey Avenue (Roulston & Graham)
 12108 12116     416.    300   -116.  72.1   4.3     495.    601    106. 121.4   3.2     911.    901    -10.  98.9   KING ST NORTH OF MASSEY AVE
 11885 11886      40.      9    -31.  22.5   4.6      47.      9    -38.  19.1   5.2      87.     18    -69.  20.7   Birwood Road (Btn Helvetia & Tasman)
 12409 11965     124.    147     23. 118.5   1.3     129.    146     17. 113.2   1.1     253.    293     40. 115.8   Princes St West (Btn Helvetia & Duke)
 11946 11952     168.    114    -54.  67.9   3.2     176.    106    -70.  60.2   4.2     344.    220   -124.  64.0   Victoria St west (Btn Helvetia & Moloney)
 11944 11943     658.    577    -81.  87.7   2.3     639.    495   -144.  77.5   4.3    1297.   1072   -225.  82.7   West St-Pukekohe (btwn Fausett and Coronation) 913m
 11889 11573     149.     20   -129.  13.4   9.9     218.     58   -160.  26.6   9.6     367.     78   -289.  21.3   Glasgow road
 11819 13804     553.    682    129. 123.3   3.7     584.    621     37. 106.3   1.0    1137.   1303    166. 114.6   Puni Rd (Btn Ward & Urban/Rural) 530m
 12457 12475      97.     63    -34.  64.9   2.7      80.     68    -12.  85.0   1.0     177.    131    -46.  74.0   Anzac Road (Btn Kitchener & Dunnolly) 150m
 11712 11535     105.     89    -16.  84.8   1.2      97.     91     -6.  93.8   0.4     202.    180    -22.  89.1   Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
 11863 11851     129.     91    -38.  70.5   2.6      85.     98     13. 115.3   1.0     214.    189    -25.  88.3   John St South ((Btn Kitchener & Trevors)
```

12052	12053	68.	121	53.	177.9	3.8	53.	132	79.	249.1	5.9	120.	253	133.	210.8	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	57.	77	20.	135.1	1.7	56.	87	31.	155.4	2.5	113.	164	51.	145.1	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	35.	50	15.	142.9	1.7	39.	56	17.	143.6	1.9	74.	106	32.	143.2	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	29.	64	35.	220.7	3.8	34.	71	37.	208.8	3.5	63.	135	72.	214.3	Tuhimata
12030	13801	273.	199	-74.	72.9	3.4	310.	200	-110.	64.5	4.9	583.	399	-184.	68.4	Ward St - btn Wellington and Greenlane - 440m
5497	5765	953.	888	-65.	93.2	1.5	1116.	950	-166.	85.1	3.7	2069.	1838	-231.	88.8	*Ngaruawahia Bridge
4795	2723	150.	232	82.	154.7	4.2	150.	200	50.	133.3	2.7	300.	432	132.	144.0	*Horotiu Bridge - Guess
3526	3652	1481.	1840	359.	124.2	6.2	1670.	2026	356.	121.3	5.9	3151.	3866	715.	122.7	*Wairere Dr Bridge RSI 13 WBD
3606	4907	1200.	1539	339.	128.2	6.5	1313.	1433	120.	109.1	2.3	2513.	2972	459.	118.3	*Fairfield Bridge RSI 14 WBD
6739	3953	1344.	1547	203.	115.1	3.8	1450.	1410	-40.	97.2	0.7	2794.	2957	163.	105.8	*Boundary Rd Bridge RSI 15 WBD
9823	3453	879.	960	81.	109.2	1.9	622.	841	219.	135.2	5.7	1501.	1801	300.	120.0	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	1762.	1493	-269.	84.7	4.7	1824.	1907	83.	104.6	1.3	3586.	3400	-186.	94.8	*Bridge St Bridge RSI 17 WBD
3509	3099	1654.	2032	378.	122.9	6.2	1710.	2081	371.	121.7	6.0	3354.	4113	759.	122.6	*Cobham Dr Bridge RSI 18 SBD
4657	6296	310.	399	89.	128.7	3.3	307.	398	91.	129.6	3.5	617.	797	180.	129.2	*Narrows Bridge
6541	4542	830.	1015	185.	122.3	4.3	793.	858	65.	108.2	1.6	1623.	1873	250.	115.4	*Victoria Bridge (Cambridge)
10228	6171	583.	437	-146.	75.0	4.6	624.	489	-135.	78.4	4.1	1207.	926	-281.	76.7	*Shakepeare Bridge (Cambridge)
4808	10272	1095.	677	-418.	61.8	9.9	973.	600	-373.	61.7	9.4	2068.	1277	-791.	61.8	*SH1 sth of Shakespeare Cambridge
4872	6405	763.	878	115.	115.1	2.9	782.	945	163.	120.8	3.9	1545.	1823	278.	118.0	*SH3 nth of Tuere Te Awamutu
8270	10732	203.	203	0.	100.0	0.0	253.	195	-58.	77.1	2.7	456.	398	-58.	87.3	*SH39 sth of Hanning Piongia
3516	3507	193.	273	80.	141.5	3.7	195.	252	57.	129.2	2.7	388.	525	137.	135.3	*SH23 wst of Heddon Raglan
9771	9917	1334.	1135	-199.	85.1	4.0	1458.	1313	-145.	90.1	2.8	2792.	2448	-344.	87.7	*SH1 sth of Tregoweth Huntly
9264	9923	461.	429	-32.	93.1	1.1	324.	414	90.	127.8	3.3	785.	843	58.	107.4	*SH26 wst of Harbottle
10160	9850	520.	491	-29.	94.4	0.9	515.	432	-83.	83.9	2.7	1036.	923	-113.	89.1	*02700065 200m Sth of Matamata Airport Entrance
8178	9145	521.	501	-20.	96.2	0.6	524.	605	81.	115.5	2.4	1045.	1106	61.	105.8	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	367.	273	-94.	74.4	3.7	392.	218	-174.	55.6	7.0	759.	491	-268.	64.7	*SH5 sth of Maraeroa Rotorua
8528	4051	200.	145	-55.	72.5	3.0	194.	139	-55.	71.6	3.1	393.	284	-109.	72.3	*03000141 155m before Gun Club Rd
8792	8552	339.	170	-169.	50.1	7.5	314.	159	-155.	50.6	7.2	653.	329	-324.	50.4	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	237.	237	0.	100.0	0.0	307.	305	-2.	99.3	0.1	544.	542	-2.	99.6	*00500138 278m past Crown Rd (Taupo)
8274	8756	240.	255	15.	106.2	0.6	278.	279	1.	100.4	0.0	518.	534	16.	103.1	*SH1 sth of Taupahi Turangi
8273	8522	85.	75	-10.	88.2	0.8	87.	77	-10.	88.5	0.8	172.	152	-20.	88.4	*04700046 242m before State Highway 41
8779	8959	38.	37	-1.	97.4	0.2	40.	39	-1.	97.5	0.2	78.	76	-2.	97.4	*04100029 50m East of Moerangi Rd
8433	9836	348.	287	-61.	82.5	2.5	389.	285	-104.	73.3	4.0	737.	572	-165.	77.6	*SH3 nth of SH4 Te Kuiti
10134	3506	46.	29	-17.	63.0	2.1	48.	26	-22.	54.2	2.6	94.	55	-39.	58.5	*03100022 500m West of Ngutunui Rd
4111	10565	378.	457	79.	120.9	2.7	421.	449	28.	106.7	1.0	799.	906	107.	113.4	*02600002 875m West of Lissette Rd
5452	10678	293.	369	76.	125.9	3.0	310.	373	63.	120.3	2.4	603.	742	139.	123.1	*02600009 700m East of Platt Rd
5614	5613	146.	121	-25.	82.9	1.6	129.	129	0.	100.0	0.0	275.	250	-25.	90.9	*01B00015 500m past Gordonton Rd/Taylor Rd Intersection
2822	5485	177.	126	-51.	71.2	2.9	135.	130	-5.	96.3	0.2	312.	256	-56.	82.1	*01B00024 100m past Holland Rd Intersection
2688	5712	938.	766	-172.	81.7	4.2	1011.	868	-143.	85.9	3.3	1949.	1634	-315.	83.8	*01N00529 100m Sth of Hopu Hopu Rail Bridge
5849	6119	1125.	1023	-102.	90.9	2.2	1140.	1085	-55.	95.2	1.2	2266.	2108	-158.	93.0	*01N00563 120m Sth of Pickering Rd (Nth bound)
9559	9719	624.	468	-156.	75.0	4.7	687.	500	-187.	72.8	5.4	1311.	968	-343.	73.8	*00200033 By RS peg 32/1
8830	8305	323.	268	-55.	83.0	2.2	346.	282	-64.	81.5	2.6	669.	550	-119.	82.2	*00200052 650m past Orchard Rd
8873	3384	380.	311	-69.	81.8	2.7	387.	338	-49.	87.3	1.8	766.	649	-117.	84.7	*00200066 986m past of Awaiti Rd
8310	3401	511.	442	-69.	86.5	2.2	536.	376	-160.	70.1	5.3	1047.	818	-229.	78.1	*00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
8306	8739	327.	203	-124.	62.1	5.4	327.	306	-21.	93.6	0.8	654.	509	-145.	77.8	*02500021 335m before Hauraki Rd
8837	8836	65.	111	46.	170.8	3.5	58.	102	44.	175.9	3.5	123.	213	90.	173.2	*02500098 12m before 1st Abut Opitonui Stream Bridge
8499	9169	151.	176	25.	116.6	1.4	147.	129	-18.	87.8	1.1	298.	305	7.	102.3	*02500240 Nth of Gladestone Rd
8872	2948	230.	240	10.	104.3	0.5	241.	250	9.	103.7	0.5	471.	490	19.	104.0	*02600075 380m past Komata River Bridge
9964	8308	266.	157	-109.	59.0	5.4	288.	157	-131.	54.5	6.3	554.	314	-240.	56.7	*02700011 Kaihere - Telemetry Site 33
13522	13646	969.	1428	459.	147.4	9.4	1085.	1333	248.	122.9	5.0	2054.	2761	707.	134.4	*01N20482 400m before Horace Russell Rd (inc=01N10482)
9179	2984	215.	102	-113.	47.4	6.3	255.	154	-101.	60.4	5.0	470.	256	-214.	54.5	*25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig																
8728	3611	1091.	1024	-67.	93.9	1.4	1018.	957	-61.	94.0	1.4	2109.	1981	-128.	93.9	*00200141 Near Tga RSI Site 23
9138	3925	158.	218	60.	138.0	3.1	157.	337	180.	214.6	8.1	315.	555	240.	176.2	*03600012 760m Sth of Williams Rd, Pyes Pa
10798	10800	949.	1058	109.	111.5	2.5	986.	1041	55.	105.6	1.2	1935.	2099	164.	108.5	*00200187 Near Tga RSI Site 21
10727	8529	53.	42	-11.	79.2	1.0	48.	43	-5.	89.6	0.6	101.	85	-16.	84.2	*03200074 West of Taupo - Telemetry Site 43
8635	8551	721.	436	-285.	60.5	8.4	703.	343	-360.	48.8	11.1	1424.	779	-645.	54.7	*01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
8578	8416	417.	174	-243.	41.7	10.0	422.	177	-245.	41.9	10.1	839.	351	-488.	41.8	*01N00729 HALLETTS BAY - Telemetry Site 42
8954	11324	941.	1237	296.	131.5	6.3	1641.	1359	-282.	82.8	5.2	2582.	2596	14.	100.5	*01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
4352	8740	1224.	1056	-168.	86.3	3.5	1048.	1019	-29.	97.2	0.7	2272.	2075	-197.	91.3	*01N00705 100m Nth of SH5 (East to Napier)
8740	8932	988.	785	-203.	79.5	4.8	1016.	743	-273.	73.1	6.5	2004.	1528	-476.	76.2	*01N00706 300m Sth of State Highway 5 (Napier)
7164	3296	50.	106	56.	212.0	4.5	62.	125	63.	201.6	4.5	112.	231	119.	206.2	*Ruffell Rd north of Te Kowhat Rd 176
3287	3512	271.	241	-30.	88.9	1.3	334.	265	-69.	79.3	2.9	605.	506	-99.	83.6	*Te Kowhai Rd east of Tasman Rd 166
3483	3480	1904.	2005	101.	105.3	1.6	1864.	1885	21.	101.1	0.3	3768.	3890	122.	103.2	*SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97

3476	4904	1103.	718	-385.	65.1	9.0	997.	698	-299.	70.0	7.2	2100.	1416	-684.	67.4	*Forest Lake Rd railway underpass 63/64 2-Aug
4721	3456	742.	1125	383.	151.6	8.8	722.	595	-127.	82.4	3.5	1464.	1720	256.	117.5	*Norton Rd at railways 718 11-May 67
8209	6664	1548.	1701	153.	109.9	2.7	1547.	1224	-323.	79.1	6.1	3095.	2925	-170.	94.5	*Hall St Overpass 729 19-APR
5199	2654	1322.	856	-466.	64.8	10.0	1268.	836	-432.	65.9	9.4	2591.	1692	-899.	65.3	*Killarney Rd-railway crossing 141 9-Nov
3175	4709	1548.	1393	-155.	90.0	2.9	1600.	1643	43.	102.7	0.7	3148.	3036	-112.	96.4	*01N00552 120m east of railyway crossing *01N00552 120m ea
3168	4788	129.	220	91.	170.5	4.9	160.	217	57.	135.6	2.9	289.	437	148.	151.2	*Collins Rd-railway crossing 149 18-Sep 10:00 Friday, 8 September 2006
2556	10696	196.	281	85.	143.4	3.9	212.	277	65.	130.7	2.9	408.	558	150.	136.8	*Puketaha Rd 261
7120	2995	149.	38	-111.	25.5	8.1	53.	38	-15.	71.7	1.5	202.	76	-126.	37.6	*Fairview St btw Carrs&Watson 266
6908	5131	132.	206	74.	156.1	4.0	146.	217	71.	148.6	3.7	278.	423	145.	152.2	*Alderson St btw Tramway&Fairview 269
7024	5127	299.	287	-12.	96.0	0.5	328.	306	-22.	93.3	0.9	628.	593	-35.	94.4	*Powells Rd btw Tramway&Fairview 270
3921	3920	321.	341	20.	106.2	0.8	372.	364	-8.	97.8	0.3	693.	705	12.	101.7	*Ruakura Rd east of Silverdale 155
3480	3488	2381.	1958	-423.	82.2	6.4	2182.	1743	-439.	79.9	7.0	4563.	3701	-862.	81.1	*01N00546 400M North of Avalon/Te Rap
3644	3938	904.	799	-105.	88.4	2.6	887.	767	-120.	86.5	3.0	1790.	1566	-224.	87.5	*Pukete Rd btw Cullimore&Wairere 255
7284	3477	161.	78	-83.	48.4	5.3	122.	86	-36.	70.5	2.5	282.	164	-118.	58.2	*Totara Dr at the overbridge 196
3588	3589	895.	800	-95.	89.4	2.3	777.	692	-85.	89.1	2.2	1671.	1492	-179.	89.3	*River Rd north of Wairere Dr 189
3503	2767	790.	775	-15.	98.1	0.4	601.	785	184.	130.6	4.9	1391.	1560	169.	112.1	*Resolution Dr north of wairere dr 188 ?
3558	3557	710.	787	77.	110.8	2.0	666.	650	-16.	97.6	0.4	1376.	1437	61.	104.4	*Hukanui Rd north of Wairere Dr 264/416
2556	2523	392.	456	64.	116.3	2.2	395.	489	94.	123.8	3.2	787.	945	158.	120.1	*Gordonton Rd btw Crosby&Greenhill change the count statio
3336	4906	244.	434	190.	177.9	7.3	251.	469	218.	186.9	8.1	496.	903	407.	182.1	*Tuhikaramea Rd by speed limit sign 752
3770	4763	1425.	1602	177.	112.4	3.2	1319.	1310	-9.	99.3	0.2	2744.	2912	168.	106.1	*Ohaupo Rd 200m north of Normandy 133
8214	2647	2434.	1626	-808.	66.8	12.7	986.	1276	290.	129.4	6.1	3420.	2902	-518.	84.9	*Normandy Ave north of Bader St
3587	4157	1910.	1690	-220.	88.5	3.7	1739.	1679	-60.	96.5	1.0	3649.	3369	-280.	92.3	*01N10558 135m north of Riverlea R
4113	2899	240.	292	52.	121.7	2.3	183.	259	76.	141.5	3.6	423.	551	128.	130.3	*Matangi Rd at bridge 151
6531	6544	1076.	1216	140.	113.0	2.9	1242.	1251	9.	100.7	0.2	2318.	2467	149.	106.4	Victoria St (Queen/Whitaker) ITM scaled to 2hr 1.71
4449	4470	268.	378	110.	141.0	4.3	347.	395	48.	113.8	1.8	616.	773	157.	125.5	Victoria Rd(Taylor/Hautapu) ITM scaled to 2hr
2724	5400	109.	117	8.	107.3	0.5	79.	114	35.	144.3	2.6	188.	231	43.	122.9	Thornton Rd (Victoria/Grosvenor)
5690	5849	1125.	1022	-103.	90.8	2.2	1140.	1085	-55.	95.2	1.2	2266.	2107	-159.	93.0	SH1n 120m south of Pickering Rd 01N00563 Avg of 06
10684	2621	663.	841	178.	126.8	4.6	706.	868	162.	122.9	4.1	1369.	1709	340.	124.8	SH3 1510m past SH21 00300012 08.11.06proxy
2504	4148	227.	133	-94.	58.6	5.0	213.	176	-37.	82.6	1.8	440.	309	-131.	70.2	Bond Rd 30m nth of Rogers Pl 2008 counts provided by J Winter, scaled
6178	6214	335.	241	-94.	71.9	3.9	319.	243	-76.	76.2	3.2	654.	484	-170.	74.0	18000m Cambridge Rd Rural 115 CAMBRIDGE 27Nov2006.EC022.11.06
5418	6206	694.	589	-105.	84.9	3.0	685.	590	-95.	86.1	2.6	1379.	1179	-200.	85.5	Alexandra St 068 ALEXANDRA 05Dec2006.EC029.11.06
5926	6136	104.	121	17.	116.3	1.1	90.	117	27.	130.0	1.8	194.	238	44.	122.7	Bridgman Rd 010 BRIDGMAN 03Nov2006.EC0 25.10.06
4510	2824	497.	553	56.	111.3	1.7	598.	561	-37.	93.8	1.1	1095.	1114	19.	101.7	200m sth of Cambridge Rd RAB 00300027 11.10.06
11582	9564	814.	581	-233.	71.4	6.3	886.	652	-234.	73.6	6.0	1699.	1233	-466.	72.6	*00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
13672	13500	2023.	2137	114.	105.6	1.8	No Back Link Present .					2023.	2137	114.	105.6	*01N10474 Bombay-Telemetry No Site 72-SB NB
13784	13500	No Forward Link Present .					2032.	1980	-52.	97.4	0.8	2032.	1980	-52.	97.4	*01N10474 Bombay-Telemetry No Site 72-SB SB
8810	10726	364.	225	-139.	61.8	5.8	377.	232	-145.	61.5	5.8	741.	457	-284.	61.7	*00500082 520M Sth of ERP 77/3.70, Waiotapu
9645	9627	1032.	940	-92.	91.1	2.1	996.	782	-214.	78.5	5.1	2027.	1722	-305.	85.0	*01N00509 685m Sth of Tahuna Overbridge, Rangiriri
8455	9868	345.	363	18.	105.2	0.7	326.	392	66.	120.2	2.5	671.	755	84.	112.5	*02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
8698	8281	431.	382	-49.	88.6	1.7	443.	381	-62.	86.0	2.2	874.	763	-111.	87.3	*00200098 200m Sth of Trigg Rd
8832	9232	254.	238	-16.	93.7	0.7	265.	272	7.	102.6	0.3	519.	510	-9.	98.3	*02500036 Speed Restriction Sign (Whakatete Bay Sth end)
8854	8642	170.	63	-107.	37.1	7.1	212.	110	-102.	51.9	5.7	382.	173	-209.	45.3	*02500177 Swampy Stream Bridge

Number of links = 121 Number of forward links = 120 Number of back links = 120

TOTALS	FORWARD	BACK	TOTALS
COUNT	72010.	71628.	143627.
VOLUME	69309.	68461.	137770.
CHANGE	-2701.	-3167.	-5857.
%	96.	96.	96.
CORREL. COEFF.	0.945	0.961	0.961

```
%RMS      29.93     24.47     24.19
 r^2      0.894     0.924     0.923
 GEH        7.2       8.5      11.0

 GEH  <5    <7   <10   <12   >12
 #   184   214   236   238     2
 %  76.7  89.2  98.3  99.2   0.8


CORDON terminated successfully
```

Evening Peak Screenline Validation Output Files

```
+-------------------------------------------+
| TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TR |
|  TRACKS +-------------------------+ TRACKS  |
| S TRACKS|                         |S TRACKS |
| KS TRACK|   Program  :     CORDON  |KS TRACK |
| CKS TRAC|   Version  :      V7.08  |CKS TRAC |
| ACKS TRA|                         |ACKS TRA |
| RACKS TR|   Date run :  18-FEB-14  |RACKS TR |
| TRACKS T|   Time run :   16:43:34  |TRACKS T |
|  TRACKS |   Platform :  Win 95/NT  | TRACKS  |
| S TRACKS+-------------------------+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+-------------------------------------------+
+-------------------------------------------+
|              TRACKS Licenced to           |
|  Gabites Porter                           |
|         at :   Christchurch, N.Z.         |
+-------------------------------------------+
            Build Date : 27/08/12 07:32
            Parameter version : V7.00
```

```
Network Period Factor :  1.000

 Cordon Period Factor :  1.000

    GEH Period Factor :  2.000

  CSV Output File :


Cordon Data File  : "PM_VAL.TXT"
Loaded Network    : "WL06B0PALLB0.NL"
                  27424 Links in network


Cordon Number :  1
Description   : *1  Franklin Counts
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	1554.	1746	192.	112.4	3.3	2526.	2125	-401.	84.1	5.9	4080.	3871	-209.	94.9	02200001 SH22 East of Great South Road
12141	12150	1142.	1049	-93.	91.9	2.0	901.	995	94.	110.4	2.2	2043.	2044	1.	100.0	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	1144.	1106	-38.	96.7	0.8	651.	603	-48.	92.6	1.4	1795.	1709	-86.	95.2	West St (Btn Fausett & Coronation)
11843	12380	305.	275	-30.	90.2	1.2	360.	395	35.	109.7	1.2	665.	670	5.	100.8	Wellington St (Btn Harris & Fairfield)
12338	12266	108.	119	11.	110.2	0.7	199.	249	50.	125.1	2.4	307.	368	61.	119.9	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	797.	671	-126.	84.2	3.3	1006.	1161	155.	115.4	3.3	1803.	1832	29.	101.6	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	533.	578	45.	108.4	1.4	869.	919	50.	105.8	1.2	1402.	1497	95.	106.8	Massey Avenue (Roulston & Graham)
12108	12116	431.	320	-111.	74.2	4.0	495.	567	72.	114.5	2.2	926.	887	-39.	95.8	KING ST NORTH OF MASSEY AVE
11885	11886	60.	15	-45.	25.0	5.3	60.	7	-53.	11.7	6.6	120.	22	-98.	18.3	Birwood Road (Btn Helvetia & Tasman)
12409	11965	180.	114	-66.	63.3	3.8	269.	228	-41.	84.8	1.8	449.	342	-107.	76.2	Princes St West (Btn Helvetia & Duke)
11946	11952	307.	125	-182.	40.7	8.8	238.	186	-52.	78.2	2.5	545.	311	-234.	57.1	Victoria St west (Btn Helvetia & Moloney)
11944	11943	1144.	907	-237.	79.3	5.3	651.	523	-128.	80.3	3.7	1795.	1430	-365.	79.7	West St-Pukekohe (btwn Fausett and Coronation) 913m
11573	11610	123.	56	-67.	45.5	4.9	200.	129	-71.	64.5	4.0	323.	185	-138.	57.3	Glasgow road
11819	13804	923.	1170	247.	126.8	5.4	657.	698	41.	106.2	1.1	1580.	1868	288.	118.2	Puni Rd (Btn Ward & Urban/Rural) 530m

```
 12457 12475     166.     53   -113.  31.9   7.7     114.    111     -3.  97.4   0.3     279.    164   -115.  58.8   Anzac Road (Btn Kitchener & Dunnolly) 150m
 11712 11535     114.     94    -20.  82.5   1.4     188.    144    -44.  76.6   2.4     302.    238    -64.  78.8   Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
 11863 11851     204.     79   -125.  38.7   7.5      90.    152     62. 168.9   4.0     294.    231    -63.  78.6   John St South ((Btn Kitchener & Trevors)
 12052 12053     112.    165     53. 147.3   3.1      93.    173     80. 186.0   4.9     205.    338    133. 164.9   Ray Wright Road (BTN UPPER QUEEN & TUAKAU)   1653m
 12055 11619     104.     76    -28.  73.1   2.1      60.    195    135. 325.0   8.4     164.    271    107. 165.2   Station road (Btn Yates & Urban/Rural)   80m
 12018 12174      59.     66      7. 111.9   0.7      61.     68      7. 111.5   0.7     120.    134     14. 111.7   Golding Road(Btn Logan & End of New Seal)  487m
 12270 12368      35.     90     55. 257.1   5.0      33.    102     69. 309.1   6.0      68.    192    124. 282.4   Tuhimata
 12030 13801     231.    191    -40.  82.7   2.0     292.    425    133. 145.5   4.9     523.    616     93. 117.8   Ward St - btn Wellington and Greenlane - 440m

Number of links =    22 Number of forward links =    22 Number of back links =    22

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     9776.    10013.    19788.
 VOLUME    9065.    10155.    19220.
 CHANGE    -711.      142.     -568.
   %         93.      101.       97.
CORREL.
 COEFF.    0.975     0.981     0.989
 %RMS      25.82     25.85     16.31
  r^2      0.950     0.963     0.978
  GEH        5.2       1.0       2.9

  GEH  <5    <7   <10   <12   >12
  #    33    40    44    44     0
  %  75.0  90.9 100.0 100.0   0.0

 Cordon Number :  2
 Description   : *Waikato River Bridges

                    FORWARD                          BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  5497  5765    1351.   1119   -232.  82.8   4.7    1296.   1465    169. 113.0   3.2    2647.   2584    -63.  97.6   *Ngaruawahia Bridge
  4795  2723     200.    458    258. 229.0  10.1     200.    173    -27.  86.5   1.5     400.    631    231. 157.8   *Horotiu Bridge - Guess
  3526  3652    1779.   1442   -337.  81.1   5.9    2600.   3286    686. 126.4   8.9    4379.   4728    349. 108.0   *Wairere Dr Bridge RSI 13 WBD
  3606  4907     976.   1081    105. 110.8   2.3    1372.   1706    334. 124.3   6.0    2348.   2787    439. 118.7   *Fairfield Bridge RSI 14 WBD
  6739  3953    1658.   1240   -418.  74.8   7.8    2951.   2725   -226.  92.3   3.0    4609.   3965   -644.  86.0   *Boundary Rd Bridge RSI 15 WBD
  9823  3453     954.    755   -199.  79.1   4.8    1396.   1906    510. 136.5   8.9    2350.   2661    311. 113.2   *Claudelands Rd Bridge RSI 16 WBD
  9824  8233    2047.   1281   -766.  62.6  13.3    2326.   3019    693. 129.8   9.5    4373.   4300    -73.  98.3   *Bridge St Bridge RSI 17 WBD
  3509  3099    2053.   1820   -233.  88.7   3.7    3090.   2836   -254.  91.8   3.3    5143.   4656   -487.  90.5   *Cobham Dr Bridge RSI 18 SBD
  4657  6296     523.    459    -64.  87.8   2.0     585.    634     49. 108.4   1.4    1108.   1093    -15.  98.6   *Narrows Bridge
  6541  4542    1408.   1445     37. 102.6   0.7     885.    779   -106.  88.0   2.6    2293.   2224    -69.  97.0   *Victoria Bridge (Cambridge)
 10228  6171     804.    821     17. 102.1   0.4     493.    440    -53.  89.2   1.7    1297.   1261    -36.  97.2   *Shakepeare Bridge (Cambridge)

Number of links =    11 Number of forward links =    11 Number of back links =    11

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    13753.    17194.    30947.
 VOLUME   11921.    18969.    30890.
 CHANGE   -1832.     1775.      -57.
   %         87.      110.      100.
CORREL.
 COEFF.    0.913     0.952     0.980
 %RMS      26.60     24.64     11.96
  r^2      0.833     0.907     0.959
  GEH       11.4       9.3       0.2

  GEH  <5    <7   <10   <12   >12
  #    14    16    20    21     1
  %  63.6  72.7  90.9  95.5   4.5
```

```
 Cordon Number :  3
 Description   : *Hamilton Model External Cordon

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  4808 10272    1379.   1119   -260.  81.1   5.2    1383.    898   -485.  64.9  10.1    2762.   2017   -745.  73.0   *SH1 sth of Shakespeare Cambridge
  4872  6405     981.    946    -35.  96.4   0.8    1222.   1460    238. 119.5   4.6    2203.   2406    203. 109.2   *SH3 nth of Tuere Te Awamutu
  8270 10732     274.    267     -7.  97.4   0.3     283.    357     74. 126.1   2.9     557.    624     67. 112.0   *SH39 sth of Hanning Piongia
  3516  3507     200.    282     82. 141.0   3.7     405.    378    -27.  93.3   0.9     606.    660     54. 108.9   *SH23 wst of Heddon Raglan
  9743  9772    1536.   1590     54. 103.5   1.0    1750.   1676    -74.  95.8   1.3    3286.   3266    -20.  99.4   *SH1 sth of Tregoweth Huntly
  9264  9923     534.    805    271. 150.7   7.4     582.    473   -109.  81.3   3.4    1116.   1278    162. 114.5   *SH26 wst of Harbottle

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4904.     5625.    10530.
 VOLUME    5009.     5242.    10251.
 CHANGE     105.     -383.     -279.
   %        102.       93.       97.
CORREL.
 COEFF.    0.954     0.916     0.954
 %RMS      21.33     26.79     20.23
  r^2      0.911     0.839     0.911
  GEH        1.0       3.7       1.9

  GEH  <5    <7   <10   <12   >12
  #     9    10    11    12     0
  %  75.0  83.3  91.7 100.0   0.0

 Cordon Number :  4
 Description   : *Waikato Model External Cordon

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9743  9772    1536.   1590     54. 103.5   1.0    1750.   1676    -74.  95.8   1.3    3286.   3266    -20.  99.4   *SH1 sth of Tregoweth Huntly
  9264  9923     534.    805    271. 150.7   7.4     582.    473   -109.  81.3   3.4    1116.   1278    162. 114.5   *SH26 wst of Harbottle
 10160  9850     578.    671     93. 116.1   2.6     566.    614     48. 108.5   1.4    1144.   1285    141. 112.3   *02700065 200m Sth of Matamata Airport Entrance
  8178  9145     828.    685   -143.  82.7   3.7     651.    806    155. 123.8   4.1    1479.   1491     12. 100.8   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
 10206  9110     383.    400     17. 104.4   0.6     442.    225   -217.  50.9   8.4     825.    625   -200.  75.8   *SH5 sth of Maraeroa Rotorua
  8528  4051     304.    103   -201.  33.9  10.0     336.    296    -40.  88.1   1.6     640.    399   -241.  62.3   *03000141 155m before Gun Club Rd
  8792  8552     345.    159   -186.  46.1   8.3     384.    221   -163.  57.6   6.7     729.    380   -349.  52.1   *00500125 98m before State Highway 1 (Wairakei)
  8417  8780     274.    280      6. 102.2   0.3     279.    280      1. 100.4   0.1     553.    560      7. 101.3   *00500138 278m past Crown Rd (Taupo)
  8274  8756     302.    293     -9.  97.0   0.4     199.    222     23. 111.6   1.2     501.    515     14. 102.8   *SH1 sth of Taupahi Turangi
  8273  8522     180.    153    -27.  85.0   1.5      63.     56     -7.  88.9   0.6     243.    209    -34.  86.0   *04700046 242m before State Highway 41
  8779  8959      41.     46      5. 112.2   0.6      44.     44      0. 100.0   0.0      85.     90      5. 105.9   *04100029 50m East of Moerangi Rd
  8433  9836     293.    313     20. 106.8   0.8     372.    431     59. 115.9   2.0     665.    744     79. 111.9   *SH3 nth of SH4 Te Kuiti
 10134  3506      67.     18    -49.  26.9   5.2      43.     56     13. 130.2   1.4     110.     74    -36.  67.3   *03100022 500m West of Ngutunui Rd
  3516  3507     200.    282     82. 141.0   3.7     405.    378    -27.  93.3   0.9     606.    660     54. 108.9   *SH23 wst of Heddon Raglan

Number of links =    14 Number of forward links =    14 Number of back links =    14

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     5865.     6116.    11982.
 VOLUME    5798.     5778.    11576.
 CHANGE     -67.     -338.     -406.
   %         99.       94.       97.
CORREL.
 COEFF.    0.958     0.975     0.985
 %RMS      28.94     22.35     17.10
```

```
  r^2      0.917     0.951     0.970
  GEH        0.6       3.1       2.6

  GEH  <5    <7   <10   <12   >12
  #    22    24    27    28     0
  %  78.6  85.7  96.4 100.0   0.0

 Cordon Number :  5
 Description   : *Rest of Hamilton

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  4111 10565     599.    600      1. 100.2   0.1     514.    568     54. 110.5   1.6    1113.   1168     55. 104.9   *02600002 875m  West of Lissette Rd
  5452 10678     483.    425    -58.  88.0   1.9     364.    558    194. 153.3   6.4     847.    983    136. 116.1   *02600009 700m East of Platt Rd
  5614  5613     213.    272     59. 127.7   2.7     184.    229     45. 124.5   2.2     397.    501    104. 126.2   *01B00015 500m past Gordonton Rd/Taylor Rd Intersection
  2822  5485     269.    272      3. 101.1   0.2     219.    219      0. 100.0   0.0     487.    491      4. 100.8   *01B00024 100m past Holland Rd Intersection
  2688  5712    1183.   1015   -168.  85.8   3.6    1211.   1256     45. 103.7   0.9    2393.   2271   -122.  94.9   *01N00529 100m Sth of Hopu Hopu Rail Bridge
  5849  6119    1919.   1250   -669.  65.1  11.9    1431.   1123   -308.  78.5   6.1    3350.   2373   -977.  70.8   *01N00563 120m Sth of Pickering Rd (Nth bound)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4666.     3923.     8587.
 VOLUME    3834.     3953.     7787.
 CHANGE    -832.       30.     -800.
   %         82.      101.       91.
CORREL.
 COEFF.    0.980     0.960     0.970
 %RMS      39.95     25.54     31.28
  r^2      0.960     0.921     0.942
  GEH        9.0       0.3       6.3

  GEH  <5    <7   <10   <12   >12
  #     9    11    11    12     0
  %  75.0  91.7  91.7 100.0   0.0

 Cordon Number :  6
 Description   : *North

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9559  9719     661.    605    -56.  91.5   1.6     694.    478   -216.  68.9   6.3    1355.   1083   -272.  79.9   *00200033 By RS peg 32/1
  8830  8305     380.    317    -63.  83.4   2.4     327.    280    -47.  85.6   1.9     706.    597   -109.  84.6   *00200052 650m past Orchard Rd
  8873  3384     438.    413    -25.  94.3   0.9     386.    374    -12.  96.9   0.4     824.    787    -37.  95.5   *00200066 986m past of Awaiti Rd
  8310  3401     654.    516   -138.  78.9   4.0     503.    533     30. 106.0   0.9    1157.   1049   -108.  90.7   *00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
  8306  8739     322.    326      4. 101.2   0.2     393.    409     16. 104.1   0.6     715.    735     20. 102.8   *02500021 335m before Hauraki Rd
  8837  8836      65.    141     76. 216.9   5.3      53.    136     83. 256.6   6.1     118.    277    159. 234.7   *02500098 12m before 1st Abut Opitonui Stream Bridge
  8499  9169     153.    181     28. 118.3   1.5     193.    217     24. 112.4   1.2     346.    398     52. 115.0   *02500240 Nth of Gladestone Rd
  8872  2948     233.    296     63. 127.0   2.8     278.    352     74. 126.6   2.9     511.    648    137. 126.8   *02600075 380m past Komata River Bridge
  9964  8308     272.    190    -82.  69.9   3.8     295.    208    -87.  70.5   3.8     567.    398   -169.  70.2   *02700011 Kaihere - Telemetry Site 33
 13646 13522    1507.   1887    380. 125.2   6.5    1232.   1651    419. 134.0   7.8    2739.   3538    799. 129.2   *01N20482 400m before Horace Russell Rd (inc=01N10482)
  9179  2984     320.    184   -136.  57.5   6.1     194.    118    -76.  60.8   4.3     515.    302   -213.  58.6   *25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig

Number of links =    11 Number of forward links =    11 Number of back links =    11

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     5005.     4548.     9553.
 VOLUME    5056.     4756.     9812.
 CHANGE      51.      208.      259.
```

```
   %       101.      105.      103.
CORREL.
 COEFF.    0.973     0.950     0.968
 %RMS      31.62     38.40     33.74
  r^2      0.947     0.903     0.937
  GEH        0.5       2.2       1.9

  GEH  <5    <7   <10   <12   >12
  #    16    21    22    22     0
  %  72.7  95.5 100.0 100.0   0.0

 Cordon Number :  7
 Description   : *Tauranga

                    FORWARD                         BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1683.   1567   -116.  93.1   2.0    1239.    954   -285.  77.0   6.1    2922.   2521   -401.  86.3   *00200141 Near Tga RSI Site 23
  8178  9145     828.    685   -143.  82.7   3.7     651.    806    155. 123.8   4.1    1479.   1491     12. 100.8   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
  9138  3925     300.    222    -78.  74.0   3.4     280.    344     64. 122.9   2.6     581.    566    -15.  97.4   *03600012 760m Sth of Williams Rd, Pyes Pa
 10798 10800    1299.   1240    -59.  95.5   1.2    1260.   1390    130. 110.3   2.5    2558.   2630     72. 102.8   *00200187 Near Tga RSI Site 21

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4110.     3430.     7540.
 VOLUME    3714.     3494.     7208.
 CHANGE    -396.       64.     -332.
   %         90.      102.       96.
CORREL.
 COEFF.    0.998     0.904     0.982
 %RMS      11.72     23.92     12.49
  r^2      0.996     0.817     0.964
  GEH        4.5       0.8       2.7

  GEH  <5    <7   <10   <12   >12
  #     7     8     8     8     0
  %  87.5 100.0 100.0 100.0   0.0

 Cordon Number :  8
 Description   : *South

                    FORWARD                         BACK                          TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 10727  8529      52.     70     18. 134.6   1.6      52.     56      4. 107.7   0.4     104.    126     22. 121.2   *03200074 West of Taupo - Telemetry Site 43
  8635  8551     952.    458   -494.  48.1  13.2     689.    297   -392.  43.1  12.5    1641.    755   -886.  46.0   *01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
  8578  8416     406.    125   -281.  30.8  12.2     463.    268   -195.  57.9   7.2     868.    393   -475.  45.3   *01N00729 HALLETTS BAY - Telemetry Site 42
  8954 11324    1049.   1349    300. 128.6   6.1    1871.   1593   -278.  85.1   4.7    2919.   2942     23. 100.8   *01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
  4352  8740    1634.   1751    117. 107.2   2.0     978.    769   -209.  78.6   5.0    2611.   2520    -91.  96.5   *01N00705 100m Nth of SH5 (East to Napier)
  8740  8932    1361.   1315    -46.  96.6   0.9    1100.    517   -583.  47.0  14.5    2460.   1832   -628.  74.5   *01N00706 300m Sth of State Highway 5 (Napier)

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     5454.     5153.    10603.
 VOLUME    5068.     3500.     8568.
 CHANGE    -386.    -1653.    -2035.
   %         93.       68.       81.
CORREL.
 COEFF.    0.923     0.950     0.946
```

```
%RMS      32.23     42.06     30.10
 r^2      0.852     0.902     0.895
 GEH        3.8      17.8      14.7

 GEH  <5    <7   <10   <12   >12
 #     5     7     8     8     4
 %  41.7  58.3  66.7  66.7  33.3

Cordon Number :  9
Description   : *All RSI
```

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
11501	11500	1554.	1746	192.	112.4	3.3	2526.	2125	-401.	84.1	5.9	4080.	3871	-209.	94.9	02200001 SH22 East of Great South Road
12141	12150	1142.	1049	-93.	91.9	2.0	901.	995	94.	110.4	2.2	2043.	2044	1.	100.0	02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
12418	11888	1144.	1106	-38.	96.7	0.8	651.	603	-48.	92.6	1.4	1795.	1709	-86.	95.2	West St (Btn Fausett & Coronation)
11843	12380	305.	275	-30.	90.2	1.2	360.	395	35.	109.7	1.2	665.	670	5.	100.8	Wellington St (Btn Harris & Fairfield)
12338	12266	108.	119	11.	110.2	0.7	199.	249	50.	125.1	2.4	307.	368	61.	119.9	Adams Rd (Btn Paerata Sth & Keith) 45m
11527	11612	797.	671	-126.	84.2	3.3	1006.	1161	155.	115.4	3.3	1803.	1832	29.	101.6	Manukau Rd (btwn Kitchener and Harris) 1245m
11903	11907	533.	578	45.	108.4	1.4	869.	919	50.	105.8	1.2	1402.	1497	95.	106.8	Massey Avenue (Roulston & Graham)
12108	12116	431.	320	-111.	74.2	4.0	495.	567	72.	114.5	2.2	926.	887	-39.	95.8	KING ST NORTH OF MASSEY AVE
11885	11886	60.	15	-45.	25.0	5.3	60.	7	-53.	11.7	6.6	120.	22	-98.	18.3	Birwood Road (Btn Helvetia & Tasman)
12409	11965	180.	114	-66.	63.3	3.8	269.	228	-41.	84.8	1.8	449.	342	-107.	76.2	Princes St West (Btn Helvetia & Duke)
11946	11952	307.	125	-182.	40.7	8.8	238.	186	-52.	78.2	2.5	545.	311	-234.	57.1	Victoria St west (Btn Helvetia & Moloney)
11944	11943	1144.	907	-237.	79.3	5.3	651.	523	-128.	80.3	3.7	1795.	1430	-365.	79.7	West St-Pukekohe (btwn Fausett and Coronation) 913m
11573	11610	123.	56	-67.	45.5	4.9	200.	129	-71.	64.5	4.0	323.	185	-138.	57.3	Glasgow road
11819	13804	923.	1170	247.	126.8	5.4	657.	698	41.	106.2	1.1	1580.	1868	288.	118.2	Puni Rd (Btn Ward & Urban/Rural) 530m
12457	12475	166.	53	-113.	31.9	7.7	114.	111	-3.	97.4	0.3	279.	164	-115.	58.8	Anzac Road (Btn Kitchener & Dunnolly) 150m
11712	11535	114.	94	-20.	82.5	1.4	188.	144	-44.	76.6	2.4	302.	238	-64.	78.8	Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
11863	11851	204.	79	-125.	38.7	7.5	90.	152	62.	168.9	4.0	294.	231	-63.	78.6	John St South ((Btn Kitchener & Trevors)
12052	12053	112.	165	53.	147.3	3.1	93.	173	80.	186.0	4.9	205.	338	133.	164.9	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	104.	76	-28.	73.1	2.1	60.	195	135.	325.0	8.4	164.	271	107.	165.2	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	59.	66	7.	111.9	0.7	61.	68	7.	111.5	0.7	120.	134	14.	111.7	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	35.	90	55.	257.1	5.0	33.	102	69.	309.1	6.0	68.	192	124.	282.4	Tuhimata
12030	13801	231.	191	-40.	82.7	2.0	292.	425	133.	145.5	4.9	523.	616	93.	117.8	Ward St - btn Wellington and Greenlane - 440m
5497	5765	1351.	1119	-232.	82.8	4.7	1296.	1465	169.	113.0	3.2	2647.	2584	-63.	97.6	*Ngaruawahia Bridge
4795	2723	200.	458	258.	229.0	10.1	200.	173	-27.	86.5	1.5	400.	631	231.	157.8	*Horotiu Bridge - Guess
3526	3652	1779.	1442	-337.	81.1	5.9	2600.	3286	686.	126.4	8.9	4379.	4728	349.	108.0	*Wairere Dr Bridge RSI 13 WBD
3606	4907	976.	1081	105.	110.8	2.3	1372.	1706	334.	124.3	6.0	2348.	2787	439.	118.7	*Fairfield Bridge RSI 14 WBD
6739	3953	1658.	1240	-418.	74.8	7.8	2951.	2725	-226.	92.3	3.0	4609.	3965	-644.	86.0	*Boundary Rd Bridge RSI 15 WBD
9823	3453	954.	755	-199.	79.1	4.8	1396.	1906	510.	136.5	8.9	2350.	2661	311.	113.2	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	2047.	1281	-766.	62.6	13.3	2326.	3019	693.	129.8	9.5	4373.	4300	-73.	98.3	*Bridge St Bridge RSI 17 WBD
3509	3099	2053.	1820	-233.	88.7	3.7	3090.	2836	-254.	91.8	3.3	5143.	4656	-487.	90.5	*Cobham Dr Bridge RSI 18 SBD
4657	6296	523.	459	-64.	87.8	2.0	585.	634	49.	108.4	1.4	1108.	1093	-15.	98.6	*Narrows Bridge
6541	4542	1408.	1445	37.	102.6	0.7	885.	779	-106.	88.0	2.6	2293.	2224	-69.	97.0	*Victoria Bridge (Cambridge)
10228	6171	804.	821	17.	102.1	0.4	493.	440	-53.	89.2	1.7	1297.	1261	-36.	97.2	*Shakepeare Bridge (Cambridge)
4808	10272	1379.	1119	-260.	81.1	5.2	1383.	898	-485.	64.9	10.1	2762.	2017	-745.	73.0	*SH1 sth of Shakespeare Cambridge
4872	6405	981.	946	-35.	96.4	0.8	1222.	1460	238.	119.5	4.6	2203.	2406	203.	109.2	*SH3 nth of Tuere Te Awamutu
8270	10732	274.	267	-7.	97.4	0.3	283.	357	74.	126.1	2.9	557.	624	67.	112.0	*SH39 sth of Hanning Piongia
3516	3507	200.	282	82.	141.0	3.7	405.	378	-27.	93.3	0.9	606.	660	54.	108.9	*SH23 wst of Heddon Raglan
9743	9772	1536.	1590	54.	103.5	1.0	1750.	1676	-74.	95.8	1.3	3286.	3266	-20.	99.4	*SH1 sth of Tregoweth Huntly
9264	9923	534.	805	271.	150.7	7.4	582.	473	-109.	81.3	3.4	1116.	1278	162.	114.5	*SH26 wst of Harbottle
10160	9850	578.	671	93.	116.1	2.6	566.	614	48.	108.5	1.4	1144.	1285	141.	112.3	*02700065 200m Sth of Matamata Airport Entrance
8178	9145	828.	685	-143.	82.7	3.7	651.	806	155.	123.8	4.1	1479.	1491	12.	100.8	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	383.	400	17.	104.4	0.6	442.	225	-217.	50.9	8.4	825.	625	-200.	75.8	*SH5 sth of Maraeroa Rotorua
8528	4051	304.	103	-201.	33.9	10.0	336.	296	-40.	88.1	1.6	640.	399	-241.	62.3	*03000141 155m before Gun Club Rd
8792	8552	345.	159	-186.	46.1	8.3	384.	221	-163.	57.6	6.7	729.	380	-349.	52.1	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	274.	280	6.	102.2	0.3	279.	280	1.	100.4	0.1	553.	560	7.	101.3	*00500138 278m past Crown Rd (Taupo)
8274	8756	302.	293	-9.	97.0	0.4	199.	222	23.	111.6	1.2	501.	515	14.	102.8	*SH1 sth of Taupahi Turangi
8273	8522	180.	153	-27.	85.0	1.5	63.	56	-7.	88.9	0.6	243.	209	-34.	86.0	*04700046 242m before State Highway 41
8779	8959	41.	46	5.	112.2	0.6	44.	44	0.	100.0	0.0	85.	90	5.	105.9	*04100029 50m East of Moerangi Rd
8433	9836	293.	313	20.	106.8	0.8	372.	431	59.	115.9	2.0	665.	744	79.	111.9	*SH3 nth of SH4 Te Kuiti

10134	3506	67.	18	-49.	26.9	5.2	43.	56	13.	130.2	1.4	110.	74	-36.	67.3	*03100022 500m West of Ngutunui Rd
4111	10565	599.	600	1.	100.2	0.1	514.	568	54.	110.5	1.6	1113.	1168	55.	104.9	*02600002 875m West of Lissette Rd
5452	10678	483.	425	-58.	88.0	1.9	364.	558	194.	153.3	6.4	847.	983	136.	116.1	*02600009 700m East of Platt Rd
5614	5613	213.	272	59.	127.7	2.7	184.	229	45.	124.5	2.2	397.	501	104.	126.2	*01B00015 500m past Gordonton Rd/Taylor Rd Intersection
2822	5485	269.	272	3.	101.1	0.2	219.	219	0.	100.0	0.0	487.	491	4.	100.8	*01B00024 100m past Holland Rd Intersection
2688	5712	1183.	1015	-168.	85.8	3.6	1211.	1256	45.	103.7	0.9	2393.	2271	-122.	94.9	*01N00529 100m Sth of Hopu Hopu Rail Bridge
5849	6119	1919.	1250	-669.	65.1	11.9	1431.	1123	-308.	78.5	6.1	3350.	2373	-977.	70.8	*01N00563 120m Sth of Pickering Rd (Nth bound)
9559	9719	661.	605	-56.	91.5	1.6	694.	478	-216.	68.9	6.3	1355.	1083	-272.	79.9	*00200033 By RS peg 32/1
8830	8305	380.	317	-63.	83.4	2.4	327.	280	-47.	85.6	1.9	706.	597	-109.	84.6	*00200052 650m past Orchard Rd
8873	3384	438.	413	-25.	94.3	0.9	386.	374	-12.	96.9	0.4	824.	787	-37.	95.5	*00200066 986m past of Awaiti Rd
8310	3401	654.	516	-138.	78.9	4.0	503.	533	30.	106.0	0.9	1157.	1049	-108.	90.7	*00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
8306	8739	322.	326	4.	101.2	0.2	393.	409	16.	104.1	0.6	715.	735	20.	102.8	*02500021 335m before Hauraki Rd
8837	8836	65.	141	76.	216.9	5.3	53.	136	83.	256.6	6.1	118.	277	159.	234.7	*02500098 12m before 1st Abut Opitonui Stream Bridge
8499	9169	153.	181	28.	118.3	1.5	193.	217	24.	112.4	1.2	346.	398	52.	115.0	*02500240 Nth of Gladestone Rd
8872	2948	233.	296	63.	127.0	2.8	278.	352	74.	126.6	2.9	511.	648	137.	126.8	*02600075 380m past Komata River Bridge
9964	8308	272.	190	-82.	69.9	3.8	295.	208	-87.	70.5	3.8	567.	398	-169.	70.2	*02700011 Kaihere - Telemetry Site 33
13646	13522	1507.	1887	380.	125.2	6.5	1232.	1651	419.	134.0	7.8	2739.	3538	799.	129.2	*01N20482 400m before Horace Russell Rd (inc=01N10482)
9179	2984	320.	184	-136.	57.5	6.1	194.	118	-76.	60.8	4.3	515.	302	-213.	58.6	*25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest Park sig
8728	3611	1683.	1567	-116.	93.1	2.0	1239.	954	-285.	77.0	6.1	2922.	2521	-401.	86.3	*00200141 Near Tga RSI Site 23
9138	3925	300.	222	-78.	74.0	3.4	280.	344	64.	122.9	2.6	581.	566	-15.	97.4	*03600012 760m Sth of Williams Rd, Pyes Pa
10798	10800	1299.	1240	-59.	95.5	1.2	1260.	1390	130.	110.3	2.5	2558.	2630	72.	102.8	*00200187 Near Tga RSI Site 21
10727	8529	52.	70	18.	134.6	1.6	52.	56	4.	107.7	0.4	104.	126	22.	121.2	*03200074 West of Taupo - Telemetry Site 43
8635	8551	952.	458	-494.	48.1	13.2	689.	297	-392.	43.1	12.5	1641.	755	-886.	46.0	*01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
8578	8416	406.	125	-281.	30.8	12.2	463.	268	-195.	57.9	7.2	868.	393	-475.	45.3	*01N00729 HALLETTS BAY - Telemetry Site 42
8954	11324	1049.	1349	300.	128.6	6.1	1871.	1593	-278.	85.1	4.7	2919.	2942	23.	100.8	*01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
4352	8740	1634.	1751	117.	107.2	2.0	978.	769	-209.	78.6	5.0	2611.	2520	-91.	96.5	*01N00705 100m Nth of SH5 (East to Napier)
8740	8932	1361.	1315	-46.	96.6	0.9	1100.	517	-583.	47.0	14.5	2460.	1832	-628.	74.5	*01N00706 300m Sth of State Highway 5 (Napier)

Number of links = 76 Number of forward links = 76 Number of back links = 76

TOTALS	FORWARD	BACK	TOTALS
COUNT	50435.	52614.	103043.
VOLUME	46103.	52514.	98617.
CHANGE	-4332.	-100.	-4426.
%	91.	100.	96.
CORREL.			
COEFF.	0.947	0.958	0.975
%RMS	29.03	30.49	20.69
r^2	0.896	0.918	0.951
GEH	13.9	0.3	9.9

GEH	<5	<7	<10	<12	>12
#	108	130	143	147	5
%	71.1	85.5	94.1	96.7	3.3

Cordon Number : 10
Description : * Railway

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	3296	56.	99	43.	176.8	3.4	123.	218	95.	177.2	5.2	179.	317	138.	177.1	*Ruffell Rd north of Te Kowhat Rd 176
3504	3512	440.	529	89.	120.2	2.8	801.	872	71.	108.9	1.8	1241.	1401	160.	112.9	*Te Kowhai Rd east of Tasman Rd 166
3483	3480	1981.	2395	414.	120.9	6.3	2176.	2155	-21.	99.0	0.3	4157.	4550	393.	109.5	*SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97
3476	4904	1456.	791	-665.	54.3	14.1	1928.	1243	-685.	64.5	12.2	3384.	2034	-1350.	60.1	*Forest Lake Rd railway underpass 63/64 2-Aug
4721	3456	862.	1534	672.	178.0	13.7	715.	479	-236.	67.0	6.8	1578.	2013	435.	127.6	*Norton Rd at railways 718 11-May 67
8209	6664	1504.	2099	595.	139.6	9.9	2010.	1687	-323.	83.9	5.3	3514.	3786	272.	107.7	*Hall St Overpass 729 19-APR
5199	2654	1600.	1322	-278.	82.6	5.1	1588.	1340	-248.	84.4	4.6	3188.	2662	-526.	83.5	*Killarney Rd-railway crossing 141 9-Nov
3175	4709	2133.	1716	-417.	80.5	6.7	1980.	1792	-188.	90.5	3.1	4113.	3508	-605.	85.3	*01N00552 120m east of railyway crossing
3168	4788	336.	202	-134.	60.1	5.8	282.	293	11.	103.9	0.4	618.	495	-123.	80.1	*Collins Rd-railway crossing 149 18-Sep 10:00 Friday, 8 September 2006

```
Number of links =     9 Number of forward links =     9 Number of back links =     9

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    10368.    11603.    21972.
 VOLUME   10687.    10079.    20766.
 CHANGE     319.    -1524.    -1206.
   %        103.       87.       95.
CORREL.
 COEFF.    0.835     0.957     0.924
 %RMS      39.99     23.60     24.84
  r^2      0.697     0.917     0.854
  GEH        2.2      10.4       5.8

  GEH  <5    <7   <10   <12   >12
  #     7    14    15    15     3
  %  38.9  77.8  83.3  83.3  16.7

 Cordon Number : 11
 Description   : *  East

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  2556 10696     312.    385     73. 123.4   2.7     372.    382     10. 102.7   0.4     684.    767     83. 112.1   *Puketaha Rd 261
  7120  2995     136.     34   -102.  25.0   7.8      39.     66     27. 169.2   2.7     174.    100    -74.  57.5   *Fairview St btw Carrs&Watson 266
  6908  5131     156.    144    -12.  92.3   0.7     302.    367     65. 121.5   2.5     457.    511     54. 111.8   *Alderson St btw Tramway&Fairview 269
  7024  5127     335.    199   -136.  59.4   5.9     684.    502   -182.  73.4   5.3    1020.    701   -319.  68.7   *Powells Rd btw Tramway&Fairview 270
  3921  3920     675.    676      1. 100.1   0.1     540.    431   -109.  79.8   3.5    1215.   1107   -108.  91.1   *Ruakura Rd east of Silverdale 155
  4111 10565     599.    600      1. 100.2   0.1     514.    568     54. 110.5   1.6    1113.   1168     55. 104.9   *02600002 875m  West of Lissette Rd

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2213.     2451.     4663.
 VOLUME    2038.     2316.     4354.
 CHANGE    -175.     -135.     -309.
   %         92.       94.       93.
CORREL.
 COEFF.    0.960     0.906     0.929
 %RMS      22.48     25.20     20.89
  r^2      0.921     0.821     0.863
  GEH        2.7       1.9       3.2

  GEH  <5    <7   <10   <12   >12
  #     9    11    12    12     0
  %  75.0  91.7 100.0 100.0   0.0

 Cordon Number : 12
 Description   : *  North

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3480  3488    2750.   2645   -105.  96.2   1.4    2632.   2310   -322.  87.8   4.6    5382.   4955   -427.  92.1   *01N00546 North of Avalon/Te Rapa
  3644  3938     956.   1052     96. 110.0   2.1    1038.    638   -400.  61.5   9.8    1995.   1690   -305.  84.7   *Pukete Rd btw Cullimore&Wairere 255
  7284  3477     430.    164   -266.  38.1  10.9     258.     91   -167.  35.3   9.0     688.    255   -433.  37.1   *Totara Dr at the overbridge 196
  3588  3589    1645.   1185   -460.  72.0   8.7     907.    676   -231.  74.5   5.8    2552.   1861   -691.  72.9   *River Rd north of Wairere Dr 189
  3503  2767    1520.   1335   -185.  87.8   3.5     670.    458   -212.  68.4   6.3    2190.   1793   -397.  81.9   *Resolution Dr north of wairere dr 188                ?
  3558  3557    1076.   1193    117. 110.9   2.4     859.    646   -213.  75.2   5.5    1935.   1839    -96.  95.0   *Hukanui Rd north of Wairere Dr 264/416
  2556  2523     677.    524   -153.  77.4   4.4     927.    600   -327.  64.7   8.3    1604.   1124   -480.  70.1   *Gordonton Rd btw Crosby&Greenhill                    change the count
statio
```

```
Number of links =     7 Number of forward links =     7 Number of back links =     7

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     9054.     7291.    16346.
 VOLUME    8098.     5419.    13517.
 CHANGE    -956.    -1872.    -2829.
   %         89.       74.       83.
CORREL.
 COEFF.    0.966     0.995     0.992
 %RMS      19.30     28.86     20.22
  r^2      0.934     0.990     0.985
  GEH        7.3      16.6      16.4

  GEH  <5    <7   <10   <12   >12
  #     6     9    13    14     0
  %  42.9  64.3  92.9 100.0   0.0


 Cordon Number : 13
 Description   : *  South

                     FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  3336  4906     376.    408     32. 108.5   1.1     707.    834    127. 118.0   3.3    1083.   1242    159. 114.7   *Tuhikaramea Rd by speed limit sign 752
  3770  4763    1467.   1214   -253.  82.8   4.9    2025.   1543   -482.  76.2   8.1    3492.   2757   -735.  79.0   *Ohaupo Rd 200m north of Normandy 133
  2647  8214    1343.   1107   -236.  82.4   4.8    3055.   3160    105. 103.4   1.3    4398.   4267   -131.  97.0   *Normandy Ave north of Bader St
  3587  4157    2489.   1820   -669.  73.1  10.2    2756.   2185   -571.  79.3   8.1    5245.   4005  -1240.  76.4   *01N10558 135m north of Riverlea Rd
  4113  2899     507.    450    -57.  88.8   1.8     204.    225     21. 110.3   1.0     711.    675    -36.  94.9   *Matangi Rd at bridge 151

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     6182.     8747.    14929.
 VOLUME    4999.     7947.    12946.
 CHANGE   -1183.     -800.    -1983.
   %         81.       91.       87.
CORREL.
 COEFF.    0.997     0.964     0.973
 %RMS      30.57     21.88     24.39
  r^2      0.994     0.929     0.948
  GEH       11.2       6.2      11.9

  GEH  <5    <7   <10   <12   >12
  #     7     7     9    10     0
  %  70.0  70.0  90.0 100.0   0.0

 Cordon Number : 14
 Description   : *Cambridge Counts  (NB/EB FIRST)

                     FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  6531  6544    1414.   1490     76. 105.4   1.4    1448.   1539     91. 106.3   1.6    2862.   3029    167. 105.8   *Victoria St (Queen/Whitaker)          ITM scaled to 2hr
2
  4449  4470     556.    511    -45.  91.9   1.4     704.    624    -80.  88.6   2.2    1260.   1135   -125.  90.1   *Victoria Rd(Taylor/Hautapu)           ITM scaled to 2hr
  2724  5400     180.    225     45. 125.0   2.2     120.     87    -33.  72.5   2.4     300.    312     12. 104.0   *Thornton Rd (Victoria/Grosvenor)
  5690  5849    1919.   1249   -670.  65.1  11.9    1431.   1123   -308.  78.5   6.1    3350.   2372   -978.  70.8   *SH1n 120m south of Pickering Rd       01N00563                   Avg of
06

Number of links =     4 Number of forward links =     4 Number of back links =     4
```

```
 TOTALS   FORWARD    BACK      TOTALS

 COUNT     4069.     3703.     7772.
 VOLUME    3475.     3373.     6848.
 CHANGE    -594.     -330.     -924.
   %         85.       91.       88.
CORREL.
 COEFF.    0.910     0.966     0.935
 %RMS      38.44     20.74     29.72
  r^2      0.827     0.932     0.874
  GEH        6.8       3.9       7.6

  GEH  <5    <7   <10   <12   >12
  #     6     7     7     8     0
  %  75.0  87.5  87.5 100.0   0.0

 Cordon Number : 15
 Description   : *Te Awamutu Counts

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 10684  2621     934.    877    -57.  93.9   1.4    1341.   1310    -31.  97.7   0.6    2275.   2187    -88.  96.1   *SH3 1510m past SH21                    00300012
08.11.06prox
  2504  4148     288.    206    -82.  71.5   3.7     217.    271     54. 124.9   2.4     505.    477    -28.  94.5   *Bond Rd 30m nth of Rogers Pl           2008 counts provided by J Winter,
scale
  6178  6214     430.    303   -127.  70.5   4.7     403.    266   -137.  66.0   5.3     833.    569   -264.  68.3   *18000m Cambridge Rd Rural              115 CAMBRIDGE
27Nov2006.EC022.11.06
  5418  6206     899.    630   -269.  70.1   6.9     868.    850    -18.  97.9   0.4    1767.   1480   -287.  83.8   *Alexandra St                           068 ALEXANDRA
05Dec2006.EC029.11.06
  5926  6136     167.    130    -37.  77.8   2.1     138.    151     13. 109.4   0.7     305.    281    -24.  92.1   *Bridgman Rd                            010 BRIDGMAN 03Nov2006.EC0
25.10.06
  4510  2824     711.    692    -19.  97.3   0.5     762.    884    122. 116.0   3.0    1473.   1576    103. 107.0   *200m sth of Cambridge Rd RAB           00300027
11.10.06

Number of links =     6 Number of forward links =     6 Number of back links =     6

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3429.     3729.     7158.
 VOLUME    2838.     3732.     6570.
 CHANGE    -591.        3.     -588.
   %         83.      100.       92.
CORREL.
 COEFF.    0.959     0.982     0.981
 %RMS      24.77     14.03     15.54
  r^2      0.920     0.964     0.962
  GEH        7.5       0.0       5.0

  GEH  <5    <7   <10   <12   >12
  #    10    12    12    12     0
  %  83.3 100.0 100.0 100.0   0.0

 Cordon Number : 16
 Description   : *  Bombay Hills

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 11582  9564    1111.    772   -339.  69.5   7.8     837.    531   -306.  63.4   8.3    1947.   1303   -644.  66.9   *00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
 13672 13500    2374.   2306    -68.  97.1   1.0        No Back Link Present .          2374.   2306    -68.  97.1   *01N10474 Bombay-Telemetry No Site 72-SB NB
 13784 13500     No Forward Link Present .          2900.   2731   -169.  94.2   2.3    2900.   2731   -169.  94.2   *01N10474 Bombay-Telemetry No Site 72-SB SB

Number of links =     3 Number of forward links =     2 Number of back links =     2
```

```
 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3485.     3737.     7221.
 VOLUME    3078.     3262.     6340.
 CHANGE    -407.     -475.     -881.
   %         88.       87.       88.
CORREL.
 COEFF.    1.000     1.000     0.958
 %RMS      19.84     18.71     19.66
  r^2      1.000     1.000     0.919
  GEH        5.0       5.7       7.6

  GEH  <5    <7   <10   <12   >12
  #     2     2     4     4     0
  %  50.0  50.0 100.0 100.0   0.0

 Cordon Number : 17
 Description   : *  Crossing btw Waikato and BOP

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8728  3611    1683.   1567   -116.  93.1   2.0    1239.    954   -285.  77.0   6.1    2922.   2521   -401.  86.3   *00200141 Near Tga RSI Site 23
  8178  9145     828.    685   -143.  82.7   3.7     651.    806    155. 123.8   4.1    1479.   1491     12. 100.8   *02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St
 10206  9110     442.    400    -42.  90.5   1.4     383.    225   -158.  58.7   6.4     825.    625   -200.  75.8   *SH5 sth of Maraeroa Rotorua
  8528  4051     304.    103   -201.  33.9  10.0     336.    296    -40.  88.1   1.6     640.    399   -241.  62.3   *03000141 155m before Gun Club Rd
  8810 10726     397.    267   -130.  67.3   5.1     507.    364   -143.  71.8   4.8     904.    631   -273.  69.8   *00500082 520M Sth of ERP 77/3.70, Waiotapu

Number of links =     5 Number of forward links =     5 Number of back links =     5

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     3654.     3116.     6770.
 VOLUME    3022.     2645.     5667.
 CHANGE    -632.     -471.    -1103.
   %         83.       85.       84.
CORREL.
 COEFF.    0.995     0.893     0.988
 %RMS      20.86     31.31     21.33
  r^2      0.990     0.798     0.976
  GEH        7.7       6.2       9.9

  GEH  <5    <7   <10   <12   >12
  #     6     9     9    10     0
  %  60.0  90.0  90.0 100.0   0.0

 Cordon Number : 18
 Description   : *  North Waikato Lateral

                    FORWARD                          BACK                            TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  9645  9627    1294.   1270    -24.  98.1   0.5    1244.   1144   -100.  92.0   2.0    2548.   2414   -134.  94.7   *01N00509 685m Sth of Tahuna Overbridge, Rangiriri
  9964  8308     272.    190    -82.  69.9   3.8     295.    208    -87.  70.5   3.8     567.    398   -169.  70.2   *02700011 Kaihere - Telemetry Site 33
  8455  9868     485.    585    100. 120.6   3.1     428.    576    148. 134.6   4.7     913.   1161    248. 127.2   *02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
  8698  8281     507.    506     -1.  99.8   0.0     424.    466     42. 109.9   1.4     931.    972     41. 104.4   *00200098 200m Sth of Trigg Rd

Number of links =     4 Number of forward links =     4 Number of back links =     4

 TOTALS   FORWARD    BACK      TOTALS

 COUNT     2558.     2391.     4959.
```

```
 VOLUME    2551.     2394.     4945.
 CHANGE      -7.        3.      -14.
   %        100.      100.      100.
CORREL.
 COEFF.    0.986     0.965     0.977
 %RMS      11.88     19.61     15.42
  r^2      0.972     0.931     0.954
  GEH        0.1       0.1       0.1

  GEH  <5    <7   <10   <12   >12
  #     8     8     8     8     0
  % 100.0 100.0 100.0 100.0   0.0

 Cordon Number : 19
 Description   : *  Coromandel Peninsula

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

  8832  9232     400.    425     25. 106.2   0.8     221.    177    -44.  80.1   2.2     621.    602    -19.  96.9   *02500036 Speed Restriction Sign (Whakatete Bay Sth end)
  8854  8642     177.     83    -94.  46.9   5.9     209.    165    -44.  78.9   2.3     386.    248   -138.  64.2   *02500177 Swampy Stream Bridge

Number of links =     2 Number of forward links =     2 Number of back links =     2

 TOTALS   FORWARD    BACK      TOTALS

 COUNT      577.      430.     1007.
 VOLUME     508.      342.      850.
 CHANGE     -69.      -88.     -157.
   %         88.       80.       84.
CORREL.
 COEFF.    1.000     1.000     1.000
 %RMS      33.71     28.94     27.67
  r^2      1.000     1.000     1.000
  GEH        2.1       3.2       3.6

  GEH  <5    <7   <10   <12   >12
  #     3     4     4     4     0
  %  75.0 100.0 100.0 100.0   0.0


 Cordon Number : 20
 Description   : * ALL WRTM CORDONS

                    FORWARD                          BACK                           TOTAL
 NODE1 NODE2    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %   GEH    COUNT  VOLUME  CHANGE    %

 11501 11500    1554.   1746    192. 112.4   3.3    2526.   2125   -401.  84.1   5.9    4080.   3871   -209.  94.9   02200001 SH22 East of Great South Road
 12141 12150    1142.   1049    -93.  91.9   2.0     901.    995     94. 110.4   2.2    2043.   2044      1. 100.0   02200011 SH22 East of Heights Rd (Btn Adams & Bdy SH22)
 12418 11888    1144.   1106    -38.  96.7   0.8     651.    603    -48.  92.6   1.4    1795.   1709    -86.  95.2   West St (Btn Fausett & Coronation)
 11843 12380     305.    275    -30.  90.2   1.2     360.    395     35. 109.7   1.2     665.    670      5. 100.8   Wellington St (Btn Harris & Fairfield)
 12338 12266     108.    119     11. 110.2   0.7     199.    249     50. 125.1   2.4     307.    368     61. 119.9   Adams Rd (Btn Paerata Sth & Keith) 45m
 11527 11612     797.    671   -126.  84.2   3.3    1006.   1161    155. 115.4   3.3    1803.   1832     29. 101.6   Manukau Rd (btwn Kitchener and Harris) 1245m
 11903 11907     533.    578     45. 108.4   1.4     869.    919     50. 105.8   1.2    1402.   1497     95. 106.8   Massey Avenue (Roulston & Graham)
 12108 12116     431.    320   -111.  74.2   4.0     495.    567     72. 114.5   2.2     926.    887    -39.  95.8   KING ST NORTH OF MASSEY AVE
 11885 11886      60.     15    -45.  25.0   5.3      60.      7    -53.  11.7   6.6     120.     22    -98.  18.3   Birwood Road (Btn Helvetia & Tasman)
 12409 11965     180.    114    -66.  63.3   3.8     269.    228    -41.  84.8   1.8     449.    342   -107.  76.2   Princes St West (Btn Helvetia & Duke)
 11946 11952     307.    125   -182.  40.7   8.8     238.    186    -52.  78.2   2.5     545.    311   -234.  57.1   Victoria St west (Btn Helvetia & Moloney)
 11944 11943    1144.    907   -237.  79.3   5.3     651.    523   -128.  80.3   3.7    1795.   1430   -365.  79.7   West St-Pukekohe (btwn Fausett and Coronation) 913m
 11573 11610     123.     56    -67.  45.5   4.9     200.    129    -71.  64.5   4.0     323.    185   -138.  57.3   Glasgow road
 11819 13804     923.   1170    247. 126.8   5.4     657.    698     41. 106.2   1.1    1580.   1868    288. 118.2   Puni Rd (Btn Ward & Urban/Rural) 530m
 12457 12475     166.     53   -113.  31.9   7.7     114.    111     -3.  97.4   0.3     279.    164   -115.  58.8   Anzac Road (Btn Kitchener & Dunnolly) 150m
 11712 11535     114.     94    -20.  82.5   1.4     188.    144    -44.  76.6   2.4     302.    238    -64.  78.8   Upper Queen Street (Btn Kitchener RAB & Laurelwood) 105m
 11863 11851     204.     79   -125.  38.7   7.5      90.    152     62. 168.9   4.0     294.    231    -63.  78.6   John St South ((Btn Kitchener & Trevors)
```

12052	12053	112.	165	53.	147.3	3.1	93.	173	80.	186.0	4.9	205.	338	133.	164.9	Ray Wright Road (BTN UPPER QUEEN & TUAKAU) 1653m
12055	11619	104.	76	-28.	73.1	2.1	60.	195	135.	325.0	8.4	164.	271	107.	165.2	Station road (Btn Yates & Urban/Rural) 80m
12018	12174	59.	66	7.	111.9	0.7	61.	68	7.	111.5	0.7	120.	134	14.	111.7	Golding Road(Btn Logan & End of New Seal) 487m
12270	12368	35.	90	55.	257.1	5.0	33.	102	69.	309.1	6.0	68.	192	124.	282.4	Tuhimata
12030	13801	231.	191	-40.	82.7	2.0	292.	425	133.	145.5	4.9	523.	616	93.	117.8	Ward St - btn Wellington and Greenlane - 440m
5497	5765	1351.	1119	-232.	82.8	4.7	1296.	1465	169.	113.0	3.2	2647.	2584	-63.	97.6	*Ngaruawahia Bridge
4795	2723	200.	458	258.	229.0	10.1	200.	173	-27.	86.5	1.5	400.	631	231.	157.8	*Horotiu Bridge - Guess
3526	3652	1779.	1442	-337.	81.1	5.9	2600.	3286	686.	126.4	8.9	4379.	4728	349.	108.0	*Wairere Dr Bridge RSI 13 WBD
3606	4907	976.	1081	105.	110.8	2.3	1372.	1706	334.	124.3	6.0	2348.	2787	439.	118.7	*Fairfield Bridge RSI 14 WBD
6739	3953	1658.	1240	-418.	74.8	7.8	2951.	2725	-226.	92.3	3.0	4609.	3965	-644.	86.0	*Boundary Rd Bridge RSI 15 WBD
9823	3453	954.	755	-199.	79.1	4.8	1396.	1906	510.	136.5	8.9	2350.	2661	311.	113.2	*Claudelands Rd Bridge RSI 16 WBD
9824	8233	2047.	1281	-766.	62.6	13.3	2326.	3019	693.	129.8	9.5	4373.	4300	-73.	98.3	*Bridge St Bridge RSI 17 WBD
3509	3099	2053.	1820	-233.	88.7	3.7	3090.	2836	-254.	91.8	3.3	5143.	4656	-487.	90.5	*Cobham Dr Bridge RSI 18 SBD
4657	6296	523.	459	-64.	87.8	2.0	585.	634	49.	108.4	1.4	1108.	1093	-15.	98.6	*Narrows Bridge
6541	4542	1408.	1445	37.	102.6	0.7	885.	779	-106.	88.0	2.6	2293.	2224	-69.	97.0	*Victoria Bridge (Cambridge)
10228	6171	804.	821	17.	102.1	0.4	493.	440	-53.	89.2	1.7	1297.	1261	-36.	97.2	*Shakepeare Bridge (Cambridge)
4808	10272	1379.	1119	-260.	81.1	5.2	1383.	898	-485.	64.9	10.1	2762.	2017	-745.	73.0	*SH1 sth of Shakespeare Cambridge
4872	6405	981.	946	-35.	96.4	0.8	1222.	1460	238.	119.5	4.6	2203.	2406	203.	109.2	*SH3 nth of Tuere Te Awamutu
8270	10732	274.	267	-7.	97.4	0.3	283.	357	74.	126.1	2.9	557.	624	67.	112.0	*SH39 sth of Hanning Piongia
3516	3507	200.	282	82.	141.0	3.7	405.	378	-27.	93.3	0.9	606.	660	54.	108.9	*SH23 wst of Heddon Raglan
9743	9772	1536.	1590	54.	103.5	1.0	1750.	1676	-74.	95.8	1.3	3286.	3266	-20.	99.4	*SH1 sth of Tregoweth Huntly
9264	9923	534.	805	271.	150.7	7.4	582.	473	-109.	81.3	3.4	1116.	1278	162.	114.5	*SH26 wst of Harbottle
10160	9850	578.	671	93.	116.1	2.6	566.	614	48.	108.5	1.4	1144.	1285	141.	112.3	*02700065 200m Sth of Matamata Airport Entrance
8178	9145	828.	685	-143.	82.7	3.7	651.	806	155.	123.8	4.1	1479.	1491	12.	100.8	*02900034 KAIMAI -Telemetry Site 12 - 100m past Boulder Bridge
(Kaukumoutiti St																
10206	9110	383.	400	17.	104.4	0.6	442.	225	-217.	50.9	8.4	825.	625	-200.	75.8	*SH5 sth of Maraeroa Rotorua
8528	4051	304.	103	-201.	33.9	10.0	336.	296	-40.	88.1	1.6	640.	399	-241.	62.3	*03000141 155m before Gun Club Rd
8792	8552	345.	159	-186.	46.1	8.3	384.	221	-163.	57.6	6.7	729.	380	-349.	52.1	*00500125 98m before State Highway 1 (Wairakei)
8417	8780	274.	280	6.	102.2	0.3	279.	280	1.	100.4	0.1	553.	560	7.	101.3	*00500138 278m past Crown Rd (Taupo)
8274	8756	302.	293	-9.	97.0	0.4	199.	222	23.	111.6	1.2	501.	515	14.	102.8	*SH1 sth of Taupahi Turangi
8273	8522	180.	153	-27.	85.0	1.5	63.	56	-7.	88.9	0.6	243.	209	-34.	86.0	*04700046 242m before State Highway 41
8779	8959	41.	46	5.	112.2	0.6	44.	44	0.	100.0	0.0	85.	90	5.	105.9	*04100029 50m East of Moerangi Rd
8433	9836	293.	313	20.	106.8	0.8	372.	431	59.	115.9	2.0	665.	744	79.	111.9	*SH3 nth of SH4 Te Kuiti
10134	3506	67.	18	-49.	26.9	5.2	43.	56	13.	130.2	1.4	110.	74	-36.	67.3	*03100022 500m West of Ngutunui Rd
4111	10565	599.	600	1.	100.2	0.1	514.	568	54.	110.5	1.6	1113.	1168	55.	104.9	*02600002 875m West of Lissette Rd
5452	10678	483.	425	-58.	88.0	1.9	364.	558	194.	153.3	6.4	847.	983	136.	116.1	*02600009 700m East of Platt Rd
5614	5613	213.	272	59.	127.7	2.7	184.	229	45.	124.5	2.2	397.	501	104.	126.2	*01B00015 500m past Gordonton Rd/Taylor Rd Intersection
2822	5485	269.	272	3.	101.1	0.2	219.	219	0.	100.0	0.0	487.	491	4.	100.8	*01B00024 100m past Holland Rd Intersection
2688	5712	1183.	1015	-168.	85.8	3.6	1211.	1256	45.	103.7	0.9	2393.	2271	-122.	94.9	*01N00529 100m Sth of Hopu Hopu Rail Bridge
5849	6119	1919.	1250	-669.	65.1	11.9	1431.	1123	-308.	78.5	6.1	3350.	2373	-977.	70.8	*01N00563 120m Sth of Pickering Rd (Nth bound)
9559	9719	661.	605	-56.	91.5	1.6	694.	478	-216.	68.9	6.3	1355.	1083	-272.	79.9	*00200033 By RS peg 32/1
8830	8305	380.	317	-63.	83.4	2.4	327.	280	-47.	85.6	1.9	706.	597	-109.	84.6	*00200052 650m past Orchard Rd
8873	3384	438.	413	-25.	94.3	0.9	386.	374	-12.	96.9	0.4	824.	787	-37.	95.5	*00200066 986m past of Awaiti Rd
8310	3401	654.	516	-138.	78.9	4.0	503.	533	30.	106.0	0.9	1157.	1049	-108.	90.7	*00200091 WAIHI - Telemetry Site 34 - East of Samson Rd west
8306	8739	322.	326	4.	101.2	0.2	393.	409	16.	104.1	0.6	715.	735	20.	102.8	*02500021 335m before Hauraki Rd
8837	8836	65.	141	76.	216.9	5.3	53.	136	83.	256.6	6.1	118.	277	159.	234.7	*02500098 12m before 1st Abut Opitonui Stream Bridge
8499	9169	153.	181	28.	118.3	1.5	193.	217	24.	112.4	1.2	346.	398	52.	115.0	*02500240 Nth of Gladestone Rd
8872	2948	233.	296	63.	127.0	2.8	278.	352	74.	126.6	2.9	511.	648	137.	126.8	*02600075 380m past Komata River Bridge
9964	8308	272.	190	-82.	69.9	3.8	295.	208	-87.	70.5	3.8	567.	398	-169.	70.2	*02700011 Kaihere - Telemetry Site 33
13646	13522	1507.	1887	380.	125.2	6.5	1232.	1651	419.	134.0	7.8	2739.	3538	799.	129.2	*01N20482 400m before Horace Russell Rd (inc=01N10482)
9179	2984	320.	184	-136.	57.5	6.1	194.	118	-76.	60.8	4.3	515.	302	-213.	58.6	*25A00011 NEEVESVILLE - Telemetry Site - 400m before Coromandel Forest
Park sig																
8728	3611	1683.	1567	-116.	93.1	2.0	1239.	954	-285.	77.0	6.1	2922.	2521	-401.	86.3	*00200141 Near Tga RSI Site 23
9138	3925	300.	222	-78.	74.0	3.4	280.	344	64.	122.9	2.6	581.	566	-15.	97.4	*03600012 760m Sth of Williams Rd, Pyes Pa
10798	10800	1299.	1240	-59.	95.5	1.2	1260.	1390	130.	110.3	2.5	2558.	2630	72.	102.8	*00200187 Near Tga RSI Site 21
10727	8529	52.	70	18.	134.6	1.6	52.	56	4.	107.7	0.4	104.	126	22.	121.2	*03200074 West of Taupo - Telemetry Site 43
8635	8551	952.	458	-494.	48.1	13.2	689.	297	-392.	43.1	12.5	1641.	755	-886.	46.0	*01N00700 At RS peg 606/5.07 (past Huka Loop Rd)
8578	8416	406.	125	-281.	30.8	12.2	463.	268	-195.	57.9	7.2	868.	393	-475.	45.3	*01N00729 HALLETTS BAY - Telemetry Site 42
8954	11324	1049.	1349	300.	128.6	6.1	1871.	1593	-278.	85.1	4.7	2919.	2942	23.	100.8	*01N10703 Inc/01N20703 Dec 05 Taupo CBD - Sth of Spa Rd (Inc/Dec)
4352	8740	1634.	1751	117.	107.2	2.0	978.	769	-209.	78.6	5.0	2611.	2520	-91.	96.5	*01N00705 100m Nth of SH5 (East to Napier)
8740	8932	1361.	1315	-46.	96.6	0.9	1100.	517	-583.	47.0	14.5	2460.	1832	-628.	74.5	*01N00706 300m Sth of State Highway 5 (Napier)
7164	3296	56.	99	43.	176.8	3.4	123.	218	95.	177.2	5.2	179.	317	138.	177.1	*Ruffell Rd north of Te Kowhat Rd 176
3504	3512	440.	529	89.	120.2	2.8	801.	872	71.	108.9	1.8	1241.	1401	160.	112.9	*Te Kowhai Rd east of Tasman Rd 166
3483	3480	1981.	2395	414.	120.9	6.3	2176.	2155	-21.	99.0	0.3	4157.	4550	393.	109.5	*SH1N Avalon Dr on Baird overbridge south Te Rapa Rd 97

```
  3476  4904    1456.    791   -665.  54.3  14.1    1928.   1243   -685.  64.5  12.2    3384.   2034  -1350.  60.1   *Forest Lake Rd railway underpass 63/64 2-Aug
  4721  3456     862.   1534    672. 178.0  13.7     715.    479   -236.  67.0   6.8    1578.   2013    435. 127.6   *Norton Rd at railways 718 11-May                          67
  8209  6664    1504.   2099    595. 139.6   9.9    2010.   1687   -323.  83.9   5.3    3514.   3786    272. 107.7   *Hall St Overpass 729 19-APR
  5199  2654    1600.   1322   -278.  82.6   5.1    1588.   1340   -248.  84.4   4.6    3188.   2662   -526.  83.5   *Killarney Rd-railway crossing 141 9-Nov
  3175  4709    2133.   1716   -417.  80.5   6.7    1980.   1792   -188.  90.5   3.1    4113.   3508   -605.  85.3   *01N00552 120m east of railyway crossing
  3168  4788     336.    202   -134.  60.1   5.8     282.    293     11. 103.9   0.4     618.    495   -123.  80.1   *Collins Rd-railway crossing 149 18-Sep          10:00 Friday, 8
September 2006
  2556 10696     312.    385     73. 123.4   2.7     372.    382     10. 102.7   0.4     684.    767     83. 112.1   *Puketaha Rd 261
  7120  2995     136.     34   -102.  25.0   7.8      39.     66     27. 169.2   2.7     174.    100    -74.  57.5   *Fairview St btw Carrs&Watson 266
  6908  5131     156.    144    -12.  92.3   0.7     302.    367     65. 121.5   2.5     457.    511     54. 111.8   *Alderson St btw Tramway&Fairview 269
  7024  5127     335.    199   -136.  59.4   5.9     684.    502   -182.  73.4   5.3    1020.    701   -319.  68.7   *Powells Rd btw Tramway&Fairview 270
  3921  3920     675.    676      1. 100.1   0.1     540.    431   -109.  79.8   3.5    1215.   1107   -108.  91.1   *Ruakura Rd east of Silverdale 155
  3480  3488    2750.   2645   -105.  96.2   1.4    2632.   2310   -322.  87.8   4.6    5382.   4955   -427.  92.1   *01N00546 North of Avalon/Te Rapa
  3644  3938     956.   1052     96. 110.0   2.1    1038.    638   -400.  61.5   9.8    1995.   1690   -305.  84.7   *Pukete Rd btw Cullimore&Wairere 255
  7284  3477     430.    164   -266.  38.1  10.9     258.     91   -167.  35.3   9.0     688.    255   -433.  37.1   *Totara Dr at the overbridge 196
  3588  3589    1645.   1185   -460.  72.0   8.7     907.    676   -231.  74.5   5.8    2552.   1861   -691.  72.9   *River Rd north of Wairere Dr 189
  3503  2767    1520.   1335   -185.  87.8   3.5     670.    458   -212.  68.4   6.3    2190.   1793   -397.  81.9   *Resolution Dr north of wairere dr 188                ?
  3558  3557    1076.   1193    117. 110.9   2.4     859.    646   -213.  75.2   5.5    1935.   1839    -96.  95.0   *Hukanui Rd north of Wairere Dr 264/416
  2556  2523     677.    524   -153.  77.4   4.4     927.    600   -327.  64.7   8.3    1604.   1124   -480.  70.1   *Gordonton Rd btw Crosby&Greenhill                    change the count
statio
  3336  4906     376.    408     32. 108.5   1.1     707.    834    127. 118.0   3.3    1083.   1242    159. 114.7   *Tuhikaramea Rd by speed limit sign 752
  3770  4763    1467.   1214   -253.  82.8   4.9    2025.   1543   -482.  76.2   8.1    3492.   2757   -735.  79.0   *Ohaupo Rd 200m north of Normandy 133
  2647  8214    1343.   1107   -236.  82.4   4.8    3055.   3160    105. 103.4   1.3    4398.   4267   -131.  97.0   *Normandy Ave north of Bader St
  3587  4157    2489.   1820   -669.  73.1  10.2    2756.   2185   -571.  79.3   8.1    5245.   4005  -1240.  76.4   *01N10558 135m north of Riverlea Rd
  4113  2899     507.    450    -57.  88.8   1.8     204.    225     21. 110.3   1.0     711.    675    -36.  94.9   *Matangi Rd at bridge 151
  6531  6544    1414.   1490     76. 105.4   1.4    1448.   1539     91. 106.3   1.6    2862.   3029    167. 105.8   *Victoria St (Queen/Whitaker)          ITM scaled to 2hr
2
  4449  4470     556.    511    -45.  91.9   1.4     704.    624    -80.  88.6   2.2    1260.   1135   -125.  90.1   *Victoria Rd(Taylor/Hautapu)           ITM scaled to 2hr
  2724  5400     180.    225     45. 125.0   2.2     120.     87    -33.  72.5   2.4     300.    312     12. 104.0   *Thornton Rd (Victoria/Grosvenor)
  5690  5849    1919.   1249   -670.  65.1  11.9    1431.   1123   -308.  78.5   6.1    3350.   2372   -978.  70.8   *SH1n 120m south of Pickering Rd       01N00563                  Avg of
06
 10684  2621     934.    877    -57.  93.9   1.4    1341.   1310    -31.  97.7   0.6    2275.   2187    -88.  96.1   *SH3 1510m past SH21                   00300012
08.11.06prox
  2504  4148     288.    206    -82.  71.5   3.7     217.    271     54. 124.9   2.4     505.    477    -28.  94.5   *Bond Rd 30m nth of Rogers Pl           2008 counts provided by J Winter,
scale
  6178  6214     430.    303   -127.  70.5   4.7     403.    266   -137.  66.0   5.3     833.    569   -264.  68.3   *18000m Cambridge Rd Rural             115 CAMBRIDGE
27Nov2006.EC022.11.06
  5418  6206     899.    630   -269.  70.1   6.9     868.    850    -18.  97.9   0.4    1767.   1480   -287.  83.8   *Alexandra St                          068 ALEXANDRA
05Dec2006.EC029.11.06
  5926  6136     167.    130    -37.  77.8   2.1     138.    151     13. 109.4   0.7     305.    281    -24.  92.1   *Bridgman Rd                           010 BRIDGMAN 03Nov2006.EC0
25.10.06
  4510  2824     711.    692    -19.  97.3   0.5     762.    884    122. 116.0   3.0    1473.   1576    103. 107.0   *200m sth of Cambridge Rd RAB          00300027
11.10.06
 11582  9564    1111.    772   -339.  69.5   7.8     837.    531   -306.  63.4   8.3    1947.   1303   -644.  66.9   *00200002 MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg
 13672 13500    2374.   2306    -68.  97.1   1.0        No Back Link Present .          2374.   2306    -68.  97.1   *01N10474 Bombay-Telemetry No Site 72-SB NB
 13784 13500     No Forward Link Present .          2900.   2731   -169.  94.2   2.3    2900.   2731   -169.  94.2   *01N10474 Bombay-Telemetry No Site 72-SB SB
  8810 10726     397.    267   -130.  67.3   5.1     507.    364   -143.  71.8   4.8     904.    631   -273.  69.8   *00500082 520M Sth of ERP 77/3.70, Waiotapu
  9645  9627    1294.   1270    -24.  98.1   0.5    1244.   1144   -100.  92.0   2.0    2538.   2414   -124.  95.1   *01N00509 685m Sth of Tahuna Overbridge, Rangiriri
  8455  9868     485.    585    100. 120.6   3.1     428.    576    148. 134.6   4.7     913.   1161    248. 127.2   *02600038 250m East of No. 7 Rd) SH 26 RS 35 RP 2.67
  8698  8281     507.    506     -1.  99.8   0.0     424.    466     42. 109.9   1.4     931.    972     41. 104.4   *00200098 200m Sth of Trigg Rd
  8832  9232     400.    425     25. 106.2   0.8     221.    177    -44.  80.1   2.2     621.    602    -19.  96.9   *02500036 Speed Restriction Sign (Whakatete Bay Sth end)
  8854  8642     177.     83    -94.  46.9   5.9     209.    165    -44.  78.9   2.3     386.    248   -138.  64.2   *02500177 Swampy Stream Bridge

Number of links =   121 Number of forward links =   120 Number of back links =   120

 TOTALS   FORWARD    BACK      TOTALS

 COUNT    91896.    96394.   188284.
 VOLUME   83852.    90966.   174818.
 CHANGE   -8044.    -5428.   -13466.
   %         91.       94.       93.
CORREL.
 COEFF.    0.940     0.961     0.970
 %RMS      29.75     26.98     22.13
```

```
r^2      0.884     0.923     0.940
GEH       19.2      12.5      22.3

GEH  <5    <7   <10   <12   >12
#   163   202   225   232     8
%  67.9  84.2  93.8  96.7   3.3

CORDON terminated successfully
```