



Waikato Regional Transport Model

Three Step Validation Update
(2013)

Technical Note 30

May 2015

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Quality Assurance Statement

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Response to Second Comments by Peer Reviewer

1. Purpose

The purpose of this note is to document the procedure followed to assign vehicle trips to the road network, and to report on the 2013 model validation after assignment of the three step model (version 101).

A memo clarifying questions raised by the peer reviewer is appended as **Appendix C** for completeness.

2. Assignment Parameters

2.1 Loading Profile

The trip matrices that result from the trip generation and trip distribution phases 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.

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.

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	27,60 cents per minute	37.19 cents per minute
4	11	0	0		
5	10	54	15		
6	10	0	0		
7	11	75	15		
8	6	0	0		
9	6	87	15	17.08 cents per km	72.31 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	33.21 cents per minute	37.19 cents per minute
4	12	0	0		
5	12	0	0		
6	11	0	0		
7	10	0	0		
8	10	91	15		
9	1	92	15	17.08 cents per km	72.31 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	30.07 cents per minute	37.19 cents per minute
6	10	0	0		
7	10	0	0		
8	10	0	0		
9	7	87	15	17.08 cents per km	72.31 cents per km
10	3	90	15		
11	2	92	15		
12	1	93	30		
13	2	95	15		
14	4	99	15		
15	1	100	15		

Table 1: Assignment Parameters

2.2 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 $V_{capacity}/V_{free\ flow} = 0.5$. 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:

$$t = t_0 \left\{ 1 + 900 r_f \left[(x - 1) + \left((x-1)^2 + (8J_A x) / (Q t_0 r_f) \right)^{1/2} \right] \right\}$$

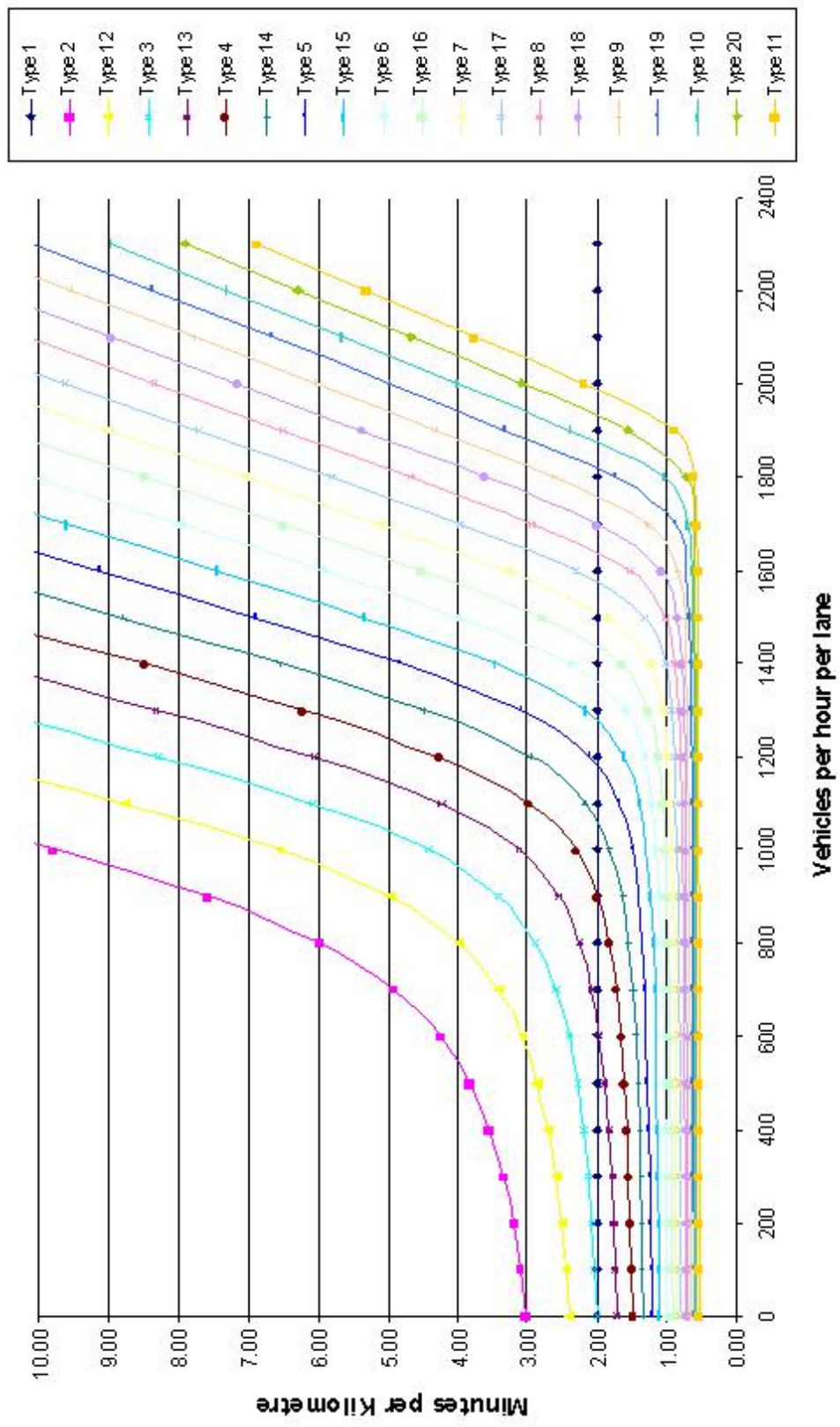
Where:

- t = travel time per unit distance (secs/km)
- t_0 = 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 ₀

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



2.3 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

2.3.1 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:

$$d = \begin{matrix} r/\mu (1 - r) & \text{steady state conditions, } r < 1 \\ (r - 1) T/2 & \text{deterministic conditions, } r > 1 \end{matrix}$$

Where:

$$r = q_2 / \mu$$

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

- T = duration of time period over which a steady state is assumed
- q₁ = major road flow rate
- q₂ = 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 algorithm 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 (lane sharing algorithm)	200

Table 3: Intersections: Lane Sharing Parameters

2.3.2 Signalised Intersections

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:

$$d = D/q \quad \text{eqn (6.4)}$$

Where:

D = total delay (veh/hr/hr)

q = flow rate (veh/s)

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

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)

N₀ = average overflow queue (vehicles)

x = q/Q = degree of saturation

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

Where:

Q = capacity (veh/hr)

T_f = flow period (hours)

z = $x - 1$

x_0 = degree of saturation below which the average overflow queue is approximately zero = $0.67 + sg/600$

2.3.3 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 in a 1991 report by Gabites Porter entitled '*Performance analysis of Priority Intersections – a Practitioners Guide*'.

3. Model Convergence

3.1 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	3192941	3153425	2813934	2819287	3837480	3679643
Previous Run	3193179	3153489	2813960	2819307	3837201	3679806
Absolute Difference	-238	-64	-25	-20	278	-163
% Diff	0.007%	0.002%	0.001%	0.001%	0.007%	0.004%

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 runs.

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 it 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).

3.2 Link Flow Convergence

The EEM requirement for link flow stability is 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%	22742	99.89%	99.95%
	2.5% - 5%	10	0.04%	
	> 5%	18	0.07%	
Total		22770	100	
INP	0% - 2.5%	22391	98.34%	98.96%
	2.5% - 5%	142	0.62%	
	> 5%	232	1.02%	
Total		22770	100	
PMP	0% - 2.5%	22258	97.75%	98.63%
	2.5% - 5%	199	0.87%	
	> 5%	308	1.35%	
Total		22770	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.

4. Travel Time Validation

Between 5 and 23 March 2014, eight Hamilton 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 Hamilton routes are presented in **Figure 2** through **Figure 5**.

In addition to these Hamilton travel routes collected in 2013, the model has been assessed against the regional travel routes collected for the original 2006 model build as a check to see that the model reasonably replicates these outer-lying routes as well. This has been performed as a check rather than as validation as it is a comparison of different years. The regional routes are shown in **Figure 6**.

A summary of the model versus survey travel times is included as **Table 6** for the Hamilton routes and **Table 7** for the regional routes. This table details the surveyed mean, 95th percentile maximum, 95th percentile minimum and standard deviations for each route within the Hamilton urban area. They also detail the percentage difference and absolute difference between the modelled journey times and the surveyed average journey times.

In **Appendix A** to this Technical Note full travel time validation output files from the TRACKS model are presented for each route and period.

In all three periods, journey validation for the routes was very good and easily met any EEM criteria with all routes within the 95% confidence interval. They also met the New Zealand Modelling User Group (NZMUGS) Transport Model Development Guidelines (draft) with at least 80% of the routes being within 15% of surveyed times, although some of these falling just outside the 1 minute difference threshold.

AM PEAK		Accumulated Time (in Seconds)						
		Observed				Modelled		
Journey - Hamilton Routes	Distance (km)	95% CI Minimum	Average	95% CI Max	Std Dev	Time	Abs Diff	% Diff
H1NB	10.4	725	976	1226	220	922	-54	-5.5%
H1SB	10.4	857	1068	1279	152	911	-157	-14.7%
H2EB	2.8	227	426	625	144	361	-65	-15.2%
H2WB	2.8	217	438	659	159	403	-35	-7.9%
H3NB	5.0	406	634	861	235	675	41	6.5%
H3SB	5.0	530	870	1210	301	664	-206	-24%
H4EB	7.3	548	825	1102	325	746	-79	-10%
H4WB	7.3	646	1021	1396	393	755	-266	-26%
H5NB	13.2	1063	1368	1673	492	1408	40	2.9%
H5SB	13.2	958	1232	1505	442	1416	184	15.0%
H6EB	20.4					1745*		
H6WB	20.3					1717*		
H7NB	6.0	581	724	866	284	632	-91	-12.6%
H7SB	6.0	533	665	796	271	624	-41	-6.1%
H8NB	7.3	752	910	1068	356	928	17	1.9%
H8SB	7.3	785	951	1117	373	961	10	1.1%
Total ¹	144.7		12107			11406	-701	-5.8%

INTERPEAK		Accumulated Time (in Seconds)						
		Observed				Modelled		
Journey - Hamilton Routes	Distance (km)	95% CI Minimum	Average	95% CI Max	Std Dev	Time	Abs Diff	% Diff
H1NB	10.4	778	930	1082	443	922	-8	-0.9%
H1SB	10.4	759	915	1071	432	939	24	2.6%
H2EB	2.8	176	333	490	139	304	-29	-8.6%
H2WB	2.8	215	406	597	169	345	-61	-15%
H3NB	5.0	372	588	804	221	668	80	14%
H3SB	5.0	469	673	878	209	662	-11	-1.6%
H4EB	7.3	532	808	1085	316	745	-63	-7.8%
H4WB	7.3	488	741	994	289	739	-2	-0.2%
H5NB	13.2	906	1144	1381	485	1377	233	20%
H5SB	13.2	970	1217	1464	550	1318	101	8.3%

¹ Routes H6EB and H6WB excluded from modelled totals where observed data does not exist

H6EB	20.4					1706*		
H6WB	20.3					1670*		
H7NB	6.0	519	635	751	257	663	28	4.4%
H7SB	6.0	522	641	760	250	624	-17	-2.6%
H8NB	7.3	687	827	967	328	903	76	9%
H8SB	7.3	684	820	956	348	889	68	8.3%
Total	144.7		10678			11098	420	3.9%

PM PEAK		Accumulated Time (in Seconds)						
		Observed				Modelled		
Journey - Hamilton Routes	Distance (km)	95% CI Minimum	Average	95% CI Max	Std Dev	Time	Abs Diff	% Diff
H1NB	10.4	839	1022	1204	352	987	-35	-3%
H1SB	10.4	806	998	1189	361	992	-6	-0.6%
H2EB	2.8	261	523	785	189	434	-89	-17%
H2WB	2.8	203	385	568	161	371	-14	-3.7%
H3NB	5.0	463	743	1022	247	780	37	5.0%
H3SB	5.0	406	756	1106	357	773	17	2%
H4EB	7.3	739	1131	1523	400	825	-306	-27%
H4WB	7.3	517	786	1055	308	758	-28	-3.5%
H5NB	13.2	1149	1477	1805	473	1562	85	6%
H5SB	13.2	1270	1644	2018	427	1578	-66	-4.0%
H6EB	20.4	1258	1856	2453	431	2040	184	9.9%
H6WB	20.3	1210	1785	2360	415	1845	60	3.4%
H7NB	6.0	587	726	865	246	647	-79	-11%
H7SB	6.0	581	717	853	268	640	-77	-11%
H8NB	7.3	881	1068	1255	343	1152	84	8%
H8SB	7.3	910	1112	1314	372	1062	-50	-4.5%
Total	144.7		16729			16446	-283	-1.7%

Table 6: Summary of Hamilton Journey Times All Peaks

In the AM peak, 10 of the 14 routes meet the target criteria of modelled being within 15% of observed travel times, which is 71% overall and just fails the 80% target. For the four routes exceeding 15% difference, one of these is 15.0% and another is 15.2%, so rounding to integers, 12 of the 14 routes would be equal to or less than the 15% threshold (noting that the threshold is actually less than 15%). This equates to 86% of all routes which indicates that the AM peak outputs are near to the EEM target of 80% routes being within 15% difference for modelled verses observed.

In the interpeak, two routes have modelled travel times more than 15% different than the observed. This means that 12 out of 14 routes have a modelled travel time within 15% of observed, which is 86% of routes exceeding the target of 80%.

In the PM peak, two routes are more than 15% faster than observed. This results in 14 of the 16 routes being within 15%, which is 88% exceeding the 80% target.

The total modelled travel time compared to the surveyed times over all Hamilton routes is very good for all periods with -5.8% in the AM peak (with an average of 50 seconds difference per route), 3.9% in the Interpeak (with an average of 30 seconds difference per route) and -1.7% in the PM peak (with an average of 18 seconds difference per route).

The travel time validation for the 2013 assignment meets the target criteria for the interpeak and PM peak periods – and is close for the AM peak.

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	6977	73	1.04%	6762	-142	-2.10%	7017	113	1.61%
R1WB SH2	154.1	6845	6869	6893	31	6932	63	0.91%	6744	-125	-1.85%	7039	170	2.42%
R2aNB SH1	67.9	2842	2909	2964	61	2926	17	0.58%	2948	39	1.33%	3067	158	5.15%
R2aSB SH1	67.7	2807	2903	2999	126	2967	64	2.15%	2945	42	1.43%	2991	87	2.92%
R2cNB SH1	17	688	735	768	29	685	-50	-7.37%	685	-50	-7.32%	689	-46	-6.75%
R2cSB SH1	17	692	729	786	38	681	-48	-7.04%	688	-41	-5.92%	701	-27	-3.89%
R2dNB SH1	33.4	1225	1483	2045	201	1385	-98	-7.06%	1385	-99	-7.11%	1398	-85	-6.05%
R2dSB SH1	33.4	1197	1465	1769	158	1339	-126	-9.38%	1328	-137	-10.29%	1335	-130	-9.73%
R3aNB SH1B	29.3	1197	1264	1379	104	1299	35	2.66%	1300	36	2.80%	1311	47	3.59%
R3aSB SH1B	29.3	1149	1253	1405	132	1282	29	2.26%	1286	33	2.54%	1291	38	2.95%
R3bNB SH1B	17	769	816	862	56	768	-49	-6.33%	772	-45	-5.79%	779	-37	-4.73%
R4EB SH29	60.1	2583	2600	2617	24	2751	151	5.50%	2724	124	4.56%	2776	177	6.36%
R4WB SH29	60	2430	2553	2772	184	2620	67	2.55%	2623	70	2.66%	2658	105	3.95%
R5NB SH1	31.5	1308	1395	1538	105	1351	-44	-3.26%	1351	-44	-3.28%	1360	-35	-2.59%
R5SB SH1	31.5	1268	1355	1510	91	1353	-2	-0.18%	1350	-5	-0.40%	1356	1	0.05%
R6NB SH32	118	4682	5039	5358	338	5128	88	1.72%	5124	85	1.65%	5127	87	1.71%
R6SB SH32	118	5020	5138	5256	165	5124	-14	-0.28%	5128	-10	-0.19%	5138	0	0.00%
R7NB SH1	58.6	2665	2668	2671	2	2690	21	0.79%	2710	42	1.54%	2801	132	4.73%
R7SB SH1	58.6	2508	2710	2863	95	2727	17	0.63%	2716	6	0.21%	2758	48	1.75%

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	-2.97%	2023	-53	-2.64%	2024	-52	-2.55%
R9NB SH5	122	4865	5111	5357	336	5000	-112	-2.23%	5013	-99	-1.97%	5080	-31	-0.62%
R9SB SH5	122	5052	5161	5332	142	5010	-151	-3.01%	4983	-178	-3.58%	5025	-136	-2.71%
R10aNB SH27	45	1640	1731	1838	100	1833	102	5.58%	1832	101	5.53%	1837	107	5.80%
R10aSB SH27	45	1663	1740	1869	113	1856	116	6.23%	1853	113	6.12%	1856	116	6.22%
R10bNB SH27	47.5	1992	2079	2166	113	1984	-95	-4.77%	1981	-98	-4.94%	1996	-82	-4.13%
R10bSB SH27	47.5	2030	2139	2284	118	1972	-168	-8.50%	1969	-170	-8.63%	1978	-161	-8.14%
R11aNB SH3	52.8	2308	2415	2522	146	2369	-46	-1.93%	2358	-57	-2.40%	2369	-46	-1.94%
R11aSB SH3	52.8	2319	2372	2423	52	2353	-19	-0.79%	2371	-1	-0.03%	2398	26	1.07%
R11bNB SH39	70.3	2828	2876	2942	59	2926	50	1.71%	2920	44	1.51%	2928	52	1.78%
R11bSB SH39	70.4	2903	2906	2909	4	2824	-82	-2.90%	2834	-72	-2.54%	2844	-62	-2.17%

Table 7: Summary of Regional Journey Times All Peaks

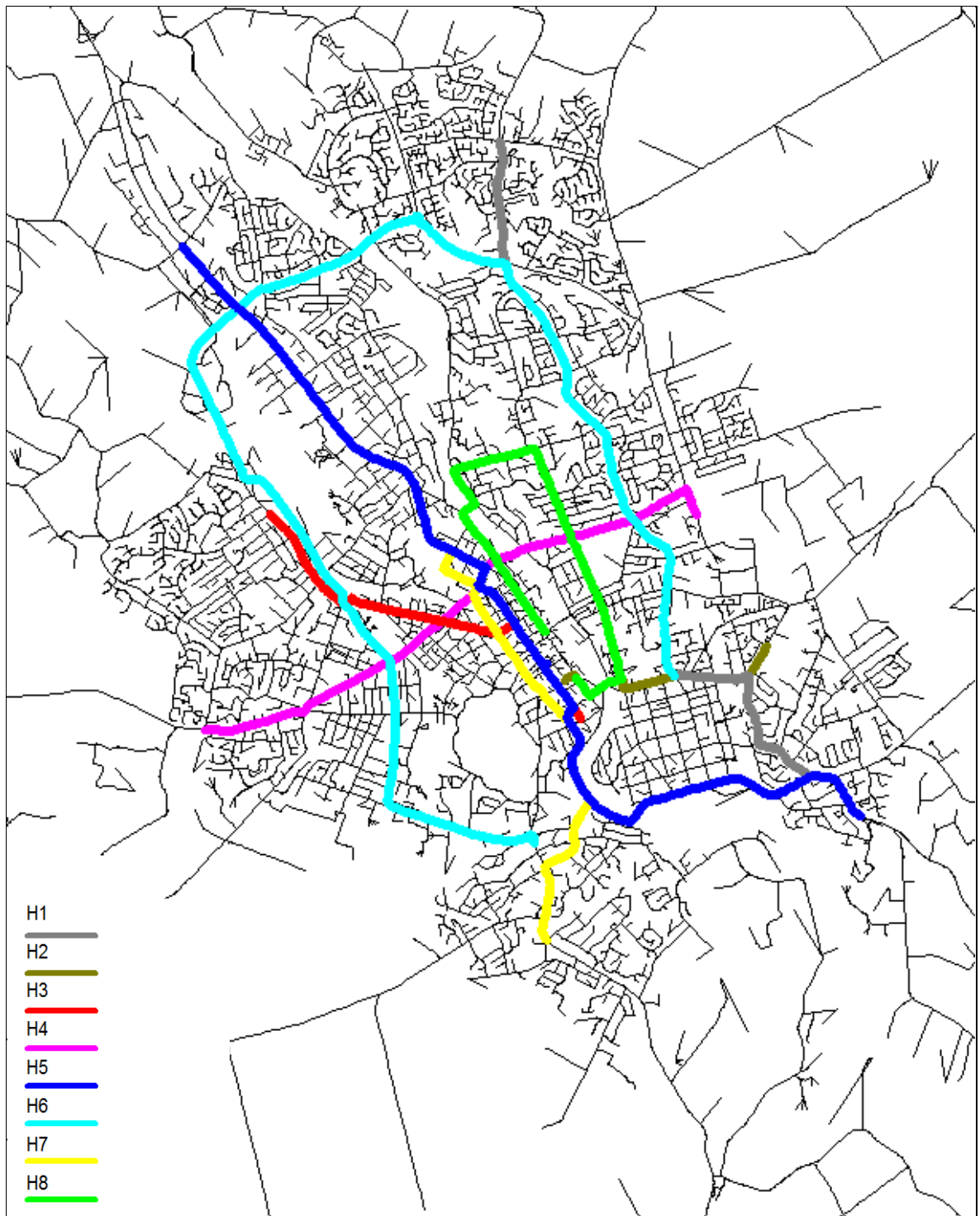
The regional travel time routes in the 2013 assignment are fairly similar in terms of modelled verses observed for most routes with the main differences explained by the infrastructure changes listed below:

- R1 SH2; now has Maungatawhiri Bypass in place;
- R2a SH1; Te Rapa Bypass in place, signal upgrade at Wairere Dr/Te Rapa Rd, The Base Parade/Te Rapa Rd and Ruffell Rd/Te Rapa Rd;
- R7 SH1 (Taupo); Taupo Bypass in place with new roundabout at SH1/Anzac Memorial Dr;
- R9 SH5 (Rotorua); Slip lane southbound on Ngongotaha Rd at Old Quarry Rd;
- R10a; New roundabouts at Paeroa-Tahuna Rd/SH27 and SH27/SH26.

In addition to the above infrastructure changes, other changes introduced to the network that have affected the travel times are:

- R9 SH5; Modelled road speed increased from Waikite Valley Rd to Taupo Bypass (95kph to 100kph);
- R10a; Modelled road speed decreased between Kaihere Rd to SH26 (100kph to 90kph);
- R10b; Modelled road speed increased between Ngarua Rd to Diagonal Rd (95kph to 100kph) and Wardville Rd to Peria Road (75/85kph to 90kph).

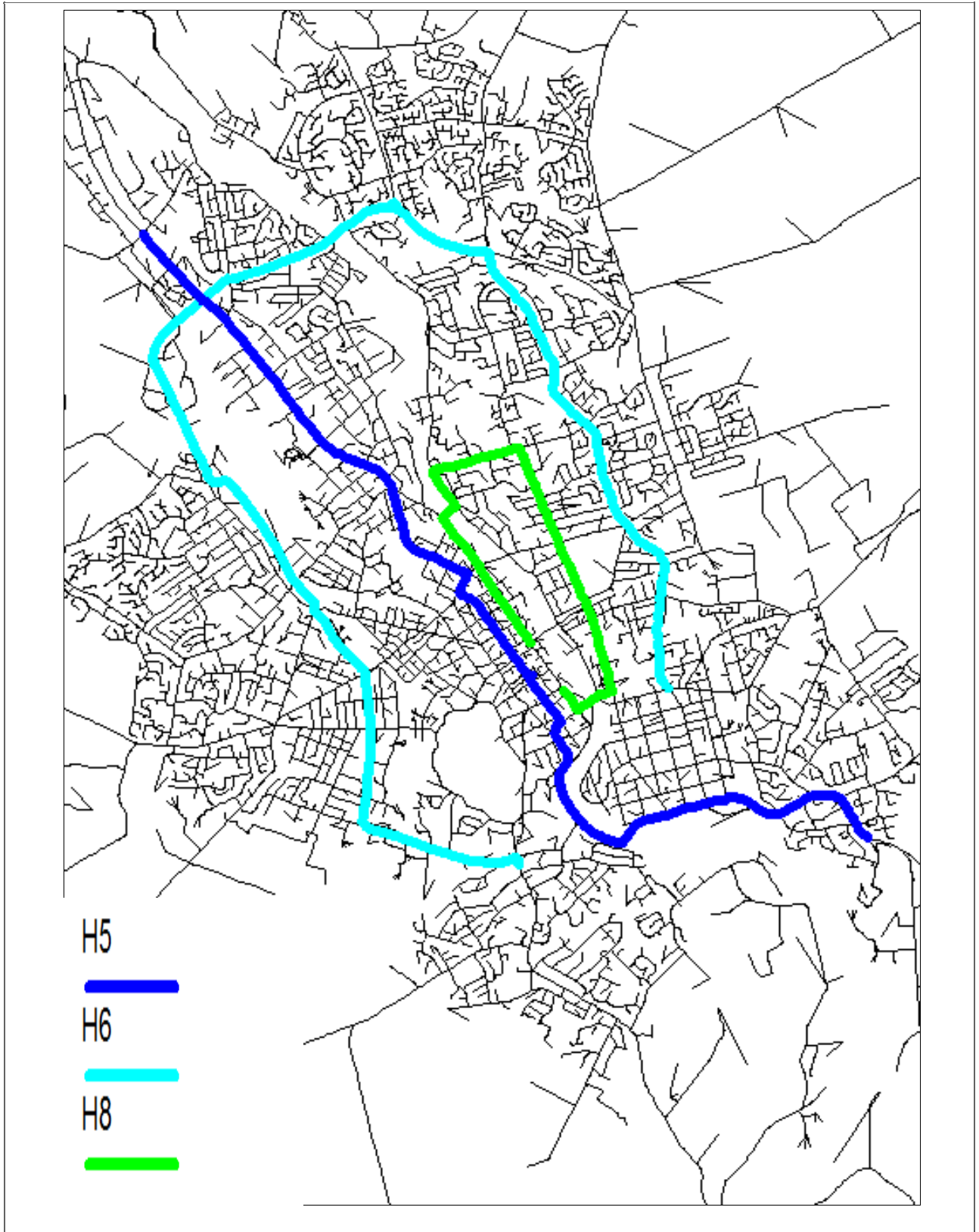
The SH26 and SH27 road speed amendments are taken from version 7.1 of the WRTM which incorporated these changes as a result of extensive analysis into trips through the region. These changes are necessary to obtain the right amount of regional through trips using SH27 which is very important for assessments of the Hamilton section of the Waikato Expressway. Any detriment to journey time analysis along this route is considered less important than the effect on the regional through trips.

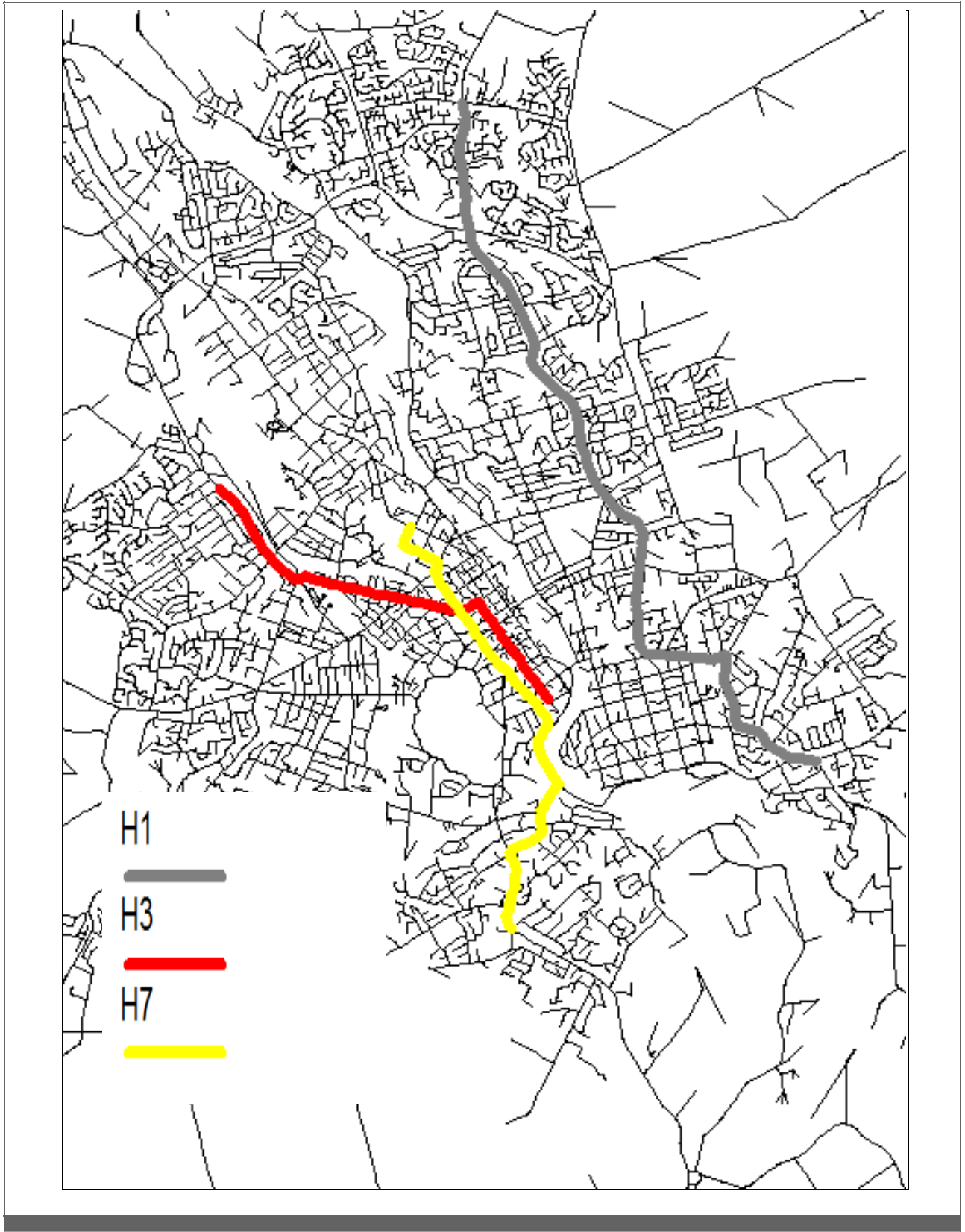


Hamilton Surveyed Travel Time Routes – All Routes



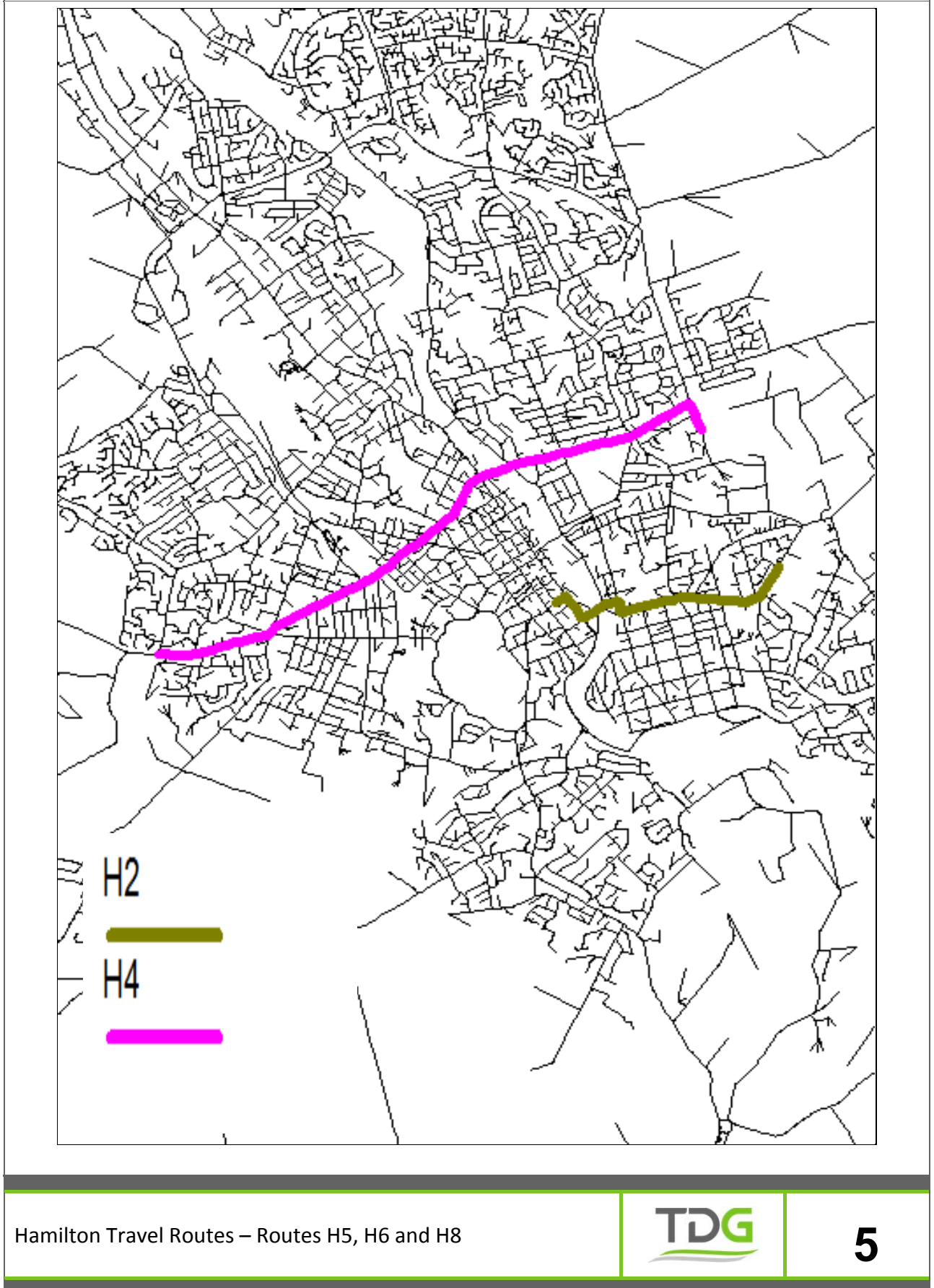
2





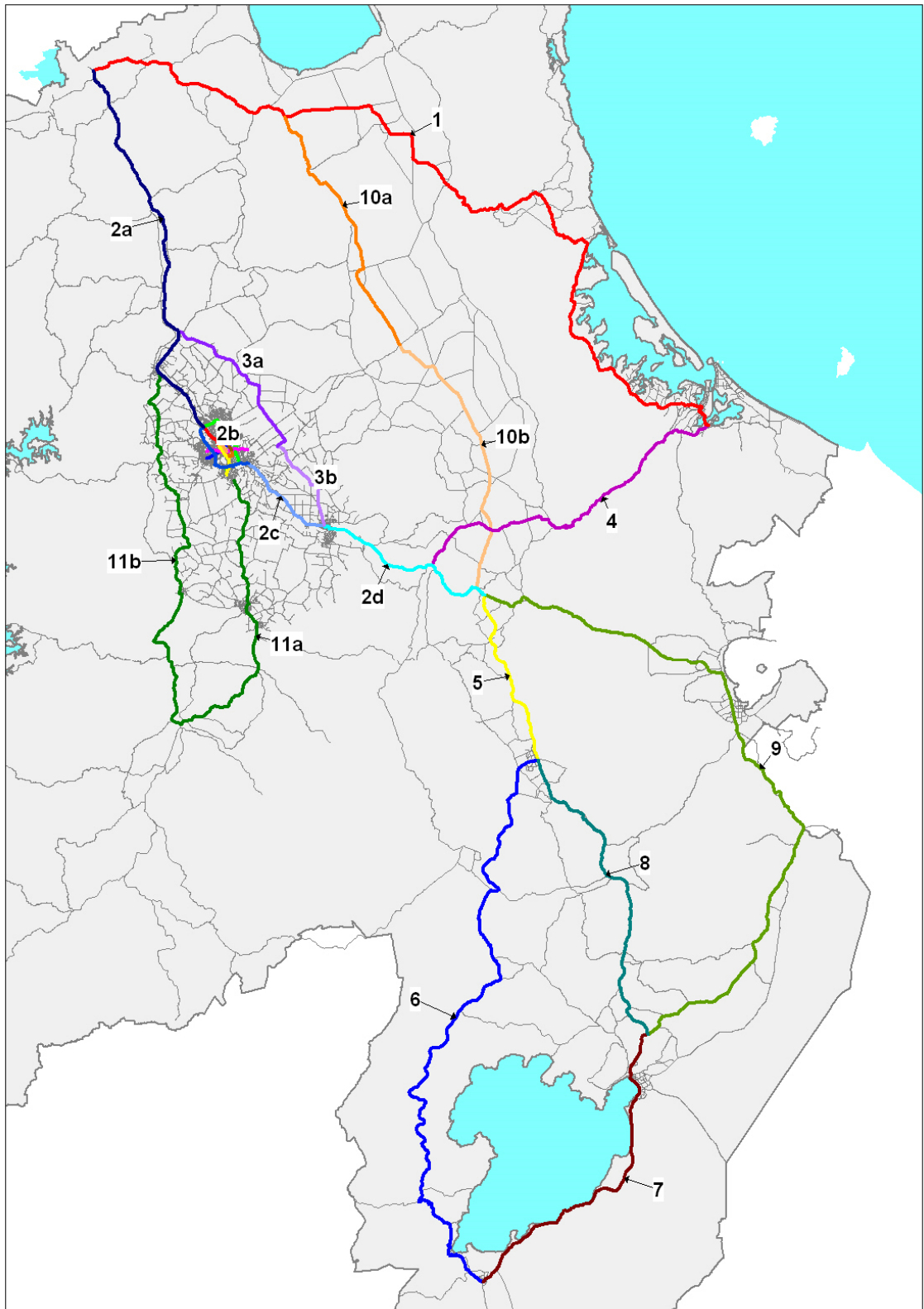
Hamilton Travel Routes – Routes H1, H3 and H7





Hamilton Travel Routes – Routes H5, H6 and H8





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



5. Validation Against Traffic Counts

5.1 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 and the targets are listed in **Table 8**. Further to this the NZMUGS Transport Model Development Guidelines have similar criteria as listed in **Table 9**. The NZMUGS guidelines have different targets for different types of model. In this case, the WRTM has been assessed as a model type "A", which is a regional transport model (3 or 4 step model).

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

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

Where:

- Σ = Sum of...
- X = Variable X (observed traffic)
- X_i = The mean of variable x (observed traffic)
- Y = Variable y (modelled traffic)
- Y_i = 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 equivalents for GEH comparisons (as the targets are on the basis on one hour evaluation).

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 7** and **Figure 8**.

A summary of the cordon results can be found below in **Table 12a**, **Table 13a** and **Table 14a** for all vehicles and in **Table 12b**, **Table 13b** and **Table 14b** for heavy vehicles for the morning, interpeak and evening periods respectively. Corresponding scatterplots for all links in each period are shown in **Figure 9a-b**, **Figure 10a-b** and **Figure 11a-b**, with full cordon outputs in **Appendix B**.

Note that in many cases the screenlines cannot be compared directly with the 2006 screenlines due to some sites being different or excluded for reasons of count availability, data quality, or due to significant changes in the network due to infrastructure works (e.g. Te Rapa Bypass, intersection upgrades (signals) along Wairere Drive and Wairere Drive extension). Affected counts have been grouped together separately (in Cordon Number 21 in Appendix B) and are not included in the overall analysis.

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: EEM Model Traffic Flow Validation Guidelines

Screenline Totals				
Traffic Flow	± 5% for >70% of screenlines			
	± 10% for >80% of screenlines			
Correlation Coefficient	>0.85			
% RMS	<30% acceptable			
	30-40% requires clarification			
	>40% likely to be inappropriate			
GEH	<5 for >60% of screenlines			
	<7.5 for >75% of screenlines			
	<10 for >90% of screenlines			
Individual Links (VPH)	1 hr Period			
0-700	± 100vph for >70% of counts			
700-2700	± 15% for >70% counts			
2700+	± 400vph for >70% counts			
GEH	<5	<7.5	<10	<12
	65%	75%	85%	95%

Table 9: NZMUGS Model Traffic Flow Validation Guidelines Summary

A summary of the model screenlines comparison to NZTA EEM guidelines is presented below in **Table 10** and against the NZMUGS validation guidelines in **Table 11**.

Model Screenline Summary to NZTA EEM Guidelines					
		Target	Morning Peak	Inter Peak	Evening Peak
Traffic Flow	+/- 10%	Most	83%	75%	73%
	> +/-10%	Very few	17%	25%	27%
Corr. Coeff.	>0.85	Most	0.975	0.95	0.95
% RMS	<30%	Acceptable	32	29	33
	>30%	Clarify	8	11	7
GEH (on screenline totals)	<4	Most	36	32	31
	>4	Very few	4	8	9
All Individual Links on Screenlines	0 - 10k	No daily model created to date			
	10k - 20k				
	20k - 30k				
	30k - 50k				
	50k+				
	GEH < 5	60%	85.4%	182.9%	79.7%
	GEH < 10	95%	97.6%	98.0%	97.6%
	GEH < 12	100%	98.4%	98.8%	98.0%

Table 10: Model Screenline Summary to NZTA EEM Validation Guidelines

Model Screenline Summary to NZMUGS Guidelines					
		Target	Morning Peak	Inter Peak	Evening Peak
Traffic Flow	+/- 5%	>70%	53%	45%	55%
	+/- 10%	>80%	83%	75%	73%
	> +/-10%	<20%	17%	25%	27%
Corr. Coeff.	>0.85	Most	0.925	0.95	0.95
% RMS	<30%	Acceptable	32	29	33
	30-40%	Clarify	4	7	5
	>40%	Inappropriate	4	4	2
GEH (on screenline totals)	<5	>60%	88%	80%	75%
	<7.5	>75%	100%	95%	88%
	<10	>90%	100%	98%	98%
All Individual Links on Screenlines	0 – 700vph	>70%	79%	83%	74%
	700 – 2700	>70%	77%	75%	74%
	2700vph +	>70%	100%	-	75%
	GEH < 5	65%	85.4%	82.9%	79.7%
	GEH < 7.5	75%	93.1%	93.5%	92.3%
	GEH < 10	85%	97.6%	98.0%	97.6%
	GEH < 12	95%	98.4%	98.8%	98.0%

Table 11: Model Screenline Summary to NZMUGS Validation Guidelines

Validation of screenline flows was generally very good for light and heavy vehicles combined, meeting most of the EEM and NZMUGS guidelines. The individual link flow comparisons were generally outside the guidelines, but that is not surprising in a strategic model, which is one of the reasons that the GEH statistic is used.

In total there are 20 screenlines or 40 directional screenlines in each of the three periods making 120 screenlines in all. Of the 120, only 2 had a correlation coefficient less than 0.85, and most were above 0.9. Ten had a %RMS greater than 40 – generally on low volume screenlines. Total GEH values on the screenlines were well above the NZ MUGS guidelines although a few had directional screenline GEHs greater than 4.0 but were within the EEM guidelines.

Having met the GEH criteria, which better reflects the relative size of the count to the difference, in all but a couple of minor cases indicates that overall the differences between surveyed counts and modelled volumes was very good. The Railway screenline again proved notoriously difficult to model, as has always been the case, and may be subject to local irregularities of drivers choosing routes based on different assumptions than is general around the rest of the study area. This level of validation is considered appropriate for a large regional transport model.

Heavy commercial vehicle screenline validation was also generally very good when considering the GEH. The percentage difference, correlation coefficient, RMS and R-squared on individual screenlines were often outside the criteria given in the tables above but these

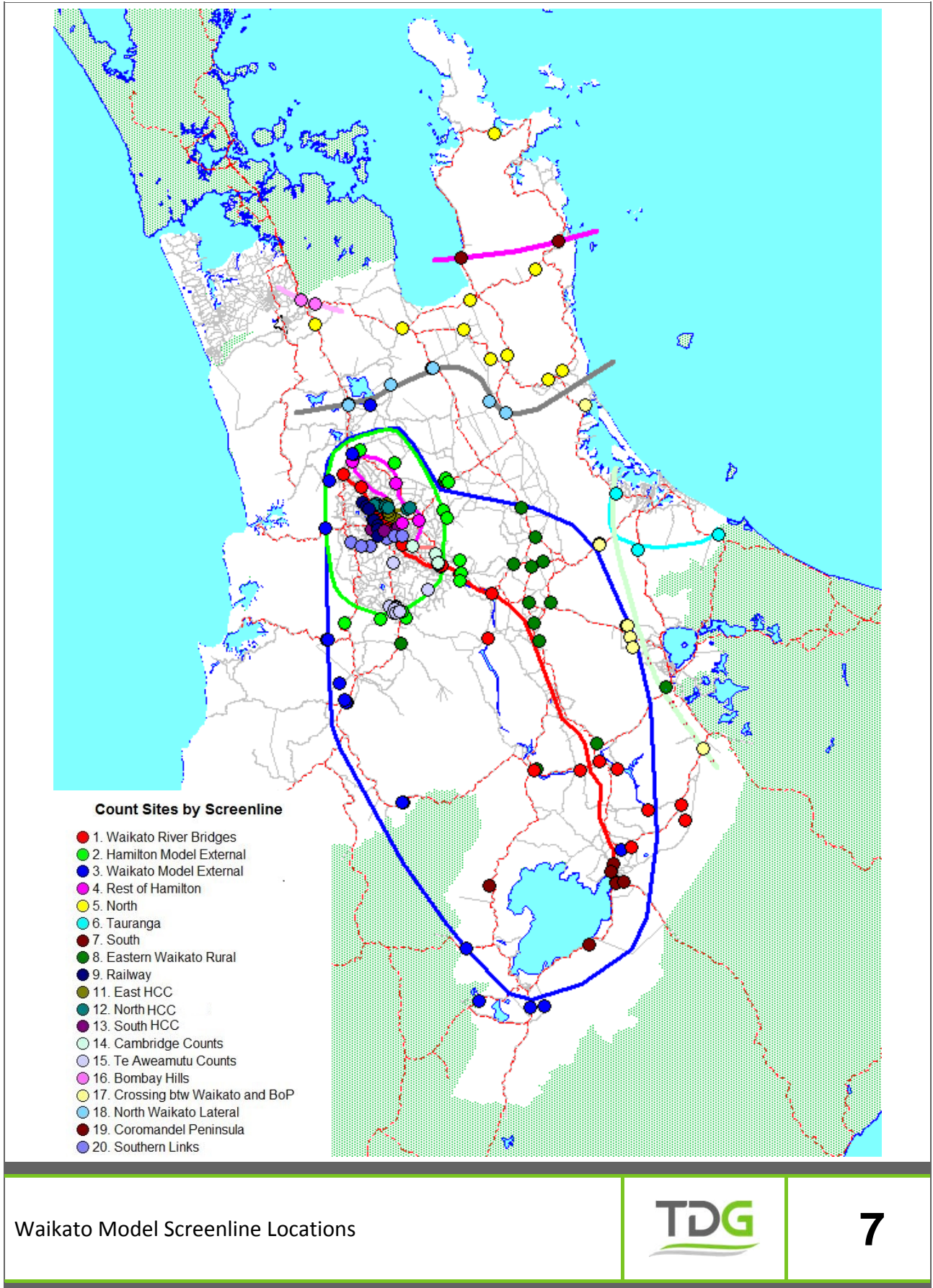
do not take into account the low volumes like the GEH statistic does. It is also worth noting that these criteria are set up to reflect total vehicle validation rather than the specific heavy vehicle trip validation. Indeed, the validation of specific vehicle types is not dealt with in the EEM (or the NZMUGS guidelines) unless models are of a “local” nature and required specific vehicle class validation as part of the analysis.

Further, in order to have heavy vehicle screenlines match the all vehicle screenlines some sites that did not have a separate heavy vehicle count available were estimated based on nearby or similar road types, or for state highways the non-directional heavy split applied to both directions. These have been indicated with comments in the appendix.

The all vehicle scatterplots show a good overall fit of modelled volumes to surveyed counts with an R-squared of 0.97, 0.94 and 0.95 for the morning, interpeak and evening peaks respectively. The heavy vehicle scatterplots show that for larger volumes the model is often too high or too low resulting in R-squared's of 0.82, 0.72 and 0.79 for the morning, interpeak and evening peaks respectively. These sites were all high volume state highway roads and commonly to the north on SH1 at Horace Russell Rd, the SH2 interchange and the Bombay Hills telemetry site.

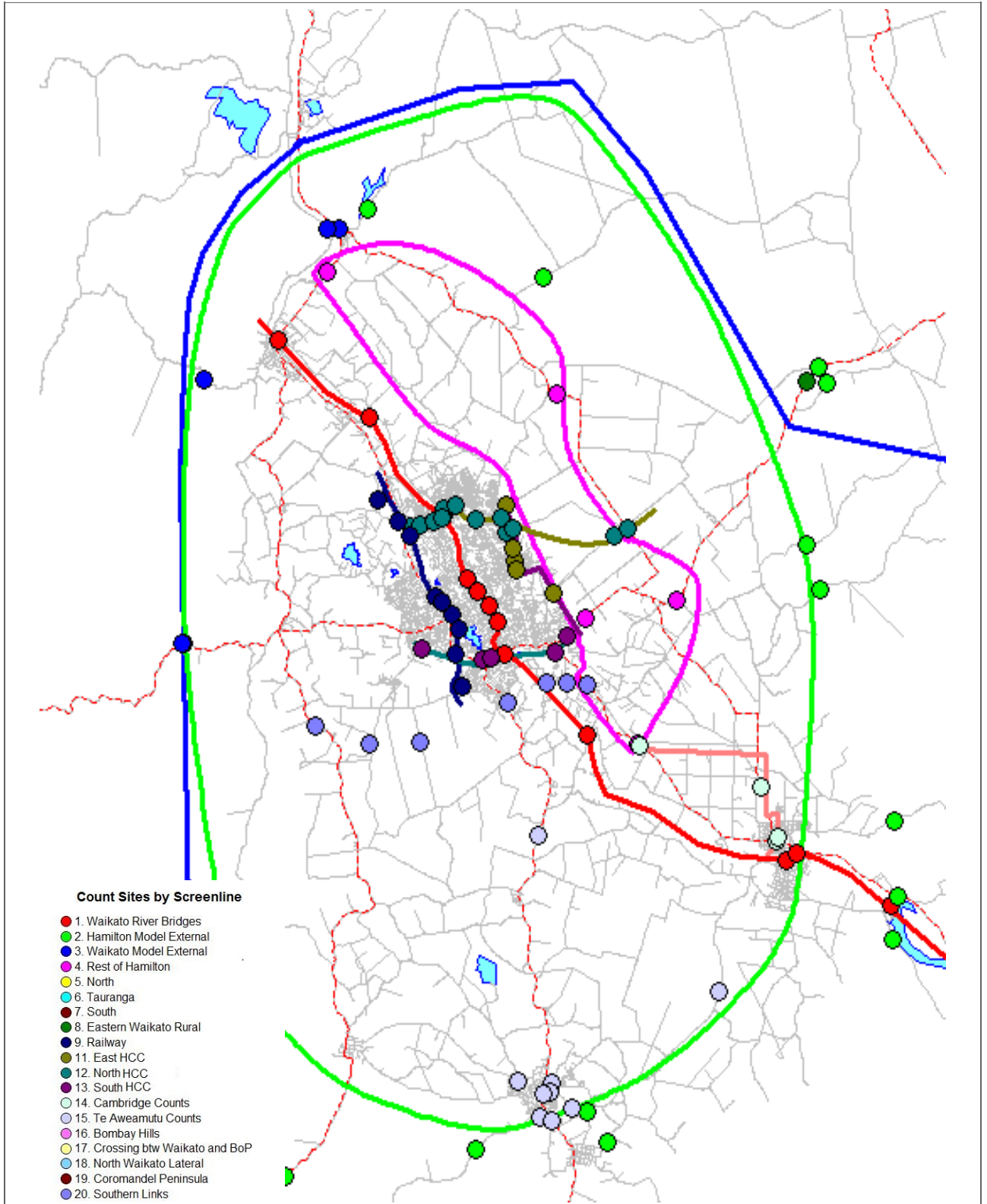
However, in all cases the slope of the scatterplot best fit line is within the NZMUGS guidelines for Strategic models for both all vehicles and Heavy vehicles, with the lowest slope being 0.9 for Evening peak HGVs, and the highest 1.02 for Interpeak All Vehicles.

While the model largely meets the validation criteria on a regional basis it is recommended that any specific project work using the model will first employ some local area validation. This local area validation will investigate the models fit to surveyed data in the area of interest for the project, and any adjustments required will be incorporated as necessary, ensuring the ability to retain the overall regional validation throughout the model area as well as local area detail as required. It may be that criteria for different model categories as defined in the NZMUGS guidelines will be more appropriate for project validation, and indeed, in many cases the criteria for Strategic Network or Urban Area models have already been achieved.



Waikato Model Screenline Locations





Waikato Model Screenline Locations Inset



5.2 Morning Peak Validation

The assignment results for 2013 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 first for total vehicles and then for heavy vehicles only. Scatter plots of modelled verses observed are provided at the end of this section for total vehicles and for heavy vehicles only.

Screenline 1 – Waikato River Bridges

	Forward		Back	
Count	10206		14255	
Volume	9585		13530	
Change	-621		-725	
%	94		95	
Correlation Coefficient	0.984		0.983	
%RMS	14.09		15.46	
GEH	4.4		4.3	
GEH Total	6.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	95.8	95.8	100	100

Screenline 2 – Hamilton Model External Cordon

	Forward		Back	
Count	6051		5593	
Volume	5881		5793	
Change	-170		200	
%	97		104	
Correlation Coefficient	0.984		0.990	
%RMS	20.76		16.36	
GEH	1.6		1.9	
GEH Total	0.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	92.9	92.9	100	100

Screenline 3 – Waikato Model External Cordon

	Forward		Back	
Count	5573		5286	
Volume	5679		5374	
Change	106		88	
%	102		102	
Correlation Coefficient	0.962		0.979	

%RMS	31.62		27.54	
GEH	1.0		0.9	
GEH Total	1.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85	95	100	100

Screenline 4 – Rest of Hamilton

	Forward		Back	
Count	3578		4148	
Volume	3349		3935	
Change	-229		-213	
%	94		95	
Correlation Coefficient	0.993		0.986	
%RMS	10.97		13.63	
GEH	2.8		2.4	
GEH Total	3.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 5 – North

	Forward		Back	
Count	3669		3915	
Volume	3783		4105	
Change	114		190	
%	103		105	
Correlation Coefficient	0.978		0.965	
%RMS	19.43		25.66	
GEH	1.3		2.1	
GEH Total	2.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90.9	100	100	100

Screenline 6 – Tauranga

	Forward		Back	
Count	3731		3719	
Volume	3513		3795	
Change	-218		76	
%	94		102	
Correlation Coefficient	0.975		0.994	
%RMS	18.32		8.22	

GEH	2.6		0.9	
GEH Total	1.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 7 – South

	Forward		Back	
Count	3830		4002	
Volume	3466		3830	
Change	-364		-172	
%	90		96	
Correlation Coefficient	0.987		0.994	
%RMS	18.13		21.31	
GEH	4.3		1.9	
GEH Total	4.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85.7	100	100	100

Screenline 8 – Eastern Waikato Rural

	Forward		Back	
Count	6790		7030	
Volume	7049		6662	
Change	259		-368	
%	104		95	
Correlation Coefficient	0.868		0.914	
%RMS	32.84		29.51	
GEH	2.2		3.1	
GEH Total	0.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	82.5	95	100	100

Screenline 9 – Railway

	Forward		Back	
Count	9205		6537	
Volume	8477		6419	
Change	-728		-118	
%	92		98	
Correlation Coefficient	0.925		0.868	
%RMS	26.93		42.42	
GEH	5.5		1.0	

GEH Total	4.8			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	56.2	62.5	81.2	87.5

Screenline 10 – Hamilton River Bridges

	Forward		Back	
Count	5207		8547	
Volume	4788		8109	
Change	-419		-438	
%	92		95	
Correlation Coefficient	0.985		0.945	
%RMS	12.42		14.40	
GEH	4.2		3.4	
GEH Total	5.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	87.5	100	100

Screenline 11 – East

	Forward		Back	
Count	1712		2330	
Volume	1518		2131	
Change	-194		-199	
%	89		91	
Correlation Coefficient	0.999		0.987	
%RMS	17.71		15.76	
GEH	3.4		3.0	
GEH Total	4.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 12 – North HCC

	Forward		Back	
Count	3749		6514	
Volume	3208		5799	
Change	-541		-715	
%	86		89	
Correlation Coefficient	0.929		0.961	
%RMS	33.41		25.74	
GEH	6.5		6.5	
GEH Total	9.0			

GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	81.2	87.5	100	100

Screenline 13 – South HCC

	Forward		Back	
Count	8302		5200	
Volume	7899		4593	
Change	-403		-607	
%	95		88	
Correlation Coefficient	0.979		0.959	
%RMS	14.73		20.79	
GEH	3.2		6.1	
GEH Total	6.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	100	100	100

Screenline 14 – Cambridge Counts

	Forward		Back	
Count	2014		2016	
Volume	1885		1862	
Change	-129		-154	
%	94		92	
Correlation Coefficient	1.000		0.976	
%RMS	8.34		17.96	
GEH	2.1		2.5	
GEH Total	3.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 15 – Te Awamutu Counts

	Forward		Back	
Count	3474		2261	
Volume	3360		2066	
Change	-114		-195	
%	97		91	
Correlation Coefficient	0.990		0.927	
%RMS	8.85		20.21	
GEH	1.4		2.9	
GEH Total	2.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	87.5	100	100	100
Screenline 16 – Bombay Hills				
	Forward		Back	
Count	3871		3973	
Volume	3800		3653	
Change	-71		-320	
%	98		92	
Correlation Coefficient	1.000		0.998	
%RMS	3.1		12	
GEH	0.8		3.7	
GEH Total	3.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 17 – Crossing btw Waikato and BOP				
	Forward		Back	
Count	2457		1971	
Volume	2492		1937	
Change	35		-34	
%	101		98	
Correlation Coefficient	0.825		0.900	
%RMS	25.96		30.07	
GEH	0.5		0.5	
GEH Total	0.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	100	100	100

Screenline 18 – North Waikato Lateral				
	Forward		Back	
Count	1366		1521	
Volume	1100		1274	
Change	-266		-247	
%	81		84	
Correlation Coefficient	0.992		0.988	
%RMS	48.62		43.70	
GEH	5.4		4.7	
GEH Total	7.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 19 – Coromandel Peninsula

	Forward		Back	
Count	342		482	
Volume	417		500	
Change	75		18	
%	122		104	
Correlation Coefficient	-1.000		1.000	
%RMS	47.50		13.41	
GEH	2.7		0.6	
GEH Total	2.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 20 – Southern Links

	Forward		Back	
Count	4139		2415	
Volume	3899		2297	
Change	-240		-118	
%	94		95	
Correlation Coefficient	0.997		0.998	
%RMS	17.35		17.47	
GEH	2.7		1.7	
GEH Total	3.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Table 12a: Morning Peak Network Screenline Validation – All Vehicles

Screenline 1 – Waikato River Bridges (Heavy Vehicles)

	Forward		Back	
Count	731		651	
Volume	815		678	
Change	84		27	
%	111		104	
Correlation Coefficient	0.841		0.851	
%RMS	46.05		53.44	
GEH	2.1		0.8	
GEH Total	2.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	100	100	100	100
Screenline 2 – Hamilton Model External Cordon (Heavy Vehicles)				
	Forward		Back	
Count	767		687	
Volume	957		931	
Change	190		244	
%	125		136	
Correlation Coefficient	0.983		0.956	
%RMS	36.08		56.05	
GEH	4.6		6.1	
GEH Total	7.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	92.9	100	100	100

Screenline 3 – Waikato Model External Cordon (Heavy Vehicles)				
	Forward		Back	
Count	1004		977	
Volume	1027		1011	
Change	23		34	
%	102		103	
Correlation Coefficient	0.966		0.975	
%RMS	32.02		28.54	
GEH	0.5		0.8	
GEH Total	0.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 4 – Rest of Hamilton (Heavy Vehicles)				
	Forward		Back	
Count	481		460	
Volume	490		503	
Change	9		43	
%	102		109	
Correlation Coefficient	0.993		0.933	
%RMS	30.19		41.11	
GEH	0.3		1.4	
GEH Total	1.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 5 – North (Heavy Vehicles)

	Forward		Back	
Count	675		614	
Volume	678		691	
Change	3		77	
%	100		113	
Correlation Coefficient	0.962		0.937	
%RMS	31.31		43.13	
GEH	0.1		2.1	
GEH Total	1.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 6 – Tauranga (Heavy Vehicles)

	Forward		Back	
Count	542		462	
Volume	520		496	
Change	-22		34	
%	96		107	
Correlation Coefficient	0.958		0.896	
%RMS	17.20		30.37	
GEH	0.7		1.1	
GEH Total	0.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 7 – South (Heavy Vehicles)

	Forward		Back	
Count	257		274	
Volume	228		229	
Change	-29		-45	
%	89		84	
Correlation Coefficient	0.651		0.918	
%RMS	40.81		40.92	
GEH	1.3		2.1	
GEH Total	3.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 8 – Eastern Waikato Rural (Heavy Vehicles)

	Forward		Back	
Count	1451		1346	
Volume	1322		1311	
Change	-129		-35	
%	91		97	
Correlation Coefficient	0.890		0.905	
%RMS	34.32		30.52	
GEH	2.4		0.7	
GEH Total	2.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 9 – Railway (Heavy Vehicles)

	Forward		Back	
Count	527		446	
Volume	324		308	
Change	-203		-138	
%	61		69	
Correlation Coefficient	0.969		0.908	
%RMS	53.94		62.99	
GEH	6.9		5.0	
GEH Total	8.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 10 – Hamilton River Bridges (Heavy Vehicles)

	Forward		Back	
Count	262		203	
Volume	173		167	
Change	-89		-36	
%	66		82	
Correlation Coefficient	1.000		1.000	
%RMS	60.79		41.80	
GEH	4.3		1.9	
GEH Total	4.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 11 – East (Heavy Vehicles)

	Forward		Back	
Count	94		111	
Volume	131		133	
Change	37		22	
%	139		120	
Correlation Coefficient	0.847		0.810	
%RMS	87.20		66.81	
GEH	2.4		1.4	
GEH Total	2.8			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 12 – North HCC (Heavy Vehicles)

	Forward		Back	
Count	366		329	
Volume	202		202	
Change	-164		-127	
%	55		61	
Correlation Coefficient	0.664		0.796	
%RMS	81.33		80.84	
GEH	6.9		5.5	
GEH Total	8.8			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	100	100	100

Screenline 13 – South HCC (Heavy Vehicles)

	Forward		Back	
Count	493		317	
Volume	325		344	
Change	-168		27	
%	66		109	
Correlation Coefficient	0.919		0.984	
%RMS	51.36		22.29	
GEH	5.9		1.1	
GEH Total	3.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	100	100	100

Screenline 14 – Cambridge Counts (Heavy Vehicles)

	Forward		Back	
Count	176		160	
Volume	185		202	
Change	9		42	
%	105		126	
Correlation Coefficient	0.998		0.997	
%RMS	23.77		60.96	
GEH	0.4		2.2	
GEH Total	1.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 15 – Te Awamutu Counts (Heavy Vehicles)

	Forward		Back	
Count	299		214	
Volume	207		211	
Change	-92		-3	
%	69		99	
Correlation Coefficient	0.870		0.870	
%RMS	44.89		38.92	
GEH	4.1		0.2	
GEH Total	3.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	100	100	100

Screenline 16 – Bombay Hills (Heavy Vehicles)

	Forward		Back	
Count	532		559	
Volume	637		628	
Change	105		69	
%	120		112	
Correlation Coefficient	0.962		0.981	
%RMS	44.65		26.84	
GEH	3.0		2.0	
GEH Total	3.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 17 – Crossing btw Waikato and BOP (Heavy Vehicles)

	Forward		Back	
Count	544		407	
Volume	481		455	
Change	-63		48	
%	88		112	
Correlation Coefficient	0.808		0.925	
%RMS	30.51		25.55	
GEH	2.0		1.6	
GEH Total	0.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 18 – North Waikato Lateral (Heavy Vehicles)

	Forward		Back	
Count	255		296	
Volume	288		283	
Change	33		-13	
%	133		96	
Correlation Coefficient	0.987		0.967	
%RMS	34.35		30.79	
GEH	1.5		0.6	
GEH Total	0.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

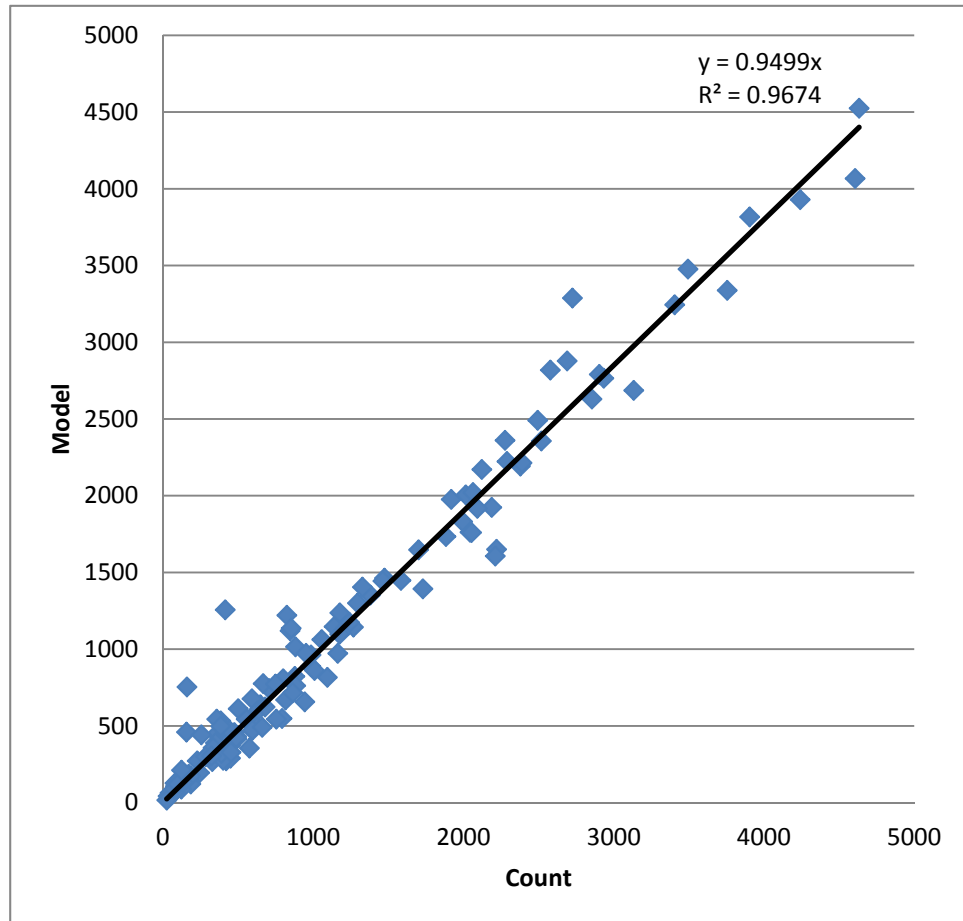
Screenline 19 – Coromandel Peninsula (Heavy Vehicles)

	Forward		Back	
Count	61		51	
Volume	34		36	
Change	-27		-15	
%	56		71	
Correlation Coefficient	-1.000		1.000	
%RMS	73.97		48.51	
GEH	2.7		1.5	
GEH Total	3.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 20 – Southern Links (Heavy Vehicles)

	Forward		Back	
Count	261		291	
Volume	277		293	
Change	16		2	
%	106		101	
Correlation Coefficient	0.940		0.971	
%RMS	43.49		37.33	
GEH	0.7		0.1	
GEH Total	0.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	77.8	100	100	100

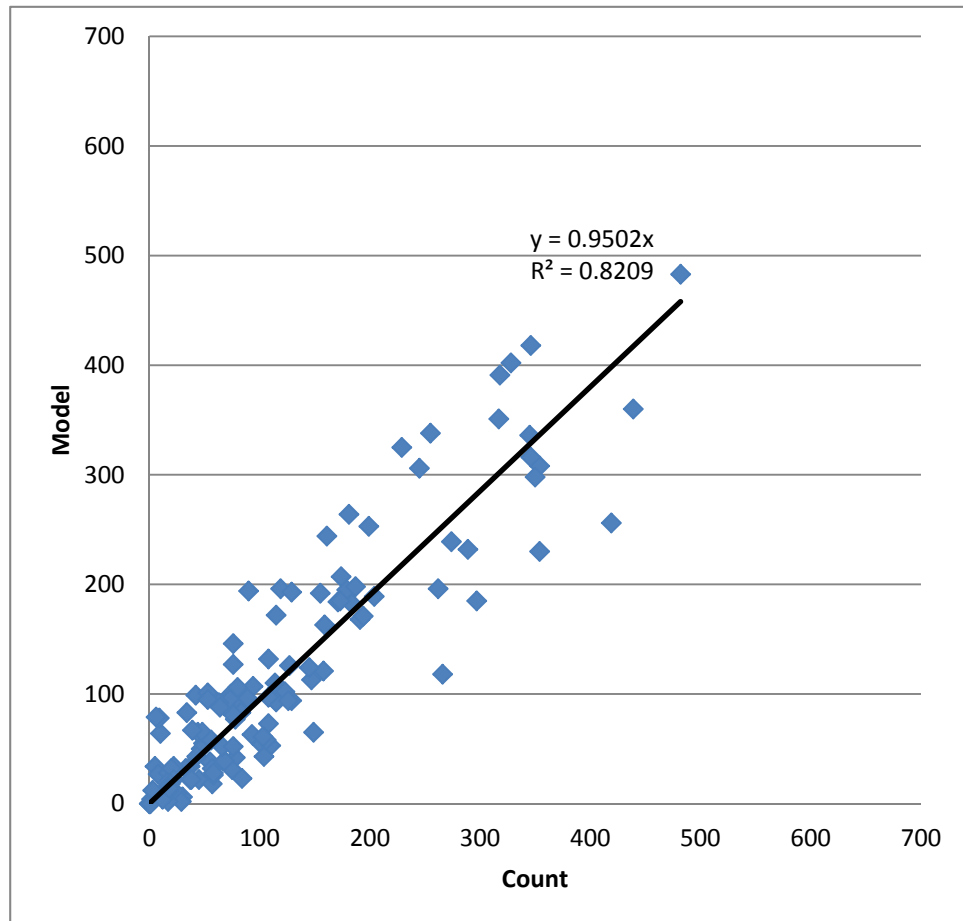
Table 12b: Morning Peak Network Screenline Validation – Heavy Vehicles



Morning Peak Screenline Scatterplot
- All Vehicles



9a



Morning Peak Screenline Scatterplot
- Heavy Vehicles



9b

5.3 Interpeak Validation

The assignment results for 2013 for the interpeak period are represented in the following tables in the form of modelled flows versus observed counts by screenline and by direction first for total vehicles and then for heavy vehicles only. Scatter plots of modelled versus observed are provided at the end of this section for total vehicles and for heavy vehicles only.

Screenline 1 – Waikato River Bridges

	Forward		Back	
Count	11244		10573	
Volume	11120		10344	
Change	-124		-229	
%	99		98	
Correlation Coefficient	0.992		0.988	
%RMS	9.94		11.32	
GEH	0.8		1.6	
GEH Total	1.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	95.8	100	100	100

Screenline 2 – Hamilton Model External Cordon

	Forward		Back	
Count	4956		5192	
Volume	4789		4792	
Change	-167		-400	
%	97		92	
Correlation Coefficient	0.937		0.959	
%RMS	40.21		37.30	
GEH	1.7		4.0	
GEH Total	4.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85.7	85.7	92.9	96.4

Screenline 3 – Waikato Model External Cordon

	Forward		Back	
Count	5118		5189	
Volume	5015		4950	
Change	-103		-239	
%	98		95	
Correlation Coefficient	0.969		0.971	

%RMS	28.39		27.40	
GEH	1.0		2.4	
GEH Total	2.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85	90	100	100

Screenline 4 – Rest of Hamilton

	Forward		Back	
Count	3223		3262	
Volume	3227		3098	
Change	4		-164	
%	100		95	
Correlation Coefficient	0.986		0.974	
%RMS	13.62		17.72	
GEH	0.0		2.1	
GEH Total	1.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	91.7	100	100	100

Screenline 5 – North

	Forward		Back	
Count	3937		4217	
Volume	3557		3809	
Change	-380		-408	
%	90		90	
Correlation Coefficient	0.965		0.996	
%RMS	37.20		13.58	
GEH	4.4		4.6	
GEH Total	6.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	86.4	100	100	100

Screenline 6 – Tauranga

	Forward		Back	
Count	2630		2676	
Volume	2934		2917	
Change	304		241	
%	112		109	
Correlation Coefficient	0.969		0.997	
%RMS	21.97		16.52	

GEH	4.1		3.2	
GEH Total	5.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	100	100	100

Screenline 7 – South

	Forward		Back	
Count	3834		4131	
Volume	3751		3729	
Change	-83		-402	
%	98		90	
Correlation Coefficient	0.980		0.985	
%RMS	18.34		18.16	
GEH	1.0		4.5	
GEH Total	3.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	78.6	85.7	100	100

Screenline 8 – Eastern Waikato Rural

	Forward		Back	
Count	6570		6457	
Volume	5913		5816	
Change	-657		-641	
%	90		90	
Correlation Coefficient	0.957		0.904	
%RMS	23.80		31.52	
GEH	5.9		5.8	
GEH Total	8.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85	100	100	100

Screenline 9 – Railway

	Forward		Back	
Count	6505		5436	
Volume	6701		7004	
Change	196		1568	
%	103		129	
Correlation Coefficient	0.956		0.794	
%RMS	21.32		65.19	
GEH	1.7		14.1	

GEH Total	11.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	56.2	75	81.2	87.5
Screenline 10 – Hamilton River Bridges				
	Forward		Back	
Count	6180		5811	
Volume	6101		5928	
Change	-79		117	
%	99		102	
Correlation Coefficient	0.990		0.988	
%RMS	7.15		6.36	
GEH	0.7		1.1	
GEH Total	0.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100
Screenline 11 – East				
	Forward		Back	
Count	1161		1236	
Volume	1548		1569	
Change	387		333	
%	133		127	
Correlation Coefficient	0.972		0.994	
%RMS	40.04		30.96	
GEH	7.5		6.3	
GEH Total	9.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	100	100	100
Screenline 12 – North HCC				
	Forward		Back	
Count	3938		3543	
Volume	4471		3495	
Change	533		-48	
%	114		99	
Correlation Coefficient	0.992		0.940	
%RMS	27.12		34.93	
GEH	5.8		0.6	
GEH Total	3.9			

GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	81.2	93.8	100	100

Screenline 13 – South HCC

	Forward		Back	
Count	5336		5163	
Volume	5901		5982	
Change	565		819	
%	111		116	
Correlation Coefficient	0.989		0.868	
%RMS	15.92		39.70	
GEH	5.3		7.8	
GEH Total	9.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	90	90	90

Screenline 14 – Cambridge Counts

	Forward		Back	
Count	1707		1841	
Volume	1672		1656	
Change	-35		-185	
%	98		90	
Correlation Coefficient	0.996		0.995	
%RMS	13.89		17.95	
GEH	0.6		3.1	
GEH Total	2.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	66.7	100	100	100

Screenline 15 – Te Awamutu Counts

	Forward		Back	
Count	2619		2764	
Volume	2576		2665	
Change	-43		-99	
%	98		96	
Correlation Coefficient	0.987		0.986	
%RMS	8.45		11.63	
GEH	0.6		1.4	
GEH Total	1.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	87.5	100	100	100
Screenline 16 – Bombay Hills				
	Forward		Back	
Count	4106		4001	
Volume	4130		3923	
Change	24		-78	
%	101		98	
Correlation Coefficient	0.975		0.989	
%RMS	18.56		10.08	
GEH	0.3		0.9	
GEH Total	0.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	83.3	83.3	100	100

Screenline 17 – Crossing btw Waikato and BOP				
	Forward		Back	
Count	1975		2067	
Volume	1770		1899	
Change	-205		-168	
%	90		92	
Correlation Coefficient	0.912		0.961	
%RMS	17.41		13.30	
GEH	3.3		2.7	
GEH Total	4.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 18 – North Waikato Lateral				
	Forward		Back	
Count	1361		1325	
Volume	1226		1111	
Change	-135		-214	
%	90		84	
Correlation Coefficient	0.991		0.989	
%RMS	20.54		34.52	
GEH	2.3		4.3	
GEH Total	4.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	100	100	100

Screenline 19 – Coromandel Peninsula

	Forward		Back	
Count	457		537	
Volume	346		458	
Change	-111		-79	
%	76		85	
Correlation Coefficient	1.000		1.000	
%RMS	40.12		24.48	
GEH	3.9		2.5	
GEH Total	4.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 20 – Southern Links

	Forward		Back	
Count	2828		2734	
Volume	2932		2953	
Change	104		219	
%	104		108	
Correlation Coefficient	1.000		0.999	
%RMS	4.76		12.78	
GEH	1.4		2.9	
GEH Total	3.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Table 13a: Inter Peak Network Screenline Validation – All Vehicles

Screenline 1 – Waikato River Bridges (Heavy Vehicles)

	Forward		Back	
Count	722		659	
Volume	698		716	
Change	-24		57	
%	97		109	
Correlation Coefficient	0.694		0.784	
%RMS	71.58		66.50	
GEH	0.6		1.6	
GEH Total	0.6			

GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	100	100	100

Screenline 2 – Hamilton Model External Cordon (Heavy Vehicles)

	Forward		Back	
Count	792		749	
Volume	774		774	
Change	-18		25	
%	98		103	
Correlation Coefficient	0.959		0.940	
%RMS	37.68		48.10	
GEH	0.5		0.7	
GEH Total	0.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	96.4	100	100	100

Screenline 3 – Waikato Model External Cordon (Heavy Vehicles)

	Forward		Back	
Count	1170		1067	
Volume	971		985	
Change	-199		-82	
%	83		92	
Correlation Coefficient	0.938		0.951	
%RMS	42.06		37.57	
GEH	4.3		1.8	
GEH Total	4.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	97.5	100	100	100

Screenline 4 – Rest of Hamilton (Heavy Vehicles)

	Forward		Back	
Count	396		396	
Volume	492		491	
Change	96		95	
%	124		124	
Correlation Coefficient	0.996		0.997	
%RMS	37.78		37.01	
GEH	3.2		3.2	
GEH Total	4.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	100	100	100	100
Screenline 5 – North (Heavy Vehicles)				
	Forward		Back	
Count	682		708	
Volume	758		762	
Change	76		54	
%	111		108	
Correlation Coefficient	0.865		0.894	
%RMS	73.82		69.20	
GEH	2.0		1.4	
GEH Total	2.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90.9	100	100	100
Screenline 6 – Tauranga (Heavy Vehicles)				
	Forward		Back	
Count	526		512	
Volume	436		448	
Change	-90		-64	
%	83		88	
Correlation Coefficient	0.977		0.969	
%RMS	23.65		22.51	
GEH	2.9		2.1	
GEH Total	3.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100
Screenline 7 – South (Heavy Vehicles)				
	Forward		Back	
Count	307		315	
Volume	264		272	
Change	-43		-43	
%	86		86	
Correlation Coefficient	0.805		0.911	
%RMS	35.94		26.09	
GEH	1.8		1.7	
GEH Total	2.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 8 – Eastern Waikato Rural (Heavy Vehicles)

	Forward		Back	
Count	1578		1474	
Volume	1217		1229	
Change	-361		-245	
%	77		83	
Correlation Coefficient	0.875		0.846	
%RMS	43.39		41.75	
GEH	6.8		4.7	
GEH Total	8.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	95	100	100	100

Screenline 9 – Railway (Heavy Vehicles)

	Forward		Back	
Count	428		335	
Volume	415		400	
Change	-13		65	
%	97		119	
Correlation Coefficient	0.961		0.936	
%RMS	24.58		51.88	
GEH	0.5		2.4	
GEH Total	1.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 10 – Hamilton River Bridges (Heavy Vehicles)

	Forward		Back	
Count	312		264	
Volume	172		190	
Change	-140		-74	
%	55		72	
Correlation Coefficient	1.000		1.000	
%RMS	81.84		77.35	
GEH	6.4		3.5	
GEH Total	6.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	50	100	100	100

Screenline 11 – East (Heavy Vehicles)

	Forward		Back	
Count	66		67	
Volume	134		136	
Change	68		69	
%	203		203	
Correlation Coefficient	0.877		0.925	
%RMS	164.50		158.97	
GEH	4.8		4.9	
GEH Total	6.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 12 – North HCC (Heavy Vehicles)

	Forward		Back	
Count	197		171	
Volume	225		204	
Change	28		33	
%	114		119	
Correlation Coefficient	0.364		0.432	
%RMS	96.29		104.81	
GEH	1.4		1.8	
GEH Total	2.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 13 – South HCC (Heavy Vehicles)

	Forward		Back	
Count	453		466	
Volume	357		356	
Change	-96		-110	
%	79		76	
Correlation Coefficient	0.856		0.832	
%RMS	43.12		50.82	
GEH	3.4		3.8	
GEH Total	5.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	100	100	100

Screenline 14 – Cambridge Counts (Heavy Vehicles)

	Forward		Back	
Count	134		145	
Volume	175		180	
Change	41		35	
%	131		124	
Correlation Coefficient	1.000		1.000	
%RMS	40.70		33.65	
GEH	2.3		2.0	
GEH Total	3.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 15 – Te Awamutu Counts (Heavy Vehicles)

	Forward		Back	
Count	236		256	
Volume	220		219	
Change	-16		-37	
%	93		86	
Correlation Coefficient	0.646		0.613	
%RMS	56.92		62.45	
GEH	0.7		1.7	
GEH Total	1.8			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 16 – Bombay Hills (Heavy Vehicles)

	Forward		Back	
Count	579		591	
Volume	795		812	
Change	216		221	
%	137		137	
Correlation Coefficient	0.598		0.594	
%RMS	73.97		74.92	
GEH	5.8		5.9	
GEH Total	8.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	50	100	100	100

Screenline 17 – Crossing btw Waikato and BOP (Heavy Vehicles)

	Forward		Back	
Count	482		486	
Volume	411		412	
Change	-71		-74	
%	85		85	
Correlation Coefficient	0.845		0.871	
%RMS	25.12		27.81	
GEH	2.4		2.5	
GEH Total	3.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 18 – North Waikato Lateral (Heavy Vehicles)

	Forward		Back	
Count	328		308	
Volume	315		319	
Change	-13		11	
%	96		104	
Correlation Coefficient	0.992		0.977	
%RMS	21.76		44.54	
GEH	0.6		0.4	
GEH Total	0.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

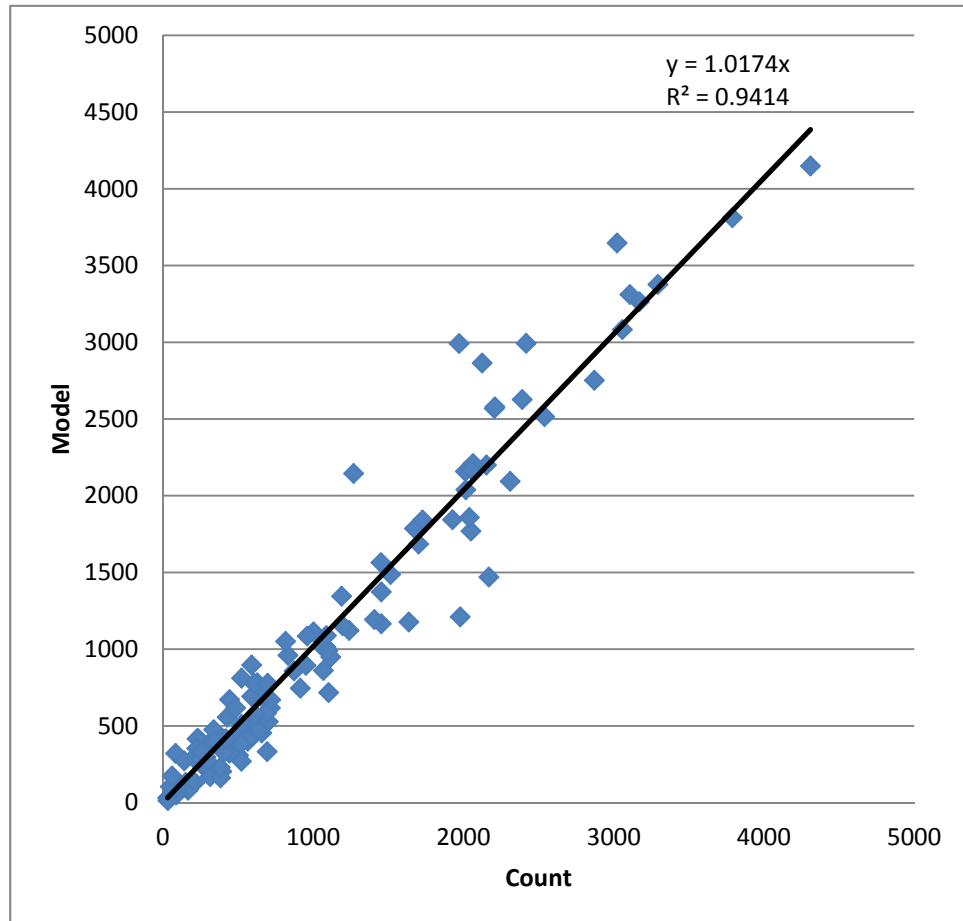
Screenline 19 – Coromandel Peninsula (Heavy Vehicles)

	Forward		Back	
Count	68		80	
Volume	28		28	
Change	-40		-52	
%	41		35	
Correlation Coefficient	0.000		0.000	
%RMS	0.000		0.000	
GEH	4.1		5.0	
GEH Total	6.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 20 – Southern Links (Heavy Vehicles)

	Forward		Back	
Count	341		296	
Volume	292		289	
Change	-49		-7	
%	86		98	
Correlation Coefficient	0.943		0.920	
%RMS	62.55		61.92	
GEH	1.9		0.3	
GEH Total	1.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	77.8	100	100	100

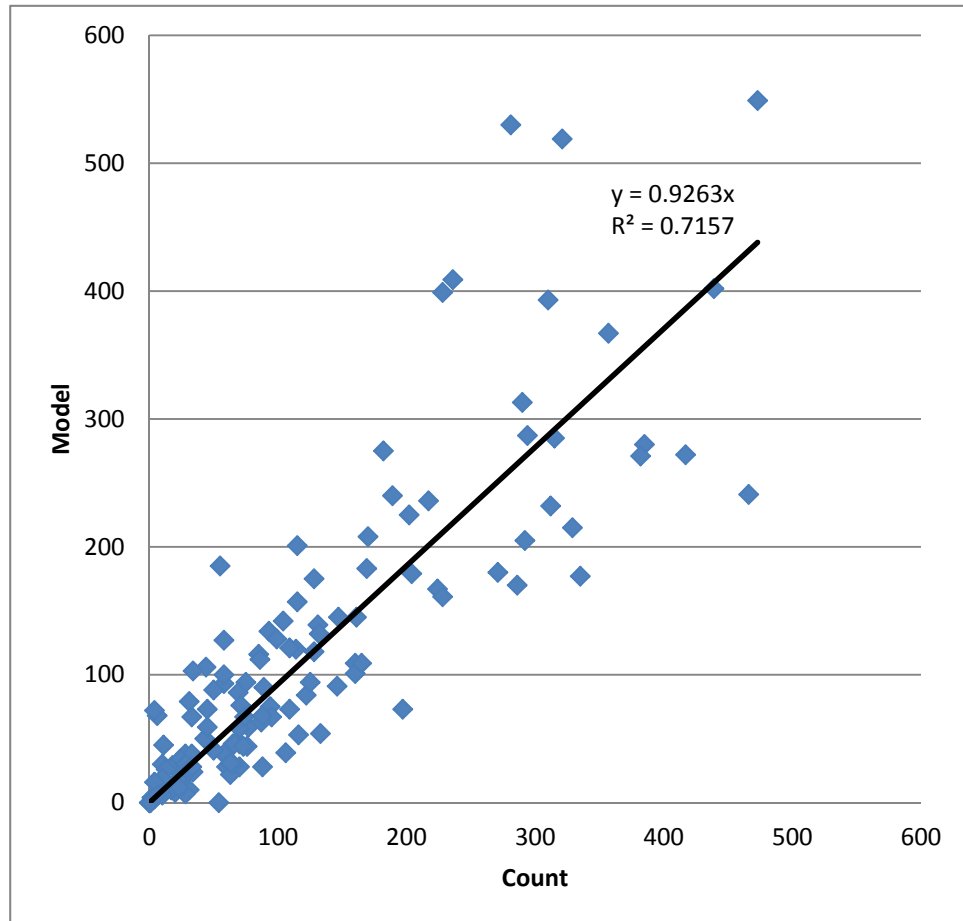
Table 13b: Inter Peak Network Screenline Validation – Heavy Vehicles



Interpeak Screenline Scatterplot
- All Vehicles



10a



Interpeak Screenline Scatterplot
- Heavy Vehicles



10b

5.4 Evening Peak Validation

The assignment results for 2013 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 first for total vehicles and then for heavy vehicles only. Scatter plots of modelled verses observed are provided at the end of this section for total vehicles and for heavy vehicles only.

Screenline 1 – Waikato River Bridges

	Forward		Back	
Count	15424		11382	
Volume	15713		10087	
Change	289		-1295	
%	102		89	
Correlation Coefficient	0.966		0.993	
%RMS	20.48		14.82	
GEH	1.6		8.8	
GEH Total	4.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	91.7	95.8	95.8	100

Screenline 2 – Hamilton Model External Cordon

	Forward		Back	
Count	6812		7200	
Volume	6734		7019	
Change	-78		-181	
%	99		97	
Correlation Coefficient	0.940		0.983	
%RMS	43.12		22.47	
GEH	0.7		1.5	
GEH Total	1.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	82.1	92.9	96.4	96.4

Screenline 3 – Waikato Model External Cordon

	Forward		Back	
Count	7157		6513	
Volume	7195		6492	
Change	38		-21	
%	101		100	
Correlation Coefficient	0.973		0.971	

%RMS	34.86		26.89	
GEH	0.3		0.2	
GEH Total	0.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	92.5	100	100

Screenline 4 – Rest of Hamilton

	Forward		Back	
Count	4508		4205	
Volume	4516		3968	
Change	8		-237	
%	100		94	
Correlation Coefficient	0.956		0.948	
%RMS	33.31		25.49	
GEH	0.1		2.6	
GEH Total	1.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	66.7	91.7	100	100

Screenline 5 – North

	Forward		Back	
Count	4895		4938	
Volume	4642		5180	
Change	-253		242	
%	95		105	
Correlation Coefficient	0.982		0.984	
%RMS	22.45		19.43	
GEH	2.6		2.4	
GEH Total	0.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90.9	95.5	100	100

Screenline 6 – Tauranga

	Forward		Back	
Count	3873		3792	
Volume	3830		3816	
Change	-43		24	
%	99		101	
Correlation Coefficient	0.926		0.986	
%RMS	29.09		11.17	

GEH	0.5		0.3	
GEH Total	0.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 7 – South

	Forward		Back	
Count	4707		4804	
Volume	4109		4375	
Change	-598		-429	
%	87		91	
Correlation Coefficient	0.982		0.990	
%RMS	25.97		14.12	
GEH	6.4		4.5	
GEH Total	7.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	71.4	92.9	100	100

Screenline 8 – Eastern Waikato Rural

	Forward		Back	
Count	8240		7611	
Volume	8383		8262	
Change	143		651	
%	102		109	
Correlation Coefficient	0.967		0.940	
%RMS	23.98		26.57	
GEH	1.1		5.2	
GEH Total	4.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	97.5	100	100

Screenline 9 – Railway

	Forward		Back	
Count	8013		7324	
Volume	7871		10377	
Change	-142		3053	
%	98		142	
Correlation Coefficient	0.896		0.708	
%RMS	34.09		69.17	
GEH	1.1		22.9	

GEH Total	15.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	37.5	62.5	75	75

Screenline 10 – Hamilton River Bridges

	Forward		Back	
Count	8590		5769	
Volume	8839		4969	
Change	249		-800	
%	103		86	
Correlation Coefficient	0.907		1.000	
%RMS	14.25		16.11	
GEH	1.9		7.7	
GEH Total	3.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 11 – East

	Forward		Back	
Count	2315		1953	
Volume	2103		1959	
Change	-212		6	
%	91		100	
Correlation Coefficient	0.996		0.971	
%RMS	13.10		13.30	
GEH	3.2		0.1	
GEH Total	2.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 12 – North HCC

	Forward		Back	
Count	6885		4611	
Volume	5868		4051	
Change	-1017		-560	
%	85		88	
Correlation Coefficient	0.962		0.943	
%RMS	28.46		27.13	
GEH	9.0		6.0	
GEH Total	10.8			

GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	81.2	93.8	93.8	100

Screenline 13 – South HCC

	Forward		Back	
Count	6244		9269	
Volume	5522		8457	
Change	-722		-812	
%	88		91	
Correlation Coefficient	0.985		0.955	
%RMS	18.36		21.51	
GEH	6.7		6.1	
GEH Total	8.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	80	90	100	100

Screenline 14 – Cambridge Counts

	Forward		Back	
Count	2139		2654	
Volume	1858		1992	
Change	-281		-662	
%	87		75	
Correlation Coefficient	0.977		0.996	
%RMS	22.95		32.57	
GEH	4.4		9.7	
GEH Total	10.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	50	83.3	100	100

Screenline 15 – Te Awamutu Counts

	Forward		Back	
Count	2807		3825	
Volume	2930		3627	
Change	123		-198	
%	104		95	
Correlation Coefficient	0.992		1.000	
%RMS	9.05		5.99	
GEH	1.6		2.3	
GEH Total	0.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	100	100	100	100
Screenline 16 – Bombay Hills				
	Forward		Back	
Count	5014		5325	
Volume	5000		5531	
Change	-14		206	
%	100		104	
Correlation Coefficient	0.995		0.994	
%RMS	6.56		10.48	
GEH	0.1		2.0	
GEH Total	1.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100
Screenline 17 – Crossing btw Waikato and BOP				
	Forward		Back	
Count	2546		2761	
Volume	2361		2583	
Change	-185		-178	
%	93		94	
Correlation Coefficient	0.962		0.993	
%RMS	19.08		16.59	
GEH	2.7		2.4	
GEH Total	3.6			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	100	100	100
Screenline 18 – North Waikato Lateral				
	Forward		Back	
Count	1768		1613	
Volume	1994		1572	
Change	226		-41	
%	113		97	
Correlation Coefficient	0.996		0.997	
%RMS	26.82		18.19	
GEH	3.7		0.7	
GEH Total	2.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 19 – Coromandel Peninsula				
	Forward			Back
Count	559			437
Volume	474			424
Change	-85			-13
%	85			97
Correlation Coefficient	1.000			-1.000
%RMS	32.63			8.55
GEH	2.6			0.4
GEH Total	2.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 20 – Southern Links				
	Forward			Back
Count	3025			4035
Volume	2964			4056
Change	-61			21
%	98			101
Correlation Coefficient	1.000			0.999
%RMS	4.14			6.43
GEH	0.8			0.2
GEH Total	0.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	100	100	100

Table 14a: Evening Peak Network Screenline Validation – All Vehicles

Screenline 1 – Waikato River Bridges (Heavy Vehicles)				
	Forward			Back
Count	699			561
Volume	560			525
Change	-139			-36
%	80			94
Correlation Coefficient	0.785			0.918
%RMS	56.54			44.88
GEH	3.9			1.1
GEH Total	3.6			

GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	90	100	100	100

Screenline 2 – Hamilton Model External Cordon (Heavy Vehicles)

	Forward		Back	
Count	663		701	
Volume	646		590	
Change	-17		-111	
%	97		84	
Correlation Coefficient	0.966		0.962	
%RMS	41.40		45.36	
GEH	0.4		3.1	
GEH Total	2.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 3 – Waikato Model External Cordon (Heavy Vehicles)

	Forward		Back	
Count	996		937	
Volume	808		798	
Change	-188		-139	
%	81		85	
Correlation Coefficient	0.926		0.977	
%RMS	51.87		29.73	
GEH	4.4		3.3	
GEH Total	5.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 4 – Rest of Hamilton (Heavy Vehicles)

	Forward		Back	
Count	470		404	
Volume	441		392	
Change	-29		-12	
%	94		97	
Correlation Coefficient	0.937		0.659	
%RMS	37.81		63.43	
GEH	1.0		0.4	
GEH Total	1.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12

% in GEH Group	83.3	100	100	100
Screenline 5 – North (Heavy Vehicles)				
	Forward		Back	
Count	653		718	
Volume	803		786	
Change	150		68	
%	123		109	
Correlation Coefficient	0.955		0.945	
%RMS	58.49		35.19	
GEH	3.9		1.8	
GEH Total	4.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100
Screenline 6 – Tauranga (Heavy Vehicles)				
	Forward		Back	
Count	427		427	
Volume	331		341	
Change	-96		-86	
%	78		80	
Correlation Coefficient	0.850		0.983	
%RMS	39.49		25.52	
GEH	3.5		3.1	
GEH Total	4.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100
Screenline 7 – South (Heavy Vehicles)				
	Forward		Back	
Count	308		320	
Volume	179		190	
Change	-129		-130	
%	58		59	
Correlation Coefficient	0.758		0.531	
%RMS	68.94		56.76	
GEH	5.9		5.8	
GEH Total	8.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	85.7	100	100	100

Screenline 8 – Eastern Waikato Rural (Heavy Vehicles)

	Forward		Back	
Count	1324		1178	
Volume	1044		970	
Change	-280		-208	
%	79		82	
Correlation Coefficient	0.795		0.914	
%RMS	57.01		33.99	
GEH	5.8		4.5	
GEH Total	7.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	95	100	100	100

Screenline 9 – Railway (Heavy Vehicles)

	Forward		Back	
Count	436		318	
Volume	261		282	
Change	-175		-36	
%	60		89	
Correlation Coefficient	0.908		0.942	
%RMS	95.25		35.24	
GEH	6.7		1.5	
GEH Total	5.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	92.9	92.9	100	100

Screenline 10 – Hamilton River Bridges (Heavy Vehicles)

	Forward		Back	
Count	232		178	
Volume	120		130	
Change	-112		-48	
%	52		73	
Correlation Coefficient	1.000		1.000	
%RMS	68.8		75.49	
GEH	6.0		2.7	
GEH Total	6.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	75	100	100	100

Screenline 11 – East (Heavy Vehicles)

	Forward		Back	
Count	77		84	
Volume	89		89	
Change	12		5	
%	116		106	
Correlation Coefficient	0.561		0.881	
%RMS	90.79		43.23	
GEH	0.9		0.3	
GEH Total	1.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 12 – North HCC (Heavy Vehicles)

	Forward		Back	
Count	192		171	
Volume	186		165	
Change	-6		-6	
%	97		96	
Correlation Coefficient	0.231		0.728	
%RMS	104.61		56.91	
GEH	0.3		0.3	
GEH Total	0.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	93.8	100	100	100

Screenline 13 – South HCC (Heavy Vehicles)

	Forward		Back	
Count	372		517	
Volume	257		247	
Change	-115		-270	
%	69		48	
Correlation Coefficient	0.920		0.919	
%RMS	53.68		81.15	
GEH	4.6		9.8	
GEH Total	10.3			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	70	100	100	100

Screenline 14 – Cambridge Counts (Heavy Vehicles)

	Forward		Back	
Count	144		177	
Volume	155		138	
Change	11		-39	
%	108		78	
Correlation Coefficient	0.854		0.868	
%RMS	57.04		75.16	
GEH	0.6		2.1	
GEH Total	1.1			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 15 – Te Awamutu Counts (Heavy Vehicles)

	Forward		Back	
Count	206		297	
Volume	160		157	
Change	-46		-140	
%	78		53	
Correlation Coefficient	0.930		0.907	
%RMS	33.52		64.28	
GEH	2.4		6.6	
GEH Total	6.5			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	87.5	100	100	100

Screenline 16 – Bombay Hills (Heavy Vehicles)

	Forward		Back	
Count	614		665	
Volume	855		690	
Change	241		25	
%	139		104	
Correlation Coefficient	0.959		1.000	
%RMS	68.53		10.95	
GEH	6.3		0.7	
GEH Total	5.0			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	83.3	100	100	100

Screenline 17 – Crossing btw Waikato and BOP (Heavy Vehicles)

	Forward		Back	
Count	414		416	
Volume	321		339	
Change	-93		-77	
%	78		81	
Correlation Coefficient	0.570		0.887	
%RMS	49.67		36.66	
GEH	3.5		2.8	
GEH Total	4.4			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 18 – North Waikato Lateral (Heavy Vehicles)

	Forward		Back	
Count	266		276	
Volume	330		271	
Change	64		-5	
%	124		98	
Correlation Coefficient	0.972		0.990	
%RMS	87.64		23.35	
GEH	2.3		0.3	
GEH Total	1.7			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

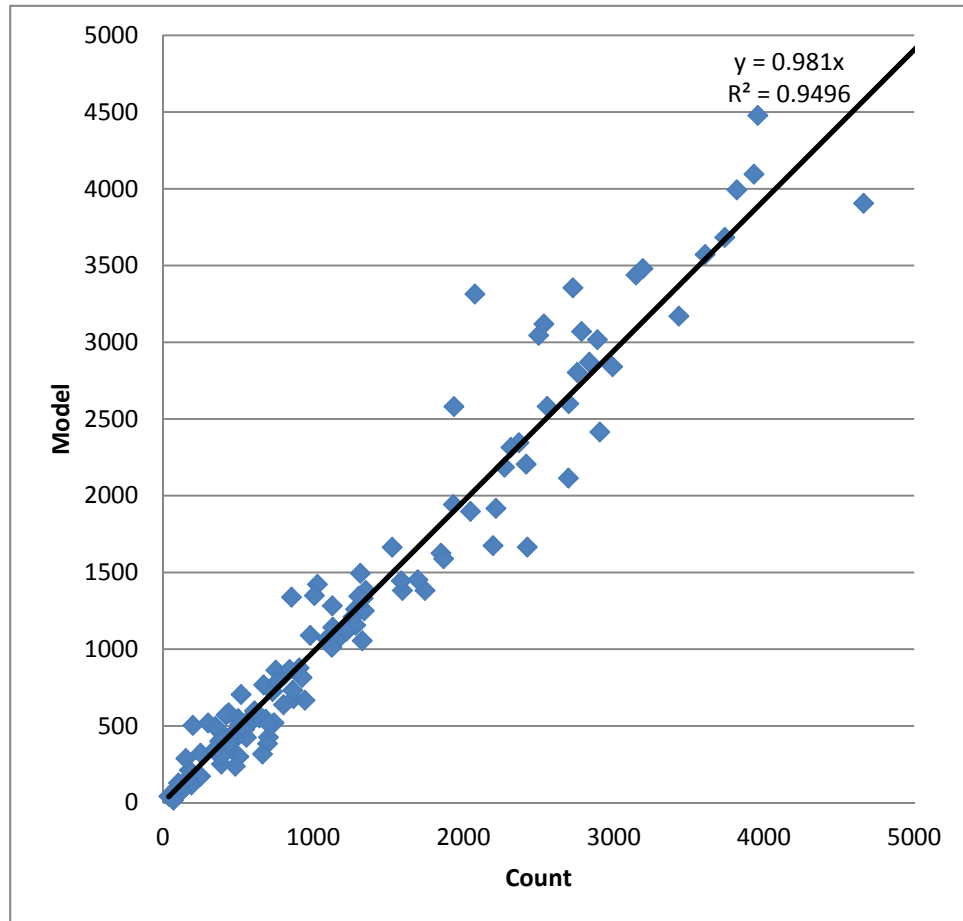
Screenline 19 – Coromandel Peninsula (Heavy Vehicles)

	Forward		Back	
Count	53		51	
Volume	22		23	
Change	-31		-28	
%	42		45	
Correlation Coefficient	0.000		1.000	
%RMS	0.000		79.41	
GEH	3.5		3.3	
GEH Total	4.9			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

Screenline 20 – Southern Links (Heavy Vehicles)

	Forward		Back	
Count	240		180	
Volume	211		204	
Change	-29		24	
%	898		113	
Correlation Coefficient	0.977		0.945	
%RMS	43.04		39.38	
GEH	1.4		1.2	
GEH Total	0.2			
GEH Link Grouping	< 5	< 7.5	< 10	< 12
% in GEH Group	100	100	100	100

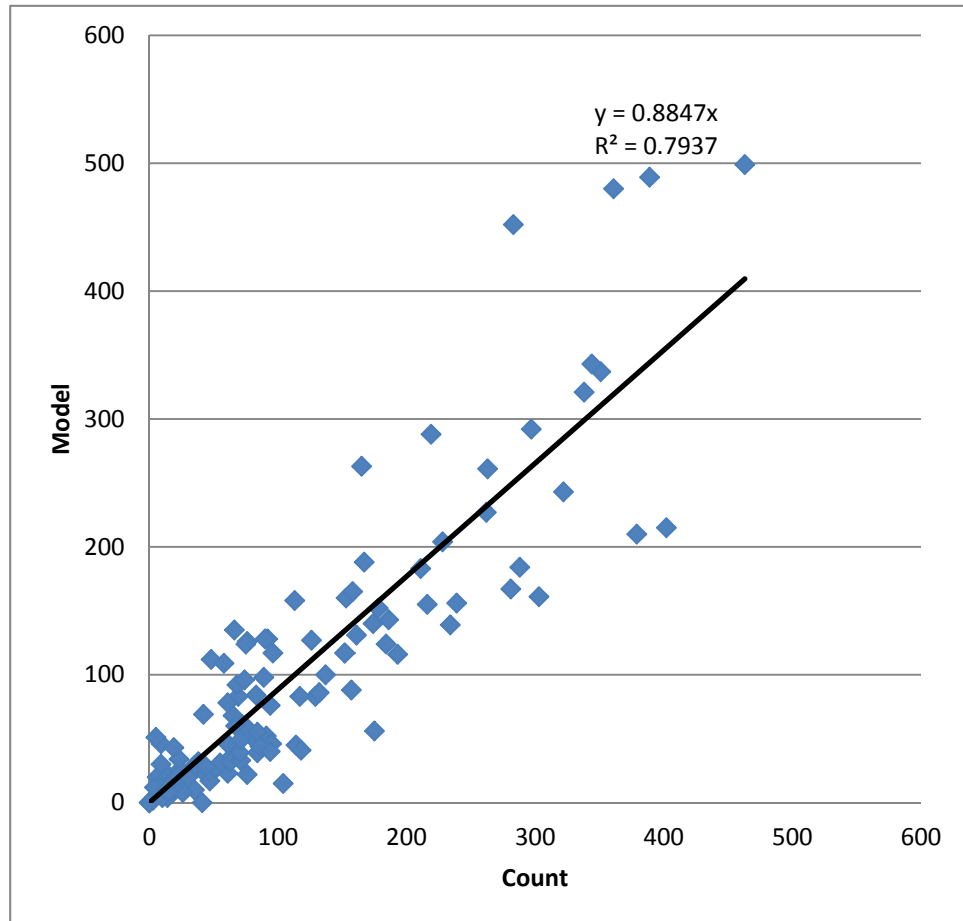
Table 14b: Evening Peak Network Screenline Validation – Heavy Vehicles



Evening Peak Screenline Scatterplot
- All Vehicles



11a



Evening Peak Screenline Scatterplot
- Heavy Vehicles



11b

6. Intersection Movement Validation

At present, no validation has been included at a turning movement level. The reason for this is that 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 option assessment. This is supported by the NZMUGS guidelines which note that turning movement validation is “not applicable” for a regional model (model type “A”). Local area validation for option assessment may need some turning movement validation, but that can be determined on a case by case basis.

7. HIS Sector-to-Sector Trip Comparison

In order to compare the resulting modelled mean trip patterns for 2013 against the observed 2008 HIS trip patterns an analysis of sector to sector trips has been undertaken. However there were no new household interview surveys conducted in 2013 so the 2008 survey data has been used to check that the 2013 modelled trip lengths remain broad similar to the data collected in 2008. This was carried out at a sector level, (as was the case in the 2006 model validation), due to the HIS results being 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 12** and the model and HIS data is summarised **Table 15**.

The level of correlation between the modelled and HIS results at sector level is expected to be greater than 0.95 for each period at a TLA level. The following plots in **Figure 12** 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.

Compared to 2006 outputs, the 2013 model outputs had an increase in some sector to sector trips and a decrease in others (usually where the HIS had no reported trips). This resulted in the overall level of correlation to the HIS being better for 2013 outputs compared with the 2006 outputs. This is also likely due to the increase in total trips which were slightly lower than the HIS in the 2006 model.

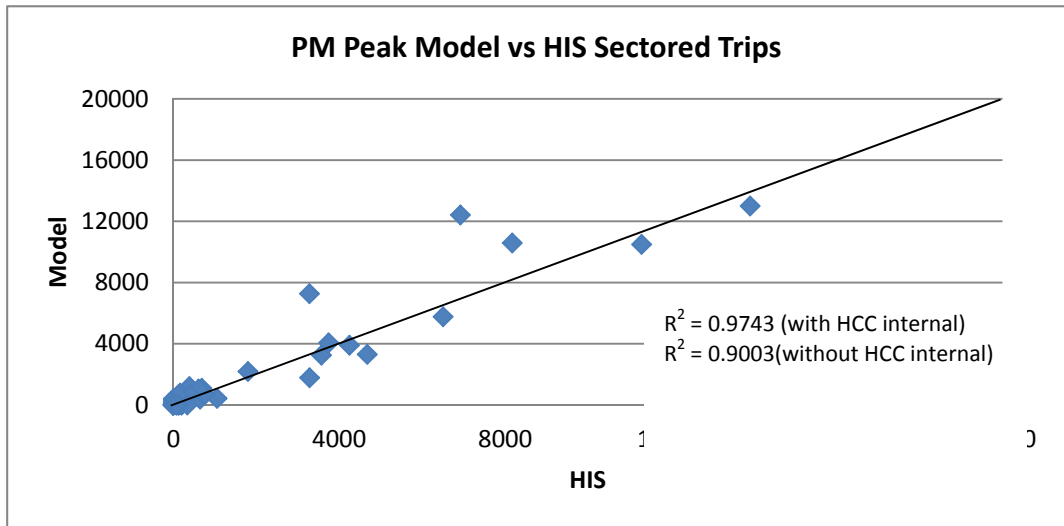
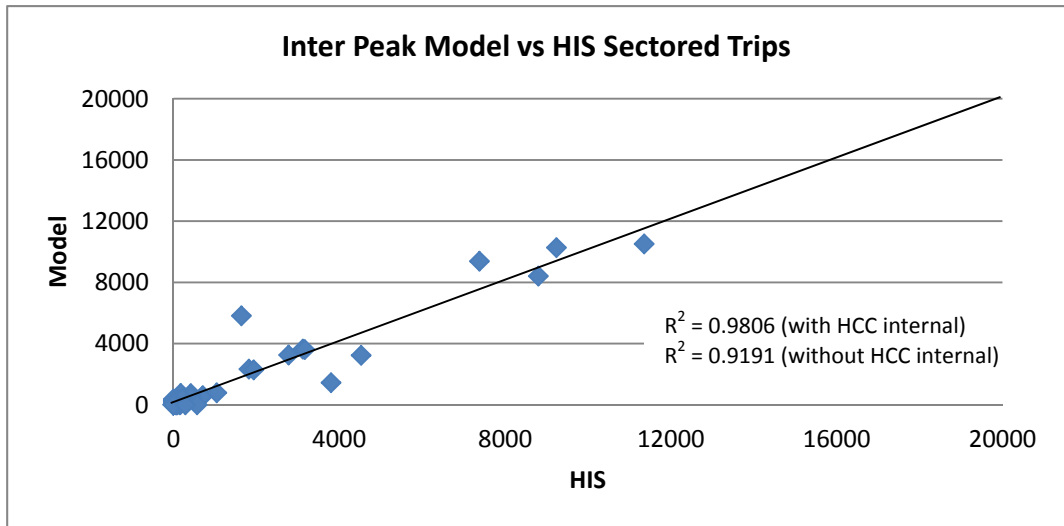
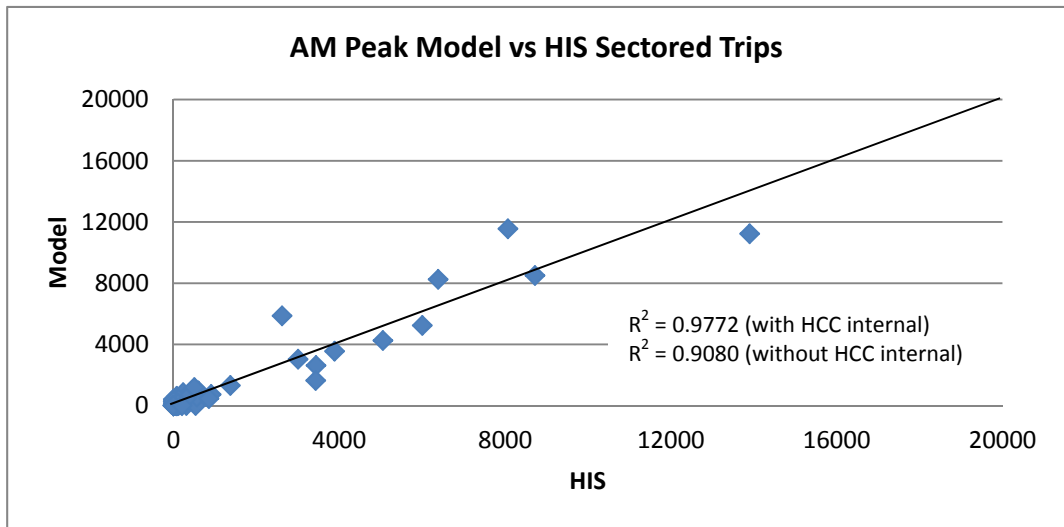
Whilst there is some difference reported between the model and HIS for internal sectored movements, modelled traffic volumes in urban areas are replicating counts and trip lengths and have also been validated successfully. This suggests that the residual internal trips implied in **Table 15** are likely to be negligible.

From TLA	To TLA	AM Peak		Interpeak		PM Peak	
		Model	HIS	Model	HIS	Model	HIS
Hamilton	Hamilton	41317	49030	38341	41081	49516	57502
Hamilton	Waipa	1322	1373	2335	1823	3249	3570
Hamilton	Waikato	2624	3439	3641	3123	5761	6506
Hamilton	Otorohanga	111	79	87	142	273	197
Hamilton	South Waikato	129	139	62	0	103	68
Hamilton	Thames-Coro	12	114	4	154	4	121
Hamilton	Hauraki	54	0	24	0	37	139
Hamilton	Matamata-Piako	960	603	740	175	1085	685
Hamilton	Taupo	3	0	1	81	1	0
Waipa	Hamilton	3033	3007	2285	1939	2187	1798
Waipa	Waipa	11236	13900	10510	11354	13002	13912
Waipa	Waikato	484	272	467	260	587	575
Waipa	Otorohanga	593	357	594	710	686	640
Waipa	South Waikato	423	0	203	239	222	0
Waipa	Thames-Coro	3	66	1	0	1	0
Waipa	Hauraki	12	0	6	0	8	0
Waipa	Matamata-Piako	602	78	349	127	426	1052
Waipa	Taupo	8	310	4	0	4	113
Waikato	Hamilton	5236	6005	3249	2781	3310	4677
Waikato	Waipa	578	417	476	383	491	194
Waikato	Waikato	4262	5054	3234	4528	3898	4248
Waikato	Otorohanga	22	0	17	167	22	0
Waikato	South Waikato	34	0	13	63	11	0
Waikato	Thames-Coro	26	0	8	0	8	0
Waikato	Hauraki	61	0	26	78	34	0
Waikato	Matamata-Piako	559	365	292	57	305	155
Waikato	Taupo	1	79	0	0	0	72
Otorohanga	Hamilton	201	129	102	0	105	338
Otorohanga	Waipa	732	910	525	689	758	731
Otorohanga	Waikato	26	0	18	0	28	0
Otorohanga	Otorohanga	1644	3431	1443	3802	1781	3286

From TLA	To TLA	AM Peak		Interpeak		PM Peak	
		Model	HIS	Model	HIS	Model	HIS
Otorohanga	South Waikato	347	490	366	393	375	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	119	61	71	63	69	155
South Waikato	Waipa	259	0	239	232	404	0
South Waikato	Waikato	21	0	13	0	25	0
South Waikato	Otorohanga	15	535	26	0	35	209
South Waikato	South Waikato	5870	2619	5814	1638	7272	3282
South Waikato	Thames-Coro	0	0	0	0	0	0
South Waikato	Hauraki	1	0	2	0	3	0
South Waikato	Matamata-Piako	280	0	270	0	340	0
South Waikato	Taupo	152	0	138	0	245	107
Thames-Coro	Hamilton	16	70	7	0	5	197
Thames-Coro	Waipa	3	0	1	0	2	0
Thames-Coro	Waikato	22	0	10	0	14	0
Thames-Coro	Otorohanga	0	0	0	0	0	0
Thames-Coro	South Waikato	0	0	0	93	0	0
Thames-Coro	Thames-Coro	8256	6385	9383	7383	10589	8172
Thames-Coro	Hauraki	562	565	729	420	1202	384
Thames-Coro	Matamata-Piako	72	0	56	0	76	0
Thames-Coro	Taupo	0	0	0	0	0	0
Hauraki	Hamilton	88	125	36	0	28	95
Hauraki	Waipa	15	0	8	0	9	0
Hauraki	Waikato	74	0	32	96	37	0
Hauraki	Otorohanga	0	0	0	0	0	0

From TLA	To TLA	AM Peak		Interpeak		PM Peak	
		Model	HIS	Model	HIS	Model	HIS
Hauraki	South Waikato	3	0	2	0	2	0
Hauraki	Thames-Coro	848	235	554	427	675	745
Hauraki	Hauraki	3556	3889	3613	3168	4057	3743
Hauraki	Matamata-Piako	652	307	451	226	495	216
Hauraki	Taupo	0	0	0	0	0	0
Matamata-Piako	Hamilton	1185	503	790	1044	1040	606
Matamata-Piako	Waipa	458	855	380	0	772	160
Matamata-Piako	Waikato	418	128	289	250	660	401
Matamata-Piako	Otorohanga	5	0	9	0	14	0
Matamata-Piako	South Waikato	280	0	257	0	344	0
Matamata-Piako	Thames-Coro	53	151	51	0	63	0
Matamata-Piako	Hauraki	462	313	408	217	646	120
Matamata-Piako	Matamata-Piako	8506	8723	8410	8802	10491	11294
Matamata-Piako	Taupo	1	101	2	570	2	333
Taupo	Hamilton	3	71	1	58	1	0
Taupo	Waipa	6	0	5	0	5	136
Taupo	Waikato	1	0	0	0	0	0
Taupo	Otorohanga	17	64	38	0	43	0
Taupo	South Waikato	147	118	240	0	151	0
Taupo	Thames-Coro	0	0	0	0	0	0
Taupo	Hauraki	0	0	0	0	0	0
Taupo	Matamata-Piako	1	207	2	290	2	74
Taupo	Taupo	10990	8068	10275	9241	12411	6924

Table 15: HIS versus Modelled Sector to Sector Trips by Period



Appendix A

Morning Peak Travel Time Validation Output Files

```
+-----+  
| TRACKS - 07-NOV-14 @ 1                                     Rata St, Christchur |  
+-----+
```

```
+-----+  
| 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 :    07-NOV-14                          | RACKS TR |  
| TRACKS T | Time run :    11:00:40                          | TRACKS T |  
| TRACKS   | Platform :   Win 95/NT                          | TRACKS   |  
| S TRACKS+-----+S TRACKS                                |  
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |  
+-----+  
|                                     TRACKS Licenced to   |  
|                                     at : Rata St, Christchur |  
+-----+  
|                                     Parameter version : V5.20 |  
+-----+
```

```
JURNEY Data File : JURNEY.DAT  
Loaded Network  : WL13B0AALLB0.NL  
                  27830 Links in
```

TRACKS - 07-NOV-14 @ 1
Rata St, Christchurch

Journey 1 Movement Analysis - times in seconds

HCC R1 - Morrinsville/Cambridge to Thomas/HorshamDown NB

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
3076 - 5706	6 0	198	55.0	0.0	13.0	0.0	0.0	0.0	13.0	0.0	13.0	0.0	CAMBRIDGE ROAD
5706 - 5202	6 3	118	55.1	0.0	7.7	0.0	10.0	0.0	17.7	0.0	30.7	0.0	CAMBRIDGE ROAD
5202 - 7209	5 0	281	46.4	0.0	21.8	0.0	0.0	0.0	21.8	0.0	52.5	0.0	CAMBRIDGE ROAD
7209 - 3241	5 0	146	46.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	63.8	0.0	CAMBRIDGE ROAD
3241 - 3243	5 0	73	46.6	0.0	5.6	0.0	0.0	0.0	5.6	0.0	69.4	0.0	CAMBRIDGE ROAD
3243 - 7381	5 0	78	46.5	0.0	6.0	0.0	0.0	0.0	6.0	0.0	75.4	0.0	CAMBRIDGE ROAD
7381 - 7932	5 0	185	46.5	0.0	14.3	0.0	11.0	0.0	25.3	0.0	100.8	0.0	CAMBRIDGE ROAD
7932 - 7931	5 0	135	48.2	0.0	10.1	0.0	0.0	0.0	10.1	0.0	110.8	0.0	KNIGHTON ROAD
7931 - 7037	5 0	104	48.2	0.0	7.8	0.0	0.0	0.0	7.8	0.0	118.6	0.0	KNIGHTON ROAD
7037 - 7036	5 0	32	48.2	0.0	2.4	0.0	0.0	0.0	2.4	0.0	121.0	0.0	KNIGHTON ROAD
7036 - 3202	5 0	98	48.2	0.0	7.3	0.0	0.0	0.0	7.3	0.0	128.3	0.0	KNIGHTON ROAD
3202 - 3203	5 0	87	48.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	134.8	0.0	KNIGHTON ROAD
3203 - 6682	5 0	251	48.6	0.0	18.6	0.0	0.0	0.0	18.6	0.0	153.3	0.0	KNIGHTON ROAD
6682 - 6681	5 3	185	47.4	0.0	14.1	0.0	7.0	0.0	21.1	0.0	174.4	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.1	0.0	14.2	0.0	0.0	0.0	14.2	0.0	188.6	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.1	0.0	19.4	0.0	0.0	0.0	19.4	0.0	208.0	0.0	CLYDE STREET
4903 - 7448	5 0	139	48.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	218.4	0.0	CLYDE STREET
7448 - 7176	5 0	141	48.2	0.0	10.5	0.0	0.0	0.0	10.5	0.0	228.9	0.0	CLYDE STREET
7176 - 6724	5 0	98	47.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	236.3	0.0	CLYDE STREET
6724 - 8238	5 0	94	47.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	243.4	0.0	CLYDE STREET
8238 - 3057	5 6	25	47.7	0.0	1.9	0.0	36.0	0.0	37.9	0.0	281.3	0.0	CLYDE STREET
3057 - 8236	14 0	31	42.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	283.9	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	41.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	287.1	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	41.8	0.0	15.7	0.0	0.0	0.0	15.7	0.0	302.8	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	41.5	0.0	15.9	0.0	0.0	0.0	15.9	0.0	318.6	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.3	0.0	7.1	0.0	0.9	0.0	8.0	0.0	326.6	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	335.0	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	348.6	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	42.9	0.0	3.4	0.0	0.7	0.0	4.1	0.0	352.7	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	42.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	360.7	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	42.9	0.0	11.2	0.0	0.0	0.0	11.2	0.0	371.9	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	42.9	0.0	6.5	0.0	11.0	0.0	17.5	0.0	389.3	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	41.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	392.7	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	41.4	0.0	12.4	0.0	0.0	0.0	12.4	0.0	405.2	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	41.6	0.0	5.0	0.0	0.0	0.0	5.0	0.0	410.2	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	41.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	414.2	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	41.6	0.0	7.4	0.0	0.0	0.0	7.4	0.0	421.6	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	41.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	431.4	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	41.7	0.0	26.5	0.0	0.0	0.0	26.5	0.0	457.9	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	41.7	0.0	11.0	0.0	0.0	0.0	11.0	0.0	468.8	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	41.6	0.0	11.7	0.0	11.0	0.0	22.7	0.0	491.5	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	42.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	493.0	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	42.4	0.0	11.8	0.0	0.0	0.0	11.8	0.0	504.8	0.0	PEACHGROVE ROAD
4927 - 6862	14 0	54	42.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	509.4	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.5	0.0	5.0	0.0	0.0	0.0	5.0	0.0	514.4	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.5	0.0	15.2	0.0	0.0	0.0	15.2	0.0	529.7	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	546.5	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	558.3	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.4	0.0	22.2	0.0	0.0	0.0	22.2	0.0	580.5	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	591.7	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.3	0.0	8.3	0.0	11.0	0.0	19.3	0.0	611.0	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	46.8	0.0	9.8	0.0	0.0	0.0	9.8	0.0	620.8	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	47.2	0.0	26.2	0.0	0.0	0.0	26.2	0.0	647.0	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	47.1	0.0	20.1	0.0	0.0	0.0	20.1	0.0	667.1	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	47.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	674.5	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.2	0.0	2.8	0.0	0.0	0.0	2.8	0.0	677.4	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.2	0.0	27.8	0.0	0.0	0.0	27.8	0.0	705.2	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	47.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	709.6	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	46.6	0.0	11.0	0.0	0.0	0.0	11.0	0.0	720.6	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	47.6	0.0	23.2	0.0	0.0	0.0	23.2	0.0	743.8	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	48.3	0.0	4.1	0.0	0.0	0.0	4.1	0.0	747.9	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	48.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	751.4	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	48.4	0.0	18.1	0.0	0.0	0.0	18.1	0.0	769.5	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	47.8	0.0	8.6	0.0	0.0	0.0	8.6	0.0	778.1	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	47.8	0.0	5.9	0.0	0.0	0.0	5.9	0.0	784.0	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	46.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	788.2	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	48.4	0.0	7.1	0.0	13.0	0.0	20.1	0.0	808.2	0.0	HUKANUI ROAD
3558 - 3557	6 0	82	58.5	0.0	5.0	0.0	2.4	0.0	7.4	0.0	815.7	0.0	HUKANUI ROAD
3557 - 3549	6 0	17	57.0	0.0	1.1	0.0	0.0	0.0	1.1	0.0	816.8	0.0	HUKANUI ROAD
3549 - 3545	6 0	99	57.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	823.0	0.0	HUKANUI ROAD
3545 - 4328	6 0	296	57.0	0.0	18.7	0.0	0.0	0.0	18.7	0.0	841.7	0.0	HUKANUI ROAD
4328 - 4329	6 0	159	57.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	851.8	0.0	HUKANUI ROAD
4329 - 4137	4 0	9	37.3	0.0	0.9	0.0	0.0	0.0	0.9	0.0	852.6	0.0	HUKANUI ROAD
4137 - 4139	6 0	48	57.4	0.0	3.0	0.0	0.0	0.0	3.0	0.0	855.6	0.0	HUKANUI ROAD
4139 - 3353	6 0	68	57.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	859.9	0.0	HUKANUI ROAD
3353 - 4141	6 0	131	57.5	0.0	8.2	0.0	0.0	0.0	8.2	0.0	868.1	0.0	HUKANUI ROAD
4141 - 3928	6 0	302	57.5	0.0	18.9	0.0	0.0	0.0	18.9	0.0	887.0	0.0	HUKANUI ROAD
3928 - 4281	6 0	157	57.5	0.0	9.8	0.0	0.0	0.0	9.8	0.0	896.8	0.0	HUKANUI ROAD
4281 - 3762	6 0	166	57.8	0.0	10.3	0.0	0.0	0.0	10.3	0.0	907.2	0.0	HORSHAM DOWNS ROAD
3762 - 3763	6 3	16	57.8	0.0	1.0	0.0	12.9	0.0	13.9	0.0	921.1	0.0	HORSHAM DOWNS ROAD

Modelled Totals	10347	40.4	794.2	126.9	921.1	
Observed Totals			0.0	0.0	0.0	0.0



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+-----+
| TRACKS - 07-NOV-14 @ 1                                     |
+-----+
|                                                                    |
|                                                                    |
+-----+

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Rata St, Christchurc

Journey 2 Movement Analysis - times in seconds

HCC R1 - Thomas/HorshamDown to Morrinsville/Cambridge SB

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
3763 - 3762	6 0	16	56.1	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	HORSHAM DOWNS ROAD
3762 - 4281	6 0	166	56.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	11.7	0.0	HORSHAM DOWNS ROAD
4281 - 3928	6 0	157	56.1	0.0	10.1	0.0	0.0	0.0	10.1	0.0	21.8	0.0	HUKANUI ROAD
3928 - 4141	6 0	302	56.1	0.0	19.4	0.0	0.0	0.0	19.4	0.0	41.1	0.0	HUKANUI ROAD
4141 - 3353	6 0	131	56.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	49.5	0.0	HUKANUI ROAD
3353 - 4139	6 0	68	56.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	53.9	0.0	HUKANUI ROAD
4139 - 4137	6 0	48	55.7	0.0	3.1	0.0	0.0	0.0	3.1	0.0	57.0	0.0	HUKANUI ROAD
4137 - 4329	4 0	9	34.1	0.0	1.0	0.0	0.0	0.0	1.0	0.0	58.0	0.0	
4329 - 4328	6 0	159	54.3	0.0	10.5	0.0	0.0	0.0	10.5	0.0	68.5	0.0	HUKANUI ROAD
4328 - 3545	6 0	296	53.4	0.0	20.0	0.0	0.0	0.0	20.0	0.0	88.5	0.0	HUKANUI ROAD
3545 - 3549	6 0	99	53.4	0.0	6.7	0.0	0.0	0.0	6.7	0.0	95.1	0.0	HUKANUI ROAD
3549 - 3557	6 0	17	53.4	0.0	1.1	0.0	0.0	0.0	1.1	0.0	96.3	0.0	
3557 - 3558	6 3	82	57.1	0.0	5.2	0.0	13.0	0.0	18.2	0.0	114.4	0.0	HUKANUI ROAD
3558 - 3562	5 0	95	46.9	0.0	7.3	0.0	3.0	0.0	10.3	0.0	124.7	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	42.8	0.0	4.6	0.0	0.0	0.0	4.6	0.0	129.4	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	135.6	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	144.7	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	46.3	0.0	18.9	0.0	0.0	0.0	18.9	0.0	163.5	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	167.2	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	46.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	171.5	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.8	0.0	23.6	0.0	0.0	0.0	23.6	0.0	195.1	0.0	HUKANUI ROAD
3446 - 2991	5 0	143	46.8	0.0	11.0	0.0	0.0	0.0	11.0	0.0	206.1	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	210.5	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.8	0.0	28.1	0.0	0.0	0.0	28.1	0.0	238.6	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	241.4	0.0	HUKANUI ROAD
6870 - 7140	5 0	98	46.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	249.0	0.0	HUKANUI ROAD
7140 - 7137	5 0	263	46.3	0.0	20.4	0.0	0.0	0.0	20.4	0.0	269.5	0.0	HUKANUI ROAD
7137 - 3710	5 0	343	46.3	0.0	26.7	0.0	0.0	0.0	26.7	0.0	296.1	0.0	
3710 - 6691	5 3	127	46.4	0.0	9.9	0.0	9.0	0.0	18.9	0.0	315.0	0.0	HUKANUI ROAD
6691 - 6693	14 0	98	41.7	0.0	8.5	0.0	0.0	0.0	8.5	0.0	323.4	0.0	PEACHGROVE ROAD
6693 - 4151	14 0	132	41.7	0.0	11.4	0.0	0.0	0.0	11.4	0.0	334.8	0.0	PEACHGROVE ROAD
4151 - 4998	14 0	261	41.8	0.0	22.5	0.0	0.0	0.0	22.5	0.0	357.3	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	369.3	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	389.4	0.0	PEACHGROVE ROAD
5197 - 4975	14 0	180	41.6	0.0	15.6	0.0	1.1	0.0	16.7	0.0	406.1	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	411.2	0.0	PEACHGROVE ROAD
6862 - 4927	14 0	54	41.3	0.0	4.7	0.0	0.0	0.0	4.7	0.0	415.9	0.0	PEACHGROVE ROAD
4927 - 3437	14 0	139	41.3	0.0	12.1	0.0	0.0	0.0	12.1	0.0	428.0	0.0	PEACHGROVE ROAD
3437 - 3439	14 3	18	41.3	0.0	1.6	0.0	8.0	0.0	9.6	0.0	437.6	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	449.3	0.0	PEACHGROVE ROAD
3007 - 6925	14 0	127	41.9	0.0	10.9	0.0	0.0	0.0	10.9	0.0	460.2	0.0	PEACHGROVE ROAD
6925 - 4107	14 0	307	41.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	486.6	0.0	PEACHGROVE ROAD
4107 - 5318	14 0	113	41.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	496.4	0.0	PEACHGROVE ROAD
5318 - 8205	14 0	86	41.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	503.8	0.0	PEACHGROVE ROAD
8205 - 8203	14 0	46	41.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	507.8	0.0	PEACHGROVE ROAD
8203 - 10556	14 0	58	41.7	0.0	5.0	0.0	0.0	0.0	5.0	0.0	512.8	0.0	PEACHGROVE ROAD
10556 - 8240	14 0	143	41.8	0.0	12.3	0.0	0.0	0.0	12.3	0.0	525.1	0.0	PEACHGROVE ROAD
8240 - 3367	14 6	39	43.1	0.0	3.3	0.0	11.0	0.0	14.3	0.0	539.3	0.0	PEACHGROVE ROAD
3367 - 7454	14 0	77	42.6	0.0	6.5	0.0	0.8	0.0	7.3	0.0	546.7	0.0	PEACHGROVE ROAD
7454 - 5086	14 0	133	42.6	0.0	11.2	0.0	0.8	0.0	12.0	0.0	558.7	0.0	PEACHGROVE ROAD
5086 - 5085	14 0	95	42.6	0.0	8.0	0.0	0.0	0.0	8.0	0.0	566.7	0.0	PEACHGROVE ROAD
5085 - 5087	14 0	41	42.6	0.0	3.5	0.0	2.0	0.0	5.5	0.0	572.2	0.0	PEACHGROVE ROAD
5087 - 10647	14 0	160	42.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	585.8	0.0	PEACHGROVE ROAD
10647 - 5316	14 0	99	42.6	0.0	8.4	0.0	0.0	0.0	8.4	0.0	594.1	0.0	PEACHGROVE ROAD
5316 - 3055	14 0	83	42.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	601.2	0.0	PEACHGROVE ROAD
3055 - 5084	14 0	183	42.7	0.0	15.4	0.0	0.0	0.0	15.4	0.0	616.6	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	631.9	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	635.0	0.0	PEACHGROVE ROAD
8236 - 3057	14 7	31	42.8	0.0	2.6	0.0	10.0	0.0	12.6	0.0	647.6	0.0	PEACHGROVE ROAD
3057 - 8238	5 0	25	48.8	0.0	1.8	0.0	0.0	0.0	1.8	0.0	649.5	0.0	CLYDE STREET
8238 - 6724	5 0	94	48.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	656.4	0.0	CLYDE STREET
6724 - 7176	5 0	98	48.8	0.0	7.2	0.0	0.0	0.0	7.2	0.0	663.6	0.0	CLYDE STREET
7176 - 7448	5 0	141	49.0	0.0	10.4	0.0	0.0	0.0	10.4	0.0	674.0	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.9	0.0	10.2	0.0	0.0	0.0	10.2	0.0	684.2	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.8	0.0	19.1	0.0	0.0	0.0	19.1	0.0	703.3	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.8	0.0	14.0	0.0	12.0	0.0	26.0	0.0	729.3	0.0	CLYDE STREET
6681 - 6682	5 0	185	47.2	0.0	14.1	0.0	0.0	0.0	14.1	0.0	743.4	0.0	KNIGHTON ROAD
6682 - 3203	5 0	251	48.2	0.0	18.7	0.0	0.0	0.0	18.7	0.0	762.2	0.0	KNIGHTON ROAD
3203 - 3202	5 0	87	48.2	0.0	6.5	0.0	0.0	0.0	6.5	0.0	768.7	0.0	KNIGHTON ROAD
3202 - 7036	5 0	98	47.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	776.1	0.0	KNIGHTON ROAD
7036 - 7037	5 0	32	47.9	0.0	2.4	0.0	0.0	0.0	2.4	0.0	778.5	0.0	KNIGHTON ROAD
7037 - 7931	5 0	104	47.9	0.0	7.8	0.0	0.0	0.0	7.8	0.0	786.3	0.0	KNIGHTON ROAD
7931 - 7932	5 4	135	47.9	0.0	10.1	0.0	9.0	0.0	19.1	0.0	805.4	0.0	KNIGHTON ROAD
7932 - 7381	5 0	185	45.8	0.0	14.5	0.0	0.0	0.0	14.5	0.0	820.0	0.0	CAMBRIDGE ROAD
7381 - 3243	5 0	78	45.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	826.1	0.0	CAMBRIDGE ROAD
3243 - 3241	5 0	73	46.4	0.0	5.7	0.0	0.0	0.0	5.7	0.0	831.8	0.0	CAMBRIDGE ROAD
3241 - 7209	5 0	146	46.4	0.0	11.3	0.0	0.0	0.0	11.3	0.0	843.1	0.0	CAMBRIDGE ROAD
7209 - 5202	5 3	281	46.4	0.0	21.8	0.0	12.0	0.0	33.8	0.0	876.9	0.0	CAMBRIDGE ROAD
5202 - 5706	6 0	118	56.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	884.4	0.0	CAMBRIDGE ROAD
5706 - 3076	6 3	198	56.7	0.0	12.6	0.0	14.0	0.0	26.6	0.0	911.0	0.0	CAMBRIDGE ROAD

Modelled Totals	10347	40.9			802.3				108.7				911.0
Observed Totals					0.0				0.0				0.0

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 3 Movement Analysis - times in seconds
 HCC R2 - Hood St to Uni G1 EB

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
6712 - 7102	5 0	49	49.2	0.0	3.6	0.0	0.0	0.0	3.6	0.0	3.6	0.0	VICTORIA STREET
7102 - 10445	14 0	51	44.4	0.0	4.1	0.0	0.0	0.0	4.1	0.0	7.7	0.0	VICTORIA STREET
10445 - 8235	14 0	210	44.0	0.0	17.2	0.0	0.0	0.0	17.2	0.0	24.9	0.0	VICTORIA STREET
8235 - 8233	5 2	38	47.8	0.0	2.9	0.0	6.7	0.0	9.6	0.0	34.5	0.0	
8233 - 9824	5 0	258	44.9	0.0	20.7	0.0	0.0	0.0	20.7	0.0	55.2	0.0	
9824 - 3519	5 0	11	44.9	0.0	0.9	0.0	0.0	0.0	0.9	0.0	56.0	0.0	
3519 - 6711	5 0	76	43.8	0.0	6.2	0.0	0.0	0.0	6.2	0.0	62.3	0.0	BRIDGE STREET
6711 - 8230	5 0	52	44.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	66.5	0.0	BRIDGE STREET
8230 - 7494	5 7	30	46.5	0.0	2.3	0.0	29.0	0.0	31.3	0.0	97.8	0.0	BRIDGE STREET
7494 - 8228	5 0	100	45.7	0.0	7.9	0.0	0.0	0.0	7.9	0.0	105.7	0.0	GREY STREET
8228 - 7704	5 7	35	45.7	0.0	2.8	0.0	54.0	0.0	56.8	0.0	162.4	0.0	GREY STREET
7704 - 10596	5 0	123	47.7	0.0	9.3	0.0	0.0	0.0	9.3	0.0	171.7	0.0	CLYDE STREET
10596 - 7705	5 0	122	48.4	0.0	9.1	0.0	0.0	0.0	9.1	0.0	180.8	0.0	CLYDE STREET
7705 - 2662	5 0	35	48.1	0.0	2.6	0.0	0.0	0.0	2.6	0.0	183.4	0.0	CLYDE STREET
2662 - 6713	5 0	207	48.1	0.0	15.5	0.0	0.0	0.0	15.5	0.0	198.9	0.0	CLYDE STREET
6713 - 8237	5 0	131	47.8	0.0	9.9	0.0	0.0	0.0	9.9	0.0	208.8	0.0	CLYDE STREET
8237 - 3057	5 6	24	48.9	0.0	1.8	0.0	50.0	0.0	51.8	0.0	260.5	0.0	CLYDE STREET
3057 - 8238	5 0	25	48.8	0.0	1.8	0.0	0.0	0.0	1.8	0.0	262.4	0.0	CLYDE STREET
8238 - 6724	5 0	94	48.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	269.3	0.0	CLYDE STREET
6724 - 7176	5 0	98	48.8	0.0	7.2	0.0	0.0	0.0	7.2	0.0	276.6	0.0	CLYDE STREET
7176 - 7448	5 0	141	49.0	0.0	10.4	0.0	0.0	0.0	10.4	0.0	286.9	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.9	0.0	10.2	0.0	0.0	0.0	10.2	0.0	297.1	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.8	0.0	19.1	0.0	0.0	0.0	19.1	0.0	316.3	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.8	0.0	14.0	0.0	8.0	0.0	22.0	0.0	338.3	0.0	CLYDE STREET
6681 - 3045	5 0	54	48.8	0.0	4.0	0.0	0.0	0.0	4.0	0.0	342.3	0.0	KNIGHTON ROAD
3045 - 9810	5 0	220	48.6	0.0	16.3	0.0	0.0	0.0	16.3	0.0	358.5	0.0	KNIGHTON ROAD
Modelled Totals		2772	27.8		210.8		147.7		358.5				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 07-NOV-14 @ 1                                     |
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Rata St, Christchurch

Journey 4 Movement Analysis - times in seconds

HCC R2 - Uni G1 to Hood St WB

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
9810 - 3045	5 0	220	48.1	0.0	16.5	0.0	0.0	0.0	16.5	0.0	16.5	0.0	KNIGHTON ROAD
3045 - 6681	5 3	54	48.2	0.0	4.0	0.0	11.0	0.0	15.0	0.0	31.5	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.1	0.0	14.2	0.0	0.0	0.0	14.2	0.0	45.7	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.1	0.0	19.4	0.0	0.0	0.0	19.4	0.0	65.1	0.0	CLYDE STREET
4903 - 7448	5 0	139	48.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	75.5	0.0	CLYDE STREET
7448 - 7176	5 0	141	48.2	0.0	10.5	0.0	0.0	0.0	10.5	0.0	86.0	0.0	CLYDE STREET
7176 - 6724	5 0	98	47.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	93.4	0.0	CLYDE STREET
6724 - 8238	5 0	94	47.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	100.5	0.0	CLYDE STREET
8238 - 3057	5 6	25	47.7	0.0	1.9	0.0	29.0	0.0	30.9	0.0	131.4	0.0	CLYDE STREET
3057 - 8237	5 0	24	46.1	0.0	1.9	0.0	0.0	0.0	1.9	0.0	133.3	0.0	CLYDE STREET
8237 - 6713	5 0	131	46.1	0.0	10.2	0.0	0.0	0.0	10.2	0.0	143.5	0.0	CLYDE STREET
6713 - 2662	5 0	207	45.6	0.0	16.3	0.0	0.0	0.0	16.3	0.0	159.8	0.0	CLYDE STREET
2662 - 7705	5 0	35	45.6	0.0	2.8	0.0	0.0	0.0	2.8	0.0	162.6	0.0	CLYDE STREET
7705 - 10596	5 0	122	45.8	0.0	9.6	0.0	0.0	0.0	9.6	0.0	172.2	0.0	CLYDE STREET
10596 - 7704	5 6	123	46.1	0.0	9.6	0.0	40.0	0.0	49.6	0.0	221.8	0.0	CLYDE STREET
7704 - 8228	5 0	35	39.0	0.0	3.2	0.0	0.0	0.0	3.2	0.0	225.0	0.0	GREY STREET
8228 - 7494	5 6	100	38.4	0.0	9.4	0.0	19.0	0.0	28.4	0.0	253.4	0.0	GREY STREET
7494 - 8230	5 0	30	15.3	0.0	7.1	0.0	0.0	0.0	7.1	0.0	260.5	0.0	BRIDGE STREET
8230 - 6711	5 0	52	15.3	0.0	12.2	0.0	0.0	0.0	12.2	0.0	272.7	0.0	BRIDGE STREET
6711 - 3519	5 0	76	15.0	0.0	18.2	0.0	0.0	0.0	18.2	0.0	290.9	0.0	BRIDGE STREET
3519 - 9824	5 0	11	38.2	0.0	1.0	0.0	0.0	0.0	1.0	0.0	292.0	0.0	
9824 - 8233	5 0	258	38.2	0.0	24.3	0.0	0.0	0.0	24.3	0.0	316.3	0.0	
8233 - 2738	5 6	31	38.2	0.0	2.9	0.0	32.0	0.0	34.9	0.0	351.2	0.0	BRIDGE STREET
2738 - 8235	14 0	25	41.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	353.4	0.0	VICTORIA STREET
8235 - 10445	14 0	210	41.9	0.0	18.0	0.0	0.0	0.0	18.0	0.0	371.4	0.0	VICTORIA STREET
10445 - 7102	14 0	51	43.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	375.6	0.0	VICTORIA STREET
7102 - 6712	5 6	49	48.8	0.0	3.6	0.0	23.9	0.0	27.5	0.0	403.1	0.0	VICTORIA STREET
Modelled Totals		2790	24.9		248.2		154.9		403.1				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurch

Journey 5 Movement Analysis - times in seconds

HCC R3 - Anglesea St to Dominion/Avalon NB

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
3458 - 3457	5 3	23	48.6	0.0	1.7	0.0	9.0	0.0	10.7	0.0	10.7	0.0	ANGLESEA STREET
3457 - 3768	5 0	21	48.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	12.2	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	48.9	0.0	3.5	0.0	0.0	0.0	3.5	0.0	15.7	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	28.0	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	34.1	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.3	0.0	1.5	0.0	30.0	0.0	31.5	0.0	65.6	0.0	
7072 - 8202	5 0	21	49.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	67.2	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	70.5	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	78.9	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.6	0.0	4.8	0.0	21.0	0.0	25.8	0.0	104.7	0.0	ANGLESEA STREET
7193 - 10461	5 0	54	49.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	108.6	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	113.4	0.0	ANGLESEA STREET
5382 - 2514	5 0	89	49.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	119.9	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	124.1	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.6	0.0	4.6	0.0	19.0	0.0	23.6	0.0	147.7	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.6	0.0	8.9	0.0	32.0	0.0	40.9	0.0	188.6	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.7	0.0	6.8	0.0	0.0	0.0	6.8	0.0	195.4	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.8	0.0	9.1	0.0	36.0	0.0	45.1	0.0	240.5	0.0	ANGLESEA STREET
6868 - 10717	4 0	106	39.9	0.0	9.6	0.0	0.0	0.0	9.6	0.0	250.1	0.0	LONDON STREET
10717 - 3125	4 6	136	39.9	0.0	12.3	0.0	35.0	0.0	47.3	0.0	297.4	0.0	LONDON STREET
3125 - 3126	4 0	56	39.5	0.0	5.1	0.0	0.0	0.0	5.1	0.0	302.5	0.0	NORTON ROAD
3126 - 3388	4 0	185	39.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	319.3	0.0	NORTON ROAD
3388 - 3382	4 3	59	39.5	0.0	5.4	0.0	5.0	0.0	10.4	0.0	329.7	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	335.9	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	347.5	0.0	NORTON ROAD
8243 - 3389	5 6	31	49.3	0.0	2.3	0.0	37.0	0.0	39.3	0.0	386.8	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	388.8	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	393.8	0.0	NORTON ROAD
3381 - 3379	5 0	47	49.2	0.0	3.4	0.0	0.0	0.0	3.4	0.0	397.3	0.0	NORTON ROAD
3379 - 3380	5 7	13	49.2	0.0	1.0	0.0	37.0	0.0	38.0	0.0	435.2	0.0	
3380 - 8217	5 0	19	47.9	0.0	1.4	0.0	0.0	0.0	1.4	0.0	436.7	0.0	NORTON ROAD
8217 - 6750	5 0	24	47.9	0.0	1.8	0.0	0.0	0.0	1.8	0.0	438.5	0.0	NORTON ROAD
6750 - 7901	5 0	99	47.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	445.9	0.0	NORTON ROAD
7901 - 7902	5 0	89	47.9	0.0	6.7	0.0	0.0	0.0	6.7	0.0	452.6	0.0	NORTON ROAD
7902 - 7237	5 0	100	47.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	460.1	0.0	NORTON ROAD
7237 - 7905	5 0	31	47.9	0.0	2.3	0.0	0.0	0.0	2.3	0.0	462.4	0.0	NORTON ROAD
7905 - 7906	5 0	66	45.7	0.0	5.2	0.0	0.0	0.0	5.2	0.0	467.6	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	470.8	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	474.9	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	476.8	0.0	
7914 - 7915	5 0	168	45.7	0.0	13.2	0.0	0.0	0.0	13.2	0.0	490.0	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	493.1	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	496.3	0.0	
8060 - 7880	5 0	81	45.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	502.7	0.0	NORTON ROAD
7880 - 4721	5 0	81	45.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	509.1	0.0	NORTON ROAD
4721 - 3456	5 3	337	45.6	0.0	26.6	0.0	16.0	0.0	42.6	0.0	551.7	0.0	NORTON ROAD
3456 - 8206	6 0	21	56.8	0.0	1.3	0.0	0.0	0.0	1.3	0.0	553.1	0.0	LINCOLN STREET
8206 - 3266	6 0	198	56.8	0.0	12.5	0.0	0.0	0.0	12.5	0.0	565.6	0.0	LINCOLN STREET
3266 - 3267	6 0	117	56.8	0.0	7.4	0.0	0.0	0.0	7.4	0.0	573.0	0.0	LINCOLN STREET
3267 - 3476	6 6	57	56.8	0.0	3.6	0.0	31.0	0.0	34.6	0.0	607.7	0.0	LINCOLN STREET
3476 - 10530	6 0	135	57.2	0.0	8.5	0.0	0.0	0.0	8.5	0.0	616.2	0.0	AVALON DRIVE
10530 - 2657	6 0	103	57.2	0.0	6.5	0.0	0.0	0.0	6.5	0.0	622.6	0.0	AVALON DRIVE
2657 - 10657	6 0	109	57.1	0.0	6.9	0.0	0.0	0.0	6.9	0.0	629.5	0.0	AVALON DRIVE
10657 - 4911	6 0	98	57.1	0.0	6.2	0.0	0.0	0.0	6.2	0.0	635.7	0.0	AVALON DRIVE
4911 - 6657	6 0	224	57.2	0.0	14.1	0.0	0.0	0.0	14.1	0.0	649.8	0.0	AVALON DRIVE
6657 - 2577	6 0	127	57.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	657.8	0.0	AVALON DRIVE
2577 - 6658	6 0	118	57.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	665.2	0.0	AVALON DRIVE
6658 - 6661	6 0	151	57.0	0.0	9.5	0.0	0.4	0.0	9.9	0.0	675.2	0.0	AVALON DRIVE
Modelled Totals		5010	26.7		366.8		308.4		675.2				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 6 Movement Analysis - times in seconds

HCC R3 - Dominion/Avalon to Anglesea St SB

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
6661 - 6658	6 0	151	56.8	0.0	9.6	0.0	0.0	0.0	9.6	0.0	9.6	0.0	AVALON DRIVE
6658 - 2577	6 0	118	56.9	0.0	7.5	0.0	0.0	0.0	7.5	0.0	17.0	0.0	AVALON DRIVE
2577 - 6657	6 0	127	56.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	25.1	0.0	AVALON DRIVE
6657 - 4911	6 0	224	55.9	0.0	14.4	0.0	0.0	0.0	14.4	0.0	39.5	0.0	AVALON DRIVE
4911 - 10657	6 0	98	55.9	0.0	6.3	0.0	0.0	0.0	6.3	0.0	45.8	0.0	AVALON DRIVE
10657 - 2657	6 0	109	55.9	0.0	7.0	0.0	0.0	0.0	7.0	0.0	52.8	0.0	AVALON DRIVE
2657 - 10530	6 0	103	55.8	0.0	6.6	0.0	0.0	0.0	6.6	0.0	59.5	0.0	AVALON DRIVE
10530 - 3476	6 6	135	55.8	0.0	8.7	0.0	32.0	0.0	40.7	0.0	100.2	0.0	AVALON DRIVE
3476 - 3267	6 0	57	55.1	0.0	3.7	0.0	0.0	0.0	3.7	0.0	103.9	0.0	LINCOLN STREET
3267 - 3266	6 0	117	55.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	111.6	0.0	LINCOLN STREET
3266 - 8206	6 0	198	55.1	0.0	12.9	0.0	0.0	0.0	12.9	0.0	124.5	0.0	LINCOLN STREET
8206 - 3456	6 3	21	55.1	0.0	1.4	0.0	15.0	0.0	16.4	0.0	140.9	0.0	LINCOLN STREET
3456 - 4721	5 0	337	37.8	0.0	32.1	0.0	0.0	0.0	32.1	0.0	173.0	0.0	NORTON ROAD
4721 - 7880	5 0	81	38.2	0.0	7.6	0.0	0.0	0.0	7.6	0.0	180.6	0.0	NORTON ROAD
7880 - 8060	5 0	81	38.2	0.0	7.6	0.0	0.0	0.0	7.6	0.0	188.2	0.0	NORTON ROAD
8060 - 7231	5 0	41	39.9	0.0	3.7	0.0	0.0	0.0	3.7	0.0	191.9	0.0	NORTON ROAD
7231 - 7915	5 0	39	43.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	195.1	0.0	NORTON ROAD
7915 - 7914	5 0	168	43.5	0.0	13.9	0.0	0.0	0.0	13.9	0.0	209.1	0.0	NORTON ROAD
7914 - 6897	5 0	24	43.9	0.0	2.0	0.0	0.0	0.0	2.0	0.0	211.0	0.0	NORTON ROAD
6897 - 10649	5 0	52	43.9	0.0	4.3	0.0	0.0	0.0	4.3	0.0	215.3	0.0	NORTON ROAD
10649 - 7906	5 0	40	43.9	0.0	3.3	0.0	0.0	0.0	3.3	0.0	218.6	0.0	NORTON ROAD
7906 - 7905	5 0	66	43.4	0.0	5.5	0.0	0.0	0.0	5.5	0.0	224.0	0.0	NORTON ROAD
7905 - 7237	5 0	31	45.6	0.0	2.4	0.0	0.0	0.0	2.4	0.0	226.5	0.0	NORTON ROAD
7237 - 7902	5 0	100	45.6	0.0	7.9	0.0	0.0	0.0	7.9	0.0	234.4	0.0	NORTON ROAD
7902 - 7901	5 0	89	45.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	241.4	0.0	NORTON ROAD
7901 - 6750	5 0	99	45.6	0.0	7.8	0.0	0.0	0.0	7.8	0.0	249.2	0.0	NORTON ROAD
6750 - 8217	5 0	24	45.6	0.0	1.9	0.0	0.0	0.0	1.9	0.0	251.1	0.0	NORTON ROAD
8217 - 3380	5 7	19	47.8	0.0	1.4	0.0	32.6	0.0	34.0	0.0	285.1	0.0	NORTON ROAD
3380 - 3379	5 0	13	47.3	0.0	1.0	0.0	0.0	0.0	1.0	0.0	286.1	0.0	NORTON ROAD
3379 - 3381	5 0	47	47.3	0.0	3.6	0.0	0.0	0.0	3.6	0.0	289.7	0.0	NORTON ROAD
3381 - 8244	5 0	69	47.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	294.9	0.0	NORTON ROAD
8244 - 3389	5 6	27	47.5	0.0	2.0	0.0	17.0	0.0	19.0	0.0	314.0	0.0	NORTON ROAD
3389 - 8243	5 0	31	47.6	0.0	2.3	0.0	0.0	0.0	2.3	0.0	316.3	0.0	NORTON ROAD
8243 - 3386	5 0	159	47.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	328.4	0.0	NORTON ROAD
3386 - 3382	4 3	68	37.7	0.0	6.5	0.0	4.0	0.0	10.5	0.0	338.9	0.0	NORTON ROAD
3382 - 3388	4 0	59	39.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	344.3	0.0	NORTON ROAD
3388 - 3126	4 0	185	39.2	0.0	17.0	0.0	0.0	0.0	17.0	0.0	361.3	0.0	NORTON ROAD
3126 - 3125	4 6	56	39.2	0.0	5.1	0.0	35.0	0.0	40.1	0.0	401.4	0.0	NORTON ROAD
3125 - 10717	4 0	136	39.8	0.0	12.3	0.0	0.0	0.0	12.3	0.0	413.7	0.0	LONDON STREET
10717 - 6868	4 6	106	39.8	0.0	9.6	0.0	36.0	0.0	45.6	0.0	459.3	0.0	LONDON STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	468.6	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	54.2	0.0	6.8	0.0	33.0	0.0	39.8	0.0	508.4	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	49.4	0.0	9.0	0.0	19.0	0.0	28.0	0.0	536.4	0.0	ANGLESEA STREET
5384 - 5383	5 0	63	49.5	0.0	4.6	0.0	0.0	0.0	4.6	0.0	541.0	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	545.2	0.0	ANGLESEA STREET
2514 - 5382	5 0	89	49.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	551.7	0.0	ANGLESEA STREET
5382 - 10461	5 0	66	49.6	0.0	4.8	0.0	0.0	0.0	4.8	0.0	556.5	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.7	0.0	3.9	0.0	21.0	0.0	24.9	0.0	581.4	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	586.2	0.0	ANGLESEA STREET
10474 - 2513	5 0	115	49.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	594.5	0.0	ANGLESEA STREET
2513 - 8202	5 0	46	49.7	0.0	3.3	0.0	0.0	0.0	3.3	0.0	597.9	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.8	0.0	1.5	0.0	29.0	0.0	30.5	0.0	628.4	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	629.9	0.0	ANGLESEA STREET
6685 - 7442	5 0	82	49.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	635.9	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	49.8	0.0	12.1	0.0	0.0	0.0	12.1	0.0	648.1	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	651.5	0.0	ANGLESEA STREET
3768 - 3457	5 3	21	49.7	0.0	1.5	0.0	9.0	0.0	10.5	0.0	662.0	0.0	ANGLESEA STREET
3457 - 3458	5 0	23	48.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	663.7	0.0	ANGLESEA STREET
Modelled Totals		5010	27.2		381.1		282.6		663.7				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurch

Journey 7 Movement Analysis - times in seconds

HCC R4_5 - Whatawhata/Newcastle to Wairere/Sandringham EB

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
7165 - 3412	6 0	87	57.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	5.5	0.0	
3412 - 3413	6 0	342	57.0	0.0	21.6	0.0	0.0	0.0	21.6	0.0	27.1	0.0	WHATAWHATA ROAD
3413 - 6610	6 0	62	57.0	0.0	3.9	0.0	3.0	0.0	6.9	0.0	34.0	0.0	WHATAWHATA ROAD
6610 - 6644	6 0	152	56.5	0.0	9.7	0.0	0.0	0.0	9.7	0.0	43.7	0.0	WHATAWHATA ROAD
6644 - 10654	6 0	67	56.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	47.9	0.0	
10654 - 3747	6 0	51	56.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	51.2	0.0	
3747 - 5380	6 0	163	56.5	0.0	10.4	0.0	0.0	0.0	10.4	0.0	61.6	0.0	SH 23
5380 - 2582	6 0	192	56.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	73.9	0.0	WHATAWHATA ROAD
2582 - 3408	6 0	162	56.4	0.0	10.3	0.0	0.0	0.0	10.3	0.0	84.2	0.0	WHATAWHATA ROAD
3408 - 3400	6 3	13	56.5	0.0	0.8	0.0	12.0	0.0	12.8	0.0	97.0	0.0	WHATAWHATA ROAD
3400 - 3459	6 0	70	55.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	101.6	0.0	RIPLE RANGE ROAD
3459 - 3402	6 0	27	55.5	0.0	1.8	0.0	0.0	0.0	1.8	0.0	103.4	0.0	SH 23
3402 - 3399	6 0	24	58.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	104.8	0.0	SH 23
3399 - 3270	5 0	87	48.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	111.3	0.0	SH 23
3270 - 7525	5 0	297	48.5	0.0	22.0	0.0	0.0	0.0	22.0	0.0	133.3	0.0	MASSEY STREET
7525 - 7524	5 0	123	48.5	0.0	9.1	0.0	0.0	0.0	9.1	0.0	142.5	0.0	MASSEY STREET
7524 - 7997	5 0	61	48.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	147.0	0.0	MASSEY STREET
7997 - 8095	5 0	142	48.1	0.0	10.6	0.0	0.0	0.0	10.6	0.0	157.6	0.0	MASSEY STREET
8095 - 7881	5 0	101	48.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	165.2	0.0	MASSEY STREET
7881 - 6875	5 0	75	48.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	170.8	0.0	MASSEY STREET
6875 - 4294	5 0	40	47.9	0.0	3.0	0.0	0.0	0.0	3.0	0.0	173.8	0.0	MASSEY STREET
4294 - 6853	5 0	75	47.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	179.5	0.0	MASSEY STREET
6853 - 3376	5 6	113	48.9	0.0	8.3	0.0	45.0	0.0	53.3	0.0	232.8	0.0	SH 23
3376 - 8209	5 0	18	48.7	0.0	1.3	0.0	2.3	0.0	3.6	0.0	236.4	0.0	MASSEY HALL OVERBRIDG
8209 - 8889	5 0	51	47.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	240.3	0.0	MASSEY HALL OVERBRIDG
8889 - 6664	5 0	263	45.2	0.0	20.9	0.0	0.0	0.0	20.9	0.0	261.2	0.0	MASSEY HALL OVERBRIDG
6664 - 6665	5 6	57	47.5	0.0	4.3	0.0	8.0	0.0	12.3	0.0	273.6	0.0	MASSEY HALL OVERBRIDG
6665 - 10492	5 0	86	47.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	280.1	0.0	HALL STREET
10492 - 6869	5 0	14	47.7	0.0	1.1	0.0	0.0	0.0	1.1	0.0	281.1	0.0	HALL STREET
6869 - 6662	5 6	81	47.7	0.0	6.1	0.0	4.0	0.0	10.1	0.0	291.2	0.0	HALL STREET
6662 - 8216	5 0	228	49.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	307.9	0.0	HALL STREET
8216 - 3380	5 6	17	49.3	0.0	1.2	0.0	38.0	0.0	39.2	0.0	347.1	0.0	HALL STREET
3380 - 8215	5 0	16	49.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	348.3	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	369.3	0.0	MILL STREET
3378 - 8220	5 0	183	48.1	0.0	13.7	0.0	0.0	0.0	13.7	0.0	383.0	0.0	MILL STREET
8220 - 3472	5 6	35	48.1	0.0	2.6	0.0	6.0	0.0	8.6	0.0	391.7	0.0	MILL STREET
3472 - 8218	5 0	36	48.2	0.0	2.7	0.0	0.0	0.0	2.7	0.0	394.4	0.0	MILL STREET
8218 - 3469	5 6	79	48.2	0.0	5.9	0.0	43.0	0.0	48.9	0.0	443.3	0.0	MILL STREET
3469 - 8221	15 0	21	53.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	444.7	0.0	MILL STREET
8221 - 3470	15 0	107	53.7	0.0	7.2	0.0	0.0	0.0	7.2	0.0	451.8	0.0	MILL STREET
3470 - 3129	15 6	122	53.8	0.0	8.2	0.0	16.0	0.0	24.2	0.0	476.0	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	504.0	0.0	MILL STREET
4951 - 8249	5 0	24	48.2	0.0	1.8	0.0	0.0	0.0	1.8	0.0	505.7	0.0	BOUNDARY ROAD
8249 - 3953	5 0	36	48.2	0.0	2.7	0.0	0.0	0.0	2.7	0.0	508.4	0.0	BOUNDARY ROAD
3953 - 6739	5 0	413	48.2	0.0	30.8	0.0	0.0	0.0	30.8	0.0	539.3	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	551.5	0.0	BOUNDARY ROAD
6736 - 7928	5 0	127	47.1	0.0	9.7	0.0	0.0	0.0	9.7	0.0	561.2	0.0	BOUNDARY ROAD
7928 - 3012	5 3	204	47.1	0.0	15.6	0.0	9.0	0.0	24.6	0.0	585.8	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	623.5	0.0	BOUNDARY ROAD
3013 - 3439	5 3	314	47.7	0.0	23.7	0.0	10.0	0.0	33.7	0.0	657.2	0.0	BOUNDARY ROAD
3439 - 3438	5 0	104	48.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	664.8	0.0	FIFTH AVENUE
3438 - 6694	5 0	343	49.0	0.0	25.2	0.0	2.0	0.0	27.2	0.0	692.0	0.0	FIFTH AVENUE
6694 - 7732	5 0	138	48.9	0.0	10.2	0.0	0.0	0.0	10.2	0.0	702.2	0.0	FIFTH AVENUE
7732 - 4781	5 0	175	49.1	0.0	12.8	0.0	0.0	0.0	12.8	0.0	715.0	0.0	FIFTH AVENUE
4781 - 7729	5 0	143	49.7	0.0	10.4	0.0	0.0	0.0	10.4	0.0	725.4	0.0	TRAMWAY ROAD
7729 - 6931	5 0	211	49.9	0.0	15.2	0.0	5.7	0.0	20.9	0.0	746.3	0.0	TRAMWAY ROAD
Modelled Totals		7277	35.1		525.3		221.0		746.3				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 8 Movement Analysis - times in seconds

HCC R4_5 - Wairere/Sandringham to Whatawhata/Newcastle WB

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	
6931 - 7729	5 0	211	49.9	0.0	15.2	0.0	0.0	0.0	15.2	0.0	15.2	0.0	TRAMWAY ROAD
7729 - 4781	5 4	143	49.9	0.0	10.3	0.0	11.8	0.0	22.1	0.0	37.3	0.0	TRAMWAY ROAD
4781 - 7732	5 0	175	47.0	0.0	13.4	0.0	3.0	0.0	16.4	0.0	53.7	0.0	FIFTH AVENUE
7732 - 6694	5 0	138	46.5	0.0	10.7	0.0	0.0	0.0	10.7	0.0	64.4	0.0	FIFTH AVENUE
6694 - 3438	5 0	343	46.5	0.0	26.6	0.0	0.0	0.0	26.6	0.0	91.0	0.0	FIFTH AVENUE
3438 - 3439	5 3	104	46.5	0.0	8.1	0.0	13.0	0.0	21.1	0.0	112.0	0.0	FIFTH AVENUE
3439 - 3013	5 0	314	45.9	0.0	24.6	0.0	0.0	0.0	24.6	0.0	136.7	0.0	BOUNDARY ROAD
3013 - 3012	5 3	500	45.8	0.0	39.3	0.0	12.0	0.0	51.3	0.0	188.0	0.0	BOUNDARY ROAD
3012 - 7928	5 0	204	41.8	0.0	17.6	0.0	0.0	0.0	17.6	0.0	205.5	0.0	BOUNDARY ROAD
7928 - 6736	5 0	127	41.8	0.0	10.9	0.0	0.0	0.0	10.9	0.0	216.5	0.0	BOUNDARY ROAD
6736 - 6739	5 0	159	35.9	0.0	15.9	0.0	0.0	0.0	15.9	0.0	232.4	0.0	BOUNDARY ROAD
6739 - 3953	5 0	413	26.3	0.0	56.5	0.0	0.0	0.0	56.5	0.0	288.9	0.0	BOUNDARY ROAD
3953 - 8249	5 0	36	26.3	0.0	4.9	0.0	0.0	0.0	4.9	0.0	293.9	0.0	BOUNDARY ROAD
8249 - 4951	5 6	24	43.0	0.0	2.0	0.0	42.0	0.0	44.0	0.0	337.9	0.0	BOUNDARY ROAD
4951 - 3129	15 6	164	52.6	0.0	11.2	0.0	7.0	0.0	18.2	0.0	356.1	0.0	MILL STREET
3129 - 3470	15 0	122	52.0	0.0	8.4	0.0	0.0	0.0	8.4	0.0	364.6	0.0	MILL STREET
3470 - 8221	15 0	107	52.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	371.9	0.0	MILL STREET
8221 - 3469	15 6	21	52.6	0.0	1.4	0.0	9.0	0.0	10.4	0.0	382.4	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	388.4	0.0	MILL STREET
8218 - 3472	5 6	36	47.7	0.0	2.7	0.0	5.8	0.0	8.5	0.0	397.0	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	399.6	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	413.5	0.0	MILL STREET
3378 - 8215	5 0	282	47.9	0.0	21.2	0.0	0.0	0.0	21.2	0.0	434.7	0.0	MILL STREET
8215 - 3380	5 6	16	47.9	0.0	1.2	0.0	22.0	0.0	23.2	0.0	457.9	0.0	MILL STREET
3380 - 8216	5 0	17	48.7	0.0	1.3	0.0	0.0	0.0	1.3	0.0	459.2	0.0	HALL STREET
8216 - 6662	5 6	228	48.7	0.0	16.9	0.0	8.0	0.0	24.9	0.0	484.0	0.0	HALL STREET
6662 - 6869	5 0	81	48.4	0.0	6.0	0.0	0.0	0.0	6.0	0.0	490.0	0.0	HALL STREET
6869 - 10492	5 0	14	48.4	0.0	1.0	0.0	0.0	0.0	1.0	0.0	491.1	0.0	HALL STREET
10492 - 6665	5 6	86	48.6	0.0	6.4	0.0	1.0	0.0	7.4	0.0	498.4	0.0	HALL STREET
6665 - 6664	5 0	57	48.2	0.0	4.3	0.0	2.4	0.0	6.7	0.0	505.1	0.0	MASSEY HALL OVERBRIDG
6664 - 8889	5 0	263	46.6	0.0	20.3	0.0	0.0	0.0	20.3	0.0	525.4	0.0	MASSEY HALL OVERBRIDG
8889 - 8209	5 0	51	48.8	0.0	3.8	0.0	0.0	0.0	3.8	0.0	529.2	0.0	MASSEY HALL OVERBRIDG
8209 - 3376	5 6	18	49.4	0.0	1.3	0.0	35.0	0.0	36.3	0.0	565.5	0.0	MASSEY HALL OVERBRIDG
3376 - 6853	5 0	113	49.4	0.0	8.2	0.0	0.0	0.0	8.2	0.0	573.7	0.0	SH 23
6853 - 4294	5 0	75	48.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	579.3	0.0	MASSEY STREET
4294 - 6875	5 0	40	48.9	0.0	2.9	0.0	0.0	0.0	2.9	0.0	582.2	0.0	MASSEY STREET
6875 - 7881	5 0	75	48.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	587.7	0.0	MASSEY STREET
7881 - 8095	5 0	101	49.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	595.1	0.0	MASSEY STREET
8095 - 7997	5 0	142	48.9	0.0	10.5	0.0	0.0	0.0	10.5	0.0	605.6	0.0	MASSEY STREET
7997 - 7524	5 0	61	48.9	0.0	4.5	0.0	0.0	0.0	4.5	0.0	610.1	0.0	MASSEY STREET
7524 - 7525	5 0	123	49.2	0.0	9.0	0.0	0.0	0.0	9.0	0.0	619.1	0.0	MASSEY STREET
7525 - 3270	5 0	297	49.2	0.0	21.7	0.0	0.0	0.0	21.7	0.0	640.8	0.0	MASSEY STREET
3270 - 3399	5 0	87	49.2	0.0	6.4	0.0	0.0	0.0	6.4	0.0	647.2	0.0	SH 23
3399 - 3402	6 0	24	59.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	648.6	0.0	SH 23
3402 - 3459	6 0	27	57.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	650.3	0.0	SH 23
3459 - 3400	6 3	70	57.7	0.0	4.4	0.0	16.0	0.0	20.4	0.0	670.7	0.0	RIFLE RANGE ROAD
3400 - 3408	6 0	13	58.9	0.0	0.8	0.0	0.0	0.0	0.8	0.0	671.5	0.0	WHATAWHATA ROAD
3408 - 2582	6 0	162	58.9	0.0	9.9	0.0	0.0	0.0	9.9	0.0	681.4	0.0	WHATAWHATA ROAD
2582 - 5380	6 0	192	58.9	0.0	11.7	0.0	0.0	0.0	11.7	0.0	693.1	0.0	WHATAWHATA ROAD
5380 - 3747	6 0	163	59.0	0.0	9.9	0.0	0.0	0.0	9.9	0.0	703.1	0.0	SH 23
3747 - 10654	6 0	51	59.0	0.0	3.1	0.0	0.0	0.0	3.1	0.0	706.2	0.0	
10654 - 6644	6 0	67	59.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	710.3	0.0	
6644 - 6610	6 0	152	59.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	719.5	0.0	WHATAWHATA ROAD
6610 - 3413	6 0	62	59.1	0.0	3.8	0.0	2.0	0.0	5.8	0.0	725.3	0.0	WHATAWHATA ROAD
3413 - 3412	6 0	342	59.1	0.0	20.8	0.0	0.0	0.0	20.8	0.0	746.2	0.0	WHATAWHATA ROAD
3412 - 7165	6 0	87	59.0	0.0	5.3	0.0	3.8	0.0	9.1	0.0	755.3	0.0	
Modelled Totals		7277	34.7		561.5		193.8		755.3				
Observed Totals					0.0		0.0		0.0		0.0		

| TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurch

Journey 9 Movement Analysis - times in seconds

WRTM R1 - Cambridge/Riverlea to Church/TeRapa NB

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
3585 - 3587	4 4	87	39.9	0.0	7.8	0.0	10.5	0.0	18.3	0.0	18.3	0.0	RIVERLEA ROAD
3587 - 4157	6 0	145	56.2	0.0	9.3	0.0	0.0	0.0	9.3	0.0	27.6	0.0	CAMBRIDGE ROAD
4157 - 10700	6 0	84	56.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	33.0	0.0	CAMBRIDGE ROAD
10700 - 3072	6 0	153	56.1	0.0	9.8	0.0	0.0	0.0	9.8	0.0	42.8	0.0	CAMBRIDGE ROAD
3072 - 3076	6 3	124	56.2	0.0	7.9	0.0	22.0	0.0	29.9	0.0	72.8	0.0	CAMBRIDGE ROAD
3076 - 5706	6 0	198	55.0	0.0	13.0	0.0	0.0	0.0	13.0	0.0	85.7	0.0	CAMBRIDGE ROAD
5706 - 5202	6 3	118	55.1	0.0	7.7	0.0	8.0	0.0	15.7	0.0	101.5	0.0	CAMBRIDGE ROAD
5202 - 5140	6 0	26	56.2	0.0	1.7	0.0	0.0	0.0	1.7	0.0	103.1	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	110.9	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	119.6	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	129.8	0.0	COBHAM DRIVE
4897 - 3421	8 0	667	76.6	0.0	31.3	0.0	0.0	0.0	31.3	0.0	161.2	0.0	COBHAM DRIVE
3421 - 3420	8 3	236	76.6	0.0	11.1	0.0	19.0	0.0	30.1	0.0	191.3	0.0	COBHAM DRIVE
3420 - 10642	8 0	129	76.0	0.0	6.1	0.0	0.0	0.0	6.1	0.0	197.4	0.0	COBHAM DRIVE
10642 - 3555	8 0	119	76.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	203.0	0.0	COBHAM DRIVE
3555 - 3435	8 0	171	76.0	0.0	8.1	0.0	0.0	0.0	8.1	0.0	211.1	0.0	COBHAM DRIVE
3435 - 3552	8 0	41	76.0	0.0	1.9	0.0	0.0	0.0	1.9	0.0	213.1	0.0	COBHAM DRIVE
3552 - 3436	8 0	99	76.6	0.0	4.7	0.0	4.3	0.0	9.0	0.0	222.0	0.0	COBHAM DRIVE
3436 - 3670	8 0	395	61.0	0.0	23.3	0.0	0.0	0.0	23.3	0.0	245.3	0.0	SH 1
3670 - 3509	5 0	204	11.9	0.0	61.7	0.0	0.0	0.0	61.7	0.0	307.0	0.0	COBHAM BRIDGE
3509 - 3099	5 0	429	45.2	0.0	34.2	0.0	0.0	0.0	34.2	0.0	341.2	0.0	COBHAM DRIVE
3099 - 3673	5 0	50	47.8	0.0	3.8	0.0	0.0	0.0	3.8	0.0	345.0	0.0	COBHAM DRIVE
3673 - 3674	5 0	49	47.8	0.0	3.7	0.0	0.0	0.0	3.7	0.0	348.7	0.0	COBHAM DRIVE
3674 - 3676	5 6	29	47.8	0.0	2.2	0.0	31.3	0.0	33.5	0.0	382.2	0.0	COBHAM DRIVE
3676 - 3677	7 0	131	68.4	0.0	6.9	0.0	0.0	0.0	6.9	0.0	389.0	0.0	COBHAM DRIVE
3677 - 9799	7 0	82	68.4	0.0	4.3	0.0	0.0	0.0	4.3	0.0	393.4	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	67.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	405.0	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	67.3	0.0	14.1	0.0	0.0	0.0	14.1	0.0	419.1	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	67.3	0.0	21.8	0.0	0.0	0.0	21.8	0.0	440.9	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	51.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	442.6	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	51.9	0.0	4.0	0.0	12.0	0.0	16.0	0.0	458.6	0.0	COBHAM DRIVE
3370 - 8195	5 0	99	48.1	0.0	7.4	0.0	0.0	0.0	7.4	0.0	466.0	0.0	COBHAM DRIVE
8195 - 3457	5 3	58	48.1	0.0	4.3	0.0	5.0	0.0	9.3	0.0	475.4	0.0	COBHAM DRIVE
3457 - 3768	5 0	21	48.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	476.9	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	48.9	0.0	3.5	0.0	0.0	0.0	3.5	0.0	480.4	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	492.6	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	498.8	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.3	0.0	1.5	0.0	30.0	0.0	31.5	0.0	530.3	0.0	ANGLESEA STREET
7072 - 8202	5 0	21	49.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	531.8	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	535.2	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	543.5	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.6	0.0	4.8	0.0	21.0	0.0	25.8	0.0	569.3	0.0	ANGLESEA STREET
7193 - 10461	5 0	54	49.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	573.3	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	578.1	0.0	ANGLESEA STREET
5382 - 2514	5 0	89	49.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	584.6	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	588.8	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.6	0.0	4.6	0.0	19.0	0.0	23.6	0.0	612.4	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.6	0.0	8.9	0.0	32.0	0.0	40.9	0.0	653.3	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.7	0.0	6.8	0.0	0.0	0.0	6.8	0.0	660.1	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.8	0.0	9.1	0.0	37.0	0.0	46.1	0.0	706.2	0.0	ANGLESEA STREET
6868 - 10466	15 0	127	54.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	714.5	0.0	ANGLESEA STREET
10466 - 3757	15 7	116	54.8	0.0	7.6	0.0	8.0	0.0	15.6	0.0	730.2	0.0	ANGLESEA STREET
3757 - 10467	15 0	207	54.8	0.0	13.6	0.0	0.0	0.0	13.6	0.0	743.8	0.0	ANGLESEA STREET
10467 - 3758	15 0	29	54.8	0.0	1.9	0.0	0.0	0.0	1.9	0.0	745.7	0.0	ANGLESEA STREET
3758 - 3131	15 0	12	54.5	0.0	0.8	0.0	0.0	0.0	0.8	0.0	746.5	0.0	
3131 - 3471	15 0	172	54.9	0.0	11.3	0.0	0.0	0.0	11.3	0.0	757.7	0.0	WILLOUGHBY STREET
3471 - 3469	15 6	12	54.9	0.0	0.8	0.0	47.0	0.0	47.8	0.0	805.5	0.0	
3469 - 8221	15 0	21	53.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	806.9	0.0	MILL STREET
8221 - 3470	15 0	107	53.7	0.0	7.2	0.0	0.0	0.0	7.2	0.0	814.1	0.0	MILL STREET
3470 - 3129	15 6	122	53.8	0.0	8.2	0.0	19.0	0.0	27.2	0.0	841.3	0.0	MILL STREET
3129 - 10509	5 0	146	49.4	0.0	10.6	0.0	0.0	0.0	10.6	0.0	851.9	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	859.3	0.0	ULSTER STREET
6921 - 6920	6 0	205	59.3	0.0	12.4	0.0	0.0	0.0	12.4	0.0	871.7	0.0	ULSTER STREET
6920 - 4759	6 0	36	59.3	0.0	2.2	0.0	0.0	0.0	2.2	0.0	873.9	0.0	
4759 - 4760	6 0	511	58.9	0.0	31.2	0.0	0.0	0.0	31.2	0.0	905.1	0.0	ULSTER STREET
4760 - 6669	6 0	171	58.9	0.0	10.5	0.0	0.0	0.0	10.5	0.0	915.6	0.0	ULSTER STREET
6669 - 8225	6 0	276	59.0	0.0	16.8	0.0	0.0	0.0	16.8	0.0	932.4	0.0	ULSTER STREET
8225 - 6670	6 7	29	59.0	0.0	1.8	0.0	40.5	0.0	42.3	0.0	974.7	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	976.3	0.0	TE RAPA ROAD
8222 - 6671	6 0	104	56.0	0.0	6.7	0.0	0.0	0.0	6.7	0.0	983.0	0.0	TE RAPA ROAD
6671 - 4991	6 0	70	56.4	0.0	4.5	0.0	0.0	0.0	4.5	0.0	987.5	0.0	TE RAPA ROAD
4991 - 4990	6 0	158	56.4	0.0	10.1	0.0	0.0	0.0	10.1	0.0	997.6	0.0	TE RAPA ROAD
4990 - 6726	6 0	93	56.4	0.0	5.9	0.0	0.0	0.0	5.9	0.0	1003.5	0.0	TE RAPA ROAD
6726 - 10668	6 0	169	56.4	0.0	10.8	0.0	0.0	0.0	10.8	0.0	1014.3	0.0	TE RAPA ROAD
10668 - 5111	6 0	73	56.4	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1018.9	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	1024.4	0.0	TE RAPA ROAD
7076 - 6865	6 0	81	56.7	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1029.6	0.0	TE RAPA ROAD
6865 - 3364	6 7	148	56.7	0.0	9.4	0.0	18.0	0.0	27.4	0.0	1057.0	0.0	TE RAPA ROAD
3364 - 3260	6 0	195	56.9	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1069.3	0.0	TE RAPA ROAD
3260 - 3330	6 6	109	56.9	0.0	6.9	0.0	18.0	0.0	24.9	0.0	1094.2	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	1105.7	0.0	TE RAPA ROAD
3327 - 6863	6 0	91	57.0	0.0	5.7	0.0	0.0	0.0	5.7	0.0	1111.4	0.0	TE RAPA ROAD
6863 - 6674	6 0	156	57.1	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1121.3	0.0	TE RAPA ROAD
6674 - 10672	6 0	86	57.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1126.7	0.0	TE RAPA ROAD
10672 - 6673	6 3	178	57.2	0.0	11.2	0.0	11.0	0.0	22.2	0.0	1148.9	0.0	TE RAPA ROAD
6673 - 6864	6 0	428	58.3	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1175.3	0.0	TE RAPA ROAD
6864 - 6672	6 7	392	58.2	0.0	24.2	0.0	28.0	0.0	52.2	0.0	1227.6	0.0	TE RAPA ROAD
6672 - 3486	15 0	101	53.7	0.0	6.8	0.0	0.0	0.0	6.8	0.0	1234.3	0.0	GREAT SOUTH ROAD
3486 - 5486	15 0	229	53.7	0.0	15.4	0.0	0.0	0.0	15.4	0.0	1249.7	0.0	GREAT SOUTH ROAD



5486 - 3480	15	7	23	54.0	0.0	1.5	0.0	52.0	0.0	53.5	0.0	1303.2	0.0	GREAT SOUTH ROAD
3480 - 5265	15	0	24	51.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1304.9	0.0	GREAT SOUTH ROAD
5265 - 3488	15	0	152	51.1	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1315.6	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	1327.1	0.0	GREAT SOUTH ROAD
3514 - 5874	15	0	173	51.1	0.0	12.2	0.0	0.0	0.0	12.2	0.0	1339.3	0.0	GREAT SOUTH ROAD
5874 - 3501	15	7	7	53.0	0.0	0.5	0.0	20.0	0.0	20.5	0.0	1359.7	0.0	GREAT SOUTH ROAD
3501 - 5806	15	0	8	53.1	0.0	0.5	0.0	0.0	0.0	0.5	0.0	1360.3	0.0	GREAT SOUTH ROAD
5806 - 3513	15	0	60	53.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1364.4	0.0	GREAT SOUTH ROAD
3513 - 3511	15	0	344	53.0	0.0	23.4	0.0	0.0	0.0	23.4	0.0	1387.7	0.0	GREAT SOUTH ROAD
3511 - 3504	15	3	118	53.0	0.0	8.0	0.0	11.8	0.0	19.8	0.0	1407.5	0.0	GREAT SOUTH ROAD
Modelled Totals	13221	33.8				883.1		524.4		1407.5				
Observed Totals					0.0			0.0		0.0			0.0	

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 10 Movement Analysis - times in seconds

WRTM R1 - Church/TeRapa to Cambridge/Riverlea SB

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	53.7	0.0	7.9	0.0	0.0	0.0	7.9	0.0	7.9	0.0	GREAT SOUTH ROAD
3511 - 3513	15 0	344	53.7	0.0	23.1	0.0	0.0	0.0	23.1	0.0	31.0	0.0	GREAT SOUTH ROAD
3513 - 5806	15 0	60	53.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	35.0	0.0	GREAT SOUTH ROAD
5806 - 3501	15 7	8	54.1	0.0	0.5	0.0	18.0	0.0	18.5	0.0	53.5	0.0	GREAT SOUTH ROAD
3501 - 5874	15 0	7	53.6	0.0	0.5	0.0	0.0	0.0	0.5	0.0	54.0	0.0	GREAT SOUTH ROAD
5874 - 3514	15 0	173	53.6	0.0	11.6	0.0	0.0	0.0	11.6	0.0	65.6	0.0	GREAT SOUTH ROAD
3514 - 3488	15 0	163	53.6	0.0	10.9	0.0	0.0	0.0	10.9	0.0	76.6	0.0	GREAT SOUTH ROAD
3488 - 5265	15 0	152	53.6	0.0	10.2	0.0	0.0	0.0	10.2	0.0	86.8	0.0	GREAT SOUTH ROAD
5265 - 3480	15 7	24	54.0	0.0	1.6	0.0	59.0	0.0	60.6	0.0	147.4	0.0	GREAT SOUTH ROAD
3480 - 5486	15 0	23	53.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	148.9	0.0	GREAT SOUTH ROAD
5486 - 3486	15 0	229	53.5	0.0	15.4	0.0	0.0	0.0	15.4	0.0	164.3	0.0	GREAT SOUTH ROAD
3486 - 6672	15 7	101	54.1	0.0	6.7	0.0	45.0	0.0	51.7	0.0	216.0	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	240.5	0.0	TE RAPA ROAD
6864 - 6673	6 3	428	58.4	0.0	26.4	0.0	11.0	0.0	37.4	0.0	277.9	0.0	TE RAPA ROAD
6673 - 10672	6 0	178	58.2	0.0	11.0	0.0	0.0	0.0	11.0	0.0	288.9	0.0	TE RAPA ROAD
10672 - 6674	6 0	86	58.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	294.2	0.0	TE RAPA ROAD
6674 - 6863	6 0	156	58.3	0.0	9.6	0.0	0.0	0.0	9.6	0.0	303.8	0.0	TE RAPA ROAD
6863 - 3327	6 0	91	58.3	0.0	5.6	0.0	0.0	0.0	5.6	0.0	309.5	0.0	TE RAPA ROAD
3327 - 3330	6 6	183	59.0	0.0	11.2	0.0	51.0	0.0	62.2	0.0	371.6	0.0	TE RAPA ROAD
3330 - 3260	6 0	109	59.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	378.3	0.0	TE RAPA ROAD
3260 - 3364	6 7	195	59.2	0.0	11.9	0.0	54.0	0.0	65.9	0.0	444.1	0.0	TE RAPA ROAD
3364 - 6865	6 0	148	59.2	0.0	9.0	0.0	0.0	0.0	9.0	0.0	453.1	0.0	TE RAPA ROAD
6865 - 7076	6 0	81	59.2	0.0	4.9	0.0	0.0	0.0	4.9	0.0	458.0	0.0	TE RAPA ROAD
7076 - 5111	6 0	86	59.1	0.0	5.2	0.0	0.0	0.0	5.2	0.0	463.3	0.0	TE RAPA ROAD
5111 - 10668	6 0	73	59.0	0.0	4.5	0.0	0.0	0.0	4.5	0.0	467.7	0.0	TE RAPA ROAD
10668 - 6726	6 0	169	59.0	0.0	10.3	0.0	0.0	0.0	10.3	0.0	478.0	0.0	TE RAPA ROAD
6726 - 4990	6 0	93	58.8	0.0	5.7	0.0	0.0	0.0	5.7	0.0	483.7	0.0	TE RAPA ROAD
4990 - 4991	6 0	158	58.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	493.4	0.0	TE RAPA ROAD
4991 - 6671	6 0	70	58.8	0.0	4.3	0.0	0.0	0.0	4.3	0.0	497.7	0.0	TE RAPA ROAD
6671 - 8222	6 0	104	58.2	0.0	6.4	0.0	0.0	0.0	6.4	0.0	504.1	0.0	TE RAPA ROAD
8222 - 6670	6 7	26	58.2	0.0	1.6	0.0	73.0	0.0	74.6	0.0	578.7	0.0	TE RAPA ROAD
6670 - 8225	6 0	29	59.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	580.5	0.0	ULSTER STREET
8225 - 6669	6 0	276	58.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	597.4	0.0	ULSTER STREET
6669 - 4760	6 0	171	58.6	0.0	10.5	0.0	0.0	0.0	10.5	0.0	607.9	0.0	ULSTER STREET
4760 - 4759	6 0	511	58.5	0.0	31.4	0.0	0.0	0.0	31.4	0.0	639.4	0.0	ULSTER STREET
4759 - 6920	6 0	36	58.6	0.0	2.2	0.0	0.0	0.0	2.2	0.0	641.6	0.0	ULSTER STREET
6920 - 6921	6 0	205	58.8	0.0	12.6	0.0	0.0	0.0	12.6	0.0	654.1	0.0	ULSTER STREET
6921 - 10509	5 0	101	48.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	661.6	0.0	ULSTER STREET
10509 - 3129	5 7	146	48.5	0.0	10.8	0.0	56.0	0.0	66.8	0.0	728.5	0.0	ULSTER STREET
3129 - 3470	15 0	122	52.0	0.0	8.4	0.0	0.0	0.0	8.4	0.0	736.9	0.0	MILL STREET
3470 - 8221	15 0	107	52.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	744.3	0.0	MILL STREET
8221 - 3471	15 2	24	54.2	0.0	1.6	0.0	3.2	0.0	4.8	0.0	749.1	0.0	WILLOUGHBY STREET
3471 - 3131	15 0	172	53.8	0.0	11.5	0.0	0.0	0.0	11.5	0.0	760.6	0.0	WILLOUGHBY STREET
3131 - 3758	15 0	12	53.6	0.0	0.8	0.0	0.0	0.0	0.8	0.0	761.4	0.0	WILLOUGHBY STREET
3758 - 10467	15 0	29	53.8	0.0	1.9	0.0	0.0	0.0	1.9	0.0	763.3	0.0	ANGLESEA STREET
10467 - 3757	15 7	207	54.0	0.0	13.8	0.0	20.0	0.0	33.8	0.0	797.1	0.0	ANGLESEA STREET
3757 - 10466	15 0	116	53.3	0.0	7.8	0.0	0.0	0.0	7.8	0.0	805.0	0.0	ANGLESEA STREET
10466 - 6868	15 7	127	53.5	0.0	8.5	0.0	17.0	0.0	25.5	0.0	830.5	0.0	ANGLESEA STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	839.8	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	54.2	0.0	6.8	0.0	33.0	0.0	39.8	0.0	879.6	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	49.4	0.0	9.0	0.0	19.0	0.0	28.0	0.0	907.6	0.0	ANGLESEA STREET
5384 - 5383	5 0	63	49.5	0.0	4.6	0.0	0.0	0.0	4.6	0.0	912.2	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	916.4	0.0	ANGLESEA STREET
2514 - 5382	5 0	89	49.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	922.9	0.0	ANGLESEA STREET
5382 - 10461	5 0	66	49.6	0.0	4.8	0.0	0.0	0.0	4.8	0.0	927.7	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.7	0.0	3.9	0.0	21.0	0.0	24.9	0.0	952.6	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	957.4	0.0	ANGLESEA STREET
10474 - 2513	5 0	115	49.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	965.7	0.0	ANGLESEA STREET
2513 - 8202	5 0	46	49.7	0.0	3.3	0.0	0.0	0.0	3.3	0.0	969.1	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.8	0.0	1.5	0.0	29.0	0.0	30.5	0.0	999.6	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1001.1	0.0	ANGLESEA STREET
6685 - 7442	5 0	82	49.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	1007.1	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	49.8	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1019.3	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	1022.7	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	1037.2	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	1041.5	0.0	COBHAM DRIVE
8195 - 8194	5 2	127	48.0	0.0	9.5	0.0	5.2	0.0	14.7	0.0	1056.2	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	1057.8	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	1079.2	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	1093.1	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	1108.7	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	68.6	0.0	6.9	0.0	14.0	0.0	20.9	0.0	1129.6	0.0	COBHAM DRIVE
3676 - 3674	5 0	29	46.8	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1131.8	0.0	COBHAM DRIVE
3674 - 3673	5 0	49	46.8	0.0	3.8	0.0	3.0	0.0	6.8	0.0	1138.6	0.0	COBHAM DRIVE
3673 - 3099	5 0	50	42.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1142.8	0.0	COBHAM DRIVE
3099 - 3509	5 0	429	42.3	0.0	36.5	0.0	0.0	0.0	36.5	0.0	1179.3	0.0	COBHAM DRIVE
3509 - 3670	5 0	204	42.3	0.0	17.4	0.0	0.0	0.0	17.4	0.0	1196.7	0.0	COBHAM BRIDGE
3670 - 3436	8 0	395	77.7	0.0	18.3	0.0	0.0	0.0	18.3	0.0	1215.0	0.0	SH 1
3436 - 3552	8 0	99	77.7	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1219.6	0.0	COBHAM DRIVE
3552 - 3435	8 0	41	77.4	0.0	1.9	0.0	0.0	0.0	1.9	0.0	1221.5	0.0	COBHAM DRIVE
3435 - 3555	8 0	171	77.4	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1229.5	0.0	COBHAM DRIVE
3555 - 10642	8 0	119	77.4	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1235.0	0.0	COBHAM DRIVE
10642 - 3420	8 3	129	77.4	0.0	6.0	0.0	15.0	0.0	21.0	0.0	1256.0	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	1266.9	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	1297.7	0.0	COBHAM DRIVE
4897 - 10699	6 0	160	57.7	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1307.7	0.0	COBHAM DRIVE
10699 - 5143	6 0	136	57.7	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1316.1	0.0	COBHAM DRIVE
5143 - 5140	6 0	121	57.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1323.7	0.0	COBHAM DRIVE
5140 - 5202	6 3	26	57.7	0.0	1.6	0.0	16.0	0.0	17.6	0.0	1341.3	0.0	COBHAM DRIVE



5202 - 5706	6 0	118	56.5	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1348.8	0.0	CAMBRIDGE ROAD
5706 - 3076	6 3	198	56.7	0.0	12.6	0.0	14.0	0.0	26.6	0.0	1375.4	0.0	CAMBRIDGE ROAD
3076 - 3072	6 0	124	57.5	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1383.2	0.0	CAMBRIDGE ROAD
3072 - 10700	6 0	153	57.5	0.0	9.6	0.0	2.8	0.0	12.4	0.0	1395.5	0.0	CAMBRIDGE ROAD
10700 - 4157	6 0	84	55.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1401.0	0.0	CAMBRIDGE ROAD
4157 - 3587	6 0	145	55.2	0.0	9.5	0.0	0.0	0.0	9.5	0.0	1410.5	0.0	CAMBRIDGE ROAD
3587 - 3586	7 0	80	66.2	0.0	4.4	0.0	1.3	0.0	5.7	0.0	1416.1	0.0	CAMBRIDGE ROAD
Modelled Totals		13174	33.5		822.6		593.5		1416.1				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 07-NOV-14 @ 1                               |
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Rata St, Christchurch

Journey 11 Movement Analysis - times in seconds

WRTM R2 - Ohaupo/Lorne to Galloway/Cobham EB

Link	Types Lnk Ap	Dist (m)	Mdl Spd	Obs Spd	Mdl Time	Obs Time	Mdl Delay	Obs Delay	Total	Mdl	Obs	Accum Mdl	Accum Time	Street Name
5535 - 8248	5 4	27	45.4	0.0	2.1	0.0	81.8	0.0	83.9	0.0	0.0	83.9	0.0	
8248 - 2531	6 0	68	56.2	0.0	4.4	0.0	0.0	0.0	4.4	0.0	0.0	88.3	0.0	SH 1
2531 - 4514	6 0	57	40.1	0.0	5.1	0.0	0.0	0.0	5.1	0.0	0.0	93.4	0.0	SH 1
4514 - 6683	6 0	108	43.2	0.0	9.0	0.0	0.0	0.0	9.0	0.0	0.0	102.4	0.0	KAHIKATEA DRIVE
6683 - 5351	7 0	181	58.2	0.0	11.2	0.0	0.0	0.0	11.2	0.0	0.0	113.6	0.0	KAHIKATEA DRIVE
5351 - 5251	7 0	88	58.2	0.0	5.4	0.0	0.0	0.0	5.4	0.0	0.0	119.1	0.0	KAHIKATEA DRIVE
5251 - 5253	7 0	58	58.2	0.0	3.6	0.0	0.0	0.0	3.6	0.0	0.0	122.6	0.0	KAHIKATEA DRIVE
5253 - 3683	7 0	68	58.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	0.0	126.8	0.0	KAHIKATEA DRIVE
3683 - 10639	7 0	64	58.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	130.8	0.0	KAHIKATEA DRIVE
10639 - 5323	7 0	118	58.2	0.0	7.3	0.0	0.0	0.0	7.3	0.0	0.0	138.1	0.0	KAHIKATEA DRIVE
5323 - 4709	7 0	235	57.0	0.0	14.8	0.0	0.0	0.0	14.8	0.0	0.0	152.9	0.0	KAHIKATEA DRIVE
4709 - 3175	7 0	293	62.6	0.0	16.8	0.0	0.0	0.0	16.8	0.0	0.0	169.8	0.0	SH 1
3175 - 4793	7 0	230	62.6	0.0	13.2	0.0	0.0	0.0	13.2	0.0	0.0	183.0	0.0	SH 1
4793 - 5194	7 0	84	62.6	0.0	4.8	0.0	0.0	0.0	4.8	0.0	0.0	187.9	0.0	KAHIKATEA DRIVE
5194 - 6938	7 0	80	63.2	0.0	4.6	0.0	0.0	0.0	4.6	0.0	0.0	192.4	0.0	KAHIKATEA DRIVE
6938 - 3917	7 0	117	63.6	0.0	6.6	0.0	0.0	0.0	6.6	0.0	0.0	199.0	0.0	KAHIKATEA DRIVE
3917 - 3177	8 0	321	75.3	0.0	15.3	0.0	0.0	0.0	15.3	0.0	0.0	214.4	0.0	GREENWOOD STREET
3177 - 10650	8 0	417	75.9	0.0	19.8	0.0	0.0	0.0	19.8	0.0	0.0	234.2	0.0	GREENWOOD STREET
10650 - 4758	8 0	239	75.9	0.0	11.3	0.0	0.0	0.0	11.3	0.0	0.0	245.5	0.0	GREENWOOD STREET
4758 - 5960	8 0	150	77.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	252.4	0.0	GREENWOOD STREET
5960 - 4757	8 7	8	78.4	0.0	0.4	0.0	37.0	0.0	37.4	0.0	0.0	289.8	0.0	GREENWOOD STREET
4757 - 8815	8 0	11	78.3	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	290.3	0.0	GREENWOOD STREET
8815 - 3377	8 0	331	78.0	0.0	15.3	0.0	0.0	0.0	15.3	0.0	0.0	305.6	0.0	GREENWOOD STREET
3377 - 8210	8 0	299	78.1	0.0	13.8	0.0	0.0	0.0	13.8	0.0	0.0	319.4	0.0	GREENWOOD STREET
8210 - 3376	5 6	18	47.2	0.0	1.4	0.0	20.0	0.0	21.4	0.0	0.0	340.7	0.0	GREENWOOD STREET
3376 - 8211	5 0	16	47.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	0.0	341.9	0.0	LINCOLN STREET
8211 - 4755	7 0	37	68.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	343.9	0.0	LINCOLN STREET
4755 - 4756	8 0	69	78.2	0.0	3.2	0.0	0.0	0.0	3.2	0.0	0.0	347.1	0.0	LINCOLN STREET
4756 - 10496	8 0	102	76.4	0.0	4.8	0.0	0.0	0.0	4.8	0.0	0.0	351.9	0.0	LINCOLN STREET
10496 - 4988	8 0	175	76.4	0.0	8.2	0.0	0.0	0.0	8.2	0.0	0.0	360.1	0.0	LINCOLN STREET
4988 - 8207	8 0	115	76.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	0.0	365.5	0.0	LINCOLN STREET
8207 - 10497	8 0	78	76.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	0.0	369.2	0.0	LINCOLN STREET
10497 - 3455	8 0	226	76.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	0.0	379.8	0.0	LINCOLN STREET
3455 - 3456	8 3	117	76.5	0.0	5.5	0.0	22.0	0.0	27.5	0.0	0.0	407.4	0.0	LINCOLN STREET
3456 - 5538	8 3	1982	75.8	0.0	94.1	0.0	17.0	0.0	111.1	0.0	0.0	518.5	0.0	AVALON DRIVE BYPASS
5538 - 10660	8 0	132	76.5	0.0	6.2	0.0	0.0	0.0	6.2	0.0	0.0	524.7	0.0	SH 1
10660 - 2518	8 0	110	76.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	0.0	529.9	0.0	SH 1
2518 - 10664	8 0	530	76.5	0.0	24.9	0.0	0.0	0.0	24.9	0.0	0.0	554.8	0.0	AVALON DRIVE
10664 - 3285	8 6	195	76.6	0.0	9.2	0.0	24.0	0.0	33.2	0.0	0.0	588.0	0.0	AVALON DRIVE
3285 - 10428	8 0	149	77.5	0.0	6.9	0.0	0.0	0.0	6.9	0.0	0.0	594.9	0.0	AVALON DRIVE
10428 - 5113	8 0	491	77.5	0.0	22.8	0.0	0.0	0.0	22.8	0.0	0.0	617.7	0.0	AVALON DRIVE
5113 - 7498	8 0	178	78.2	0.0	8.2	0.0	0.0	0.0	8.2	0.0	0.0	625.9	0.0	AVALON DRIVE
7498 - 6311	8 7	17	78.8	0.0	0.8	0.0	15.5	0.0	16.3	0.0	0.0	642.2	0.0	AVALON DRIVE
6311 - 6276	7 6	94	68.2	0.0	5.0	0.0	22.0	0.0	27.0	0.0	0.0	669.1	0.0	WAIRERE DRIVE
6276 - 8147	7 0	80	68.2	0.0	4.2	0.0	2.7	0.0	6.9	0.0	0.0	676.1	0.0	WAIRERE DRIVE
8147 - 7706	7 0	40	66.7	0.0	2.2	0.0	0.0	0.0	2.2	0.0	0.0	678.2	0.0	WAIRERE DRIVE
7706 - 3483	7 0	586	66.7	0.0	31.6	0.0	0.0	0.0	31.6	0.0	0.0	709.9	0.0	WAIRERE DRIVE
3483 - 5479	8 0	99	78.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	0.0	714.4	0.0	WAIRERE DRIVE
5479 - 5478	8 0	32	79.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	0.0	715.9	0.0	WAIRERE DRIVE
5478 - 3480	8 6	20	79.0	0.0	0.9	0.0	53.0	0.0	53.9	0.0	0.0	769.8	0.0	WAIRERE DRIVE
3480 - 5472	8 0	19	79.4	0.0	0.9	0.0	0.0	0.0	0.9	0.0	0.0	770.6	0.0	WAIRERE DRIVE
5472 - 3487	8 0	178	79.0	0.0	8.1	0.0	0.0	0.0	8.1	0.0	0.0	778.7	0.0	WAIRERE DRIVE
3487 - 3648	8 0	93	78.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	0.0	783.0	0.0	WAIRERE DRIVE
3648 - 5261	8 0	50	78.9	0.0	2.3	0.0	0.0	0.0	2.3	0.0	0.0	785.3	0.0	WAIRERE DRIVE
5261 - 5203	8 0	34	79.1	0.0	1.5	0.0	0.0	0.0	1.5	0.0	0.0	786.8	0.0	WAIRERE DRIVE
5203 - 3644	8 6	25	79.1	0.0	1.1	0.0	27.0	0.0	28.1	0.0	0.0	815.0	0.0	WAIRERE DRIVE
3644 - 5162	8 0	22	78.7	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	816.0	0.0	WAIRERE DRIVE
5162 - 3939	8 0	85	78.2	0.0	3.9	0.0	0.0	0.0	3.9	0.0	0.0	819.9	0.0	WAIRERE DRIVE
3939 - 10675	8 0	546	78.2	0.0	25.1	0.0	0.0	0.0	25.1	0.0	0.0	845.0	0.0	WAIRERE DRIVE
10675 - 8291	8 0	533	78.2	0.0	24.5	0.0	2.7	0.0	27.2	0.0	0.0	872.2	0.0	WAIRERE DRIVE
8291 - 3652	8 0	229	76.5	0.0	10.8	0.0	0.0	0.0	10.8	0.0	0.0	883.0	0.0	WAIRERE DRIVE
3652 - 8293	8 0	105	78.2	0.0	4.8	0.0	0.0	0.0	4.8	0.0	0.0	887.9	0.0	WAIRERE DRIVE
8293 - 3526	8 6	12	78.6	0.0	0.5	0.0	40.0	0.0	40.5	0.0	0.0	928.4	0.0	WAIRERE DRIVE
3526 - 8315	8 0	12	78.9	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	929.0	0.0	WAIRERE DRIVE
8315 - 3502	8 4	551	77.1	0.0	25.7	0.0	12.3	0.0	38.0	0.0	0.0	967.0	0.0	WAIRERE DRIVE
3502 - 3503	6 0	65	58.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	971.0	0.0	-- no name --
3503 - 3505	6 0	63	56.8	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	975.0	0.0	-- no name --
3505 - 3543	8 0	133	77.7	0.0	6.2	0.0	0.0	0.0	6.2	0.0	0.0	981.2	0.0	WAIRERE DRIVE
3543 - 3563	8 0	1004	77.7	0.0	46.5	0.0	0.0	0.0	46.5	0.0	0.0	1027.7	0.0	WAIRERE DRIVE
3563 - 3558	7 3	112	68.7	0.0	5.9	0.0	16.0	0.0	21.9	0.0	0.0	1049.6	0.0	WAIRERE DRIVE
3558 - 3562	5 0	95	46.9	0.0	7.3	0.0	3.0	0.0	10.3	0.0	0.0	1059.9	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	42.8	0.0	4.6	0.0	0.0	0.0	4.6	0.0	0.0	1064.5	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	0.0	1070.7	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	0.0	1079.8	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	46.3	0.0	18.9	0.0	0.0	0.0	18.9	0.0	0.0	1098.7	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	0.0	1102.3	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	46.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	0.0	1106.6	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.8	0.0	23.6	0.0	0.0	0.0	23.6	0.0	0.0	1130.2	0.0	HUKANUI ROAD
3446 - 2991	5 0	143	46.8	0.0	11.0	0.0	0.0	0.0	11.0	0.0	0.0	1141.2	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	0.0	1145.6	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.8	0.0	28.1	0.0	0.0	0.0	28.1	0.0	0.0	1173.7	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	0.0	1176.5	0.0	HUKANUI ROAD
6870 - 7140	5 0	98	46.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	0.0	1184.1	0.0	HUKANUI ROAD
7140 - 7137	5 0	263	46.3	0.0	20.4	0.0	0.0	0.0	20.4	0.0	0.0	1204.6	0.0	HUKANUI ROAD
7137 - 3710	5 0	343	46.3	0.0	26.7	0.0	0.0	0.0	26.7	0.0	0.0	1231.2	0.0	HUKANUI ROAD
3710 - 6691	5 3	127	46.4	0.0	9.9	0.0	9.0	0.0	18.9	0.0	0.0	1250.1	0.0	HUKANUI ROAD
6691 - 6693	14 0	98	41.7	0.0	8.5	0.0								

4998 - 6760	14	0	138	41.6	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1304.4	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	1324.5	0.0	PEACHGROVE ROAD
5197 - 4975	14	0	180	41.6	0.0	15.6	0.0	1.1	0.0	16.7	0.0	1341.2	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	1346.3	0.0	PEACHGROVE ROAD
6862 - 4927	14	0	54	41.3	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1351.0	0.0	PEACHGROVE ROAD
4927 - 3437	14	0	139	41.3	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1363.2	0.0	PEACHGROVE ROAD
3437 - 3439	14	3	18	41.3	0.0	1.6	0.0	8.0	0.0	9.6	0.0	1372.7	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	1384.4	0.0	PEACHGROVE ROAD
3007 - 6925	14	0	127	41.9	0.0	10.9	0.0	0.0	0.0	10.9	0.0	1395.3	0.0	PEACHGROVE ROAD
6925 - 4107	14	0	307	41.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1421.8	0.0	PEACHGROVE ROAD
4107 - 5318	14	0	113	41.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	1431.5	0.0	PEACHGROVE ROAD
5318 - 8205	14	0	86	41.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	1438.9	0.0	PEACHGROVE ROAD
8205 - 8203	14	0	46	41.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	1442.9	0.0	PEACHGROVE ROAD
8203 - 10556	14	0	58	41.7	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1447.9	0.0	PEACHGROVE ROAD
10556 - 8240	14	0	143	41.8	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1460.2	0.0	PEACHGROVE ROAD
8240 - 3367	14	6	39	43.1	0.0	3.3	0.0	11.0	0.0	14.3	0.0	1474.5	0.0	PEACHGROVE ROAD
3367 - 7454	14	0	77	42.6	0.0	6.5	0.0	0.8	0.0	7.3	0.0	1481.8	0.0	PEACHGROVE ROAD
7454 - 5086	14	0	133	42.6	0.0	11.2	0.0	0.8	0.0	12.0	0.0	1493.8	0.0	PEACHGROVE ROAD
5086 - 5085	14	0	95	42.6	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1501.8	0.0	PEACHGROVE ROAD
5085 - 5087	14	0	41	42.6	0.0	3.5	0.0	2.0	0.0	5.5	0.0	1507.3	0.0	PEACHGROVE ROAD
5087 - 10647	14	0	160	42.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1520.9	0.0	PEACHGROVE ROAD
10647 - 5316	14	0	99	42.6	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1529.3	0.0	PEACHGROVE ROAD
5316 - 3055	14	0	83	42.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	1536.3	0.0	PEACHGROVE ROAD
3055 - 5084	14	0	183	42.7	0.0	15.4	0.0	0.0	0.0	15.4	0.0	1551.7	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	1567.0	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	1570.1	0.0	PEACHGROVE ROAD
8236 - 3057	14	7	31	42.8	0.0	2.6	0.0	9.0	0.0	11.6	0.0	1581.7	0.0	PEACHGROVE ROAD
3057 - 8239	14	0	26	43.8	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1583.9	0.0	GALLOWAY STREET
8239 - 6723	14	0	232	43.8	0.0	19.1	0.0	0.0	0.0	19.1	0.0	1602.9	0.0	GALLOWAY STREET
6723 - 10644	14	0	98	43.5	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1611.0	0.0	GALLOWAY STREET
10644 - 6722	14	0	106	43.5	0.0	8.8	0.0	0.0	0.0	8.8	0.0	1619.8	0.0	GALLOWAY STREET
6722 - 5120	14	0	92	43.4	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1627.4	0.0	GALLOWAY STREET
5120 - 5119	14	0	32	43.4	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1630.1	0.0	
5119 - 5121	14	0	121	43.4	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1640.1	0.0	GALLOWAY STREET
5121 - 7895	14	0	155	43.3	0.0	12.9	0.0	0.0	0.0	12.9	0.0	1653.0	0.0	GALLOWAY STREET
7895 - 7894	14	7	91	43.3	0.0	7.6	0.0	28.0	0.0	35.6	0.0	1688.6	0.0	GALLOWAY STREET
7894 - 7897	14	0	240	44.4	0.0	19.5	0.0	0.0	0.0	19.5	0.0	1708.1	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	1718.7	0.0	GALLOWAY STREET
8676 - 3420	14	3	112	43.4	0.0	9.3	0.0	17.0	0.0	26.3	0.0	1745.0	0.0	GALLOWAY STREET
Modelled Totals	20524	42.3		1259.3		485.7		1745.0						
Observed Totals			0.0		0.0		0.0		0.0		0.0			

TRACKS - 07-NOV-14 @ 1
Rata St, Christchurch

Journey 12 Movement Analysis - times in seconds

WRTM R2 - Galloway/Cobham to Ohaupo/Lorne WB

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	43.5	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	43.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	19.9	0.0	GALLOWAY STREET
7897 - 7894	14 7	240	44.5	0.0	19.4	0.0	27.0	0.0	46.4	0.0	66.3	0.0	GALLOWAY STREET
7894 - 7895	14 0	91	42.7	0.0	7.7	0.0	0.0	0.0	7.7	0.0	73.9	0.0	GALLOWAY STREET
7895 - 5121	14 0	155	42.7	0.0	13.1	0.0	0.0	0.0	13.1	0.0	87.0	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	97.2	0.0	GALLOWAY STREET
5119 - 5120	14 0	32	42.4	0.0	2.7	0.0	0.0	0.0	2.7	0.0	99.9	0.0	GALLOWAY STREET
5120 - 6722	14 0	92	42.3	0.0	7.8	0.0	0.0	0.0	7.8	0.0	107.8	0.0	GALLOWAY STREET
6722 - 10644	14 0	106	42.3	0.0	9.0	0.0	0.0	0.0	9.0	0.0	116.8	0.0	GALLOWAY STREET
10644 - 6723	14 0	98	42.0	0.0	8.4	0.0	0.0	0.0	8.4	0.0	125.2	0.0	GALLOWAY STREET
6723 - 8239	14 0	232	42.1	0.0	19.8	0.0	0.0	0.0	19.8	0.0	145.0	0.0	GALLOWAY STREET
8239 - 3057	14 7	26	42.1	0.0	2.2	0.0	10.0	0.0	12.2	0.0	157.2	0.0	GALLOWAY STREET
3057 - 8236	14 0	31	42.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	159.9	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	41.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	163.0	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	41.8	0.0	15.7	0.0	0.0	0.0	15.7	0.0	178.7	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	41.5	0.0	15.9	0.0	0.0	0.0	15.9	0.0	194.6	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.3	0.0	7.1	0.0	0.9	0.0	8.0	0.0	202.6	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	211.0	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.4	0.0	13.6	0.0	0.0	0.0	13.6	0.0	224.6	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	42.9	0.0	3.4	0.0	0.7	0.0	4.1	0.0	228.7	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	42.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	236.7	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	42.9	0.0	11.2	0.0	0.0	0.0	11.2	0.0	247.8	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	42.9	0.0	6.5	0.0	11.0	0.0	17.5	0.0	265.3	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	41.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	268.7	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	41.4	0.0	12.4	0.0	0.0	0.0	12.4	0.0	281.1	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	41.6	0.0	5.0	0.0	0.0	0.0	5.0	0.0	286.1	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	41.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	290.1	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	41.6	0.0	7.4	0.0	0.0	0.0	7.4	0.0	297.6	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	41.7	0.0	9.8	0.0	0.0	0.0	9.8	0.0	307.3	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	41.7	0.0	26.5	0.0	0.0	0.0	26.5	0.0	333.8	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	41.7	0.0	11.0	0.0	0.0	0.0	11.0	0.0	344.8	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	41.6	0.0	11.7	0.0	11.0	0.0	22.7	0.0	367.5	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	42.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	369.0	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	42.4	0.0	11.8	0.0	0.0	0.0	11.8	0.0	380.8	0.0	PEACHGROVE ROAD
4927 - 6862	14 0	54	42.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	385.4	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.5	0.0	5.0	0.0	0.0	0.0	5.0	0.0	390.4	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.5	0.0	15.2	0.0	0.0	0.0	15.2	0.0	405.6	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	422.5	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	434.3	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.4	0.0	22.2	0.0	0.0	0.0	22.2	0.0	456.4	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	467.7	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.3	0.0	8.3	0.0	11.0	0.0	19.3	0.0	487.0	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	46.8	0.0	9.8	0.0	0.0	0.0	9.8	0.0	496.8	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	47.2	0.0	26.2	0.0	0.0	0.0	26.2	0.0	522.9	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	47.1	0.0	20.1	0.0	0.0	0.0	20.1	0.0	543.0	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	47.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	550.5	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.2	0.0	2.8	0.0	0.0	0.0	2.8	0.0	553.3	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.2	0.0	27.8	0.0	0.0	0.0	27.8	0.0	581.2	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	47.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	585.5	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	46.6	0.0	11.0	0.0	0.0	0.0	11.0	0.0	596.6	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	47.6	0.0	23.2	0.0	0.0	0.0	23.2	0.0	619.8	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	48.3	0.0	4.1	0.0	0.0	0.0	4.1	0.0	623.9	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	48.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	627.4	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	48.4	0.0	18.1	0.0	0.0	0.0	18.1	0.0	645.5	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	47.8	0.0	8.6	0.0	0.0	0.0	8.6	0.0	654.0	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	47.8	0.0	5.9	0.0	0.0	0.0	5.9	0.0	659.9	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	46.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	664.1	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	48.4	0.0	7.1	0.0	11.0	0.0	18.1	0.0	682.2	0.0	HUKANUI ROAD
3558 - 3563	7 0	112	68.3	0.0	5.9	0.0	2.6	0.0	8.5	0.0	690.7	0.0	WAIRERE DRIVE
3563 - 3543	8 0	1004	76.8	0.0	47.1	0.0	0.0	0.0	47.1	0.0	737.8	0.0	WAIRERE DRIVE
3543 - 3505	8 4	133	76.8	0.0	6.2	0.0	17.7	0.0	23.9	0.0	761.7	0.0	WAIRERE DRIVE
3505 - 3502	6 0	67	56.3	0.0	4.3	0.0	2.0	0.0	6.3	0.0	768.0	0.0	-- no name --
3502 - 8315	8 0	551	73.8	0.0	26.9	0.0	0.0	0.0	26.9	0.0	794.9	0.0	WAIRERE DRIVE
8315 - 3526	8 6	12	77.3	0.0	0.6	0.0	49.0	0.0	49.6	0.0	844.4	0.0	WAIRERE DRIVE
3526 - 8293	8 0	12	76.5	0.0	0.6	0.0	0.0	0.0	0.6	0.0	845.0	0.0	WAIRERE DRIVE
8293 - 3652	8 0	105	75.7	0.0	5.0	0.0	6.5	0.0	11.5	0.0	856.5	0.0	WAIRERE DRIVE
3652 - 8291	8 0	229	13.4	0.0	61.5	0.0	0.0	0.0	61.5	0.0	918.0	0.0	WAIRERE DRIVE
8291 - 10675	8 0	533	75.7	0.0	25.3	0.0	0.0	0.0	25.3	0.0	943.4	0.0	WAIRERE DRIVE
10675 - 3939	8 0	546	75.7	0.0	26.0	0.0	0.0	0.0	26.0	0.0	969.3	0.0	WAIRERE DRIVE
3939 - 5162	8 0	85	75.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	973.4	0.0	WAIRERE DRIVE
5162 - 3644	8 6	22	77.4	0.0	1.0	0.0	32.0	0.0	33.0	0.0	1006.4	0.0	WAIRERE DRIVE
3644 - 5203	8 0	25	77.5	0.0	1.2	0.0	0.0	0.0	1.2	0.0	1007.5	0.0	WAIRERE DRIVE
5203 - 5261	8 0	34	77.2	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1009.1	0.0	WAIRERE DRIVE
5261 - 3648	8 0	50	77.2	0.0	2.3	0.0	0.0	0.0	2.3	0.0	1011.5	0.0	WAIRERE DRIVE
3648 - 3487	8 0	93	77.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1015.8	0.0	WAIRERE DRIVE
3487 - 5472	8 0	178	77.0	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1024.1	0.0	WAIRERE DRIVE
5472 - 3480	8 6	19	77.2	0.0	0.9	0.0	55.0	0.0	55.9	0.0	1080.0	0.0	WAIRERE DRIVE
3480 - 5478	8 0	20	78.9	0.0	0.9	0.0	0.0	0.0	0.9	0.0	1080.9	0.0	WAIRERE DRIVE
5478 - 5479	8 0	32	78.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1082.4	0.0	WAIRERE DRIVE
5479 - 3483	8 0	99	78.6	0.0	4.5	0.0	2.5	0.0	7.0	0.0	1089.4	0.0	WAIRERE DRIVE
3483 - 7706	7 0	586	67.3	0.0	31.3	0.0	0.0	0.0	31.3	0.0	1120.8	0.0	WAIRERE DRIVE
7706 - 7636	7 4	126	67.4	0.0	6.7	0.0	10.5	0.0	17.2	0.0	1138.0	0.0	WAIRERE DRIVE
7636 - 5113	8 2	190	77.4	0.0	8.8	0.0	8.1	0.0	16.9	0.0	1154.9	0.0	AVALON DRIVE
5113 - 10428	8 0	491	77.4	0.0	22.8	0.0	0.0	0.0	22.8	0.0	1177.8	0.0	AVALON DRIVE
10428 - 3285	8 6	149	77.4	0.0	6.9	0.0	34.0	0.0	40.9	0.0	1218.7	0.0	AVALON DRIVE
3285 - 10664	8 0	195	77.3	0.0	9.1	0.0	0.0	0.0	9.1	0.0	1227.8	0.0	AVALON DRIVE
10664 - 2518	8 0	530	77.4	0.0	24.7	0.0	0.0	0.0	24.7	0.0	1252.4	0.0	AVALON DRIVE
2518 - 10660	8 0	110	77.4	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1257.5	0.0	SH 1
10660 - 5538	8 3	132	77.4	0.0	6.1	0.0	15.0	0.0	21.1	0.0	1278.7	0.0	SH 1

5538 - 3456	8 3	1982	75.9	0.0	94.0	0.0	22.0	0.0	116.0	0.0	1394.7	0.0	AVALON DRIVE BYPASS
3456 - 3455	8 0	117	77.8	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1400.1	0.0	LINCOLN STREET
3455 - 10497	8 0	226	77.8	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1410.6	0.0	LINCOLN STREET
10497 - 8207	8 0	78	77.8	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1414.2	0.0	LINCOLN STREET
8207 - 4988	8 0	115	77.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	1419.5	0.0	LINCOLN STREET
4988 - 10496	8 0	175	77.8	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1427.6	0.0	LINCOLN STREET
10496 - 4756	8 0	102	77.8	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1432.3	0.0	LINCOLN STREET
4756 - 4755	8 0	69	77.7	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1435.5	0.0	LINCOLN STREET
4755 - 8211	7 0	37	67.7	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1437.5	0.0	LINCOLN STREET
8211 - 3376	5 6	16	48.0	0.0	1.2	0.0	19.0	0.0	20.2	0.0	1457.7	0.0	LINCOLN STREET
3376 - 8210	5 0	18	48.1	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1459.0	0.0	GREENWOOD STREET
8210 - 3377	8 0	299	77.8	0.0	13.8	0.0	0.0	0.0	13.8	0.0	1472.9	0.0	GREENWOOD STREET
3377 - 8815	8 0	331	78.1	0.0	15.3	0.0	0.0	0.0	15.3	0.0	1488.1	0.0	GREENWOOD STREET
8815 - 4757	8 7	11	78.4	0.0	0.5	0.0	37.0	0.0	37.5	0.0	1525.6	0.0	GREENWOOD STREET
4757 - 5960	8 0	8	77.8	0.0	0.4	0.0	0.0	0.0	0.4	0.0	1526.0	0.0	GREENWOOD STREET
5960 - 4758	8 0	150	77.7	0.0	6.9	0.0	3.0	0.0	9.9	0.0	1535.9	0.0	GREENWOOD STREET
4758 - 10650	8 0	239	75.6	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1547.3	0.0	GREENWOOD STREET
10650 - 3177	8 0	417	75.6	0.0	19.9	0.0	0.0	0.0	19.9	0.0	1567.2	0.0	GREENWOOD STREET
3177 - 3917	8 0	321	75.8	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1582.4	0.0	GREENWOOD STREET
3917 - 6938	7 0	117	65.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	1588.9	0.0	KAHIKATEA DRIVE
6938 - 5194	7 0	80	65.5	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1593.3	0.0	KAHIKATEA DRIVE
5194 - 4793	7 0	84	65.9	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1597.9	0.0	KAHIKATEA DRIVE
4793 - 3175	7 0	230	65.9	0.0	12.6	0.0	3.2	0.0	15.8	0.0	1613.7	0.0	SH 1
3175 - 4709	7 0	293	65.9	0.0	16.0	0.0	0.0	0.0	16.0	0.0	1629.7	0.0	SH 1
4709 - 5323	7 0	235	66.5	0.0	12.7	0.0	0.0	0.0	12.7	0.0	1642.4	0.0	KAHIKATEA DRIVE
5323 - 10639	7 0	118	66.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1648.8	0.0	KAHIKATEA DRIVE
10639 - 3683	7 0	64	66.5	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1652.2	0.0	KAHIKATEA DRIVE
3683 - 5253	7 0	68	66.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1655.9	0.0	KAHIKATEA DRIVE
5253 - 5251	7 0	58	66.5	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1659.1	0.0	KAHIKATEA DRIVE
5251 - 5351	7 0	88	66.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1663.8	0.0	KAHIKATEA DRIVE
5351 - 6683	7 0	181	66.5	0.0	9.8	0.0	0.0	0.0	9.8	0.0	1673.6	0.0	KAHIKATEA DRIVE
6683 - 4514	6 0	108	55.6	0.0	7.0	0.0	0.0	0.0	7.0	0.0	1680.6	0.0	KAHIKATEA DRIVE
4514 - 2531	6 0	57	55.4	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1684.3	0.0	SH 1
2531 - 8248	6 0	68	57.6	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1688.6	0.0	SH 1
8248 - 4393	6 6	22	58.0	0.0	1.4	0.0	27.3	0.0	28.7	0.0	1717.2	0.0	SH 1
Modelled Totals		20365	42.7		1288.2		429.0		1717.2				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 13 Movement Analysis - times in seconds

WRTM R4_5 - Tomin/Ohaupo to Richmond/Ulster NB

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	55.9	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	55.9	0.0	12.6	0.0	21.0	0.0	33.6	0.0	38.7	0.0	OHAUPO ROAD
2667 - 2665	6 0	71	55.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	43.3	0.0	SH 3
2665 - 7301	6 0	139	55.3	0.0	9.0	0.0	0.0	0.0	9.0	0.0	52.4	0.0	SH 3
7301 - 7078	6 0	85	55.3	0.0	5.5	0.0	0.0	0.0	5.5	0.0	57.9	0.0	SH3
7078 - 10636	6 0	81	55.3	0.0	5.3	0.0	0.0	0.0	5.3	0.0	63.2	0.0	SH 3
10636 - 3095	6 0	83	55.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	68.6	0.0	SH 3
3095 - 2663	15 0	102	50.4	0.0	7.3	0.0	0.0	0.0	7.3	0.0	75.9	0.0	SH 3
2663 - 3143	15 0	99	50.4	0.0	7.1	0.0	0.0	0.0	7.1	0.0	82.9	0.0	OHAUPO ROAD
3143 - 3770	15 3	38	50.3	0.0	2.7	0.0	12.0	0.0	14.7	0.0	97.7	0.0	SH 3
3770 - 7007	15 0	40	53.6	0.0	2.7	0.0	0.0	0.0	2.7	0.0	100.4	0.0	NORMANDY AVENUE
7007 - 4233	15 0	285	53.6	0.0	19.1	0.0	0.0	0.0	19.1	0.0	119.5	0.0	NORMANDY AVENUE
4233 - 10640	15 0	93	53.4	0.0	6.3	0.0	0.0	0.0	6.3	0.0	125.8	0.0	NORMANDY AVENUE
10640 - 2646	15 0	82	53.4	0.0	5.5	0.0	0.0	0.0	5.5	0.0	131.3	0.0	NORMANDY AVENUE
2646 - 2647	15 6	42	53.4	0.0	2.8	0.0	7.0	0.0	9.8	0.0	141.1	0.0	NORMANDY AVENUE
2647 - 4847	15 0	14	52.6	0.0	1.0	0.0	0.0	0.0	1.0	0.0	142.1	0.0	NORMANDY AVENUE
4847 - 8214	15 0	95	52.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	148.6	0.0	NORMANDY AVENUE
8214 - 4754	15 7	18	52.6	0.0	1.2	0.0	38.0	0.0	39.2	0.0	187.8	0.0	NORMANDY AVENUE
4754 - 8212	15 0	21	52.9	0.0	1.4	0.0	0.0	0.0	1.4	0.0	189.2	0.0	NORMANDY AVENUE
8212 - 3679	15 0	313	51.7	0.0	21.8	0.0	0.0	0.0	21.8	0.0	211.0	0.0	NORMANDY AVENUE
3679 - 5646	15 0	85	52.2	0.0	5.9	0.0	0.0	0.0	5.9	0.0	216.9	0.0	NORMANDY AVENUE
5646 - 9799	15 2	187	52.2	0.0	12.9	0.0	7.3	0.0	20.2	0.0	237.1	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	67.3	0.0	11.6	0.0	0.0	0.0	11.6	0.0	248.7	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	67.3	0.0	14.1	0.0	0.0	0.0	14.1	0.0	262.8	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	67.3	0.0	21.8	0.0	0.0	0.0	21.8	0.0	284.7	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	51.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	286.3	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	51.9	0.0	4.0	0.0	9.0	0.0	13.0	0.0	299.3	0.0	COBHAM DRIVE
3370 - 3397	15 0	155	51.2	0.0	10.9	0.0	0.0	0.0	10.9	0.0	310.2	0.0	TRISTRAM STREET
3397 - 4766	15 3	231	51.4	0.0	16.2	0.0	10.0	0.0	26.2	0.0	336.4	0.0	TRISTRAM STREET
4766 - 3631	5 0	186	39.6	0.0	16.9	0.0	0.0	0.0	16.9	0.0	353.3	0.0	TRISTRAM STREET
3631 - 3390	5 3	52	39.6	0.0	4.7	0.0	7.0	0.0	11.7	0.0	365.1	0.0	TRISTRAM STREET
3390 - 3060	5 0	86	43.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	372.1	0.0	TRISTRAM STREET
3060 - 10473	5 0	27	44.1	0.0	2.2	0.0	0.0	0.0	2.2	0.0	374.3	0.0	TRISTRAM STREET
10473 - 3059	5 0	21	44.5	0.0	1.7	0.0	0.0	0.0	1.7	0.0	376.0	0.0	TRISTRAM STREET
3059 - 6684	5 0	62	44.5	0.0	5.0	0.0	0.0	0.0	5.0	0.0	381.1	0.0	TRISTRAM STREET
6684 - 7222	4 0	85	32.8	0.0	9.3	0.0	0.0	0.0	9.3	0.0	390.4	0.0	TRISTRAM STREET
7222 - 8252	5 0	42	44.6	0.0	3.4	0.0	0.0	0.0	3.4	0.0	393.8	0.0	TRISTRAM STREET
8252 - 3232	4 7	22	33.3	0.0	2.4	0.0	11.0	0.0	13.4	0.0	407.2	0.0	TRISTRAM STREET
3232 - 3233	5 0	65	45.4	0.0	5.2	0.0	0.0	0.0	5.2	0.0	412.3	0.0	TRISTRAM STREET
3233 - 6984	5 0	57	45.5	0.0	4.5	0.0	11.0	0.0	15.5	0.0	427.8	0.0	TRISTRAM STREET
6984 - 10716	5 0	115	46.8	0.0	8.8	0.0	0.0	0.0	8.8	0.0	436.7	0.0	TRISTRAM STREET
10716 - 3125	5 6	131	47.1	0.0	10.0	0.0	13.0	0.0	23.0	0.0	459.7	0.0	TRISTRAM STREET
3125 - 3124	5 0	54	47.6	0.0	4.1	0.0	0.0	0.0	4.1	0.0	463.8	0.0	TRISTRAM STREET
3124 - 6687	5 3	183	47.6	0.0	13.8	0.0	10.0	0.0	23.8	0.0	487.6	0.0	TRISTRAM STREET
6687 - 9785	5 0	229	47.3	0.0	17.4	0.0	0.0	0.0	17.4	0.0	505.0	0.0	TRISTRAM STREET
9785 - 6729	5 0	15	47.4	0.0	1.1	0.0	0.0	0.0	1.1	0.0	506.2	0.0	TRISTRAM STREET
6729 - 3473	5 0	82	47.5	0.0	6.2	0.0	0.0	0.0	6.2	0.0	512.4	0.0	TRISTRAM STREET
3473 - 3472	5 6	25	48.0	0.0	1.9	0.0	29.0	0.0	30.9	0.0	543.3	0.0	TRISTRAM STREET
3472 - 8219	14 0	34	43.5	0.0	2.8	0.0	0.0	0.0	2.8	0.0	546.1	0.0	ABBOTSFORD STREET
8219 - 10511	4 0	204	38.5	0.0	19.1	0.0	0.0	0.0	19.1	0.0	565.2	0.0	ABBOTSFORD STREET
10511 - 6728	4 5	104	38.5	0.0	9.7	0.0	12.0	0.0	21.7	0.0	586.9	0.0	ABBOTSFORD STREET
6728 - 10512	5 0	52	49.0	0.0	3.8	0.0	0.0	0.0	3.8	0.0	590.7	0.0	WILLOUGHBY STREET
10512 - 4759	5 4	429	49.1	0.0	31.5	0.0	10.4	0.0	41.9	0.0	632.6	0.0	WILLOUGHBY STREET
Modelled Totals		5967	34.0		424.9		207.7		632.6				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurch

Journey 14 Movement Analysis - times in seconds

WRTM R4_5 - Richmond/Ulster to Tomin/Ohaupo SB

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	49.7	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	49.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	34.9	0.0	WILLOUGHBY STREET
6728 - 3469	5 6	241	49.4	0.0	17.6	0.0	47.0	0.0	64.6	0.0	99.4	0.0	WILLOUGHBY STREET
3469 - 8218	5 0	79	46.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	105.5	0.0	MILL STREET
8218 - 3473	5 2	55	48.0	0.0	4.1	0.0	4.1	0.0	8.2	0.0	113.7	0.0	
3473 - 6729	5 0	82	47.5	0.0	6.2	0.0	0.0	0.0	6.2	0.0	119.9	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	121.1	0.0	TRISTRAM STREET
9785 - 6687	5 3	229	47.4	0.0	17.4	0.0	10.0	0.0	27.4	0.0	148.5	0.0	TRISTRAM STREET
6687 - 3124	5 0	183	48.2	0.0	13.7	0.0	0.0	0.0	13.7	0.0	162.1	0.0	TRISTRAM STREET
3124 - 3125	5 6	54	48.2	0.0	4.0	0.0	10.7	0.0	14.7	0.0	176.9	0.0	TRISTRAM STREET
3125 - 10716	5 0	131	47.4	0.0	9.9	0.0	0.0	0.0	9.9	0.0	186.8	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	205.5	0.0	TRISTRAM STREET
6984 - 3233	5 0	57	48.0	0.0	4.3	0.0	0.0	0.0	4.3	0.0	209.8	0.0	TRISTRAM STREET
3233 - 3232	5 7	65	48.2	0.0	4.9	0.0	33.0	0.0	37.9	0.0	247.7	0.0	TRISTRAM STREET
3232 - 8252	4 0	22	38.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0	249.7	0.0	TRISTRAM STREET
8252 - 7222	5 0	42	47.6	0.0	3.2	0.0	0.0	0.0	3.2	0.0	252.9	0.0	TRISTRAM STREET
7222 - 6684	4 0	85	38.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	260.9	0.0	TRISTRAM STREET
6684 - 3059	5 0	62	47.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	265.6	0.0	TRISTRAM STREET
3059 - 10473	5 0	21	47.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	267.2	0.0	TRISTRAM STREET
10473 - 3060	5 0	27	47.9	0.0	2.0	0.0	0.0	0.0	2.0	0.0	269.2	0.0	TRISTRAM STREET
3060 - 3390	5 3	86	48.1	0.0	6.4	0.0	10.0	0.0	16.4	0.0	285.7	0.0	TRISTRAM STREET
3390 - 3631	5 0	52	46.5	0.0	4.0	0.0	0.0	0.0	4.0	0.0	289.7	0.0	TRISTRAM STREET
3631 - 4766	5 3	186	46.5	0.0	14.4	0.0	10.0	0.0	24.4	0.0	314.1	0.0	TRISTRAM STREET
4766 - 3397	15 0	231	53.2	0.0	15.6	0.0	0.0	0.0	15.6	0.0	329.7	0.0	TRISTRAM STREET
3397 - 3370	15 3	155	53.3	0.0	10.5	0.0	12.0	0.0	22.5	0.0	352.2	0.0	TRISTRAM STREET
3370 - 8194	15 0	58	54.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	356.0	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	357.6	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	379.1	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	392.9	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	408.6	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	68.6	0.0	6.9	0.0	41.0	0.0	47.9	0.0	456.4	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	462.5	0.0	NORMANDY AVENUE
3679 - 8212	15 0	313	52.0	0.0	21.7	0.0	0.0	0.0	21.7	0.0	484.2	0.0	NORMANDY AVENUE
8212 - 4754	15 7	21	52.0	0.0	1.5	0.0	3.0	0.0	4.5	0.0	488.7	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	489.9	0.0	NORMANDY AVENUE
8214 - 4847	15 0	95	53.4	0.0	6.4	0.0	0.0	0.0	6.4	0.0	496.3	0.0	NORMANDY AVENUE
4847 - 2647	15 6	14	53.7	0.0	0.9	0.0	4.5	0.0	5.4	0.0	501.7	0.0	NORMANDY AVENUE
2647 - 2646	15 0	42	53.7	0.0	2.8	0.0	0.0	0.0	2.8	0.0	504.5	0.0	NORMANDY AVENUE
2646 - 10640	15 0	82	53.7	0.0	5.5	0.0	0.0	0.0	5.5	0.0	510.0	0.0	NORMANDY AVENUE
10640 - 4233	15 0	93	53.7	0.0	6.2	0.0	0.0	0.0	6.2	0.0	516.3	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	535.4	0.0	NORMANDY AVENUE
7007 - 3770	15 3	40	53.8	0.0	2.7	0.0	11.0	0.0	13.7	0.0	549.0	0.0	NORMANDY AVENUE
3770 - 3143	15 0	38	52.8	0.0	2.6	0.0	0.0	0.0	2.6	0.0	551.6	0.0	SH 3
3143 - 2663	15 0	99	52.8	0.0	6.8	0.0	0.0	0.0	6.8	0.0	558.4	0.0	OHAUPO ROAD
2663 - 3095	15 0	102	52.8	0.0	7.0	0.0	0.0	0.0	7.0	0.0	565.3	0.0	SH 3
3095 - 10636	6 0	83	57.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	570.5	0.0	SH 3
10636 - 7078	6 0	81	57.5	0.0	5.1	0.0	0.0	0.0	5.1	0.0	575.6	0.0	SH 3
7078 - 7301	6 0	85	57.5	0.0	5.3	0.0	0.0	0.0	5.3	0.0	580.9	0.0	SH3
7301 - 2665	6 0	139	57.5	0.0	8.7	0.0	0.0	0.0	8.7	0.0	589.6	0.0	SH 3
2665 - 2667	6 6	71	57.4	0.0	4.5	0.0	4.0	0.0	8.5	0.0	598.1	0.0	SH 3
2667 - 11496	6 0	195	58.0	0.0	12.1	0.0	0.0	0.0	12.1	0.0	610.2	0.0	OHAUPO ROAD
11496 - 3301	6 3	80	58.0	0.0	5.0	0.0	8.5	0.0	13.5	0.0	623.7	0.0	OHAUPO ROAD
Modelled Totals		6007	34.7		404.9		218.8		623.7				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurc

Journey 15 Movement Analysis - times in seconds

WRTM R6 - Victoria/Claudlands to Victoria/Knox NB

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
3453 - 3448	5 7	61	48.5	0.0	4.5	0.0	42.0	0.0	46.5	0.0	46.5	0.0	VICTORIA STREET
3448 - 3450	5 0	119	49.3	0.0	8.7	0.0	0.0	0.0	8.7	0.0	55.2	0.0	VICTORIA STREET
3450 - 3449	5 0	11	49.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	56.0	0.0	
3449 - 3452	5 6	113	49.5	0.0	8.2	0.0	33.0	0.0	41.2	0.0	97.2	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	115.1	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	120.2	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	124.3	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	142.6	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	156.3	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	160.6	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	216.3	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	221.9	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	229.0	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	242.1	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	246.8	0.0	VICTORIA STREET
7109 - 4768	15 0	143	54.0	0.0	9.5	0.0	0.0	0.0	9.5	0.0	256.3	0.0	VICTORIA STREET
4768 - 4769	15 6	156	53.8	0.0	10.4	0.0	56.0	0.0	66.4	0.0	322.7	0.0	VICTORIA STREET
4769 - 4907	21 0	15	46.0	0.0	1.2	0.0	0.0	0.0	1.2	0.0	323.9	0.0	
4907 - 3606	4 0	146	36.4	0.0	14.4	0.0	0.0	0.0	14.4	0.0	338.3	0.0	FAIRFIELD BRIDGE
3606 - 3605	4 3	50	36.4	0.0	4.9	0.0	8.0	0.0	12.9	0.0	351.3	0.0	FAIRFIELD BRIDGE
3605 - 7074	6 0	59	56.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	355.0	0.0	RIVER ROAD
7074 - 7105	6 0	352	57.2	0.0	22.2	0.0	0.0	0.0	22.2	0.0	377.2	0.0	RIVER ROAD
7105 - 6677	6 0	82	57.2	0.0	5.2	0.0	16.0	0.0	21.2	0.0	398.4	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	416.4	0.0	CLARKIN ROAD
3112 - 7254	6 0	211	58.8	0.0	12.9	0.0	0.0	0.0	12.9	0.0	429.3	0.0	CLARKIN ROAD
7254 - 6606	6 0	139	58.8	0.0	8.5	0.0	0.0	0.0	8.5	0.0	437.8	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	444.0	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	456.5	0.0	CLARKIN ROAD
7740 - 6906	6 0	106	58.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	463.1	0.0	CLARKIN ROAD
6906 - 3707	6 0	92	57.4	0.0	5.8	0.0	11.0	0.0	16.8	0.0	479.8	0.0	CLARKIN ROAD
3707 - 7738	5 0	184	46.9	0.0	14.1	0.0	0.0	0.0	14.1	0.0	494.0	0.0	HEAPHY TERRACE
7738 - 6751	5 0	132	46.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	504.1	0.0	HEAPHY TERRACE
6751 - 3703	5 0	176	46.7	0.0	13.6	0.0	0.0	0.0	13.6	0.0	517.7	0.0	HEAPHY TERRACE
3703 - 7924	5 0	114	46.6	0.0	8.8	0.0	0.0	0.0	8.8	0.0	526.5	0.0	HEAPHY TERRACE
7924 - 7013	5 0	32	46.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	528.9	0.0	HEAPHY TERRACE
7013 - 7923	5 0	70	46.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	534.3	0.0	HEAPHY TERRACE
7923 - 7921	5 0	19	46.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	535.8	0.0	HEAPHY TERRACE
7921 - 7925	5 0	94	46.1	0.0	7.3	0.0	0.0	0.0	7.3	0.0	543.2	0.0	HEAPHY TERRACE
7925 - 7919	5 0	7	46.1	0.0	0.5	0.0	0.0	0.0	0.5	0.0	543.7	0.0	HEAPHY TERRACE
7919 - 4961	5 0	100	46.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	551.5	0.0	HEAPHY TERRACE
4961 - 4955	5 0	100	46.0	0.0	7.8	0.0	1.4	0.0	9.2	0.0	560.8	0.0	HEAPHY TERRACE
4955 - 4132	5 0	22	46.0	0.0	1.7	0.0	0.0	0.0	1.7	0.0	562.5	0.0	HEAPHY TERRACE
4132 - 3012	5 3	141	45.8	0.0	11.1	0.0	10.0	0.0	21.1	0.0	583.6	0.0	HEAPHY TERRACE
3012 - 6737	5 0	125	47.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	593.0	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	602.5	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	621.5	0.0	HEAPHY TERRACE
3454 - 8232	5 0	224	47.7	0.0	16.9	0.0	0.0	0.0	16.9	0.0	638.4	0.0	HEAPHY TERRACE
8232 - 2537	5 6	34	47.8	0.0	2.6	0.0	22.5	0.0	25.1	0.0	663.4	0.0	HEAPHY TERRACE
2537 - 3755	5 0	50	47.3	0.0	3.8	0.0	0.0	0.0	3.8	0.0	667.2	0.0	HEAPHY TERRACE
3755 - 3754	5 7	35	47.3	0.0	2.7	0.0	11.0	0.0	13.7	0.0	680.9	0.0	HEAPHY TERRACE
3754 - 3753	5 0	46	46.1	0.0	3.6	0.0	0.0	0.0	3.6	0.0	684.5	0.0	GREY STREET
3753 - 3752	5 3	83	46.1	0.0	6.5	0.0	16.0	0.0	22.5	0.0	707.0	0.0	GREY STREET
3752 - 10646	5 0	170	46.0	0.0	13.3	0.0	0.0	0.0	13.3	0.0	720.3	0.0	GREY STREET
10646 - 4913	5 0	385	46.0	0.0	30.1	0.0	0.0	0.0	30.1	0.0	750.4	0.0	GREY STREET
4913 - 6715	5 0	240	46.2	0.0	18.7	0.0	0.0	0.0	18.7	0.0	769.1	0.0	GREY STREET
6715 - 8229	5 0	70	46.4	0.0	5.4	0.0	0.0	0.0	5.4	0.0	774.5	0.0	GREY STREET
8229 - 7494	5 6	35	46.4	0.0	2.7	0.0	31.0	0.0	33.7	0.0	808.3	0.0	GREY STREET
7494 - 8230	5 0	30	15.3	0.0	7.1	0.0	0.0	0.0	7.1	0.0	815.3	0.0	BRIDGE STREET
8230 - 6711	5 0	52	15.3	0.0	12.2	0.0	0.0	0.0	12.2	0.0	827.5	0.0	BRIDGE STREET
6711 - 3519	5 0	76	15.0	0.0	18.2	0.0	0.0	0.0	18.2	0.0	845.8	0.0	BRIDGE STREET
3519 - 9824	5 0	11	38.2	0.0	1.0	0.0	0.0	0.0	1.0	0.0	846.8	0.0	
9824 - 8233	5 0	258	38.2	0.0	24.3	0.0	0.0	0.0	24.3	0.0	871.1	0.0	
8233 - 2738	5 6	31	38.2	0.0	2.9	0.0	32.0	0.0	34.9	0.0	906.1	0.0	BRIDGE STREET
2738 - 8235	14 0	25	41.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	908.2	0.0	VICTORIA STREET
8235 - 10445	14 0	210	41.9	0.0	18.0	0.0	1.9	0.0	19.9	0.0	928.2	0.0	VICTORIA STREET
Modelled Totals		7310	28.4		565.4		362.8		928.2				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 07-NOV-14 @ 1 |
Rata St, Christchurch

Journey 16 Movement Analysis - times in seconds

WRTM R6 - Victoria/Knox to Victoria/Claudelands SB

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
10445 - 8235	14 0	210	44.0	0.0	17.2	0.0	0.0	0.0	17.2	0.0	17.2	0.0	VICTORIA STREET
8235 - 8233	5 2	38	47.8	0.0	2.9	0.0	6.7	0.0	9.6	0.0	26.7	0.0	
8233 - 9824	5 0	258	44.9	0.0	20.7	0.0	0.0	0.0	20.7	0.0	47.4	0.0	
9824 - 3519	5 0	11	44.9	0.0	0.9	0.0	0.0	0.0	0.9	0.0	48.3	0.0	
3519 - 6711	5 0	76	43.8	0.0	6.2	0.0	0.0	0.0	6.2	0.0	54.6	0.0	BRIDGE STREET
6711 - 8230	5 0	52	44.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	58.8	0.0	BRIDGE STREET
8230 - 8229	5 4	48	48.0	0.0	3.6	0.0	6.9	0.0	10.5	0.0	69.3	0.0	BRIDGE STREET
8229 - 6715	5 0	70	47.4	0.0	5.3	0.0	0.0	0.0	5.3	0.0	74.6	0.0	GREY STREET
6715 - 4913	5 0	240	47.8	0.0	18.1	0.0	0.0	0.0	18.1	0.0	92.7	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	121.7	0.0	GREY STREET
10646 - 3752	5 3	170	47.6	0.0	12.9	0.0	14.0	0.0	26.9	0.0	148.6	0.0	GREY STREET
3752 - 3753	5 0	83	46.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	155.0	0.0	GREY STREET
3753 - 3754	5 7	46	49.3	0.0	3.4	0.0	38.4	0.0	41.8	0.0	196.8	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	199.3	0.0	HEAPHY TERRACE
3755 - 2537	5 6	50	48.8	0.0	3.7	0.0	7.0	0.0	10.7	0.0	210.0	0.0	HEAPHY TERRACE
2537 - 8232	5 0	34	48.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	212.5	0.0	HEAPHY TERRACE
8232 - 3454	5 0	224	48.8	0.0	16.5	0.0	0.0	0.0	16.5	0.0	229.0	0.0	HEAPHY TERRACE
3454 - 7468	5 0	252	48.8	0.0	18.6	0.0	0.0	0.0	18.6	0.0	247.6	0.0	
7468 - 6737	5 0	127	48.6	0.0	9.4	0.0	0.0	0.0	9.4	0.0	257.0	0.0	HEAPHY TERRACE
6737 - 3012	5 3	125	48.6	0.0	9.3	0.0	13.0	0.0	22.3	0.0	279.3	0.0	HEAPHY TERRACE
3012 - 4132	5 0	141	47.7	0.0	10.6	0.0	2.0	0.0	12.6	0.0	291.9	0.0	HEAPHY TERRACE
4132 - 4955	5 0	22	47.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	293.6	0.0	
4955 - 4961	5 0	100	47.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	301.1	0.0	HEAPHY TERRACE
4961 - 7919	5 0	100	47.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	308.7	0.0	HEAPHY TERRACE
7919 - 7925	5 0	7	47.7	0.0	0.5	0.0	0.0	0.0	0.5	0.0	309.2	0.0	
7925 - 7921	5 0	94	47.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	316.3	0.0	HEAPHY TERRACE
7921 - 7923	5 0	19	47.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	317.8	0.0	
7923 - 7013	5 0	70	48.0	0.0	5.2	0.0	0.0	0.0	5.2	0.0	323.0	0.0	HEAPHY TERRACE
7013 - 7924	5 0	32	47.9	0.0	2.4	0.0	0.0	0.0	2.4	0.0	325.4	0.0	HEAPHY TERRACE
7924 - 3703	5 0	114	47.6	0.0	8.6	0.0	0.0	0.0	8.6	0.0	334.0	0.0	HEAPHY TERRACE
3703 - 6751	5 0	176	47.9	0.0	13.2	0.0	0.0	0.0	13.2	0.0	347.3	0.0	HEAPHY TERRACE
6751 - 7738	5 0	132	48.2	0.0	9.9	0.0	0.0	0.0	9.9	0.0	357.1	0.0	HEAPHY TERRACE
7738 - 3707	5 4	184	48.2	0.0	13.7	0.0	8.0	0.0	21.7	0.0	378.9	0.0	HEAPHY TERRACE
3707 - 6906	6 0	92	57.7	0.0	5.7	0.0	0.0	0.0	5.7	0.0	384.6	0.0	CLARKIN ROAD
6906 - 7740	6 0	106	58.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	391.1	0.0	CLARKIN ROAD
7740 - 6605	6 0	172	58.3	0.0	10.6	0.0	0.0	0.0	10.6	0.0	401.8	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	407.9	0.0	CLARKIN ROAD
6606 - 7254	6 0	139	58.5	0.0	8.6	0.0	2.0	0.0	10.6	0.0	418.5	0.0	CLARKIN ROAD
7254 - 3112	6 0	211	58.7	0.0	12.9	0.0	0.0	0.0	12.9	0.0	431.4	0.0	CLARKIN ROAD
3112 - 6677	6 4	262	59.6	0.0	15.8	0.0	0.0	0.0	15.8	0.0	447.3	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	452.6	0.0	RIVER ROAD
7105 - 7074	6 4	352	55.8	0.0	22.7	0.0	33.0	0.0	55.7	0.0	508.3	0.0	RIVER ROAD
7074 - 3605	6 3	59	53.7	0.0	4.0	0.0	25.0	0.0	29.0	0.0	537.2	0.0	RIVER ROAD
3605 - 3606	4 0	50	20.9	0.0	8.6	0.0	0.0	0.0	8.6	0.0	545.8	0.0	FAIRFIELD BRIDGE
3606 - 4907	4 0	146	20.9	0.0	25.1	0.0	0.0	0.0	25.1	0.0	571.0	0.0	FAIRFIELD BRIDGE
4907 - 4769	21 7	15	36.0	0.0	1.5	0.0	126.0	0.0	127.5	0.0	698.5	0.0	
4769 - 4768	15 0	156	52.3	0.0	10.7	0.0	3.0	0.0	13.7	0.0	712.2	0.0	VICTORIA STREET
4768 - 7109	15 0	143	52.4	0.0	9.8	0.0	1.1	0.0	10.9	0.0	723.1	0.0	VICTORIA STREET
7109 - 7107	15 0	70	52.4	0.0	4.8	0.0	3.0	0.0	7.8	0.0	731.0	0.0	VICTORIA STREET
7107 - 7213	15 0	194	52.4	0.0	13.3	0.0	0.0	0.0	13.3	0.0	744.3	0.0	VICTORIA STREET
7213 - 4952	15 0	76	52.3	0.0	5.2	0.0	0.0	0.0	5.2	0.0	749.5	0.0	VICTORIA STREET
4952 - 4951	15 6	82	52.3	0.0	5.6	0.0	34.0	0.0	39.6	0.0	789.2	0.0	VICTORIA STREET
4951 - 8250	5 0	38	49.4	0.0	2.8	0.0	0.0	0.0	2.8	0.0	791.9	0.0	VICTORIA STREET
8250 - 10469	5 0	59	48.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	796.3	0.0	VICTORIA STREET
10469 - 3132	5 6	189	48.4	0.0	14.1	0.0	11.0	0.0	25.1	0.0	821.4	0.0	VICTORIA STREET
3132 - 6730	5 0	114	48.7	0.0	8.4	0.0	0.0	0.0	8.4	0.0	829.8	0.0	VICTORIA STREET
6730 - 10455	5 0	56	48.8	0.0	4.1	0.0	0.0	0.0	4.1	0.0	833.9	0.0	VICTORIA STREET
10455 - 6732	5 0	71	48.7	0.0	5.2	0.0	0.0	0.0	5.2	0.0	839.2	0.0	VICTORIA STREET
6732 - 3452	5 7	244	49.1	0.0	17.9	0.0	34.0	0.0	51.9	0.0	891.1	0.0	VICTORIA STREET
3452 - 3449	5 0	113	49.2	0.0	8.3	0.0	0.0	0.0	8.3	0.0	899.3	0.0	VICTORIA STREET
3449 - 3450	5 0	11	49.4	0.0	0.8	0.0	0.0	0.0	0.8	0.0	900.1	0.0	
3450 - 3448	5 7	119	49.4	0.0	8.7	0.0	32.0	0.0	40.7	0.0	940.8	0.0	VICTORIA STREET
3448 - 3453	5 6	61	48.5	0.0	4.5	0.0	16.1	0.0	20.6	0.0	961.4	0.0	VICTORIA STREET
Modelled Totals		7275	27.2		543.2		418.2		961.4				
Observed Totals					0.0		0.0		0.0		0.0		
JOURNEY terminated successfully													

Inter Peak Travel Time Validation Output Files

```
+-----+
| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
+-----+
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+-----+
| TRACKS 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 09:10:44 | TRACKS T |
| TRACKS | Platform : Win 95/NT | TRACKS |
| S TRACKS+-----+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+-----+
|                                     TRACKS Licenced to |
| Gabites Porter |
| at : Christchurch, N.Z. |
+-----+
|                                     Parameter version : V5.20 |
+-----+
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```
JURNEY Data File : JURNEY.DAT
Loaded Network   : WL13B0IALLB0.NL
                  27830 Links in network
```

+-----+

 | TRACKS - 20-OCT-14 @ 0 |
 | Cabites Porter |
Christchurch, N.Z.

Journey 1 Movement Analysis - times in seconds

HCC R1 - Morrinsville/Cambridge to Thomas/HorshamDown NB

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
3076 - 5706	6 0	198	56.0	0.0	12.7	0.0	0.0	0.0	12.7	0.0	12.7	0.0	CAMBRIDGE ROAD
5706 - 5202	6 3	118	56.0	0.0	7.6	0.0	11.0	0.0	18.6	0.0	31.3	0.0	CAMBRIDGE ROAD
5202 - 7209	5 0	281	46.6	0.0	21.7	0.0	0.0	0.0	21.7	0.0	53.0	0.0	CAMBRIDGE ROAD
7209 - 3241	5 0	146	46.7	0.0	11.3	0.0	0.0	0.0	11.3	0.0	64.3	0.0	CAMBRIDGE ROAD
3241 - 3243	5 0	73	46.7	0.0	5.6	0.0	0.0	0.0	5.6	0.0	69.9	0.0	CAMBRIDGE ROAD
3243 - 7381	5 0	78	46.6	0.0	6.0	0.0	0.0	0.0	6.0	0.0	75.9	0.0	CAMBRIDGE ROAD
7381 - 7932	5 0	185	46.6	0.0	14.3	0.0	11.0	0.0	25.3	0.0	101.2	0.0	CAMBRIDGE ROAD
7932 - 7931	5 0	135	48.0	0.0	10.1	0.0	0.0	0.0	10.1	0.0	111.3	0.0	KNIGHTON ROAD
7931 - 7037	5 0	104	48.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	119.1	0.0	KNIGHTON ROAD
7037 - 7036	5 0	32	48.0	0.0	2.4	0.0	0.0	0.0	2.4	0.0	121.5	0.0	KNIGHTON ROAD
7036 - 3202	5 0	98	48.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	128.9	0.0	KNIGHTON ROAD
3202 - 3203	5 0	87	48.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	135.4	0.0	KNIGHTON ROAD
3203 - 6682	5 0	251	48.3	0.0	18.7	0.0	0.0	0.0	18.7	0.0	154.1	0.0	KNIGHTON ROAD
6682 - 6681	5 3	185	47.4	0.0	14.1	0.0	7.0	0.0	21.1	0.0	175.1	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.3	0.0	14.2	0.0	0.0	0.0	14.2	0.0	189.3	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.3	0.0	19.3	0.0	1.0	0.0	20.3	0.0	209.6	0.0	CLYDE STREET
4903 - 7448	5 0	139	47.6	0.0	10.5	0.0	1.0	0.0	11.5	0.0	221.1	0.0	CLYDE STREET
7448 - 7176	5 0	141	47.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	231.8	0.0	CLYDE STREET
7176 - 6724	5 0	98	47.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	239.2	0.0	CLYDE STREET
6724 - 8238	5 0	94	47.4	0.0	7.1	0.0	0.0	0.0	7.1	0.0	246.4	0.0	CLYDE STREET
8238 - 3057	5 6	25	47.4	0.0	1.9	0.0	33.0	0.0	34.9	0.0	281.3	0.0	CLYDE STREET
3057 - 8236	14 0	31	43.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	283.8	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	42.9	0.0	3.1	0.0	0.0	0.0	3.1	0.0	286.9	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	42.9	0.0	15.3	0.0	0.0	0.0	15.3	0.0	302.2	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	42.7	0.0	15.4	0.0	1.0	0.0	16.4	0.0	318.6	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.8	0.0	7.0	0.0	0.7	0.0	7.7	0.0	326.3	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	334.6	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.8	0.0	13.5	0.0	1.0	0.0	14.5	0.0	349.1	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	43.2	0.0	3.4	0.0	0.6	0.0	4.0	0.0	353.1	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	43.2	0.0	7.9	0.0	0.0	0.0	7.9	0.0	361.0	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	43.2	0.0	11.1	0.0	0.0	0.0	11.1	0.0	372.1	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	43.2	0.0	6.4	0.0	10.0	0.0	16.4	0.0	388.5	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	42.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	391.8	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	42.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	404.0	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	408.9	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	412.8	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	42.5	0.0	7.3	0.0	1.0	0.0	8.3	0.0	421.1	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	42.6	0.0	9.5	0.0	0.0	0.0	9.5	0.0	430.6	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	42.6	0.0	25.9	0.0	1.0	0.0	26.9	0.0	457.6	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	468.3	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	42.4	0.0	11.5	0.0	9.0	0.0	20.5	0.0	488.8	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	42.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	490.3	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	42.3	0.0	11.8	0.0	1.0	0.0	12.8	0.0	503.1	0.0	PEACHGROVE ROAD
4927 - 6862	14 0	54	42.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	507.7	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.5	0.0	5.0	0.0	1.0	0.0	6.0	0.0	513.7	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.5	0.0	15.2	0.0	1.0	0.0	16.2	0.0	530.0	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	546.8	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.4	0.0	11.7	0.0	1.0	0.0	12.7	0.0	559.5	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.6	0.0	22.1	0.0	0.0	0.0	22.1	0.0	581.6	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	592.8	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.5	0.0	8.3	0.0	9.0	0.0	17.3	0.0	610.1	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	47.1	0.0	9.7	0.0	0.0	0.0	9.7	0.0	619.8	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	47.2	0.0	26.2	0.0	0.0	0.0	26.2	0.0	645.9	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	47.1	0.0	20.1	0.0	0.0	0.0	20.1	0.0	666.0	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	47.1	0.0	7.5	0.0	0.0	0.0	7.5	0.0	673.5	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.3	0.0	2.8	0.0	0.0	0.0	2.8	0.0	676.3	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.3	0.0	27.8	0.0	0.0	0.0	27.8	0.0	704.1	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	47.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	708.5	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	47.0	0.0	11.0	0.0	0.0	0.0	11.0	0.0	719.4	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	47.4	0.0	23.3	0.0	0.0	0.0	23.3	0.0	742.7	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	47.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	746.9	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	47.5	0.0	3.6	0.0	0.0	0.0	3.6	0.0	750.5	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	47.5	0.0	18.4	0.0	0.0	0.0	18.4	0.0	768.9	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	46.9	0.0	8.8	0.0	0.0	0.0	8.8	0.0	777.6	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	46.9	0.0	6.0	0.0	0.0	0.0	6.0	0.0	783.6	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	45.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	788.0	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	47.8	0.0	7.2	0.0	14.0	0.0	21.2	0.0	809.1	0.0	HUKANUI ROAD
3558 - 3557	6 0	82	57.9	0.0	5.1	0.0	2.6	0.0	7.7	0.0	816.8	0.0	HUKANUI ROAD
3557 - 3549	6 0	17	56.0	0.0	1.1	0.0	0.0	0.0	1.1	0.0	817.9	0.0	HUKANUI ROAD
3549 - 3545	6 0	99	56.0	0.0	6.4	0.0	0.0	0.0	6.4	0.0	824.3	0.0	HUKANUI ROAD
3545 - 4328	6 0	296	56.0	0.0	19.0	0.0	0.0	0.0	19.0	0.0	843.3	0.0	HUKANUI ROAD
4328 - 4329	6 0	159	56.1	0.0	10.2	0.0	0.0	0.0	10.2	0.0	853.5	0.0	HUKANUI ROAD
4329 - 4137	4 0	9	36.9	0.0	0.9	0.0	0.0	0.0	0.9	0.0	854.4	0.0	HUKANUI ROAD
4137 - 4139	6 0	48	57.0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	857.4	0.0	HUKANUI ROAD
4139 - 3353	6 0	68	57.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	861.7	0.0	HUKANUI ROAD
3353 - 4141	6 0	131	57.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	869.9	0.0	HUKANUI ROAD
4141 - 3928	6 0	302	57.3	0.0	19.0	0.0	0.0	0.0	19.0	0.0	888.9	0.0	HUKANUI ROAD
3928 - 4281	6 0	157	57.3	0.0	9.9	0.0	0.0	0.0	9.9	0.0	898.8	0.0	HUKANUI ROAD
4281 - 3762	6 0	166	57.4	0.0	10.4	0.0	0.0	0.0	10.4	0.0	909.2	0.0	HORSHAM DOWNS ROAD
3762 - 3763	6 3	16	57.4	0.0	1.0	0.0	11.1	0.0	12.1	0.0	921.3	0.0	HORSHAM DOWNS ROAD
Modelled Totals		10347	40.4		792.3		129.0		921.3				
Observed Totals					0.0		0.0		0.0		0.0		

 TRACKS - 20-OCT-14 @ 0
 Gabites Porter
 Christchurch, N.Z.

Journey 2 Movement Analysis - times in seconds

HCC R1 - Thomas/HorshamDown to Morrinsville/Cambridge SB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treest Name
Link	Lnk Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time	
3763 - 3762	6 0	16	56.4	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	HORSHAM DOWNS ROAD
3762 - 4281	6 0	166	56.4	0.0	10.6	0.0	0.0	0.0	10.6	0.0	11.6	0.0	HORSHAM DOWNS ROAD
4281 - 3928	6 0	157	56.3	0.0	10.0	0.0	0.0	0.0	10.0	0.0	21.7	0.0	HUKANUI ROAD
3928 - 4141	6 0	302	56.3	0.0	19.3	0.0	0.0	0.0	19.3	0.0	41.0	0.0	HUKANUI ROAD
4141 - 3353	6 0	131	56.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	49.3	0.0	HUKANUI ROAD
3353 - 4139	6 0	68	56.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	53.7	0.0	HUKANUI ROAD
4139 - 4137	6 0	48	56.1	0.0	3.1	0.0	0.0	0.0	3.1	0.0	56.8	0.0	HUKANUI ROAD
4137 - 4329	4 0	9	35.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	57.7	0.0	
4329 - 4328	6 0	159	55.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	68.0	0.0	HUKANUI ROAD
4328 - 3545	6 0	296	55.0	0.0	19.4	0.0	0.0	0.0	19.4	0.0	87.4	0.0	HUKANUI ROAD
3545 - 3549	6 0	99	55.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	93.9	0.0	HUKANUI ROAD
3549 - 3557	6 0	17	55.0	0.0	1.1	0.0	0.0	0.0	1.1	0.0	95.0	0.0	
3557 - 3558	6 3	82	57.4	0.0	5.1	0.0	13.0	0.0	18.1	0.0	113.2	0.0	HUKANUI ROAD
3558 - 3562	5 0	95	47.6	0.0	7.2	0.0	2.6	0.0	9.8	0.0	122.9	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	45.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	127.3	0.0	HUKANUI ROAD
4783 - 7279	5 0	78	46.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	133.4	0.0	HUKANUI ROAD
7279 - 7278	5 0	114	46.2	0.0	8.9	0.0	0.0	0.0	8.9	0.0	142.3	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	47.0	0.0	18.6	0.0	0.0	0.0	18.6	0.0	160.9	0.0	HUKANUI ROAD
7144 - 6963	5 0	47	47.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	164.5	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	47.0	0.0	4.2	0.0	0.0	0.0	4.2	0.0	168.7	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.7	0.0	23.7	0.0	0.0	0.0	23.7	0.0	192.4	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	203.5	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.6	0.0	4.4	0.0	0.0	0.0	4.4	0.0	207.9	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.7	0.0	28.1	0.0	0.0	0.0	28.1	0.0	236.0	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	238.8	0.0	HUKANUI ROAD
6870 - 7140	5 0	98	46.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	246.4	0.0	HUKANUI ROAD
7140 - 7137	5 0	263	46.7	0.0	20.3	0.0	0.0	0.0	20.3	0.0	266.6	0.0	HUKANUI ROAD
7137 - 3710	5 0	343	46.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	293.0	0.0	
3710 - 6691	5 3	127	46.6	0.0	9.8	0.0	9.0	0.0	18.8	0.0	311.8	0.0	HUKANUI ROAD
6691 - 6693	14 0	98	42.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	320.2	0.0	PEACHGROVE ROAD
6693 - 4151	14 0	132	42.1	0.0	11.3	0.0	0.0	0.0	11.3	0.0	331.5	0.0	PEACHGROVE ROAD
4151 - 4998	14 0	261	42.2	0.0	22.3	0.0	0.0	0.0	22.3	0.0	353.8	0.0	PEACHGROVE ROAD
4998 - 6760	14 0	138	42.1	0.0	11.8	0.0	0.0	0.0	11.8	0.0	365.6	0.0	PEACHGROVE ROAD
6760 - 5197	14 0	199	42.2	0.0	17.0	0.0	2.0	0.0	19.0	0.0	384.6	0.0	PEACHGROVE ROAD
5197 - 4975	14 0	180	42.2	0.0	15.4	0.0	0.9	0.0	16.3	0.0	400.8	0.0	PEACHGROVE ROAD
4975 - 6862	14 0	59	42.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	405.8	0.0	PEACHGROVE ROAD
6862 - 4927	14 0	54	42.0	0.0	4.6	0.0	0.0	0.0	4.6	0.0	410.5	0.0	PEACHGROVE ROAD
4927 - 3437	14 0	139	42.0	0.0	11.9	0.0	0.0	0.0	11.9	0.0	422.4	0.0	PEACHGROVE ROAD
3437 - 3439	14 3	18	42.0	0.0	1.5	0.0	9.0	0.0	10.5	0.0	432.9	0.0	PEACHGROVE ROAD
3439 - 3007	14 0	135	42.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	444.4	0.0	PEACHGROVE ROAD
3007 - 6925	14 0	127	42.7	0.0	10.7	0.0	0.0	0.0	10.7	0.0	455.1	0.0	PEACHGROVE ROAD
6925 - 4107	14 0	307	42.6	0.0	25.9	0.0	0.0	0.0	25.9	0.0	481.0	0.0	PEACHGROVE ROAD
4107 - 5318	14 0	113	42.6	0.0	9.5	0.0	1.0	0.0	10.5	0.0	491.6	0.0	PEACHGROVE ROAD
5318 - 8205	14 0	86	42.6	0.0	7.3	0.0	0.0	0.0	7.3	0.0	498.8	0.0	PEACHGROVE ROAD
8205 - 8203	14 0	46	42.6	0.0	3.9	0.0	0.0	0.0	3.9	0.0	502.7	0.0	PEACHGROVE ROAD
8203 - 10556	14 0	58	42.6	0.0	4.9	0.0	0.0	0.0	4.9	0.0	507.6	0.0	PEACHGROVE ROAD
10556 - 8240	14 0	143	42.6	0.0	12.1	0.0	0.0	0.0	12.1	0.0	519.7	0.0	PEACHGROVE ROAD
8240 - 3367	14 6	39	43.7	0.0	3.2	0.0	10.0	0.0	13.2	0.0	532.9	0.0	PEACHGROVE ROAD
3367 - 7454	14 0	77	43.4	0.0	6.4	0.0	0.5	0.0	6.9	0.0	539.8	0.0	PEACHGROVE ROAD
7454 - 5086	14 0	133	43.4	0.0	11.0	0.0	0.5	0.0	11.5	0.0	551.3	0.0	PEACHGROVE ROAD
5086 - 5085	14 0	95	43.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	559.2	0.0	PEACHGROVE ROAD
5085 - 5087	14 0	41	43.4	0.0	3.4	0.0	2.0	0.0	5.4	0.0	564.6	0.0	PEACHGROVE ROAD
5087 - 10647	14 0	160	43.3	0.0	13.3	0.0	0.0	0.0	13.3	0.0	577.9	0.0	PEACHGROVE ROAD
10647 - 5316	14 0	99	43.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	586.2	0.0	PEACHGROVE ROAD
5316 - 3055	14 0	83	43.3	0.0	6.9	0.0	1.0	0.0	7.9	0.0	594.1	0.0	PEACHGROVE ROAD
3055 - 5084	14 0	183	43.3	0.0	15.2	0.0	0.0	0.0	15.2	0.0	609.3	0.0	PEACHGROVE ROAD
5084 - 3058	14 0	182	43.6	0.0	15.0	0.0	0.0	0.0	15.0	0.0	624.3	0.0	PEACHGROVE ROAD
3058 - 8236	14 0	37	43.6	0.0	3.1	0.0	0.0	0.0	3.1	0.0	627.4	0.0	PEACHGROVE ROAD
8236 - 3057	14 7	31	43.6	0.0	2.6	0.0	41.0	0.0	43.6	0.0	670.9	0.0	PEACHGROVE ROAD
3057 - 8238	5 0	25	48.4	0.0	1.9	0.0	0.0	0.0	1.9	0.0	672.8	0.0	CLYDE STREET
8238 - 6724	5 0	94	48.4	0.0	7.0	0.0	0.0	0.0	7.0	0.0	679.8	0.0	CLYDE STREET
6724 - 7176	5 0	98	48.3	0.0	7.3	0.0	1.0	0.0	8.3	0.0	688.1	0.0	CLYDE STREET
7176 - 7448	5 0	141	48.6	0.0	10.4	0.0	0.0	0.0	10.4	0.0	698.5	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.6	0.0	10.3	0.0	0.0	0.0	10.3	0.0	708.8	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.6	0.0	19.2	0.0	0.0	0.0	19.2	0.0	728.0	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.6	0.0	14.1	0.0	12.0	0.0	26.1	0.0	754.1	0.0	CLYDE STREET
6681 - 6682	5 0	185	47.1	0.0	14.1	0.0	2.0	0.0	16.1	0.0	770.2	0.0	KNIGHTON ROAD
6682 - 3203	5 0	251	48.0	0.0	18.8	0.0	0.0	0.0	18.8	0.0	789.0	0.0	KNIGHTON ROAD
3203 - 3202	5 0	87	48.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	795.6	0.0	KNIGHTON ROAD
3202 - 7036	5 0	98	47.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	803.0	0.0	KNIGHTON ROAD
7036 - 7037	5 0	32	47.7	0.0	2.4	0.0	0.0	0.0	2.4	0.0	805.4	0.0	KNIGHTON ROAD
7037 - 7931	5 0	104	47.7	0.0	7.8	0.0	0.0	0.0	7.8	0.0	813.2	0.0	KNIGHTON ROAD
7931 - 7932	5 4	135	47.7	0.0	10.2	0.0	9.0	0.0	19.2	0.0	832.4	0.0	KNIGHTON ROAD
7932 - 7381	5 0	185	46.4	0.0	14.4	0.0	0.0	0.0	14.4	0.0	846.8	0.0	CAMBRIDGE ROAD
7381 - 3243	5 0	78	46.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	852.8	0.0	CAMBRIDGE ROAD
3243 - 3241	5 0	73	46.5	0.0	5.7	0.0	0.0	0.0	5.7	0.0	858.5	0.0	CAMBRIDGE ROAD
3241 - 7209	5 0	146	46.5	0.0	11.3	0.0	0.0	0.0	11.3	0.0	869.8	0.0	CAMBRIDGE ROAD
7209 - 5202	5 3	281	46.3	0.0	21.8	0.0	13.0	0.0	34.8	0.0	904.6	0.0	CAMBRIDGE ROAD
5202 - 5706	6 0	118	56.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	912.2	0.0	CAMBRIDGE ROAD
5706 - 3076	6 3	198	56.1	0.0	12.7	0.0	13.8	0.0	26.5	0.0	938.7	0.0	CAMBRIDGE ROAD

Modelled Totals	10347	39.7		795.4		143.3			938.7				
Observed Totals			0.0		0.0			0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 |
 | Gabites Porter |
Christchurch, N.Z.

Journey 3 Movement Analysis - times in seconds

HCC R2 - Hood St to Uni G1 EB

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
6712 - 7102	5 0	49	48.2	0.0	3.7	0.0	0.0	0.0	3.7	0.0	3.7	0.0	VICTORIA STREET
7102 - 10445	14 0	51	43.8	0.0	4.2	0.0	0.0	0.0	4.2	0.0	7.9	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	25.1	0.0	VICTORIA STREET
8235 - 8233	5 2	38	47.5	0.0	2.9	0.0	7.8	0.0	10.7	0.0	35.8	0.0	
8233 - 9824	5 0	258	42.7	0.0	21.8	0.0	0.0	0.0	21.8	0.0	57.5	0.0	
9824 - 3519	5 0	11	42.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	58.5	0.0	
3519 - 6711	5 0	76	40.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	65.3	0.0	BRIDGE STREET
6711 - 8230	5 0	52	41.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	69.8	0.0	BRIDGE STREET
8230 - 7494	5 7	30	45.3	0.0	2.4	0.0	20.2	0.0	22.6	0.0	92.4	0.0	BRIDGE STREET
7494 - 8228	5 0	100	44.6	0.0	8.1	0.0	0.0	0.0	8.1	0.0	100.5	0.0	GREY STREET
8228 - 7704	5 7	35	44.6	0.0	2.8	0.0	39.0	0.0	41.8	0.0	142.3	0.0	GREY STREET
7704 - 10596	5 0	123	46.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	151.8	0.0	CLYDE STREET
10596 - 7705	5 0	122	47.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	161.1	0.0	CLYDE STREET
7705 - 2662	5 0	35	46.8	0.0	2.7	0.0	0.0	0.0	2.7	0.0	163.8	0.0	CLYDE STREET
2662 - 6713	5 0	207	46.8	0.0	15.9	0.0	2.0	0.0	17.9	0.0	181.7	0.0	CLYDE STREET
6713 - 8237	5 0	131	46.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	191.8	0.0	CLYDE STREET
8237 - 3057	5 6	24	47.6	0.0	1.8	0.0	10.0	0.0	11.8	0.0	203.6	0.0	CLYDE STREET
3057 - 8238	5 0	25	48.4	0.0	1.9	0.0	0.0	0.0	1.9	0.0	205.5	0.0	CLYDE STREET
8238 - 6724	5 0	94	48.4	0.0	7.0	0.0	0.0	0.0	7.0	0.0	212.5	0.0	CLYDE STREET
6724 - 7176	5 0	98	48.3	0.0	7.3	0.0	1.0	0.0	8.3	0.0	220.8	0.0	CLYDE STREET
7176 - 7448	5 0	141	48.6	0.0	10.4	0.0	0.0	0.0	10.4	0.0	231.2	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.6	0.0	10.3	0.0	0.0	0.0	10.3	0.0	241.5	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.6	0.0	19.2	0.0	0.0	0.0	19.2	0.0	260.7	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.6	0.0	14.1	0.0	9.0	0.0	23.1	0.0	283.8	0.0	CLYDE STREET
6681 - 3045	5 0	54	48.5	0.0	4.0	0.0	0.0	0.0	4.0	0.0	287.8	0.0	KNIGHTON ROAD
3045 - 9810	5 0	220	48.4	0.0	16.4	0.0	0.0	0.0	16.4	0.0	304.2	0.0	KNIGHTON ROAD
Modelled Totals		2772	32.8		215.2		89.0		304.2				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                                     Cabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 4 Movement Analysis - times in seconds

HCC R2 - Uni G1 to Hood St WB

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
9810 - 3045	5 0	220	48.0	0.0	16.5	0.0	0.0	0.0	16.5	0.0	16.5	0.0	KNIGHTON ROAD
3045 - 6681	5 3	54	48.0	0.0	4.1	0.0	11.0	0.0	15.1	0.0	31.5	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.3	0.0	14.2	0.0	0.0	0.0	14.2	0.0	45.7	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.3	0.0	19.3	0.0	1.0	0.0	20.3	0.0	66.0	0.0	CLYDE STREET
4903 - 7448	5 0	139	47.6	0.0	10.5	0.0	1.0	0.0	11.5	0.0	77.5	0.0	CLYDE STREET
7448 - 7176	5 0	141	47.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	88.2	0.0	CLYDE STREET
7176 - 6724	5 0	98	47.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	95.6	0.0	CLYDE STREET
6724 - 8238	5 0	94	47.4	0.0	7.1	0.0	0.0	0.0	7.1	0.0	102.8	0.0	CLYDE STREET
8238 - 3057	5 6	25	47.4	0.0	1.9	0.0	5.0	0.0	6.9	0.0	109.7	0.0	CLYDE STREET
3057 - 8237	5 0	24	47.2	0.0	1.8	0.0	0.0	0.0	1.8	0.0	111.5	0.0	CLYDE STREET
8237 - 6713	5 0	131	47.2	0.0	10.0	0.0	1.0	0.0	11.0	0.0	122.5	0.0	CLYDE STREET
6713 - 2662	5 0	207	46.8	0.0	15.9	0.0	0.0	0.0	15.9	0.0	138.4	0.0	CLYDE STREET
2662 - 7705	5 0	35	46.8	0.0	2.7	0.0	0.0	0.0	2.7	0.0	141.1	0.0	CLYDE STREET
7705 - 10596	5 0	122	46.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	150.5	0.0	CLYDE STREET
10596 - 7704	5 6	123	46.8	0.0	9.5	0.0	38.0	0.0	47.5	0.0	197.9	0.0	CLYDE STREET
7704 - 8228	5 0	35	44.9	0.0	2.8	0.0	0.0	0.0	2.8	0.0	200.7	0.0	GREY STREET
8228 - 7494	5 6	100	44.9	0.0	8.0	0.0	13.0	0.0	21.0	0.0	221.8	0.0	GREY STREET
7494 - 8230	5 0	30	40.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	224.4	0.0	BRIDGE STREET
8230 - 6711	5 0	52	40.9	0.0	4.6	0.0	0.0	0.0	4.6	0.0	229.0	0.0	BRIDGE STREET
6711 - 3519	5 0	76	40.5	0.0	6.8	0.0	0.0	0.0	6.8	0.0	235.7	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	236.6	0.0	BRIDGE STREET
9824 - 8233	5 0	258	44.9	0.0	20.7	0.0	0.0	0.0	20.7	0.0	257.3	0.0	BRIDGE STREET
8233 - 2738	5 6	31	44.9	0.0	2.5	0.0	36.0	0.0	38.5	0.0	295.8	0.0	BRIDGE STREET
2738 - 8235	14 0	25	43.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0	297.9	0.0	VICTORIA STREET
8235 - 10445	14 0	210	43.0	0.0	17.6	0.0	0.0	0.0	17.6	0.0	315.5	0.0	VICTORIA STREET
10445 - 7102	14 0	51	44.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	319.6	0.0	VICTORIA STREET
7102 - 6712	5 6	49	49.1	0.0	3.6	0.0	21.8	0.0	25.4	0.0	345.0	0.0	VICTORIA STREET
Modelled Totals		2790	29.1		217.2		127.8		345.0				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 | Cabites Porter
 | | Christchurch, N.Z. |

Journey 5 Movement Analysis - times in seconds

HCC R3 - Anglesea St to Dominion/Avalon NB

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
3458 - 3457	5 3	23	48.8	0.0	1.7	0.0	10.0	0.0	11.7	0.0	11.7	0.0	ANGLESEA STREET
3457 - 3768	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	13.2	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	16.7	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	28.9	0.0	ANGLESEA STREET
7442 - 6685	5 0	82	48.5	0.0	6.1	0.0	0.0	0.0	6.1	0.0	35.0	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.6	0.0	1.5	0.0	23.0	0.0	24.5	0.0	59.6	0.0	ANGLESEA STREET
7072 - 8202	5 0	21	49.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	61.1	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	64.4	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	72.8	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.5	0.0	4.8	0.0	18.0	0.0	22.8	0.0	95.6	0.0	ANGLESEA STREET
7193 - 10461	5 0	54	49.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	99.5	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	104.3	0.0	ANGLESEA STREET
5382 - 2514	5 0	89	49.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	110.8	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	115.1	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.4	0.0	4.6	0.0	19.0	0.0	23.6	0.0	138.6	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.5	0.0	8.9	0.0	34.0	0.0	42.9	0.0	181.6	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	188.4	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.6	0.0	9.2	0.0	37.0	0.0	46.2	0.0	234.5	0.0	ANGLESEA STREET
6868 - 10717	4 0	106	39.7	0.0	9.6	0.0	0.0	0.0	9.6	0.0	244.2	0.0	LONDON STREET
10717 - 3125	4 6	136	39.7	0.0	12.3	0.0	33.0	0.0	45.3	0.0	289.5	0.0	LONDON STREET
3125 - 3126	4 0	56	39.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	294.6	0.0	NORTON ROAD
3126 - 3388	4 0	185	39.2	0.0	17.0	0.0	0.0	0.0	17.0	0.0	311.6	0.0	NORTON ROAD
3388 - 3382	4 3	59	39.2	0.0	5.4	0.0	4.0	0.0	9.4	0.0	321.0	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	327.3	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	338.9	0.0	NORTON ROAD
8243 - 3389	5 6	31	49.3	0.0	2.3	0.0	23.0	0.0	25.3	0.0	364.1	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	366.1	0.0	NORTON ROAD
8244 - 3381	5 0	69	48.9	0.0	5.1	0.0	0.0	0.0	5.1	0.0	371.2	0.0	NORTON ROAD
3381 - 3379	5 0	47	48.8	0.0	3.5	0.0	0.0	0.0	3.5	0.0	374.6	0.0	NORTON ROAD
3379 - 3380	5 7	13	48.8	0.0	1.0	0.0	39.0	0.0	40.0	0.0	414.6	0.0	NORTON ROAD
3380 - 8217	5 0	19	46.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	416.1	0.0	NORTON ROAD
8217 - 6750	5 0	24	46.9	0.0	1.8	0.0	0.0	0.0	1.8	0.0	417.9	0.0	NORTON ROAD
6750 - 7901	5 0	99	46.9	0.0	7.6	0.0	0.0	0.0	7.6	0.0	425.5	0.0	NORTON ROAD
7901 - 7902	5 0	89	46.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	432.3	0.0	NORTON ROAD
7902 - 7237	5 0	100	46.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	440.0	0.0	NORTON ROAD
7237 - 7905	5 0	31	46.9	0.0	2.4	0.0	0.0	0.0	2.4	0.0	442.4	0.0	NORTON ROAD
7905 - 7906	5 0	66	44.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	447.7	0.0	NORTON ROAD
7906 - 10649	5 0	40	44.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	450.9	0.0	NORTON ROAD
10649 - 6897	5 0	52	44.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	455.1	0.0	NORTON ROAD
6897 - 7914	5 0	24	44.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	457.0	0.0	NORTON ROAD
7914 - 7915	5 0	168	44.9	0.0	13.5	0.0	0.0	0.0	13.5	0.0	470.5	0.0	NORTON ROAD
7915 - 7231	5 0	39	44.9	0.0	3.1	0.0	0.0	0.0	3.1	0.0	473.6	0.0	NORTON ROAD
7231 - 8060	5 0	41	44.3	0.0	3.3	0.0	0.0	0.0	3.3	0.0	476.9	0.0	NORTON ROAD
8060 - 7880	5 0	81	44.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	483.5	0.0	NORTON ROAD
7880 - 4721	5 0	81	44.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	490.0	0.0	NORTON ROAD
4721 - 3456	5 3	337	44.6	0.0	27.2	0.0	16.0	0.0	43.2	0.0	533.2	0.0	NORTON ROAD
3456 - 8206	6 0	21	55.8	0.0	1.4	0.0	0.0	0.0	1.4	0.0	534.6	0.0	LINCOLN STREET
8206 - 3266	6 0	198	55.8	0.0	12.8	0.0	0.0	0.0	12.8	0.0	547.3	0.0	LINCOLN STREET
3266 - 3267	6 0	117	55.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	554.9	0.0	LINCOLN STREET
3267 - 3476	6 6	57	55.8	0.0	3.7	0.0	40.0	0.0	43.7	0.0	598.6	0.0	LINCOLN STREET
3476 - 10530	6 0	135	57.2	0.0	8.5	0.0	0.0	0.0	8.5	0.0	607.1	0.0	AVALON DRIVE
10530 - 2657	6 0	103	57.2	0.0	6.5	0.0	0.0	0.0	6.5	0.0	613.5	0.0	AVALON DRIVE
2657 - 10657	6 0	109	57.2	0.0	6.9	0.0	0.0	0.0	6.9	0.0	620.4	0.0	AVALON DRIVE
10657 - 4911	6 0	98	57.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	626.6	0.0	AVALON DRIVE
4911 - 6657	6 0	224	57.2	0.0	14.1	0.0	0.0	0.0	14.1	0.0	640.7	0.0	AVALON DRIVE
6657 - 2577	6 0	127	57.8	0.0	7.9	0.0	0.0	0.0	7.9	0.0	648.6	0.0	AVALON DRIVE
2577 - 6658	6 0	118	57.8	0.0	7.3	0.0	0.0	0.0	7.3	0.0	655.9	0.0	AVALON DRIVE
6658 - 6661	6 0	151	57.7	0.0	9.4	0.0	2.1	0.0	11.5	0.0	667.4	0.0	AVALON DRIVE
Modelled Totals		5010	27.0		369.3		298.1		667.4				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 |
 | Gabites Porter |
Christchurch, N.Z.

Journey 6 Movement Analysis - times in seconds

HCC R3 - Dominion/Avalon to Anglesea St SB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	Street Name
Link	Link	Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time
6661 - 6658	6 0	151	57.7	0.0	9.4	0.0	0.0	0.0	9.4	0.0	9.4	0.0	AVALON DRIVE
6658 - 2577	6 0	118	57.9	0.0	7.3	0.0	0.0	0.0	7.3	0.0	16.8	0.0	AVALON DRIVE
2577 - 6657	6 0	127	57.9	0.0	7.9	0.0	0.0	0.0	7.9	0.0	24.7	0.0	AVALON DRIVE
6657 - 4911	6 0	224	57.5	0.0	14.0	0.0	0.0	0.0	14.0	0.0	38.7	0.0	AVALON DRIVE
4911 - 10657	6 0	98	57.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	44.8	0.0	AVALON DRIVE
10657 - 2657	6 0	109	57.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	51.7	0.0	AVALON DRIVE
2657 - 10530	6 0	103	57.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	58.1	0.0	AVALON DRIVE
10530 - 3476	6 6	135	57.4	0.0	8.5	0.0	40.0	0.0	48.5	0.0	106.6	0.0	AVALON DRIVE
3476 - 3267	6 0	57	56.2	0.0	3.7	0.0	0.0	0.0	3.7	0.0	110.2	0.0	LINCOLN STREET
3267 - 3266	6 0	117	56.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	117.7	0.0	LINCOLN STREET
3266 - 8206	6 0	198	56.2	0.0	12.7	0.0	0.0	0.0	12.7	0.0	130.4	0.0	LINCOLN STREET
8206 - 3456	6 3	21	56.2	0.0	1.3	0.0	13.0	0.0	14.3	0.0	144.8	0.0	LINCOLN STREET
3456 - 4721	5 0	337	45.6	0.0	26.6	0.0	0.0	0.0	26.6	0.0	171.4	0.0	NORTON ROAD
4721 - 7880	5 0	81	45.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	177.8	0.0	NORTON ROAD
7880 - 8060	5 0	81	45.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	184.2	0.0	NORTON ROAD
8060 - 7231	5 0	41	45.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	187.4	0.0	NORTON ROAD
7231 - 7915	5 0	39	45.9	0.0	3.1	0.0	0.0	0.0	3.1	0.0	190.5	0.0	NORTON ROAD
7915 - 7914	5 0	168	45.9	0.0	13.2	0.0	0.0	0.0	13.2	0.0	203.7	0.0	NORTON ROAD
7914 - 6897	5 0	24	46.0	0.0	1.9	0.0	0.0	0.0	1.9	0.0	205.5	0.0	NORTON ROAD
6897 - 10649	5 0	52	46.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	209.6	0.0	NORTON ROAD
10649 - 7906	5 0	40	46.0	0.0	3.1	0.0	0.0	0.0	3.1	0.0	212.7	0.0	NORTON ROAD
7906 - 7905	5 0	66	45.9	0.0	5.2	0.0	0.0	0.0	5.2	0.0	217.9	0.0	NORTON ROAD
7905 - 7237	5 0	31	46.6	0.0	2.4	0.0	0.0	0.0	2.4	0.0	220.3	0.0	NORTON ROAD
7237 - 7902	5 0	100	46.6	0.0	7.7	0.0	0.0	0.0	7.7	0.0	228.0	0.0	NORTON ROAD
7902 - 7901	5 0	89	46.6	0.0	6.9	0.0	0.0	0.0	6.9	0.0	234.9	0.0	NORTON ROAD
7901 - 6750	5 0	99	46.6	0.0	7.6	0.0	0.0	0.0	7.6	0.0	242.6	0.0	NORTON ROAD
6750 - 8217	5 0	24	46.6	0.0	1.9	0.0	0.0	0.0	1.9	0.0	244.4	0.0	NORTON ROAD
8217 - 3380	5 7	19	49.3	0.0	1.4	0.0	39.1	0.0	40.5	0.0	284.9	0.0	NORTON ROAD
3380 - 3379	5 0	13	49.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	285.9	0.0	NORTON ROAD
3379 - 3381	5 0	47	49.0	0.0	3.5	0.0	0.0	0.0	3.5	0.0	289.3	0.0	NORTON ROAD
3381 - 8244	5 0	69	49.0	0.0	5.1	0.0	0.0	0.0	5.1	0.0	294.4	0.0	NORTON ROAD
8244 - 3389	5 6	27	49.0	0.0	2.0	0.0	24.0	0.0	26.0	0.0	320.4	0.0	NORTON ROAD
3389 - 8243	5 0	31	49.2	0.0	2.3	0.0	0.0	0.0	2.3	0.0	322.6	0.0	NORTON ROAD
8243 - 3386	5 0	159	49.1	0.0	11.7	0.0	0.0	0.0	11.7	0.0	334.3	0.0	NORTON ROAD
3386 - 3382	4 3	68	39.2	0.0	6.2	0.0	5.0	0.0	11.2	0.0	345.5	0.0	NORTON ROAD
3382 - 3388	4 0	59	39.4	0.0	5.4	0.0	0.0	0.0	5.4	0.0	350.9	0.0	NORTON ROAD
3388 - 3126	4 0	185	39.4	0.0	16.9	0.0	0.0	0.0	16.9	0.0	367.8	0.0	NORTON ROAD
3126 - 3125	4 6	56	39.4	0.0	5.1	0.0	33.0	0.0	38.1	0.0	405.9	0.0	NORTON ROAD
3125 - 10717	4 0	136	39.9	0.0	12.3	0.0	0.0	0.0	12.3	0.0	418.2	0.0	LONDON STREET
10717 - 6868	4 6	106	39.9	0.0	9.6	0.0	36.0	0.0	45.6	0.0	463.8	0.0	LONDON STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	473.0	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	53.9	0.0	6.9	0.0	35.0	0.0	41.9	0.0	514.9	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	49.2	0.0	9.0	0.0	19.0	0.0	28.0	0.0	542.9	0.0	ANGLESEA STREET
5384 - 5383	5 0	63	49.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	547.5	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	551.7	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	558.2	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	563.0	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.5	0.0	3.9	0.0	18.0	0.0	21.9	0.0	585.0	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	589.8	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	598.2	0.0	ANGLESEA STREET
2513 - 8202	5 0	46	49.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	601.5	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.6	0.0	1.5	0.0	23.0	0.0	24.5	0.0	626.0	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	627.6	0.0	ANGLESEA STREET
6685 - 7442	5 0	82	49.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	633.6	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	49.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	645.8	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	649.3	0.0	ANGLESEA STREET
3768 - 3457	5 3	21	49.1	0.0	1.5	0.0	10.0	0.0	11.5	0.0	660.8	0.0	ANGLESEA STREET
3457 - 3458	5 0	23	48.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	662.5	0.0	ANGLESEA STREET
Modelled Totals		5010	27.2		367.4		295.1		662.5				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 | Cabites Porter |
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Journey 7 Movement Analysis - times in seconds

HCC R4_5 - Whatawhata/Newcastle to Wairere/Sandringham EB

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
7165 - 3412	6 0	87	58.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	5.4	0.0	
3412 - 3413	6 0	342	58.2	0.0	21.2	0.0	1.0	0.0	22.2	0.0	27.5	0.0	WHATAWHATA ROAD
3413 - 6610	6 0	62	58.2	0.0	3.8	0.0	2.0	0.0	5.8	0.0	33.4	0.0	WHATAWHATA ROAD
6610 - 6644	6 0	152	57.9	0.0	9.5	0.0	0.0	0.0	9.5	0.0	42.8	0.0	WHATAWHATA ROAD
6644 - 10654	6 0	67	57.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	47.0	0.0	
10654 - 3747	6 0	51	57.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	50.1	0.0	
3747 - 5380	6 0	163	57.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	60.3	0.0	SH 23
5380 - 2582	6 0	192	57.8	0.0	12.0	0.0	0.0	0.0	12.0	0.0	72.2	0.0	WHATAWHATA ROAD
2582 - 3408	6 0	162	57.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	82.3	0.0	WHATAWHATA ROAD
3408 - 3400	6 3	13	57.9	0.0	0.8	0.0	12.0	0.0	12.8	0.0	95.1	0.0	WHATAWHATA ROAD
3400 - 3459	6 0	70	56.2	0.0	4.5	0.0	0.0	0.0	4.5	0.0	99.6	0.0	RIFLE RANGE ROAD
3459 - 3402	6 0	27	56.5	0.0	1.7	0.0	3.0	0.0	4.7	0.0	104.3	0.0	SH 23
3402 - 3399	6 0	24	59.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	105.8	0.0	SH 23
3399 - 3270	5 0	87	49.2	0.0	6.4	0.0	0.0	0.0	6.4	0.0	112.2	0.0	SH 23
3270 - 7525	5 0	297	49.2	0.0	21.7	0.0	0.0	0.0	21.7	0.0	133.9	0.0	MASSEY STREET
7525 - 7524	5 0	123	49.2	0.0	9.0	0.0	0.0	0.0	9.0	0.0	142.9	0.0	MASSEY STREET
7524 - 7997	5 0	61	48.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	147.4	0.0	MASSEY STREET
7997 - 8095	5 0	142	48.8	0.0	10.5	0.0	0.0	0.0	10.5	0.0	157.9	0.0	MASSEY STREET
8095 - 7881	5 0	101	48.8	0.0	7.5	0.0	0.0	0.0	7.5	0.0	165.3	0.0	MASSEY STREET
7881 - 6875	5 0	75	48.8	0.0	5.5	0.0	0.0	0.0	5.5	0.0	170.8	0.0	MASSEY STREET
6875 - 4294	5 0	40	48.7	0.0	3.0	0.0	0.0	0.0	3.0	0.0	173.8	0.0	MASSEY STREET
4294 - 6853	5 0	75	48.7	0.0	5.5	0.0	0.0	0.0	5.5	0.0	179.3	0.0	MASSEY STREET
6853 - 3376	5 6	113	49.3	0.0	8.3	0.0	40.0	0.0	48.3	0.0	227.6	0.0	SH 23
3376 - 8209	5 0	18	49.1	0.0	1.3	0.0	2.2	0.0	3.5	0.0	231.1	0.0	MASSEY HALL OVERBRIDGE
8209 - 8889	5 0	51	48.2	0.0	3.8	0.0	0.0	0.0	3.8	0.0	234.9	0.0	MASSEY HALL OVERBRIDGE
8889 - 6664	5 0	263	46.0	0.0	20.6	0.0	0.0	0.0	20.6	0.0	255.5	0.0	MASSEY HALL OVERBRIDGE
6664 - 6665	5 6	57	47.9	0.0	4.3	0.0	9.0	0.0	13.3	0.0	268.8	0.0	MASSEY HALL OVERBRIDGE
6665 - 10492	5 0	86	48.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	275.2	0.0	HALL STREET
10492 - 6869	5 0	14	47.9	0.0	1.1	0.0	0.0	0.0	1.1	0.0	276.3	0.0	HALL STREET
6869 - 6662	5 6	81	47.9	0.0	6.1	0.0	4.0	0.0	10.1	0.0	286.4	0.0	HALL STREET
6662 - 8216	5 0	228	49.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	303.0	0.0	HALL STREET
8216 - 3380	5 6	17	49.3	0.0	1.2	0.0	40.0	0.0	41.2	0.0	344.3	0.0	HALL STREET
3380 - 8215	5 0	16	49.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	345.4	0.0	MILL STREET
8215 - 3378	5 0	282	47.9	0.0	21.2	0.0	0.0	0.0	21.2	0.0	366.6	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	380.4	0.0	MILL STREET
8220 - 3472	5 6	35	47.8	0.0	2.6	0.0	3.0	0.0	5.6	0.0	386.1	0.0	MILL STREET
3472 - 8218	5 0	36	47.8	0.0	2.7	0.0	0.0	0.0	2.7	0.0	388.8	0.0	MILL STREET
8218 - 3469	5 6	79	47.8	0.0	5.9	0.0	35.0	0.0	40.9	0.0	429.7	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	431.1	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	438.3	0.0	MILL STREET
3470 - 3129	15 6	122	53.3	0.0	8.2	0.0	22.0	0.0	30.2	0.0	468.6	0.0	MILL STREET
3129 - 4951	15 6	164	53.4	0.0	11.1	0.0	18.0	0.0	29.1	0.0	497.6	0.0	MILL STREET
4951 - 8249	5 0	24	47.4	0.0	1.8	0.0	0.0	0.0	1.8	0.0	499.5	0.0	BOUNDARY ROAD
8249 - 3953	5 0	36	47.4	0.0	2.7	0.0	0.0	0.0	2.7	0.0	502.2	0.0	BOUNDARY ROAD
3953 - 6739	5 0	413	47.4	0.0	31.4	0.0	0.0	0.0	31.4	0.0	533.6	0.0	BOUNDARY ROAD
6739 - 6736	5 0	159	45.4	0.0	12.6	0.0	0.0	0.0	12.6	0.0	546.2	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	556.2	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	581.2	0.0	BOUNDARY ROAD
3012 - 3013	5 0	500	47.4	0.0	38.0	0.0	0.0	0.0	38.0	0.0	619.2	0.0	BOUNDARY ROAD
3013 - 3439	5 3	314	47.5	0.0	23.8	0.0	10.0	0.0	33.8	0.0	653.0	0.0	BOUNDARY ROAD
3439 - 3438	5 0	104	48.1	0.0	7.8	0.0	0.0	0.0	7.8	0.0	660.7	0.0	FIFTH AVENUE
3438 - 6694	5 0	343	48.2	0.0	25.6	0.0	2.0	0.0	27.6	0.0	688.4	0.0	FIFTH AVENUE
6694 - 7732	5 0	138	48.0	0.0	10.4	0.0	2.0	0.0	12.4	0.0	700.7	0.0	FIFTH AVENUE
7732 - 4781	5 0	175	48.5	0.0	13.0	0.0	0.0	0.0	13.0	0.0	713.7	0.0	FIFTH AVENUE
4781 - 7729	5 0	143	49.7	0.0	10.4	0.0	0.0	0.0	10.4	0.0	724.1	0.0	TRAMWAY ROAD
7729 - 6931	5 0	211	49.9	0.0	15.2	0.0	5.8	0.0	21.0	0.0	745.1	0.0	TRAMWAY ROAD
Modelled Totals		7277	35.2		525.1		220.0		745.1				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 |
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Journey 8 Movement Analysis - times in seconds

HCC R4_5 - Wairere/Sandringham to Whatawhata/Newcastle WB

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
6931 - 7729	5 0	211	49.9	0.0	15.2	0.0	1.0	0.0	16.2	0.0	16.2	0.0	TRAMWAY ROAD
7729 - 4781	5 4	143	49.9	0.0	10.3	0.0	10.5	0.0	20.8	0.0	37.0	0.0	TRAMWAY ROAD
4781 - 7732	5 0	175	48.1	0.0	13.1	0.0	2.0	0.0	15.1	0.0	52.1	0.0	FIFTH AVENUE
7732 - 6694	5 0	138	47.7	0.0	10.4	0.0	1.0	0.0	11.4	0.0	63.6	0.0	FIFTH AVENUE
6694 - 3438	5 0	343	47.7	0.0	25.9	0.0	0.0	0.0	25.9	0.0	89.4	0.0	FIFTH AVENUE
3438 - 3439	5 3	104	47.6	0.0	7.9	0.0	12.0	0.0	19.9	0.0	109.3	0.0	FIFTH AVENUE
3439 - 3013	5 0	314	47.2	0.0	23.9	0.0	0.0	0.0	23.9	0.0	133.3	0.0	BOUNDARY ROAD
3013 - 3012	5 3	500	47.2	0.0	38.1	0.0	11.0	0.0	49.1	0.0	182.4	0.0	BOUNDARY ROAD
3012 - 7928	5 0	204	45.3	0.0	16.2	0.0	0.0	0.0	16.2	0.0	198.6	0.0	BOUNDARY ROAD
7928 - 6736	5 0	127	45.3	0.0	10.1	0.0	0.0	0.0	10.1	0.0	208.7	0.0	BOUNDARY ROAD
6736 - 6739	5 0	159	44.7	0.0	12.8	0.0	0.0	0.0	12.8	0.0	221.5	0.0	BOUNDARY ROAD
6739 - 3953	5 0	413	44.2	0.0	33.6	0.0	0.0	0.0	33.6	0.0	255.1	0.0	BOUNDARY ROAD
3953 - 8249	5 0	36	44.2	0.0	2.9	0.0	0.0	0.0	2.9	0.0	258.1	0.0	BOUNDARY ROAD
8249 - 4951	5 6	24	45.6	0.0	1.9	0.0	44.0	0.0	45.9	0.0	304.0	0.0	BOUNDARY ROAD
4951 - 3129	15 6	164	53.1	0.0	11.1	0.0	9.0	0.0	20.1	0.0	324.1	0.0	MILL STREET
3129 - 3470	15 0	122	52.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	332.5	0.0	MILL STREET
3470 - 8221	15 0	107	52.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	339.9	0.0	MILL STREET
8221 - 3469	15 6	21	52.7	0.0	1.4	0.0	10.0	0.0	11.4	0.0	351.3	0.0	MILL STREET
3469 - 8218	5 0	79	47.1	0.0	6.0	0.0	0.0	0.0	6.0	0.0	357.3	0.0	MILL STREET
8218 - 3472	5 6	36	47.8	0.0	2.7	0.0	3.6	0.0	6.3	0.0	363.7	0.0	MILL STREET
3472 - 8220	5 0	35	47.8	0.0	2.6	0.0	0.0	0.0	2.6	0.0	366.3	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	380.2	0.0	MILL STREET
3378 - 8215	5 0	282	47.5	0.0	21.4	0.0	0.0	0.0	21.4	0.0	401.6	0.0	MILL STREET
8215 - 3380	5 6	16	47.5	0.0	1.2	0.0	12.0	0.0	13.2	0.0	414.8	0.0	MILL STREET
3380 - 8216	5 0	17	48.7	0.0	1.3	0.0	0.0	0.0	1.3	0.0	416.1	0.0	HALL STREET
8216 - 6662	5 6	228	48.7	0.0	16.9	0.0	9.0	0.0	25.9	0.0	441.9	0.0	HALL STREET
6662 - 6869	5 0	81	48.3	0.0	6.0	0.0	0.0	0.0	6.0	0.0	448.0	0.0	HALL STREET
6869 - 10492	5 0	14	48.3	0.0	1.0	0.0	0.0	0.0	1.0	0.0	449.0	0.0	HALL STREET
10492 - 6665	5 6	86	48.3	0.0	6.4	0.0	2.0	0.0	8.4	0.0	457.4	0.0	HALL STREET
6665 - 6664	5 0	57	48.1	0.0	4.3	0.0	2.4	0.0	6.7	0.0	464.1	0.0	MASSEY HALL OVERBRIDG
6664 - 8889	5 0	263	46.4	0.0	20.4	0.0	0.0	0.0	20.4	0.0	484.5	0.0	MASSEY HALL OVERBRIDG
8889 - 8209	5 0	51	48.0	0.0	3.8	0.0	0.0	0.0	3.8	0.0	488.3	0.0	MASSEY HALL OVERBRIDG
8209 - 3376	5 6	18	49.0	0.0	1.3	0.0	58.0	0.0	59.3	0.0	547.6	0.0	MASSEY HALL OVERBRIDG
3376 - 6853	5 0	113	49.0	0.0	8.3	0.0	0.0	0.0	8.3	0.0	555.9	0.0	SH 23
6853 - 4294	5 0	75	48.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	561.6	0.0	MASSEY STREET
4294 - 6875	5 0	40	48.0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	564.6	0.0	MASSEY STREET
6875 - 7881	5 0	75	48.0	0.0	5.6	0.0	0.0	0.0	5.6	0.0	570.2	0.0	MASSEY STREET
7881 - 8095	5 0	101	48.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	577.7	0.0	MASSEY STREET
8095 - 7997	5 0	142	47.9	0.0	10.7	0.0	0.0	0.0	10.7	0.0	588.4	0.0	MASSEY STREET
7997 - 7524	5 0	61	47.9	0.0	4.6	0.0	0.0	0.0	4.6	0.0	593.0	0.0	MASSEY STREET
7524 - 7525	5 0	123	48.3	0.0	9.2	0.0	0.0	0.0	9.2	0.0	602.2	0.0	MASSEY STREET
7525 - 3270	5 0	297	48.3	0.0	22.1	0.0	0.0	0.0	22.1	0.0	624.3	0.0	MASSEY STREET
3270 - 3399	5 0	87	48.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	630.8	0.0	SH 23
3399 - 3402	6 0	24	57.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	632.3	0.0	SH 23
3402 - 3459	6 0	27	56.2	0.0	1.7	0.0	0.0	0.0	1.7	0.0	634.0	0.0	SH 23
3459 - 3400	6 3	70	56.2	0.0	4.5	0.0	15.0	0.0	19.5	0.0	653.5	0.0	RIFLE RANGE ROAD
3400 - 3408	6 0	13	57.8	0.0	0.8	0.0	0.0	0.0	0.8	0.0	654.3	0.0	WHATAWHATA ROAD
3408 - 2582	6 0	162	57.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	664.4	0.0	WHATAWHATA ROAD
2582 - 5380	6 0	192	57.7	0.0	12.0	0.0	0.0	0.0	12.0	0.0	676.4	0.0	WHATAWHATA ROAD
5380 - 3747	6 0	163	57.9	0.0	10.1	0.0	0.0	0.0	10.1	0.0	686.5	0.0	SH 23
3747 - 10654	6 0	51	57.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	689.7	0.0	
10654 - 6644	6 0	67	57.9	0.0	4.2	0.0	0.0	0.0	4.2	0.0	693.9	0.0	
6644 - 6610	6 0	152	57.9	0.0	9.5	0.0	1.0	0.0	10.5	0.0	704.3	0.0	WHATAWHATA ROAD
6610 - 3413	6 0	62	58.2	0.0	3.8	0.0	2.0	0.0	5.8	0.0	710.1	0.0	WHATAWHATA ROAD
3413 - 3412	6 0	342	58.2	0.0	21.2	0.0	0.0	0.0	21.2	0.0	731.3	0.0	WHATAWHATA ROAD
3412 - 7165	6 0	87	58.2	0.0	5.4	0.0	2.9	0.0	8.3	0.0	739.6	0.0	
Modelled Totals		7277	35.4		531.2		208.4		739.6				
Observed Totals				0.0		0.0		0.0		0.0			

TRACKS - 20-OCT-14 @ 0
Cabites Porter
Christchurch, N.Z.

Journey 9 Movement Analysis - times in seconds

WRTM R1 - Cambridge/Riverlea to Church/TeRapa NB

Table with columns: Link, Types, Dist, Mdl, Obs, Mdl, Obs, Mdl, Obs, Accum, Accum, Street Name. It lists various road segments and their associated travel times and distances.

5486 - 3480	15	7	23	53.9	0.0	1.5	0.0	43.0	0.0	44.5	0.0	1252.8	0.0	GREAT SOUTH ROAD
3480 - 5265	15	0	24	52.4	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1254.5	0.0	GREAT SOUTH ROAD
5265 - 3488	15	0	152	51.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1265.1	0.0	GREAT SOUTH ROAD
3488 - 3514	15	0	163	51.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1276.5	0.0	GREAT SOUTH ROAD
3514 - 5874	15	0	173	51.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1288.6	0.0	GREAT SOUTH ROAD
5874 - 3501	15	7	7	53.9	0.0	0.5	0.0	40.0	0.0	40.5	0.0	1329.0	0.0	GREAT SOUTH ROAD
3501 - 5806	15	0	8	53.9	0.0	0.5	0.0	0.0	0.0	0.5	0.0	1329.6	0.0	GREAT SOUTH ROAD
5806 - 3513	15	0	60	53.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	1333.6	0.0	GREAT SOUTH ROAD
3513 - 3511	15	0	344	53.6	0.0	23.1	0.0	0.0	0.0	23.1	0.0	1356.7	0.0	GREAT SOUTH ROAD
3511 - 3504	15	3	118	53.6	0.0	7.9	0.0	12.2	0.0	20.1	0.0	1376.8	0.0	GREAT SOUTH ROAD
Modelled Totals	13221	34.6				831.5		545.3		1376.8				
Observed Totals					0.0			0.0		0.0			0.0	

 | TRACKS - 20-OCT-14 @ 0 |
 |
 | Cabites Porter |
Christchurch, N.Z.

Journey 10 Movement Analysis - times in seconds

WRTM R1 - Church/TeRapa to Cambridge/Riverlea SB

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	treet Name
3504 - 3511	15 0	118	53.9	0.0	7.9	0.0	0.0	0.0	7.9	0.0	7.9	0.0	GREAT SOUTH ROAD
3511 - 3513	15 0	344	53.9	0.0	23.0	0.0	0.0	0.0	23.0	0.0	30.9	0.0	GREAT SOUTH ROAD
3513 - 5806	15 0	60	53.8	0.0	4.0	0.0	0.0	0.0	4.0	0.0	34.9	0.0	GREAT SOUTH ROAD
5806 - 3501	15 7	8	54.5	0.0	0.5	0.0	37.0	0.0	37.5	0.0	72.4	0.0	GREAT SOUTH ROAD
3501 - 5874	15 0	7	52.1	0.0	0.5	0.0	0.0	0.0	0.5	0.0	72.9	0.0	GREAT SOUTH ROAD
5874 - 3514	15 0	173	52.1	0.0	12.0	0.0	0.0	0.0	12.0	0.0	84.8	0.0	GREAT SOUTH ROAD
3514 - 3488	15 0	163	52.1	0.0	11.3	0.0	0.0	0.0	11.3	0.0	96.1	0.0	GREAT SOUTH ROAD
3488 - 5265	15 0	152	52.1	0.0	10.5	0.0	0.0	0.0	10.5	0.0	106.6	0.0	GREAT SOUTH ROAD
5265 - 3480	15 7	24	53.3	0.0	1.6	0.0	45.0	0.0	46.6	0.0	153.2	0.0	GREAT SOUTH ROAD
3480 - 5486	15 0	23	53.7	0.0	1.5	0.0	0.0	0.0	1.5	0.0	154.8	0.0	GREAT SOUTH ROAD
5486 - 3486	15 0	229	53.4	0.0	15.4	0.0	0.0	0.0	15.4	0.0	170.2	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	210.0	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	234.4	0.0	TE RAPA ROAD
6864 - 6673	6 3	428	58.1	0.0	26.5	0.0	12.0	0.0	38.5	0.0	272.9	0.0	TE RAPA ROAD
6673 - 10672	6 0	178	57.5	0.0	11.1	0.0	0.0	0.0	11.1	0.0	284.1	0.0	TE RAPA ROAD
10672 - 6674	6 0	86	57.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	289.5	0.0	TE RAPA ROAD
6674 - 6863	6 0	156	57.5	0.0	9.8	0.0	0.0	0.0	9.8	0.0	299.2	0.0	TE RAPA ROAD
6863 - 3327	6 0	91	57.5	0.0	5.7	0.0	0.0	0.0	5.7	0.0	304.9	0.0	TE RAPA ROAD
3327 - 3330	6 6	183	58.3	0.0	11.3	0.0	42.0	0.0	53.3	0.0	358.2	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	365.0	0.0	TE RAPA ROAD
3260 - 3364	6 7	195	58.1	0.0	12.1	0.0	33.0	0.0	45.1	0.0	410.1	0.0	TE RAPA ROAD
3364 - 6865	6 0	148	58.0	0.0	9.2	0.0	0.0	0.0	9.2	0.0	419.2	0.0	TE RAPA ROAD
6865 - 7076	6 0	81	58.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	424.3	0.0	TE RAPA ROAD
7076 - 5111	6 0	86	57.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	429.6	0.0	TE RAPA ROAD
5111 - 10668	6 0	73	57.6	0.0	4.6	0.0	0.0	0.0	4.6	0.0	434.2	0.0	TE RAPA ROAD
10668 - 6726	6 0	169	57.6	0.0	10.6	0.0	0.0	0.0	10.6	0.0	444.7	0.0	TE RAPA ROAD
6726 - 4990	6 0	93	57.4	0.0	5.8	0.0	0.0	0.0	5.8	0.0	450.6	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	460.4	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	464.8	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	471.4	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	509.0	0.0	TE RAPA ROAD
6670 - 8225	6 0	29	58.5	0.0	1.8	0.0	0.0	0.0	1.8	0.0	510.8	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	527.8	0.0	ULSTER STREET
6669 - 4760	6 0	171	58.5	0.0	10.5	0.0	0.0	0.0	10.5	0.0	538.3	0.0	ULSTER STREET
4760 - 4759	6 0	511	58.4	0.0	31.5	0.0	0.0	0.0	31.5	0.0	569.8	0.0	ULSTER STREET
4759 - 6920	6 0	36	58.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	572.1	0.0	ULSTER STREET
6920 - 6921	6 0	205	58.4	0.0	12.6	0.0	0.0	0.0	12.6	0.0	584.7	0.0	ULSTER STREET
6921 - 10509	5 0	101	48.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	592.3	0.0	ULSTER STREET
10509 - 3129	5 7	146	48.1	0.0	10.9	0.0	34.0	0.0	44.9	0.0	637.2	0.0	ULSTER STREET
3129 - 3470	15 0	122	52.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	645.6	0.0	MILL STREET
3470 - 8221	15 0	107	52.2	0.0	7.4	0.0	0.0	0.0	7.4	0.0	653.0	0.0	MILL STREET
8221 - 3471	15 2	24	54.1	0.0	1.6	0.0	3.4	0.0	5.0	0.0	658.0	0.0	MILL STREET
3471 - 3131	15 0	172	53.5	0.0	11.6	0.0	0.0	0.0	11.6	0.0	669.6	0.0	WILLOUGHBY STREET
3131 - 3758	15 0	12	53.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	670.4	0.0	WILLOUGHBY STREET
3758 - 10467	15 0	29	53.3	0.0	2.0	0.0	0.0	0.0	2.0	0.0	672.3	0.0	ANGLESEA STREET
10467 - 3757	15 7	207	53.3	0.0	14.0	0.0	15.0	0.0	29.0	0.0	701.3	0.0	ANGLESEA STREET
3757 - 10466	15 0	116	53.5	0.0	7.8	0.0	0.0	0.0	7.8	0.0	709.1	0.0	ANGLESEA STREET
10466 - 6868	15 7	127	53.6	0.0	8.5	0.0	17.0	0.0	25.5	0.0	734.6	0.0	ANGLESEA STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	743.9	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	53.9	0.0	6.9	0.0	35.0	0.0	41.9	0.0	785.8	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	49.2	0.0	9.0	0.0	19.0	0.0	28.0	0.0	813.8	0.0	ANGLESEA STREET
5384 - 5383	5 0	63	49.4	0.0	4.6	0.0	0.0	0.0	4.6	0.0	818.4	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.4	0.0	4.2	0.0	0.0	0.0	4.2	0.0	822.6	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	829.1	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	833.9	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.5	0.0	3.9	0.0	18.0	0.0	21.9	0.0	855.8	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	860.6	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	869.0	0.0	ANGLESEA STREET
2513 - 8202	5 0	46	49.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	872.4	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.6	0.0	1.5	0.0	23.0	0.0	24.5	0.0	896.9	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	898.4	0.0	ANGLESEA STREET
6685 - 7442	5 0	82	49.2	0.0	6.0	0.0	0.0	0.0	6.0	0.0	904.4	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	49.3	0.0	12.3	0.0	0.0	0.0	12.3	0.0	916.7	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	920.1	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	934.7	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	939.0	0.0	COBHAM DRIVE
8195 - 8194	5 2	127	47.0	0.0	9.7	0.0	6.6	0.0	16.3	0.0	955.3	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	957.0	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	978.7	0.0	COBHAM DRIVE
3672 - 10483	7 0	264	67.3	0.0	14.1	0.0	0.0	0.0	14.1	0.0	992.8	0.0	COBHAM DRIVE
10483 - 3677	7 0	298	67.3	0.0	15.9	0.0	0.0	0.0	15.9	0.0	1008.8	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	67.3	0.0	7.0	0.0	11.0	0.0	18.0	0.0	1026.8	0.0	COBHAM DRIVE
3676 - 3674	5 0	29	46.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1029.0	0.0	COBHAM DRIVE
3674 - 3673	5 0	49	46.4	0.0	3.8	0.0	3.2	0.0	7.0	0.0	1036.0	0.0	COBHAM DRIVE
3673 - 3099	5 0	50	40.1	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1040.5	0.0	COBHAM DRIVE
3099 - 3509	5 0	429	40.1	0.0	38.5	0.0	0.0	0.0	38.5	0.0	1079.1	0.0	COBHAM DRIVE
3509 - 3670	5 0	204	40.1	0.0	18.3	0.0	0.0	0.0	18.3	0.0	1097.4	0.0	COBHAM BRIDGE
3670 - 3436	8 0	395	77.5	0.0	18.3	0.0	0.0	0.0	18.3	0.0	1115.7	0.0	SH 1
3436 - 3552	8 0	99	77.5	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1120.3	0.0	COBHAM DRIVE
3552 - 3435	8 0	41	77.1	0.0	1.9	0.0	0.0	0.0	1.9	0.0	1122.2	0.0	COBHAM DRIVE
3435 - 3555	8 0	171	77.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1130.2	0.0	COBHAM DRIVE
3555 - 10642	8 0	119	77.1	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1135.8	0.0	COBHAM DRIVE
10642 - 3420	8 3	129	77.1	0.0	6.0	0.0	15.0	0.0	21.0	0.0	1156.8	0.0	COBHAM DRIVE
3420 - 3421	8 0	236	77.6	0.0	10.9	0.0	0.0	0.0	10.9	0.0	1167.7	0.0	COBHAM DRIVE
3421 - 4897	8 0	667	77.6	0.0	30.9	0.0	0.0	0.0	30.9	0.0	1198.7	0.0	COBHAM DRIVE
4897 - 10699	6 0	160	57.3	0.0	10.1	0.0	0.0	0.0	10.1	0.0	1208.7	0.0	COBHAM DRIVE
10699 - 5143	6 0	136	57.3	0.0	8.5	0.0	0.0	0.0	8.5	0.0	1217.3	0.0	COBHAM DRIVE
5143 - 5140	6 0	121	57.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1224.9	0.0	COBHAM DRIVE
5140 - 5202	6 3	26	57.3	0.0	1.6	0.0	16.0	0.0	17.6	0.0	1242.5	0.0	COBHAM DRIVE

5202 - 5706	6 0	118	56.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1250.1	0.0	CAMBRIDGE ROAD
5706 - 3076	6 3	198	56.1	0.0	12.7	0.0	14.0	0.0	26.7	0.0	1276.8	0.0	CAMBRIDGE ROAD
3076 - 3072	6 0	124	57.0	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1284.6	0.0	CAMBRIDGE ROAD
3072 - 10700	6 0	153	57.0	0.0	9.7	0.0	3.1	0.0	12.8	0.0	1297.4	0.0	CAMBRIDGE ROAD
10700 - 4157	6 0	84	53.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1303.0	0.0	CAMBRIDGE ROAD
4157 - 3587	6 0	145	54.1	0.0	9.6	0.0	0.0	0.0	9.6	0.0	1312.6	0.0	CAMBRIDGE ROAD
3587 - 3586	7 0	80	65.6	0.0	4.4	0.0	0.4	0.0	4.8	0.0	1317.4	0.0	CAMBRIDGE ROAD
Modelled Totals		13174	36.0		832.7		484.7		1317.4				
Observed Totals				0.0		0.0		0.0		0.0			

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+-----+-----+
| TRACKS - 20-OCT-14 @ 0                               Gabites Porter
|                                                       Christchurch, N.Z.
+-----+-----+

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Journey 11 Movement Analysis - times in seconds

WRTM R2 - Ohaupo/Lorne to Galloway/Cobham EB

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
5535 - 8248	5 4	27	46.1	0.0	2.1	0.0	19.5	0.0	21.6	0.0	21.6	0.0	
8248 - 2531	6 0	68	57.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	25.9	0.0	SH 1
2531 - 4514	6 0	57	54.2	0.0	3.8	0.0	0.0	0.0	3.8	0.0	29.7	0.0	SH 1
4514 - 6683	6 0	108	54.7	0.0	7.1	0.0	0.0	0.0	7.1	0.0	36.8	0.0	KAHIKATEA DRIVE
6683 - 5351	7 0	181	65.7	0.0	9.9	0.0	0.0	0.0	9.9	0.0	46.7	0.0	KAHIKATEA DRIVE
5351 - 5251	7 0	88	65.7	0.0	4.8	0.0	0.0	0.0	4.8	0.0	51.5	0.0	KAHIKATEA DRIVE
5251 - 5253	7 0	58	65.7	0.0	3.2	0.0	0.0	0.0	3.2	0.0	54.7	0.0	KAHIKATEA DRIVE
5253 - 3683	7 0	68	65.7	0.0	3.7	0.0	0.0	0.0	3.7	0.0	58.4	0.0	KAHIKATEA DRIVE
3683 - 10639	7 0	64	65.7	0.0	3.5	0.0	0.0	0.0	3.5	0.0	61.9	0.0	KAHIKATEA DRIVE
10639 - 5323	7 0	118	65.7	0.0	6.5	0.0	0.0	0.0	6.5	0.0	68.4	0.0	KAHIKATEA DRIVE
5323 - 4709	7 0	235	65.6	0.0	12.9	0.0	0.0	0.0	12.9	0.0	81.3	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	97.4	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	110.0	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	114.6	0.0	KAHIKATEA DRIVE
5194 - 6938	7 0	80	65.6	0.0	4.4	0.0	2.0	0.0	6.4	0.0	121.0	0.0	KAHIKATEA DRIVE
6938 - 3917	7 0	117	65.5	0.0	6.4	0.0	0.0	0.0	6.4	0.0	127.4	0.0	KAHIKATEA DRIVE
3917 - 3177	8 0	321	75.7	0.0	15.3	0.0	0.0	0.0	15.3	0.0	142.7	0.0	GREENWOOD STREET
3177 - 10650	8 0	417	75.8	0.0	19.8	0.0	0.0	0.0	19.8	0.0	162.5	0.0	GREENWOOD STREET
10650 - 4758	8 0	239	75.8	0.0	11.4	0.0	0.0	0.0	11.4	0.0	173.9	0.0	GREENWOOD STREET
4758 - 5960	8 0	150	77.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	180.8	0.0	GREENWOOD STREET
5960 - 4757	8 7	8	78.6	0.0	0.4	0.0	33.0	0.0	33.4	0.0	214.2	0.0	GREENWOOD STREET
4757 - 8815	8 0	11	78.4	0.0	0.5	0.0	0.0	0.0	0.5	0.0	214.7	0.0	GREENWOOD STREET
8815 - 3377	8 0	331	78.2	0.0	15.2	0.0	0.0	0.0	15.2	0.0	229.9	0.0	GREENWOOD STREET
3377 - 8210	8 0	299	78.1	0.0	13.8	0.0	0.0	0.0	13.8	0.0	243.7	0.0	GREENWOOD STREET
8210 - 3376	5 6	18	47.3	0.0	1.4	0.0	16.0	0.0	17.4	0.0	261.0	0.0	GREENWOOD STREET
3376 - 8211	5 0	16	47.5	0.0	1.2	0.0	0.0	0.0	1.2	0.0	262.3	0.0	LINCOLN STREET
8211 - 4755	7 0	37	68.2	0.0	2.0	0.0	0.0	0.0	2.0	0.0	264.2	0.0	LINCOLN STREET
4755 - 4756	8 0	69	78.2	0.0	3.2	0.0	0.0	0.0	3.2	0.0	267.4	0.0	LINCOLN STREET
4756 - 10496	8 0	102	76.6	0.0	4.8	0.0	0.0	0.0	4.8	0.0	272.2	0.0	LINCOLN STREET
10496 - 4988	8 0	175	76.6	0.0	8.2	0.0	0.0	0.0	8.2	0.0	280.4	0.0	LINCOLN STREET
4988 - 8207	8 0	115	76.6	0.0	5.4	0.0	0.0	0.0	5.4	0.0	285.8	0.0	LINCOLN STREET
8207 - 10497	8 0	78	76.6	0.0	3.7	0.0	0.0	0.0	3.7	0.0	289.5	0.0	LINCOLN STREET
10497 - 3455	8 0	226	76.6	0.0	10.6	0.0	0.0	0.0	10.6	0.0	300.1	0.0	LINCOLN STREET
3455 - 3456	8 3	117	76.6	0.0	5.5	0.0	23.0	0.0	28.5	0.0	328.6	0.0	LINCOLN STREET
3456 - 5538	8 3	1982	75.6	0.0	94.4	0.0	0.0	0.0	112.4	0.0	441.0	0.0	AVALON DRIVE BYPASS
5538 - 10660	8 0	132	77.0	0.0	6.2	0.0	0.0	0.0	6.2	0.0	447.2	0.0	SH 1
10660 - 2518	8 0	110	77.0	0.0	5.1	0.0	0.0	0.0	5.1	0.0	452.3	0.0	SH 1
2518 - 10664	8 0	530	77.0	0.0	24.8	0.0	0.0	0.0	24.8	0.0	477.1	0.0	AVALON DRIVE
10664 - 3285	8 6	195	77.0	0.0	9.1	0.0	26.0	0.0	35.1	0.0	512.2	0.0	AVALON DRIVE
3285 - 10428	8 0	149	77.4	0.0	6.9	0.0	0.0	0.0	6.9	0.0	519.1	0.0	AVALON DRIVE
10428 - 5113	8 0	491	77.4	0.0	22.8	0.0	0.0	0.0	22.8	0.0	542.0	0.0	AVALON DRIVE
5113 - 7498	8 0	178	78.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	550.1	0.0	AVALON DRIVE
7498 - 6311	8 7	17	78.8	0.0	0.8	0.0	14.9	0.0	15.7	0.0	565.8	0.0	AVALON DRIVE
6311 - 6276	7 6	94	68.2	0.0	5.0	0.0	22.0	0.0	27.0	0.0	592.8	0.0	WAIRERE DRIVE
6276 - 8147	7 0	80	68.2	0.0	4.2	0.0	2.6	0.0	6.8	0.0	599.6	0.0	WAIRERE DRIVE
8147 - 7706	7 0	40	66.7	0.0	2.2	0.0	0.0	0.0	2.2	0.0	601.8	0.0	WAIRERE DRIVE
7706 - 3483	7 0	586	66.7	0.0	31.6	0.0	0.0	0.0	31.6	0.0	633.4	0.0	WAIRERE DRIVE
3483 - 5479	8 0	99	78.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	637.9	0.0	WAIRERE DRIVE
5479 - 5478	8 0	32	79.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	639.4	0.0	WAIRERE DRIVE
5478 - 3480	8 6	20	79.0	0.0	0.9	0.0	51.0	0.0	51.9	0.0	691.3	0.0	WAIRERE DRIVE
3480 - 5472	8 0	19	79.3	0.0	0.9	0.0	0.0	0.0	0.9	0.0	692.2	0.0	WAIRERE DRIVE
5472 - 3487	8 0	178	78.2	0.0	8.2	0.0	0.0	0.0	8.2	0.0	700.4	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	704.7	0.0	WAIRERE DRIVE
3648 - 5261	8 0	50	77.8	0.0	2.3	0.0	0.0	0.0	2.3	0.0	707.0	0.0	WAIRERE DRIVE
5261 - 5203	8 0	34	78.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	708.6	0.0	WAIRERE DRIVE
5203 - 3644	8 6	25	78.0	0.0	1.2	0.0	36.0	0.0	37.2	0.0	745.7	0.0	WAIRERE DRIVE
3644 - 5162	8 0	22	77.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	746.7	0.0	WAIRERE DRIVE
5162 - 3939	8 0	85	76.6	0.0	4.0	0.0	0.0	0.0	4.0	0.0	750.7	0.0	WAIRERE DRIVE
3939 - 10675	8 0	546	76.6	0.0	25.7	0.0	0.0	0.0	25.7	0.0	776.4	0.0	WAIRERE DRIVE
10675 - 8291	8 0	533	76.6	0.0	25.0	0.0	4.0	0.0	29.0	0.0	805.4	0.0	WAIRERE DRIVE
8291 - 3652	8 0	229	70.5	0.0	11.7	0.0	0.0	0.0	11.7	0.0	817.1	0.0	WAIRERE DRIVE
3652 - 8293	8 0	105	76.6	0.0	4.9	0.0	0.0	0.0	4.9	0.0	822.1	0.0	WAIRERE DRIVE
8293 - 3526	8 6	12	77.5	0.0	0.6	0.0	47.0	0.0	47.6	0.0	869.6	0.0	WAIRERE DRIVE
3526 - 8315	8 0	12	78.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	870.2	0.0	WAIRERE DRIVE
8315 - 3502	8 4	551	75.4	0.0	26.3	0.0	14.1	0.0	40.4	0.0	910.6	0.0	WAIRERE DRIVE
3502 - 3503	6 0	65	56.9	0.0	4.1	0.0	0.0	0.0	4.1	0.0	914.7	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	918.6	0.0	-- no name --
3505 - 3543	8 0	133	77.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	924.8	0.0	WAIRERE DRIVE
3543 - 3563	8 0	1004	77.2	0.0	46.8	0.0	0.0	0.0	46.8	0.0	971.6	0.0	WAIRERE DRIVE
3563 - 3558	7 3	112	68.4	0.0	5.9	0.0	17.0	0.0	22.9	0.0	994.5	0.0	WAIRERE DRIVE
3558 - 3562	5 0	95	47.6	0.0	7.2	0.0	2.6	0.0	9.8	0.0	1004.3	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	45.4	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1008.7	0.0	HUKANUI ROAD
4783 - 7279	5 0	78	46.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1014.8	0.0	HUKANUI ROAD
7279 - 7278	5 0	114	46.2	0.0	8.9	0.0	0.0	0.0	8.9	0.0	1023.6	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	47.0	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1042.3	0.0	HUKANUI ROAD
7144 - 6963	5 0	47	47.0	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1045.9	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	47.0	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1050.1	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.7	0.0	23.7	0.0	0.0	0.0	23.7	0.0	1073.7	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	1084.8	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.6	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1089.2	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.7	0.0	28.1	0.0	0.0	0.0	28.1	0.0	1117.4	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	1120.2	0.0	HUKANUI ROAD
6870 - 7140	5 0	98	46.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1127.8	0.0	HUKANUI ROAD
7140 - 7137	5 0	263	46.7	0.0	20.3	0.0	0.0	0.0	20.3	0.0	1148.0	0.0	HUKANUI ROAD
7137 - 3710	5 0	343	46.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1174.4	0.0	HUKANUI ROAD
3710 - 6691	5 3	127	46.6	0.0	9.8	0.0	9.0	0.0	18.8	0.0	1193.2	0.0	HUKANUI ROAD
6691 - 6693	14 0	98	42.1	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1201.6	0.0	PEACHGROVE ROAD
6693 - 4151	14 0	132	42.1	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1212.9	0.0	PEACHGROVE ROAD
4151 - 4998	14 0	261	42.2	0.0	22.3	0.0	0.0	0.0	22.3	0.0	1235.2	0.0	PEACHGROVE ROAD



4998 - 6760	14	0	138	42.1	0.0	11.8	0.0	0.0	0.0	11.8	0.0	1247.0	0.0	PEACHGROVE ROAD
6760 - 5197	14	0	199	42.2	0.0	17.0	0.0	2.0	0.0	19.0	0.0	1265.9	0.0	PEACHGROVE ROAD
5197 - 4975	14	0	180	42.2	0.0	15.4	0.0	0.9	0.0	16.3	0.0	1282.2	0.0	PEACHGROVE ROAD
4975 - 6862	14	0	59	42.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1287.2	0.0	PEACHGROVE ROAD
6862 - 4927	14	0	54	42.0	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1291.9	0.0	PEACHGROVE ROAD
4927 - 3437	14	0	139	42.0	0.0	11.9	0.0	0.0	0.0	11.9	0.0	1303.8	0.0	PEACHGROVE ROAD
3437 - 3439	14	3	18	42.0	0.0	1.5	0.0	9.0	0.0	10.5	0.0	1314.3	0.0	PEACHGROVE ROAD
3439 - 3007	14	0	135	42.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1325.7	0.0	PEACHGROVE ROAD
3007 - 6925	14	0	127	42.7	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1336.5	0.0	PEACHGROVE ROAD
6925 - 4107	14	0	307	42.6	0.0	25.9	0.0	0.0	0.0	25.9	0.0	1362.4	0.0	PEACHGROVE ROAD
4107 - 5318	14	0	113	42.6	0.0	9.5	0.0	1.0	0.0	10.5	0.0	1372.9	0.0	PEACHGROVE ROAD
5318 - 8205	14	0	86	42.6	0.0	7.3	0.0	0.0	0.0	7.3	0.0	1380.2	0.0	PEACHGROVE ROAD
8205 - 8203	14	0	46	42.6	0.0	3.9	0.0	0.0	0.0	3.9	0.0	1384.1	0.0	PEACHGROVE ROAD
8203 - 10556	14	0	58	42.6	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1389.0	0.0	PEACHGROVE ROAD
10556 - 8240	14	0	143	42.6	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1401.1	0.0	PEACHGROVE ROAD
8240 - 3367	14	6	39	43.7	0.0	3.2	0.0	10.0	0.0	13.2	0.0	1414.3	0.0	PEACHGROVE ROAD
3367 - 7454	14	0	77	43.4	0.0	6.4	0.0	0.5	0.0	6.9	0.0	1421.2	0.0	PEACHGROVE ROAD
7454 - 5086	14	0	133	43.4	0.0	11.0	0.0	0.5	0.0	11.5	0.0	1432.7	0.0	PEACHGROVE ROAD
5086 - 5085	14	0	95	43.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	1440.6	0.0	PEACHGROVE ROAD
5085 - 5087	14	0	41	43.4	0.0	3.4	0.0	2.0	0.0	5.4	0.0	1446.0	0.0	PEACHGROVE ROAD
5087 - 10647	14	0	160	43.3	0.0	13.3	0.0	0.0	0.0	13.3	0.0	1459.3	0.0	PEACHGROVE ROAD
10647 - 5316	14	0	99	43.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1467.5	0.0	PEACHGROVE ROAD
5316 - 3055	14	0	83	43.3	0.0	6.9	0.0	1.0	0.0	7.9	0.0	1475.4	0.0	PEACHGROVE ROAD
3055 - 5084	14	0	183	43.3	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1490.7	0.0	PEACHGROVE ROAD
5084 - 3058	14	0	182	43.6	0.0	15.0	0.0	0.0	0.0	15.0	0.0	1505.7	0.0	PEACHGROVE ROAD
3058 - 8236	14	0	37	43.6	0.0	3.1	0.0	0.0	0.0	3.1	0.0	1508.7	0.0	PEACHGROVE ROAD
8236 - 3057	14	7	31	43.6	0.0	2.6	0.0	40.0	0.0	42.6	0.0	1551.3	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	1553.4	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	1572.7	0.0	GALLOWAY STREET
6723 - 10644	14	0	98	43.2	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1580.9	0.0	GALLOWAY STREET
10644 - 6722	14	0	106	43.4	0.0	8.8	0.0	0.0	0.0	8.8	0.0	1589.7	0.0	GALLOWAY STREET
6722 - 5120	14	0	92	43.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1597.3	0.0	GALLOWAY STREET
5120 - 5119	14	0	32	43.4	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1600.0	0.0	GALLOWAY STREET
5119 - 5121	14	0	121	43.5	0.0	10.0	0.0	0.0	0.0	10.0	0.0	1610.0	0.0	GALLOWAY STREET
5121 - 7895	14	0	155	43.5	0.0	12.8	0.0	0.0	0.0	12.8	0.0	1622.8	0.0	GALLOWAY STREET
7895 - 7894	14	7	91	43.5	0.0	7.5	0.0	18.0	0.0	25.5	0.0	1648.3	0.0	GALLOWAY STREET
7894 - 7897	14	0	240	44.2	0.0	19.5	0.0	1.0	0.0	20.5	0.0	1668.9	0.0	GALLOWAY STREET
7897 - 8676	14	0	128	43.8	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1679.4	0.0	GALLOWAY STREET
8676 - 3420	14	3	112	43.8	0.0	9.2	0.0	17.5	0.0	26.7	0.0	1706.1	0.0	GALLOWAY STREET
Modelled Totals	20524	43.3		1245.0		461.1		1706.1						
Observed Totals			0.0		0.0		0.0		0.0		0.0			

TRACKS - 20-OCT-14 @ 0	Cabites Porter Christchurch, N.Z.
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Journey 12 Movement Analysis - times in seconds

WRTM R2 - Galloway/Cobham to Ohaupo/Lorne WB

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	treet 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	44.6	0.0	19.4	0.0	17.0	0.0	36.4	0.0	57.1	0.0	GALLOWAY STREET
7894 - 7895	14 0	91	44.1	0.0	7.4	0.0	0.0	0.0	7.4	0.0	64.5	0.0	GALLOWAY STREET
7895 - 5121	14 0	155	44.1	0.0	12.7	0.0	0.0	0.0	12.7	0.0	77.2	0.0	GALLOWAY STREET
5121 - 5119	14 0	121	44.1	0.0	9.9	0.0	0.0	0.0	9.9	0.0	87.1	0.0	GALLOWAY STREET
5119 - 5120	14 0	32	44.0	0.0	2.6	0.0	0.0	0.0	2.6	0.0	89.7	0.0	GALLOWAY STREET
5120 - 6722	14 0	92	43.9	0.0	7.5	0.0	1.0	0.0	8.5	0.0	98.2	0.0	GALLOWAY STREET
6722 - 10644	14 0	106	43.9	0.0	8.7	0.0	0.0	0.0	8.7	0.0	106.9	0.0	GALLOWAY STREET
10644 - 6723	14 0	98	43.8	0.0	8.1	0.0	1.0	0.0	9.1	0.0	116.0	0.0	GALLOWAY STREET
6723 - 8239	14 0	232	44.1	0.0	18.9	0.0	0.0	0.0	18.9	0.0	134.9	0.0	GALLOWAY STREET
8239 - 3057	14 7	26	44.1	0.0	2.1	0.0	41.0	0.0	43.1	0.0	178.0	0.0	GALLOWAY STREET
3057 - 8236	14 0	31	43.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	180.6	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	42.9	0.0	3.1	0.0	0.0	0.0	3.1	0.0	183.7	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	42.9	0.0	15.3	0.0	0.0	0.0	15.3	0.0	199.0	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	42.7	0.0	15.4	0.0	1.0	0.0	16.4	0.0	215.4	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.8	0.0	7.0	0.0	0.7	0.0	7.7	0.0	223.1	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	231.4	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.8	0.0	13.5	0.0	1.0	0.0	14.5	0.0	245.8	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	43.2	0.0	3.4	0.0	0.6	0.0	4.0	0.0	249.9	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	43.2	0.0	7.9	0.0	0.0	0.0	7.9	0.0	257.8	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	43.2	0.0	11.1	0.0	0.0	0.0	11.1	0.0	268.9	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	43.2	0.0	6.4	0.0	10.0	0.0	16.4	0.0	285.3	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	42.4	0.0	3.3	0.0	0.0	0.0	3.3	0.0	288.6	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	42.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	300.7	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	305.6	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	309.5	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	42.5	0.0	7.3	0.0	1.0	0.0	8.3	0.0	317.8	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	42.6	0.0	9.5	0.0	0.0	0.0	9.5	0.0	327.4	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	42.6	0.0	25.9	0.0	1.0	0.0	26.9	0.0	354.3	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	365.1	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	42.4	0.0	11.5	0.0	9.0	0.0	20.5	0.0	385.5	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	42.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	387.0	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	42.3	0.0	11.8	0.0	1.0	0.0	12.8	0.0	399.9	0.0	PEACHGROVE ROAD
4927 - 6862	14 0	54	42.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	404.5	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.5	0.0	5.0	0.0	1.0	0.0	6.0	0.0	410.5	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.5	0.0	15.2	0.0	1.0	0.0	16.2	0.0	426.7	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.5	0.0	16.9	0.0	0.0	0.0	16.9	0.0	443.6	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.4	0.0	11.7	0.0	1.0	0.0	12.7	0.0	456.3	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.6	0.0	22.1	0.0	0.0	0.0	22.1	0.0	478.3	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.5	0.0	11.2	0.0	0.0	0.0	11.2	0.0	489.5	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.5	0.0	8.3	0.0	9.0	0.0	17.3	0.0	506.8	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	47.1	0.0	9.7	0.0	0.0	0.0	9.7	0.0	516.5	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	47.2	0.0	26.2	0.0	0.0	0.0	26.2	0.0	542.7	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	47.1	0.0	20.1	0.0	0.0	0.0	20.1	0.0	562.8	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	47.1	0.0	7.5	0.0	0.0	0.0	7.5	0.0	570.3	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.3	0.0	2.8	0.0	0.0	0.0	2.8	0.0	573.1	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.3	0.0	27.8	0.0	0.0	0.0	27.8	0.0	600.9	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	47.1	0.0	4.4	0.0	0.0	0.0	4.4	0.0	605.2	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	47.0	0.0	11.0	0.0	0.0	0.0	11.0	0.0	616.2	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	47.4	0.0	23.3	0.0	0.0	0.0	23.3	0.0	639.5	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	47.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	643.7	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	47.5	0.0	3.6	0.0	0.0	0.0	3.6	0.0	647.2	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	47.5	0.0	18.4	0.0	0.0	0.0	18.4	0.0	665.7	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	46.9	0.0	8.8	0.0	0.0	0.0	8.8	0.0	674.4	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	46.9	0.0	6.0	0.0	0.0	0.0	6.0	0.0	680.4	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	45.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	684.7	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	47.8	0.0	7.2	0.0	12.0	0.0	19.2	0.0	703.9	0.0	HUKANUI ROAD
3558 - 3563	7 0	112	68.1	0.0	5.9	0.0	2.7	0.0	8.6	0.0	712.5	0.0	WAIRERE DRIVE
3563 - 3543	8 0	1004	76.4	0.0	47.3	0.0	0.0	0.0	47.3	0.0	759.8	0.0	WAIRERE DRIVE
3543 - 3505	8 4	133	76.4	0.0	6.3	0.0	12.8	0.0	19.1	0.0	778.9	0.0	WAIRERE DRIVE
3505 - 3502	6 0	67	57.3	0.0	4.2	0.0	2.0	0.0	6.2	0.0	785.1	0.0	-- no name --
3502 - 8315	8 0	551	76.1	0.0	26.1	0.0	0.0	0.0	26.1	0.0	811.2	0.0	WAIRERE DRIVE
8315 - 3526	8 6	12	78.1	0.0	0.6	0.0	46.0	0.0	46.6	0.0	857.7	0.0	WAIRERE DRIVE
3526 - 8293	8 0	12	77.6	0.0	0.6	0.0	0.0	0.0	0.6	0.0	858.3	0.0	WAIRERE DRIVE
8293 - 3652	8 0	105	76.9	0.0	4.9	0.0	3.7	0.0	8.6	0.0	866.9	0.0	WAIRERE DRIVE
3652 - 8291	8 0	229	73.4	0.0	11.2	0.0	0.0	0.0	11.2	0.0	878.1	0.0	WAIRERE DRIVE
8291 - 10675	8 0	533	76.9	0.0	25.0	0.0	0.0	0.0	25.0	0.0	903.1	0.0	WAIRERE DRIVE
10675 - 3939	8 0	546	76.9	0.0	25.6	0.0	0.0	0.0	25.6	0.0	928.6	0.0	WAIRERE DRIVE
3939 - 5162	8 0	85	76.9	0.0	4.0	0.0	0.0	0.0	4.0	0.0	932.6	0.0	WAIRERE DRIVE
5162 - 3644	8 6	22	78.1	0.0	1.0	0.0	35.0	0.0	36.0	0.0	968.6	0.0	WAIRERE DRIVE
3644 - 5203	8 0	25	78.2	0.0	1.2	0.0	0.0	0.0	1.2	0.0	969.8	0.0	WAIRERE DRIVE
5203 - 5261	8 0	34	78.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	971.3	0.0	WAIRERE DRIVE
5261 - 3648	8 0	50	78.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	973.6	0.0	WAIRERE DRIVE
3648 - 3487	8 0	93	78.0	0.0	4.3	0.0	0.0	0.0	4.3	0.0	977.9	0.0	WAIRERE DRIVE
3487 - 5472	8 0	178	77.7	0.0	8.2	0.0	0.0	0.0	8.2	0.0	986.2	0.0	WAIRERE DRIVE
5472 - 3480	8 6	19	78.0	0.0	0.9	0.0	51.0	0.0	51.9	0.0	1038.1	0.0	WAIRERE DRIVE
3480 - 5478	8 0	20	78.6	0.0	0.9	0.0	0.0	0.0	0.9	0.0	1039.0	0.0	WAIRERE DRIVE
5478 - 5479	8 0	32	78.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1040.5	0.0	WAIRERE DRIVE
5479 - 3483	8 0	99	78.3	0.0	4.6	0.0	2.6	0.0	7.2	0.0	1047.6	0.0	WAIRERE DRIVE
3483 - 7706	7 0	586	66.7	0.0	31.6	0.0	0.0	0.0	31.6	0.0	1079.2	0.0	WAIRERE DRIVE
7706 - 7636	7 4	126	66.7	0.0	6.8	0.0	13.2	0.0	20.0	0.0	1099.2	0.0	WAIRERE DRIVE
7636 - 5113	8 2	190	76.7	0.0	8.9	0.0	8.9	0.0	17.8	0.0	1117.1	0.0	AVALON DRIVE
5113 - 10428	8 0	491	77.4	0.0	22.8	0.0	0.0	0.0	22.8	0.0	1139.9	0.0	AVALON DRIVE
10428 - 3285	8 6	149	77.4	0.0	6.9	0.0	38.0	0.0	44.9	0.0	1184.8	0.0	AVALON DRIVE
3285 - 10664	8 0	195	77.1	0.0	9.1	0.0	0.0	0.0	9.1	0.0	1193.9	0.0	AVALON DRIVE
10664 - 2518	8 0	530	77.1	0.0	24.7	0.0	0.0	0.0	24.7	0.0	1218.7	0.0	AVALON DRIVE
2518 - 10660	8 0	110	77.1	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1223.8	0.0	SH 1
10660 - 5538	8 3	132	77.1	0.0	6.2	0.0	15.0	0.0	21.2	0.0	1245.0	0.0	SH 1

5538 - 3456	8 3	1982	75.8	0.0	94.1	0.0	18.0	0.0	112.1	0.0	1357.1	0.0	AVALON DRIVE BYPASS
3456 - 3455	8 0	117	77.9	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1362.5	0.0	LINCOLN STREET
3455 - 10497	8 0	226	77.9	0.0	10.4	0.0	0.0	0.0	10.4	0.0	1373.0	0.0	LINCOLN STREET
10497 - 8207	8 0	78	77.9	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1376.6	0.0	LINCOLN STREET
8207 - 4988	8 0	115	77.9	0.0	5.3	0.0	2.0	0.0	7.3	0.0	1383.9	0.0	LINCOLN STREET
4988 - 10496	8 0	175	77.9	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1392.0	0.0	LINCOLN STREET
10496 - 4756	8 0	102	77.9	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1396.7	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	1399.9	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	1401.8	0.0	LINCOLN STREET
8211 - 3376	5 6	16	48.1	0.0	1.2	0.0	15.0	0.0	16.2	0.0	1418.0	0.0	LINCOLN STREET
3376 - 8210	5 0	18	48.2	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1419.4	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	1433.2	0.0	GREENWOOD STREET
3377 - 8815	8 0	331	78.2	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1448.4	0.0	GREENWOOD STREET
8815 - 4757	8 7	11	78.4	0.0	0.5	0.0	33.0	0.0	33.5	0.0	1481.9	0.0	GREENWOOD STREET
4757 - 5960	8 0	8	78.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	1482.3	0.0	GREENWOOD STREET
5960 - 4758	8 0	150	78.0	0.0	6.9	0.0	2.8	0.0	9.7	0.0	1492.0	0.0	GREENWOOD STREET
4758 - 10650	8 0	239	76.1	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1503.3	0.0	GREENWOOD STREET
10650 - 3177	8 0	417	76.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	1523.0	0.0	GREENWOOD STREET
3177 - 3917	8 0	321	75.9	0.0	15.2	0.0	0.0	0.0	15.2	0.0	1538.2	0.0	GREENWOOD STREET
3917 - 6938	7 0	117	65.7	0.0	6.4	0.0	0.0	0.0	6.4	0.0	1544.7	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	1551.0	0.0	KAHIKATEA DRIVE
5194 - 4793	7 0	84	65.8	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1555.6	0.0	KAHIKATEA DRIVE
4793 - 3175	7 0	230	65.8	0.0	12.6	0.0	3.2	0.0	15.8	0.0	1571.4	0.0	SH 1
3175 - 4709	7 0	293	65.8	0.0	16.0	0.0	2.0	0.0	18.0	0.0	1589.4	0.0	SH 1
4709 - 5323	7 0	235	65.8	0.0	12.9	0.0	2.0	0.0	14.9	0.0	1604.3	0.0	KAHIKATEA DRIVE
5323 - 10639	7 0	118	65.8	0.0	6.5	0.0	0.0	0.0	6.5	0.0	1610.8	0.0	KAHIKATEA DRIVE
10639 - 3683	7 0	64	65.8	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1614.3	0.0	KAHIKATEA DRIVE
3683 - 5253	7 0	68	65.8	0.0	3.7	0.0	0.0	0.0	3.7	0.0	1618.0	0.0	KAHIKATEA DRIVE
5253 - 5251	7 0	58	65.8	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1621.1	0.0	KAHIKATEA DRIVE
5251 - 5351	7 0	88	65.8	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1626.0	0.0	KAHIKATEA DRIVE
5351 - 6683	7 0	181	65.8	0.0	9.9	0.0	0.0	0.0	9.9	0.0	1635.9	0.0	KAHIKATEA DRIVE
6683 - 4514	6 0	108	54.8	0.0	7.1	0.0	0.0	0.0	7.1	0.0	1643.0	0.0	KAHIKATEA DRIVE
4514 - 2531	6 0	57	54.6	0.0	3.8	0.0	0.0	0.0	3.8	0.0	1646.7	0.0	SH 1
2531 - 8248	6 0	68	57.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1651.0	0.0	SH 1
8248 - 4393	6 6	22	57.4	0.0	1.4	0.0	18.1	0.0	19.5	0.0	1670.5	0.0	SH 1
Modelled Totals		20365	43.9		1231.2		439.3		1670.5				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 |
 | Cabites Porter |
Christchurch, N.Z.

Journey 13 Movement Analysis - times in seconds

WRTM R4_5 - Tomin/Ohaupo to Richmond/Ulster NB

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	57.1	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	22.0	0.0	34.3	0.0	39.3	0.0	OHAUPO ROAD
2667 - 2665	6 0	71	56.5	0.0	4.5	0.0	0.0	0.0	4.5	0.0	43.9	0.0	SH 3
2665 - 7301	6 0	139	56.6	0.0	8.8	0.0	0.0	0.0	8.8	0.0	52.7	0.0	SH 3
7301 - 7078	6 0	85	56.6	0.0	5.4	0.0	0.0	0.0	5.4	0.0	58.1	0.0	SH3
7078 - 10636	6 0	81	56.6	0.0	5.2	0.0	0.0	0.0	5.2	0.0	63.3	0.0	SH 3
10636 - 3095	6 0	83	56.6	0.0	5.3	0.0	0.0	0.0	5.3	0.0	68.5	0.0	SH 3
3095 - 2663	15 0	102	51.8	0.0	7.1	0.0	0.0	0.0	7.1	0.0	75.6	0.0	SH 3
2663 - 3143	15 0	99	51.8	0.0	6.9	0.0	0.0	0.0	6.9	0.0	82.5	0.0	OHAUPO ROAD
3143 - 3770	15 3	38	51.8	0.0	2.6	0.0	12.0	0.0	14.6	0.0	97.2	0.0	SH 3
3770 - 7007	15 0	40	53.8	0.0	2.7	0.0	0.0	0.0	2.7	0.0	99.8	0.0	NORMANDY AVENUE
7007 - 4233	15 0	285	53.8	0.0	19.1	0.0	0.0	0.0	19.1	0.0	118.9	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	125.1	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	130.6	0.0	NORMANDY AVENUE
2646 - 2647	15 6	42	53.7	0.0	2.8	0.0	4.0	0.0	6.8	0.0	137.4	0.0	NORMANDY AVENUE
2647 - 4847	15 0	14	53.3	0.0	0.9	0.0	0.0	0.0	0.9	0.0	138.4	0.0	NORMANDY AVENUE
4847 - 8214	15 0	95	53.3	0.0	6.4	0.0	0.0	0.0	6.4	0.0	144.8	0.0	NORMANDY AVENUE
8214 - 4754	15 7	18	53.3	0.0	1.2	0.0	54.0	0.0	55.2	0.0	200.0	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	201.4	0.0	NORMANDY AVENUE
8212 - 3679	15 0	313	52.3	0.0	21.5	0.0	0.0	0.0	21.5	0.0	223.0	0.0	NORMANDY AVENUE
3679 - 5646	15 0	85	52.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	228.8	0.0	NORMANDY AVENUE
5646 - 9799	15 2	187	52.7	0.0	12.8	0.0	6.0	0.0	18.8	0.0	247.6	0.0	COBHAM DRIVE
9799 - 10483	7 0	217	67.9	0.0	11.5	0.0	0.0	0.0	11.5	0.0	259.1	0.0	COBHAM DRIVE
10483 - 3672	7 0	264	67.9	0.0	14.0	0.0	0.0	0.0	14.0	0.0	273.1	0.0	COBHAM DRIVE
3672 - 3936	7 0	408	67.9	0.0	21.6	0.0	0.0	0.0	21.6	0.0	294.7	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	52.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	296.3	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	52.7	0.0	4.0	0.0	9.0	0.0	13.0	0.0	309.3	0.0	COBHAM DRIVE
3370 - 3397	15 0	155	52.3	0.0	10.7	0.0	0.0	0.0	10.7	0.0	320.0	0.0	TRISTRAM STREET
3397 - 4766	15 3	231	52.3	0.0	15.9	0.0	11.0	0.0	26.9	0.0	346.9	0.0	TRISTRAM STREET
4766 - 3631	5 0	186	45.7	0.0	14.7	0.0	0.0	0.0	14.7	0.0	361.5	0.0	TRISTRAM STREET
3631 - 3390	5 3	52	45.7	0.0	4.1	0.0	9.0	0.0	13.1	0.0	374.6	0.0	TRISTRAM STREET
3390 - 3060	5 0	86	45.9	0.0	6.7	0.0	0.0	0.0	6.7	0.0	381.4	0.0	TRISTRAM STREET
3060 - 10473	5 0	27	45.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	383.5	0.0	TRISTRAM STREET
10473 - 3059	5 0	21	45.9	0.0	1.6	0.0	0.0	0.0	1.6	0.0	385.1	0.0	TRISTRAM STREET
3059 - 6684	5 0	62	45.9	0.0	4.9	0.0	0.0	0.0	4.9	0.0	390.0	0.0	TRISTRAM STREET
6684 - 7222	4 0	85	36.3	0.0	8.4	0.0	0.0	0.0	8.4	0.0	398.4	0.0	TRISTRAM STREET
7222 - 8252	5 0	42	45.9	0.0	3.3	0.0	0.0	0.0	3.3	0.0	401.7	0.0	TRISTRAM STREET
8252 - 3232	4 7	22	36.3	0.0	2.2	0.0	11.0	0.0	13.2	0.0	414.9	0.0	TRISTRAM STREET
3232 - 3233	5 0	65	46.4	0.0	5.0	0.0	0.0	0.0	5.0	0.0	419.9	0.0	TRISTRAM STREET
3233 - 6984	5 0	57	46.4	0.0	4.4	0.0	10.0	0.0	14.4	0.0	434.4	0.0	TRISTRAM STREET
6984 - 10716	5 0	115	47.4	0.0	8.7	0.0	0.0	0.0	8.7	0.0	443.1	0.0	TRISTRAM STREET
10716 - 3125	5 6	131	47.4	0.0	9.9	0.0	13.0	0.0	22.9	0.0	466.0	0.0	TRISTRAM STREET
3125 - 3124	5 0	54	48.2	0.0	4.0	0.0	0.0	0.0	4.0	0.0	470.1	0.0	TRISTRAM STREET
3124 - 6687	5 3	183	48.2	0.0	13.7	0.0	9.0	0.0	22.7	0.0	492.7	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	510.3	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	511.4	0.0	TRISTRAM STREET
6729 - 3473	5 0	82	47.0	0.0	6.3	0.0	0.0	0.0	6.3	0.0	517.7	0.0	TRISTRAM STREET
3473 - 3472	5 6	25	48.0	0.0	1.9	0.0	54.0	0.0	55.9	0.0	573.6	0.0	TRISTRAM STREET
3472 - 8219	14 0	34	43.5	0.0	2.8	0.0	0.0	0.0	2.8	0.0	576.4	0.0	ABBOTSFORD STREET
8219 - 10511	4 0	204	38.5	0.0	19.1	0.0	0.0	0.0	19.1	0.0	595.4	0.0	ABBOTSFORD STREET
10511 - 6728	4 5	104	38.5	0.0	9.7	0.0	12.0	0.0	21.7	0.0	617.2	0.0	ABBOTSFORD STREET
6728 - 10512	5 0	52	48.8	0.0	3.8	0.0	0.0	0.0	3.8	0.0	621.0	0.0	WILLOUGHBY STREET
10512 - 4759	5 4	429	48.9	0.0	31.6	0.0	10.7	0.0	42.3	0.0	663.3	0.0	WILLOUGHBY STREET
Modelled Totals		5967	32.4		416.6		246.7		663.3				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 |
 | Gabites Porter |
Christchurch, N.Z.

Journey 14 Movement Analysis - times in seconds

WRTM R4_5 - Richmond/Ulster to Tomin/Ohaupo SB

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	49.9	0.0	30.9	0.0	0.0	0.0	30.9	0.0	30.9	0.0	WILLOUGHBY STREET
10512 - 6728	5 0	52	49.7	0.0	3.8	0.0	1.0	0.0	4.8	0.0	35.7	0.0	WILLOUGHBY STREET
6728 - 3469	5 6	241	49.7	0.0	17.5	0.0	47.0	0.0	64.5	0.0	100.2	0.0	WILLOUGHBY STREET
3469 - 8218	5 0	79	47.1	0.0	6.0	0.0	0.0	0.0	6.0	0.0	106.2	0.0	MILL STREET
8218 - 3473	5 2	55	48.5	0.0	4.1	0.0	3.6	0.0	7.7	0.0	113.9	0.0	
3473 - 6729	5 0	82	48.1	0.0	6.1	0.0	0.0	0.0	6.1	0.0	120.0	0.0	TRISTRAM STREET
6729 - 9785	5 0	15	48.1	0.0	1.1	0.0	0.0	0.0	1.1	0.0	121.2	0.0	TRISTRAM STREET
9785 - 6687	5 3	229	48.1	0.0	17.1	0.0	9.0	0.0	26.1	0.0	147.3	0.0	TRISTRAM STREET
6687 - 3124	5 0	183	48.0	0.0	13.7	0.0	0.0	0.0	13.7	0.0	161.0	0.0	TRISTRAM STREET
3124 - 3125	5 6	54	48.0	0.0	4.1	0.0	11.2	0.0	15.2	0.0	176.3	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	186.2	0.0	TRISTRAM STREET
10716 - 6984	5 6	115	47.2	0.0	8.8	0.0	11.0	0.0	19.8	0.0	206.0	0.0	TRISTRAM STREET
6984 - 3233	5 0	57	47.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	210.3	0.0	TRISTRAM STREET
3233 - 3232	5 7	65	47.7	0.0	4.9	0.0	36.0	0.0	40.9	0.0	251.2	0.0	TRISTRAM STREET
3232 - 8252	4 0	22	37.7	0.0	2.1	0.0	0.0	0.0	2.1	0.0	253.3	0.0	TRISTRAM STREET
8252 - 7222	5 0	42	46.9	0.0	3.2	0.0	0.0	0.0	3.2	0.0	256.5	0.0	TRISTRAM STREET
7222 - 6684	4 0	85	37.2	0.0	8.2	0.0	0.0	0.0	8.2	0.0	264.8	0.0	TRISTRAM STREET
6684 - 3059	5 0	62	46.9	0.0	4.8	0.0	0.0	0.0	4.8	0.0	269.5	0.0	TRISTRAM STREET
3059 - 10473	5 0	21	46.9	0.0	1.6	0.0	0.0	0.0	1.6	0.0	271.1	0.0	TRISTRAM STREET
10473 - 3060	5 0	27	46.9	0.0	2.1	0.0	0.0	0.0	2.1	0.0	273.2	0.0	TRISTRAM STREET
3060 - 3390	5 3	86	46.9	0.0	6.6	0.0	9.0	0.0	15.6	0.0	288.8	0.0	TRISTRAM STREET
3390 - 3631	5 0	52	45.6	0.0	4.1	0.0	0.0	0.0	4.1	0.0	292.9	0.0	TRISTRAM STREET
3631 - 4766	5 3	186	45.6	0.0	14.7	0.0	10.0	0.0	24.7	0.0	317.6	0.0	TRISTRAM STREET
4766 - 3397	15 0	231	51.0	0.0	16.3	0.0	0.0	0.0	16.3	0.0	333.9	0.0	TRISTRAM STREET
3397 - 3370	15 3	155	51.1	0.0	10.9	0.0	12.0	0.0	22.9	0.0	356.8	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	360.7	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	362.4	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	384.1	0.0	COBHAM DRIVE
3672 - 10483	7 0	264	67.3	0.0	14.1	0.0	0.0	0.0	14.1	0.0	398.2	0.0	COBHAM DRIVE
10483 - 3677	7 0	298	67.3	0.0	15.9	0.0	0.0	0.0	15.9	0.0	414.2	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	67.3	0.0	7.0	0.0	31.0	0.0	38.0	0.0	452.2	0.0	COBHAM DRIVE
3676 - 3679	15 0	92	53.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	458.4	0.0	NORMANDY AVENUE
3679 - 8212	15 0	313	51.4	0.0	21.9	0.0	0.0	0.0	21.9	0.0	480.3	0.0	NORMANDY AVENUE
8212 - 4754	15 7	21	51.4	0.0	1.5	0.0	4.0	0.0	5.5	0.0	485.8	0.0	NORMANDY AVENUE
4754 - 8214	15 0	18	52.4	0.0	1.2	0.0	0.0	0.0	1.2	0.0	487.0	0.0	NORMANDY AVENUE
8214 - 4847	15 0	95	52.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	493.6	0.0	NORMANDY AVENUE
4847 - 2647	15 6	14	53.0	0.0	1.0	0.0	3.9	0.0	4.9	0.0	498.4	0.0	NORMANDY AVENUE
2647 - 2646	15 0	42	52.8	0.0	2.9	0.0	0.0	0.0	2.9	0.0	501.3	0.0	NORMANDY AVENUE
2646 - 10640	15 0	82	52.8	0.0	5.6	0.0	0.0	0.0	5.6	0.0	506.9	0.0	NORMANDY AVENUE
10640 - 4233	15 0	93	52.8	0.0	6.3	0.0	0.0	0.0	6.3	0.0	513.2	0.0	NORMANDY AVENUE
4233 - 7007	15 0	285	52.9	0.0	19.4	0.0	0.0	0.0	19.4	0.0	532.6	0.0	NORMANDY AVENUE
7007 - 3770	15 3	40	53.2	0.0	2.7	0.0	12.0	0.0	14.7	0.0	547.3	0.0	NORMANDY AVENUE
3770 - 3143	15 0	38	51.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	549.9	0.0	SH 3
3143 - 2663	15 0	99	51.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	556.8	0.0	OHAUPO ROAD
2663 - 3095	15 0	102	51.9	0.0	7.1	0.0	0.0	0.0	7.1	0.0	563.9	0.0	SH 3
3095 - 10636	6 0	83	56.5	0.0	5.3	0.0	0.0	0.0	5.3	0.0	569.2	0.0	SH 3
10636 - 7078	6 0	81	56.5	0.0	5.2	0.0	0.0	0.0	5.2	0.0	574.3	0.0	SH 3
7078 - 7301	6 0	85	56.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	579.8	0.0	SH3
7301 - 2665	6 0	139	56.5	0.0	8.9	0.0	0.0	0.0	8.9	0.0	588.6	0.0	SH 3
2665 - 2667	6 6	71	56.4	0.0	4.5	0.0	5.0	0.0	9.5	0.0	598.1	0.0	SH 3
2667 - 11496	6 0	195	57.0	0.0	12.3	0.0	0.0	0.0	12.3	0.0	610.5	0.0	OHAUPO ROAD
11496 - 3301	6 3	80	57.0	0.0	5.1	0.0	8.3	0.0	13.4	0.0	623.8	0.0	OHAUPO ROAD
Modelled Totals		6007	34.7		409.8		214.0		623.8				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 |
 | Cabites Porter |
Christchurch, N.Z.

Journey 15 Movement Analysis - times in seconds

WRTM R6 - Victoria/Claudlands to Victoria/Knox NB

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
3453 - 3448	5 7	61	48.8	0.0	4.5	0.0	48.0	0.0	52.5	0.0	52.5	0.0	VICTORIA STREET
3448 - 3450	5 0	119	49.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	61.2	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	62.0	0.0	
3449 - 3452	5 6	113	49.3	0.0	8.3	0.0	33.0	0.0	41.3	0.0	103.3	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	121.2	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	126.4	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	130.5	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	148.9	0.0	VICTORIA STREET
3132 - 10469	5 0	189	49.2	0.0	13.8	0.0	0.0	0.0	13.8	0.0	162.8	0.0	VICTORIA STREET
10469 - 8250	5 0	59	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	167.1	0.0	VICTORIA STREET
8250 - 4951	5 6	38	49.1	0.0	2.8	0.0	40.0	0.0	42.8	0.0	209.9	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	215.4	0.0	VICTORIA STREET
4952 - 7213	15 0	76	53.3	0.0	5.1	0.0	2.0	0.0	7.1	0.0	222.5	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	235.6	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	240.3	0.0	VICTORIA STREET
7109 - 4768	15 0	143	54.0	0.0	9.5	0.0	0.0	0.0	9.5	0.0	249.8	0.0	VICTORIA STREET
4768 - 4769	15 6	156	54.0	0.0	10.4	0.0	59.0	0.0	69.4	0.0	319.2	0.0	VICTORIA STREET
4769 - 4907	21 0	15	44.7	0.0	1.2	0.0	0.0	0.0	1.2	0.0	320.4	0.0	
4907 - 3606	4 0	146	33.5	0.0	15.7	0.0	0.0	0.0	15.7	0.0	336.1	0.0	FAIRFIELD BRIDGE
3606 - 3605	4 3	50	33.5	0.0	5.4	0.0	14.0	0.0	19.4	0.0	355.5	0.0	FAIRFIELD BRIDGE
3605 - 7074	6 0	59	55.4	0.0	3.8	0.0	0.0	0.0	3.8	0.0	359.3	0.0	RIVER ROAD
7074 - 7105	6 0	352	55.8	0.0	22.7	0.0	0.0	0.0	22.7	0.0	382.0	0.0	RIVER ROAD
7105 - 6677	6 0	82	55.8	0.0	5.3	0.0	14.0	0.0	19.3	0.0	401.3	0.0	RIVER ROAD
6677 - 3112	6 0	262	58.8	0.0	16.0	0.0	2.0	0.0	18.0	0.0	419.4	0.0	CLARKIN ROAD
3112 - 7254	6 0	211	58.8	0.0	12.9	0.0	1.2	0.0	14.1	0.0	433.5	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	443.0	0.0	CLARKIN ROAD
6606 - 6605	6 0	68	58.7	0.0	4.2	0.0	2.0	0.0	6.2	0.0	449.2	0.0	CLARKIN ROAD
6605 - 7740	6 0	172	58.7	0.0	10.5	0.0	2.0	0.0	12.5	0.0	461.7	0.0	CLARKIN ROAD
7740 - 6906	6 0	106	58.6	0.0	6.5	0.0	0.0	0.0	6.5	0.0	468.2	0.0	CLARKIN ROAD
6906 - 3707	6 0	92	57.7	0.0	5.7	0.0	10.0	0.0	15.7	0.0	484.0	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	497.9	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	508.0	0.0	HEAPHY TERRACE
6751 - 3703	5 0	176	47.2	0.0	13.4	0.0	0.0	0.0	13.4	0.0	521.4	0.0	HEAPHY TERRACE
3703 - 7924	5 0	114	47.1	0.0	8.7	0.0	0.0	0.0	8.7	0.0	530.1	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	532.5	0.0	HEAPHY TERRACE
7013 - 7923	5 0	70	47.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	537.9	0.0	HEAPHY TERRACE
7923 - 7921	5 0	19	46.8	0.0	1.5	0.0	0.0	0.0	1.5	0.0	539.3	0.0	
7921 - 7925	5 0	94	46.8	0.0	7.2	0.0	0.0	0.0	7.2	0.0	546.6	0.0	HEAPHY TERRACE
7925 - 7919	5 0	7	46.8	0.0	0.5	0.0	0.0	0.0	0.5	0.0	547.1	0.0	
7919 - 4961	5 0	100	46.7	0.0	7.7	0.0	0.0	0.0	7.7	0.0	554.8	0.0	HEAPHY TERRACE
4961 - 4955	5 0	100	46.7	0.0	7.7	0.0	1.1	0.0	8.8	0.0	563.6	0.0	HEAPHY TERRACE
4955 - 4132	5 0	22	46.7	0.0	1.7	0.0	1.0	0.0	2.7	0.0	566.3	0.0	
4132 - 3012	5 3	141	46.6	0.0	10.9	0.0	11.0	0.0	21.9	0.0	588.2	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	597.5	0.0	HEAPHY TERRACE
6737 - 7468	5 0	127	48.3	0.0	9.5	0.0	0.0	0.0	9.5	0.0	607.0	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	625.8	0.0	
3454 - 8232	5 0	224	48.2	0.0	16.7	0.0	0.0	0.0	16.7	0.0	642.5	0.0	HEAPHY TERRACE
8232 - 2537	5 6	34	48.2	0.0	2.5	0.0	17.2	0.0	19.7	0.0	662.3	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	666.0	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	679.6	0.0	HEAPHY TERRACE
3754 - 3753	5 0	46	46.8	0.0	3.5	0.0	0.0	0.0	3.5	0.0	683.2	0.0	GREY STREET
3753 - 3752	5 3	83	46.8	0.0	6.4	0.0	13.0	0.0	19.4	0.0	702.6	0.0	GREY STREET
3752 - 10646	5 0	170	47.0	0.0	13.0	0.0	0.0	0.0	13.0	0.0	715.6	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	746.0	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	765.3	0.0	GREY STREET
6715 - 8229	5 0	70	47.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	770.7	0.0	GREY STREET
8229 - 7494	5 6	35	47.1	0.0	2.7	0.0	31.0	0.0	33.7	0.0	804.3	0.0	GREY STREET
7494 - 8230	5 0	30	40.9	0.0	2.6	0.0	0.0	0.0	2.6	0.0	807.0	0.0	BRIDGE STREET
8230 - 6711	5 0	52	40.9	0.0	4.6	0.0	0.0	0.0	4.6	0.0	811.6	0.0	BRIDGE STREET
6711 - 3519	5 0	76	40.5	0.0	6.8	0.0	0.0	0.0	6.8	0.0	818.3	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	819.2	0.0	
9824 - 8233	5 0	258	44.9	0.0	20.7	0.0	0.0	0.0	20.7	0.0	839.9	0.0	
8233 - 2738	5 6	31	44.9	0.0	2.5	0.0	36.0	0.0	38.5	0.0	878.4	0.0	BRIDGE STREET
2738 - 8235	14 0	25	43.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0	880.5	0.0	VICTORIA STREET
8235 - 10445	14 0	210	43.0	0.0	17.6	0.0	4.8	0.0	22.4	0.0	902.8	0.0	VICTORIA STREET
Modelled Totals		7310	29.1		536.5		366.3		902.8				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 |
 | Gabites Porter |
Christchurch, N.Z.

Journey 16 Movement Analysis - times in seconds

WRTM R6 - Victoria/Knox to Victoria/Claudeland SB

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	
10445 - 8235	14 0	210	43.8	0.0	17.3	0.0	0.0	0.0	17.3	0.0	17.3	0.0	VICTORIA STREET
8235 - 8233	5 2	38	47.5	0.0	2.9	0.0	7.8	0.0	10.7	0.0	27.9	0.0	
8233 - 9824	5 0	258	42.7	0.0	21.8	0.0	0.0	0.0	21.8	0.0	49.7	0.0	
9824 - 3519	5 0	11	42.7	0.0	0.9	0.0	0.0	0.0	0.9	0.0	50.6	0.0	
3519 - 6711	5 0	76	40.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	57.4	0.0	BRIDGE STREET
6711 - 8230	5 0	52	41.1	0.0	4.6	0.0	0.0	0.0	4.6	0.0	62.0	0.0	BRIDGE STREET
8230 - 8229	5 4	48	47.8	0.0	3.6	0.0	6.7	0.0	10.3	0.0	72.3	0.0	BRIDGE STREET
8229 - 6715	5 0	70	47.5	0.0	5.3	0.0	0.0	0.0	5.3	0.0	77.6	0.0	GREY STREET
6715 - 4913	5 0	240	47.5	0.0	18.2	0.0	1.0	0.0	19.2	0.0	96.8	0.0	GREY STREET
4913 - 10646	5 0	385	47.4	0.0	29.2	0.0	0.0	0.0	29.2	0.0	126.0	0.0	GREY STREET
10646 - 3752	5 3	170	47.3	0.0	12.9	0.0	11.0	0.0	23.9	0.0	150.0	0.0	GREY STREET
3752 - 3753	5 0	83	47.5	0.0	6.3	0.0	0.0	0.0	6.3	0.0	156.3	0.0	GREY STREET
3753 - 3754	5 7	46	49.3	0.0	3.4	0.0	35.7	0.0	39.1	0.0	195.3	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	197.9	0.0	HEAPHY TERRACE
3755 - 2537	5 6	50	48.3	0.0	3.7	0.0	7.0	0.0	10.7	0.0	208.6	0.0	HEAPHY TERRACE
2537 - 8232	5 0	34	48.5	0.0	2.5	0.0	0.0	0.0	2.5	0.0	211.2	0.0	HEAPHY TERRACE
8232 - 3454	5 0	224	48.5	0.0	16.6	0.0	0.0	0.0	16.6	0.0	227.8	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	246.5	0.0	
7468 - 6737	5 0	127	48.3	0.0	9.5	0.0	0.0	0.0	9.5	0.0	256.0	0.0	HEAPHY TERRACE
6737 - 3012	5 3	125	48.3	0.0	9.3	0.0	12.0	0.0	21.3	0.0	277.3	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	291.1	0.0	HEAPHY TERRACE
4132 - 4955	5 0	22	47.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	292.7	0.0	
4955 - 4961	5 0	100	47.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	300.4	0.0	HEAPHY TERRACE
4961 - 7919	5 0	100	47.1	0.0	7.6	0.0	0.0	0.0	7.6	0.0	308.0	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	308.6	0.0	
7925 - 7921	5 0	94	47.2	0.0	7.2	0.0	0.0	0.0	7.2	0.0	315.7	0.0	HEAPHY TERRACE
7921 - 7923	5 0	19	47.2	0.0	1.4	0.0	0.0	0.0	1.4	0.0	317.2	0.0	
7923 - 7013	5 0	70	47.7	0.0	5.3	0.0	0.0	0.0	5.3	0.0	322.5	0.0	HEAPHY TERRACE
7013 - 7924	5 0	32	47.8	0.0	2.4	0.0	1.0	0.0	3.4	0.0	325.9	0.0	HEAPHY TERRACE
7924 - 3703	5 0	114	47.5	0.0	8.6	0.0	0.0	0.0	8.6	0.0	334.5	0.0	HEAPHY TERRACE
3703 - 6751	5 0	176	47.7	0.0	13.3	0.0	0.0	0.0	13.3	0.0	347.8	0.0	HEAPHY TERRACE
6751 - 7738	5 0	132	47.8	0.0	9.9	0.0	0.0	0.0	9.9	0.0	357.7	0.0	HEAPHY TERRACE
7738 - 3707	5 4	184	47.8	0.0	13.9	0.0	8.0	0.0	21.9	0.0	379.6	0.0	HEAPHY TERRACE
3707 - 6906	6 0	92	58.1	0.0	5.7	0.0	0.0	0.0	5.7	0.0	385.3	0.0	CLARKIN ROAD
6906 - 7740	6 0	106	58.7	0.0	6.5	0.0	1.0	0.0	7.5	0.0	392.8	0.0	CLARKIN ROAD
7740 - 6605	6 0	172	58.8	0.0	10.5	0.0	1.0	0.0	11.5	0.0	404.3	0.0	CLARKIN ROAD
6605 - 6606	6 0	68	58.8	0.0	4.2	0.0	2.0	0.0	6.2	0.0	410.5	0.0	CLARKIN ROAD
6606 - 7254	6 0	139	58.9	0.0	8.5	0.0	2.0	0.0	10.5	0.0	421.0	0.0	CLARKIN ROAD
7254 - 3112	6 0	211	58.9	0.0	12.9	0.0	1.0	0.0	13.9	0.0	434.9	0.0	CLARKIN ROAD
3112 - 6677	6 4	262	59.3	0.0	15.9	0.0	9.0	0.0	24.9	0.0	459.8	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	465.0	0.0	RIVER ROAD
7105 - 7074	6 4	352	56.6	0.0	22.4	0.0	13.0	0.0	35.4	0.0	500.4	0.0	RIVER ROAD
7074 - 3605	6 3	59	55.9	0.0	3.8	0.0	15.0	0.0	18.8	0.0	519.2	0.0	RIVER ROAD
3605 - 3606	4 0	50	33.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	524.5	0.0	FAIRFIELD BRIDGE
3606 - 4907	4 0	146	33.9	0.0	15.5	0.0	0.0	0.0	15.5	0.0	540.0	0.0	FAIRFIELD BRIDGE
4907 - 4769	21 7	15	44.8	0.0	1.2	0.0	76.0	0.0	77.2	0.0	617.2	0.0	
4769 - 4768	15 0	156	53.2	0.0	10.6	0.0	2.0	0.0	12.6	0.0	629.8	0.0	VICTORIA STREET
4768 - 7109	15 0	143	53.3	0.0	9.7	0.0	0.7	0.0	10.4	0.0	640.1	0.0	VICTORIA STREET
7109 - 7107	15 0	70	53.3	0.0	4.7	0.0	2.0	0.0	6.7	0.0	646.9	0.0	VICTORIA STREET
7107 - 7213	15 0	194	53.3	0.0	13.1	0.0	1.0	0.0	14.1	0.0	661.0	0.0	VICTORIA STREET
7213 - 4952	15 0	76	53.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	666.1	0.0	VICTORIA STREET
4952 - 4951	15 6	82	53.2	0.0	5.5	0.0	41.0	0.0	46.5	0.0	712.7	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	715.4	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	719.7	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	743.6	0.0	VICTORIA STREET
3132 - 6730	5 0	114	48.8	0.0	8.4	0.0	0.0	0.0	8.4	0.0	752.0	0.0	VICTORIA STREET
6730 - 10455	5 0	56	48.8	0.0	4.1	0.0	0.0	0.0	4.1	0.0	756.2	0.0	VICTORIA STREET
10455 - 6732	5 0	71	48.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	761.4	0.0	VICTORIA STREET
6732 - 3452	5 7	244	49.0	0.0	17.9	0.0	33.0	0.0	50.9	0.0	812.3	0.0	VICTORIA STREET
3452 - 3449	5 0	113	49.2	0.0	8.3	0.0	0.0	0.0	8.3	0.0	820.6	0.0	VICTORIA STREET
3449 - 3450	5 0	11	49.2	0.0	0.8	0.0	0.0	0.0	0.8	0.0	821.4	0.0	
3450 - 3448	5 7	119	49.2	0.0	8.7	0.0	37.0	0.0	45.7	0.0	867.1	0.0	VICTORIA STREET
3448 - 3453	5 6	61	47.8	0.0	4.6	0.0	16.9	0.0	21.5	0.0	888.6	0.0	VICTORIA STREET

Modelled Totals 7275 29.5 531.8 356.8 888.6
 Observed Totals 0.0 0.0 0.0 0.0

JOURNEY terminated successfully

Evening Peak Travel Time Validation Output Files

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+-----+
| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
+-----+
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+-----+
| TRACKS 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 09:25:14 | TRACKS T |
| TRACKS | Platform : Win 95/NT | TRACKS |
| S TRACKS+-----+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+-----+
|           TRACKS Licenced to |
| Gabites Porter |
| at : Christchurch, N.Z. |
+-----+
Parameter version : V5.20
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JURNEY Data File : JURNEY.DAT
Loaded Network   : WL13B0PALLB0.NL
                  27830 Links in network
```

-----+-----
 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |
 -----+-----

Journey 1 Movement Analysis - times in seconds

HCC R1 - Morrinsville/Cambridge to Thomas/HorshamDown NB

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
3076 - 5706	6 0	198	55.7	0.0	12.8	0.0	0.0	0.0	12.8	0.0	12.8	0.0	CAMBRIDGE ROAD
5706 - 5202	6 3	118	55.7	0.0	7.6	0.0	11.0	0.0	18.6	0.0	31.4	0.0	CAMBRIDGE ROAD
5202 - 7209	5 0	281	45.5	0.0	22.2	0.0	0.0	0.0	22.2	0.0	53.7	0.0	CAMBRIDGE ROAD
7209 - 3241	5 0	146	45.7	0.0	11.5	0.0	0.0	0.0	11.5	0.0	65.2	0.0	CAMBRIDGE ROAD
3241 - 3243	5 0	73	45.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	70.9	0.0	CAMBRIDGE ROAD
3243 - 7381	5 0	78	45.6	0.0	6.2	0.0	0.0	0.0	6.2	0.0	77.1	0.0	CAMBRIDGE ROAD
7381 - 7932	5 0	185	45.6	0.0	14.6	0.0	12.0	0.0	26.6	0.0	103.7	0.0	CAMBRIDGE ROAD
7932 - 7931	5 0	135	47.3	0.0	10.3	0.0	0.0	0.0	10.3	0.0	113.9	0.0	KNIGHTON ROAD
7931 - 7037	5 0	104	47.3	0.0	7.9	0.0	0.0	0.0	7.9	0.0	121.9	0.0	KNIGHTON ROAD
7037 - 7036	5 0	32	47.3	0.0	2.4	0.0	0.0	0.0	2.4	0.0	124.3	0.0	KNIGHTON ROAD
7036 - 3202	5 0	98	47.3	0.0	7.5	0.0	0.0	0.0	7.5	0.0	131.8	0.0	KNIGHTON ROAD
3202 - 3203	5 0	87	47.7	0.0	6.6	0.0	0.0	0.0	6.6	0.0	138.3	0.0	KNIGHTON ROAD
3203 - 6682	5 0	251	47.7	0.0	18.9	0.0	0.0	0.0	18.9	0.0	157.3	0.0	KNIGHTON ROAD
6682 - 6681	5 3	185	46.9	0.0	14.2	0.0	7.0	0.0	21.2	0.0	178.5	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.7	0.0	14.0	0.0	0.0	0.0	14.0	0.0	192.5	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.7	0.0	19.1	0.0	1.0	0.0	20.1	0.0	212.7	0.0	CLYDE STREET
4903 - 7448	5 0	139	48.3	0.0	10.4	0.0	1.0	0.0	11.4	0.0	224.0	0.0	CLYDE STREET
7448 - 7176	5 0	141	48.4	0.0	10.5	0.0	0.0	0.0	10.5	0.0	234.5	0.0	CLYDE STREET
7176 - 6724	5 0	98	48.1	0.0	7.3	0.0	0.0	0.0	7.3	0.0	241.8	0.0	CLYDE STREET
6724 - 8238	5 0	94	48.1	0.0	7.0	0.0	0.0	0.0	7.0	0.0	248.9	0.0	CLYDE STREET
8238 - 3057	5 6	25	48.1	0.0	1.9	0.0	34.0	0.0	35.9	0.0	284.7	0.0	CLYDE STREET
3057 - 8236	14 0	31	43.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	287.3	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	42.6	0.0	3.1	0.0	0.0	0.0	3.1	0.0	290.4	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	42.6	0.0	15.4	0.0	0.0	0.0	15.4	0.0	305.8	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	42.6	0.0	15.5	0.0	1.0	0.0	16.5	0.0	322.3	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.8	0.0	7.0	0.0	0.7	0.0	7.7	0.0	329.9	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	338.3	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.7	0.0	13.5	0.0	2.0	0.0	15.5	0.0	353.8	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	43.4	0.0	3.4	0.0	0.5	0.0	3.9	0.0	357.7	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	43.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	365.5	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	43.4	0.0	11.0	0.0	0.0	0.0	11.0	0.0	376.6	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	43.4	0.0	6.4	0.0	63.0	0.0	69.4	0.0	446.0	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	42.5	0.0	3.3	0.0	0.0	0.0	3.3	0.0	449.3	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	42.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	461.4	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	466.3	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	470.2	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	42.5	0.0	7.3	0.0	1.0	0.0	8.3	0.0	478.5	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	42.6	0.0	9.5	0.0	0.0	0.0	9.5	0.0	488.0	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	42.6	0.0	25.9	0.0	1.0	0.0	26.9	0.0	515.0	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	525.7	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	42.5	0.0	11.4	0.0	9.0	0.0	20.4	0.0	546.1	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	41.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	547.7	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	41.7	0.0	12.0	0.0	1.0	0.0	13.0	0.0	560.7	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	565.3	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.0	0.0	5.1	0.0	1.0	0.0	6.1	0.0	571.4	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.1	0.0	15.4	0.0	1.0	0.0	16.4	0.0	587.8	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.2	0.0	17.0	0.0	0.0	0.0	17.0	0.0	604.8	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.1	0.0	11.8	0.0	1.0	0.0	12.8	0.0	617.6	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.3	0.0	22.2	0.0	0.0	0.0	22.2	0.0	639.8	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.2	0.0	11.3	0.0	0.0	0.0	11.3	0.0	651.0	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.2	0.0	8.4	0.0	9.0	0.0	17.4	0.0	668.4	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	46.6	0.0	9.8	0.0	0.0	0.0	9.8	0.0	678.2	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	46.6	0.0	26.5	0.0	0.0	0.0	26.5	0.0	704.7	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	46.6	0.0	20.3	0.0	0.0	0.0	20.3	0.0	725.0	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	46.6	0.0	7.6	0.0	0.0	0.0	7.6	0.0	732.6	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	735.4	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.1	0.0	27.9	0.0	0.0	0.0	27.9	0.0	763.3	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	46.9	0.0	4.4	0.0	0.0	0.0	4.4	0.0	767.7	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	46.9	0.0	11.0	0.0	0.0	0.0	11.0	0.0	778.7	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	46.8	0.0	23.6	0.0	0.0	0.0	23.6	0.0	802.3	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	46.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	806.6	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	46.3	0.0	3.7	0.0	0.0	0.0	3.7	0.0	810.2	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	46.3	0.0	18.9	0.0	0.0	0.0	18.9	0.0	829.1	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	44.9	0.0	9.1	0.0	0.0	0.0	9.1	0.0	838.3	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	44.9	0.0	6.3	0.0	0.0	0.0	6.3	0.0	844.5	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	42.2	0.0	4.7	0.0	0.0	0.0	4.7	0.0	849.2	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	46.7	0.0	7.3	0.0	13.0	0.0	20.3	0.0	869.5	0.0	HUKANUI ROAD
3558 - 3557	6 0	82	57.0	0.0	5.2	0.0	3.1	0.0	8.3	0.0	877.8	0.0	HUKANUI ROAD
3557 - 3549	6 0	17	53.6	0.0	1.1	0.0	0.0	0.0	1.1	0.0	878.9	0.0	HUKANUI ROAD
3549 - 3545	6 0	99	53.6	0.0	6.6	0.0	0.0	0.0	6.6	0.0	885.6	0.0	HUKANUI ROAD
3545 - 4328	6 0	296	53.6	0.0	19.9	0.0	0.0	0.0	19.9	0.0	905.5	0.0	HUKANUI ROAD
4328 - 4329	6 0	159	54.5	0.0	10.5	0.0	0.0	0.0	10.5	0.0	916.0	0.0	HUKANUI ROAD
4329 - 4137	4 0	9	35.2	0.0	0.9	0.0	0.0	0.0	0.9	0.0	916.9	0.0	HUKANUI ROAD
4137 - 4139	6 0	48	55.9	0.0	3.1	0.0	0.0	0.0	3.1	0.0	920.0	0.0	HUKANUI ROAD
4139 - 3353	6 0	68	56.4	0.0	4.3	0.0	0.0	0.0	4.3	0.0	924.3	0.0	HUKANUI ROAD
3353 - 4141	6 0	131	56.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	932.7	0.0	HUKANUI ROAD
4141 - 3928	6 0	302	56.4	0.0	19.3	0.0	0.0	0.0	19.3	0.0	952.0	0.0	HUKANUI ROAD
3928 - 4281	6 0	157	56.4	0.0	10.0	0.0	0.0	0.0	10.0	0.0	962.0	0.0	HUKANUI ROAD
4281 - 3762	6 0	166	56.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	972.6	0.0	HORSHAM DOWNS ROAD
3762 - 3763	6 3	16	56.5	0.0	1.0	0.0	13.0	0.0	14.0	0.0	986.6	0.0	HORSHAM DOWNS ROAD
Modelled Totals		10347	37.8		800.3		186.3		986.6				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 2 Movement Analysis - times in seconds

HCC R1 - Thomas/HorshamDown to Morrinsville/Cambridge SB

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
3763 - 3762	6 0	16	57.3	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	HORSHAM DOWNS ROAD
3762 - 4281	6 0	166	57.3	0.0	10.4	0.0	0.0	0.0	10.4	0.0	11.4	0.0	HORSHAM DOWNS ROAD
4281 - 3928	6 0	157	57.3	0.0	9.9	0.0	0.0	0.0	9.9	0.0	21.3	0.0	HUKANUI ROAD
3928 - 4141	6 0	302	57.3	0.0	19.0	0.0	0.0	0.0	19.0	0.0	40.3	0.0	HUKANUI ROAD
4141 - 3353	6 0	131	57.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	48.5	0.0	HUKANUI ROAD
3353 - 4139	6 0	68	57.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	52.8	0.0	HUKANUI ROAD
4139 - 4137	6 0	48	57.2	0.0	3.0	0.0	0.0	0.0	3.0	0.0	55.8	0.0	HUKANUI ROAD
4137 - 4329	4 0	9	37.1	0.0	0.9	0.0	0.0	0.0	0.9	0.0	56.7	0.0	
4329 - 4328	6 0	159	56.8	0.0	10.1	0.0	0.0	0.0	10.1	0.0	66.7	0.0	HUKANUI ROAD
4328 - 3545	6 0	296	56.7	0.0	18.8	0.0	0.0	0.0	18.8	0.0	85.5	0.0	HUKANUI ROAD
3545 - 3549	6 0	99	56.7	0.0	6.3	0.0	0.0	0.0	6.3	0.0	91.8	0.0	HUKANUI ROAD
3549 - 3557	6 0	17	56.7	0.0	1.1	0.0	0.0	0.0	1.1	0.0	92.9	0.0	
3557 - 3558	6 3	82	58.3	0.0	5.1	0.0	14.0	0.0	19.1	0.0	112.0	0.0	HUKANUI ROAD
3558 - 3562	5 0	95	47.8	0.0	7.2	0.0	2.6	0.0	9.8	0.0	121.7	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	45.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	126.1	0.0	HUKANUI ROAD
4783 - 7279	5 0	78	46.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	132.1	0.0	HUKANUI ROAD
7279 - 7278	5 0	114	46.4	0.0	8.8	0.0	0.0	0.0	8.8	0.0	141.0	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	47.1	0.0	18.6	0.0	0.0	0.0	18.6	0.0	159.5	0.0	HUKANUI ROAD
7144 - 6963	5 0	47	47.1	0.0	3.6	0.0	0.0	0.0	3.6	0.0	163.1	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	47.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	167.3	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.1	0.0	24.0	0.0	0.0	0.0	24.0	0.0	191.3	0.0	HUKANUI ROAD
3446 - 2991	5 0	143	45.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	202.6	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.2	0.0	4.4	0.0	0.0	0.0	4.4	0.0	207.0	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.3	0.0	28.4	0.0	0.0	0.0	28.4	0.0	235.4	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.0	0.0	2.8	0.0	0.0	0.0	2.8	0.0	238.2	0.0	HUKANUI ROAD
6870 - 7140	5 0	98	46.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	245.8	0.0	HUKANUI ROAD
7140 - 7137	5 0	263	46.7	0.0	20.3	0.0	0.0	0.0	20.3	0.0	266.1	0.0	HUKANUI ROAD
7137 - 3710	5 0	343	46.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	292.4	0.0	
3710 - 6691	5 3	127	46.6	0.0	9.8	0.0	10.0	0.0	19.8	0.0	312.3	0.0	HUKANUI ROAD
6691 - 6693	14 0	98	42.3	0.0	8.3	0.0	0.0	0.0	8.3	0.0	320.6	0.0	PEACHGROVE ROAD
6693 - 4151	14 0	132	42.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	331.8	0.0	PEACHGROVE ROAD
4151 - 4998	14 0	261	42.4	0.0	22.2	0.0	0.0	0.0	22.2	0.0	354.0	0.0	PEACHGROVE ROAD
4998 - 6760	14 0	138	42.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	365.8	0.0	PEACHGROVE ROAD
6760 - 5197	14 0	199	42.4	0.0	16.9	0.0	2.0	0.0	18.9	0.0	384.7	0.0	PEACHGROVE ROAD
5197 - 4975	14 0	180	42.5	0.0	15.2	0.0	0.8	0.0	16.0	0.0	400.7	0.0	PEACHGROVE ROAD
4975 - 6862	14 0	59	42.4	0.0	5.0	0.0	0.0	0.0	5.0	0.0	405.7	0.0	PEACHGROVE ROAD
6862 - 4927	14 0	54	42.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	410.3	0.0	PEACHGROVE ROAD
4927 - 3437	14 0	139	42.3	0.0	11.8	0.0	0.0	0.0	11.8	0.0	422.1	0.0	PEACHGROVE ROAD
3437 - 3439	14 3	18	42.3	0.0	1.5	0.0	10.0	0.0	11.5	0.0	433.7	0.0	PEACHGROVE ROAD
3439 - 3007	14 0	135	42.2	0.0	11.5	0.0	0.0	0.0	11.5	0.0	445.2	0.0	PEACHGROVE ROAD
3007 - 6925	14 0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	455.9	0.0	PEACHGROVE ROAD
6925 - 4107	14 0	307	42.6	0.0	25.9	0.0	0.0	0.0	25.9	0.0	481.9	0.0	PEACHGROVE ROAD
4107 - 5318	14 0	113	42.6	0.0	9.5	0.0	1.0	0.0	10.5	0.0	492.4	0.0	PEACHGROVE ROAD
5318 - 8205	14 0	86	42.5	0.0	7.3	0.0	0.0	0.0	7.3	0.0	499.7	0.0	PEACHGROVE ROAD
8205 - 8203	14 0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	503.6	0.0	PEACHGROVE ROAD
8203 - 10556	14 0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	508.5	0.0	PEACHGROVE ROAD
10556 - 8240	14 0	143	42.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	520.7	0.0	PEACHGROVE ROAD
8240 - 3367	14 6	39	43.9	0.0	3.2	0.0	66.0	0.0	69.2	0.0	589.9	0.0	PEACHGROVE ROAD
3367 - 7454	14 0	77	42.7	0.0	6.5	0.0	0.8	0.0	7.3	0.0	597.1	0.0	PEACHGROVE ROAD
7454 - 5086	14 0	133	42.7	0.0	11.2	0.0	0.8	0.0	12.0	0.0	609.2	0.0	PEACHGROVE ROAD
5086 - 5085	14 0	95	42.7	0.0	8.0	0.0	0.0	0.0	8.0	0.0	617.2	0.0	PEACHGROVE ROAD
5085 - 5087	14 0	41	42.7	0.0	3.5	0.0	2.0	0.0	5.5	0.0	622.6	0.0	PEACHGROVE ROAD
5087 - 10647	14 0	160	42.5	0.0	13.6	0.0	0.0	0.0	13.6	0.0	636.2	0.0	PEACHGROVE ROAD
10647 - 5316	14 0	99	42.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	644.6	0.0	PEACHGROVE ROAD
5316 - 3055	14 0	83	42.5	0.0	7.0	0.0	1.0	0.0	8.0	0.0	652.6	0.0	PEACHGROVE ROAD
3055 - 5084	14 0	183	42.6	0.0	15.5	0.0	0.0	0.0	15.5	0.0	668.1	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	683.4	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	686.5	0.0	PEACHGROVE ROAD
8236 - 3057	14 7	31	42.8	0.0	2.6	0.0	25.0	0.0	27.6	0.0	714.1	0.0	PEACHGROVE ROAD
3057 - 8238	5 0	25	47.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	716.0	0.0	CLYDE STREET
8238 - 6724	5 0	94	47.5	0.0	7.1	0.0	0.0	0.0	7.1	0.0	723.1	0.0	CLYDE STREET
6724 - 7176	5 0	98	47.5	0.0	7.4	0.0	2.0	0.0	9.4	0.0	732.5	0.0	CLYDE STREET
7176 - 7448	5 0	141	48.2	0.0	10.5	0.0	0.0	0.0	10.5	0.0	743.1	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	753.4	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.0	0.0	19.4	0.0	0.0	0.0	19.4	0.0	772.9	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.0	0.0	14.3	0.0	13.0	0.0	27.2	0.0	800.1	0.0	CLYDE STREET
6681 - 6682	5 0	185	46.7	0.0	14.3	0.0	2.0	0.0	16.3	0.0	816.4	0.0	KNIGHTON ROAD
6682 - 3203	5 0	251	48.0	0.0	18.8	0.0	0.0	0.0	18.8	0.0	835.2	0.0	KNIGHTON ROAD
3203 - 3202	5 0	87	48.0	0.0	6.5	0.0	0.0	0.0	6.5	0.0	841.7	0.0	KNIGHTON ROAD
3202 - 7036	5 0	98	47.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	849.1	0.0	KNIGHTON ROAD
7036 - 7037	5 0	32	47.7	0.0	2.4	0.0	0.0	0.0	2.4	0.0	851.5	0.0	KNIGHTON ROAD
7037 - 7931	5 0	104	47.7	0.0	7.8	0.0	0.0	0.0	7.8	0.0	859.4	0.0	KNIGHTON ROAD
7931 - 7932	5 4	135	47.7	0.0	10.2	0.0	9.0	0.0	19.2	0.0	878.6	0.0	KNIGHTON ROAD
7932 - 7381	5 0	185	46.2	0.0	14.4	0.0	0.0	0.0	14.4	0.0	893.0	0.0	CAMBRIDGE ROAD
7381 - 3243	5 0	78	46.2	0.0	6.1	0.0	0.0	0.0	6.1	0.0	899.1	0.0	CAMBRIDGE ROAD
3243 - 3241	5 0	73	46.2	0.0	5.7	0.0	0.0	0.0	5.7	0.0	904.8	0.0	CAMBRIDGE ROAD
3241 - 7209	5 0	146	46.2	0.0	11.4	0.0	0.0	0.0	11.4	0.0	916.1	0.0	CAMBRIDGE ROAD
7209 - 5202	5 3	281	46.3	0.0	21.8	0.0	16.0	0.0	37.8	0.0	954.0	0.0	CAMBRIDGE ROAD
5202 - 5706	6 0	118	55.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	961.7	0.0	CAMBRIDGE ROAD
5706 - 3076	6 3	198	55.0	0.0	13.0	0.0	17.2	0.0	30.2	0.0	991.9	0.0	CAMBRIDGE ROAD
Modelled Totals		10347	37.6		796.7		195.2		991.9				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 3 Movement Analysis - times in seconds

HCC R2 - Hood St to Uni Gl EB

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	
6712 - 7102	5 0	49	46.8	0.0	3.8	0.0	0.0	0.0	3.8	0.0	3.8	0.0	VICTORIA STREET
7102 - 10445	14 0	51	42.6	0.0	4.3	0.0	0.0	0.0	4.3	0.0	8.1	0.0	VICTORIA STREET
10445 - 8235	14 0	210	42.7	0.0	17.7	0.0	0.0	0.0	17.7	0.0	25.8	0.0	VICTORIA STREET
8235 - 8233	5 2	38	45.3	0.0	3.0	0.0	14.6	0.0	17.6	0.0	43.4	0.0	
8233 - 9824	5 0	258	9.5	0.0	97.8	0.0	0.0	0.0	97.8	0.0	141.2	0.0	
9824 - 3519	5 0	11	9.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	145.3	0.0	
3519 - 6711	5 0	76	11.6	0.0	23.6	0.0	0.0	0.0	23.6	0.0	168.9	0.0	BRIDGE STREET
6711 - 8230	5 0	52	13.5	0.0	13.9	0.0	0.0	0.0	13.9	0.0	182.8	0.0	BRIDGE STREET
8230 - 7494	5 7	30	34.9	0.0	3.1	0.0	17.1	0.0	20.2	0.0	203.0	0.0	BRIDGE STREET
7494 - 8228	5 0	100	21.2	0.0	17.0	0.0	0.0	0.0	17.0	0.0	220.0	0.0	GREY STREET
8228 - 7704	5 7	35	21.2	0.0	5.9	0.0	32.0	0.0	37.9	0.0	257.9	0.0	GREY STREET
7704 - 10596	5 0	123	45.6	0.0	9.7	0.0	0.0	0.0	9.7	0.0	267.6	0.0	CLYDE STREET
10596 - 7705	5 0	122	45.4	0.0	9.7	0.0	0.0	0.0	9.7	0.0	277.3	0.0	CLYDE STREET
7705 - 2662	5 0	35	45.2	0.0	2.8	0.0	0.0	0.0	2.8	0.0	280.1	0.0	CLYDE STREET
2662 - 6713	5 0	207	45.1	0.0	16.5	0.0	2.0	0.0	18.5	0.0	298.6	0.0	CLYDE STREET
6713 - 8237	5 0	131	45.4	0.0	10.4	0.0	0.0	0.0	10.4	0.0	309.0	0.0	CLYDE STREET
8237 - 3057	5 6	24	46.5	0.0	1.9	0.0	20.0	0.0	21.9	0.0	330.9	0.0	CLYDE STREET
3057 - 8238	5 0	25	47.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	332.7	0.0	CLYDE STREET
8238 - 6724	5 0	94	47.5	0.0	7.1	0.0	0.0	0.0	7.1	0.0	339.9	0.0	CLYDE STREET
6724 - 7176	5 0	98	47.5	0.0	7.4	0.0	2.0	0.0	9.4	0.0	349.3	0.0	CLYDE STREET
7176 - 7448	5 0	141	48.2	0.0	10.5	0.0	0.0	0.0	10.5	0.0	359.8	0.0	CLYDE STREET
7448 - 4903	5 0	139	48.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	370.2	0.0	CLYDE STREET
4903 - 4095	5 0	259	48.0	0.0	19.4	0.0	0.0	0.0	19.4	0.0	389.6	0.0	CLYDE STREET
4095 - 6681	5 3	190	48.0	0.0	14.3	0.0	10.0	0.0	24.2	0.0	413.9	0.0	CLYDE STREET
6681 - 3045	5 0	54	48.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	417.9	0.0	KNIGHTON ROAD
3045 - 9810	5 0	220	47.7	0.0	16.6	0.0	0.0	0.0	16.6	0.0	434.5	0.0	KNIGHTON ROAD
Modelled Totals		2772	23.0		336.8		97.7		434.5				
Observed Totals				0.0		0.0		0.0		0.0			


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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 4 Movement Analysis - times in seconds

HCC R2 - Uni G1 to Hood St WB

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	
9810 - 3045	5 0	220	48.0	0.0	16.5	0.0	0.0	0.0	16.5	0.0	16.5	0.0	KNIGHTON ROAD
3045 - 6681	5 3	54	48.0	0.0	4.1	0.0	12.0	0.0	16.0	0.0	32.5	0.0	KNIGHTON ROAD
6681 - 4095	5 0	190	48.7	0.0	14.0	0.0	0.0	0.0	14.0	0.0	46.6	0.0	CLYDE STREET
4095 - 4903	5 0	259	48.7	0.0	19.1	0.0	1.0	0.0	20.1	0.0	66.7	0.0	CLYDE STREET
4903 - 7448	5 0	139	48.3	0.0	10.4	0.0	1.0	0.0	11.4	0.0	78.1	0.0	CLYDE STREET
7448 - 7176	5 0	141	48.4	0.0	10.5	0.0	0.0	0.0	10.5	0.0	88.6	0.0	CLYDE STREET
7176 - 6724	5 0	98	48.1	0.0	7.3	0.0	0.0	0.0	7.3	0.0	95.9	0.0	CLYDE STREET
6724 - 8238	5 0	94	48.1	0.0	7.0	0.0	0.0	0.0	7.0	0.0	103.0	0.0	CLYDE STREET
8238 - 3057	5 6	25	48.1	0.0	1.9	0.0	11.0	0.0	12.9	0.0	115.8	0.0	CLYDE STREET
3057 - 8237	5 0	24	47.6	0.0	1.8	0.0	0.0	0.0	1.8	0.0	117.6	0.0	CLYDE STREET
8237 - 6713	5 0	131	47.6	0.0	9.9	0.0	1.0	0.0	10.9	0.0	128.6	0.0	CLYDE STREET
6713 - 2662	5 0	207	47.7	0.0	15.6	0.0	0.0	0.0	15.6	0.0	144.2	0.0	CLYDE STREET
2662 - 7705	5 0	35	47.7	0.0	2.6	0.0	0.0	0.0	2.6	0.0	146.8	0.0	CLYDE STREET
7705 - 10596	5 0	122	47.8	0.0	9.2	0.0	0.0	0.0	9.2	0.0	156.0	0.0	CLYDE STREET
10596 - 7704	5 6	123	47.5	0.0	9.3	0.0	51.0	0.0	60.3	0.0	216.3	0.0	CLYDE STREET
7704 - 8228	5 0	35	45.9	0.0	2.7	0.0	0.0	0.0	2.7	0.0	219.1	0.0	GREY STREET
8228 - 7494	5 6	100	45.7	0.0	7.9	0.0	12.0	0.0	19.9	0.0	238.9	0.0	GREY STREET
7494 - 8230	5 0	30	44.5	0.0	2.4	0.0	0.0	0.0	2.4	0.0	241.4	0.0	BRIDGE STREET
8230 - 6711	5 0	52	44.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	245.6	0.0	BRIDGE STREET
6711 - 3519	5 0	76	44.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	251.8	0.0	BRIDGE STREET
3519 - 9824	5 0	11	45.6	0.0	0.9	0.0	0.0	0.0	0.9	0.0	252.6	0.0	
9824 - 8233	5 0	258	45.6	0.0	20.4	0.0	0.0	0.0	20.4	0.0	273.0	0.0	
8233 - 2738	5 6	31	45.7	0.0	2.4	0.0	47.0	0.0	49.4	0.0	322.5	0.0	BRIDGE STREET
2738 - 8235	14 0	25	43.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0	324.5	0.0	VICTORIA STREET
8235 - 10445	14 0	210	43.1	0.0	17.5	0.0	0.0	0.0	17.5	0.0	342.1	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	346.2	0.0	VICTORIA STREET
7102 - 6712	5 6	49	49.2	0.0	3.6	0.0	21.1	0.0	24.7	0.0	370.9	0.0	VICTORIA STREET
Modelled Totals		2790	27.1		213.8		157.1		370.9				
Observed Totals				0.0		0.0		0.0		0.0			

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 5 Movement Analysis - times in seconds

HCC R3 - Anglesea St to Dominion/Avalon NB

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	
3458 - 3457	5 3	23	47.2	0.0	1.8	0.0	10.0	0.0	11.8	0.0	11.8	0.0	ANGLESEA STREET
3457 - 3768	5 0	21	49.5	0.0	1.5	0.0	0.0	0.0	1.5	0.0	13.3	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	49.5	0.0	3.4	0.0	0.0	0.0	3.4	0.0	16.7	0.0	ANGLESEA STREET
6689 - 7442	5 0	168	49.4	0.0	12.2	0.0	0.0	0.0	12.2	0.0	28.9	0.0	ANGLESEA STREET
7442 - 6685	5 0	82	48.8	0.0	6.0	0.0	0.0	0.0	6.0	0.0	35.0	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.7	0.0	1.5	0.0	35.0	0.0	36.5	0.0	71.5	0.0	ANGLESEA STREET
7072 - 8202	5 0	21	49.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	73.0	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	76.4	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	84.7	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.4	0.0	4.8	0.0	30.0	0.0	34.8	0.0	119.5	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	123.5	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	49.1	0.0	4.8	0.0	0.0	0.0	4.8	0.0	128.3	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	134.8	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	139.1	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.1	0.0	4.6	0.0	19.0	0.0	23.6	0.0	162.7	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.1	0.0	9.0	0.0	37.0	0.0	46.0	0.0	208.7	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	215.5	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.4	0.0	9.2	0.0	38.0	0.0	47.2	0.0	262.7	0.0	ANGLESEA STREET
6868 - 10717	4 0	106	39.8	0.0	9.6	0.0	0.0	0.0	9.6	0.0	272.3	0.0	LONDON STREET
10717 - 3125	4 6	136	39.8	0.0	12.3	0.0	90.0	0.0	102.3	0.0	374.6	0.0	LONDON STREET
3125 - 3126	4 0	56	38.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	379.8	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	397.0	0.0	NORTON ROAD
3388 - 3382	4 3	59	38.8	0.0	5.5	0.0	5.0	0.0	10.5	0.0	407.4	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	414.1	0.0	NORTON ROAD
3386 - 8243	5 0	159	46.5	0.0	12.3	0.0	0.0	0.0	12.3	0.0	426.4	0.0	NORTON ROAD
8243 - 3389	5 6	31	46.5	0.0	2.4	0.0	16.0	0.0	18.4	0.0	444.8	0.0	NORTON ROAD
3389 - 8244	5 0	27	46.5	0.0	2.1	0.0	0.0	0.0	2.1	0.0	446.9	0.0	NORTON ROAD
8244 - 3381	5 0	69	46.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	452.3	0.0	NORTON ROAD
3381 - 3379	5 0	47	45.9	0.0	3.7	0.0	0.0	0.0	3.7	0.0	456.0	0.0	NORTON ROAD
3379 - 3380	5 7	13	45.9	0.0	1.0	0.0	33.0	0.0	34.0	0.0	490.0	0.0	NORTON ROAD
3380 - 8217	5 0	19	44.9	0.0	1.5	0.0	0.0	0.0	1.5	0.0	491.5	0.0	NORTON ROAD
8217 - 6750	5 0	24	44.9	0.0	1.9	0.0	0.0	0.0	1.9	0.0	493.4	0.0	NORTON ROAD
6750 - 7901	5 0	99	44.9	0.0	7.9	0.0	0.0	0.0	7.9	0.0	501.4	0.0	NORTON ROAD
7901 - 7902	5 0	89	44.9	0.0	7.1	0.0	0.0	0.0	7.1	0.0	508.5	0.0	NORTON ROAD
7902 - 7237	5 0	100	44.9	0.0	8.0	0.0	0.0	0.0	8.0	0.0	516.5	0.0	NORTON ROAD
7237 - 7905	5 0	31	44.9	0.0	2.5	0.0	0.0	0.0	2.5	0.0	519.0	0.0	NORTON ROAD
7905 - 7906	5 0	66	35.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	525.8	0.0	NORTON ROAD
7906 - 10649	5 0	40	37.0	0.0	3.9	0.0	0.0	0.0	3.9	0.0	529.7	0.0	NORTON ROAD
10649 - 6897	5 0	52	37.0	0.0	5.1	0.0	0.0	0.0	5.1	0.0	534.7	0.0	NORTON ROAD
6897 - 7914	5 0	24	37.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	537.1	0.0	NORTON ROAD
7914 - 7915	5 0	168	35.9	0.0	16.8	0.0	0.0	0.0	16.8	0.0	553.9	0.0	NORTON ROAD
7915 - 7231	5 0	39	35.9	0.0	3.9	0.0	0.0	0.0	3.9	0.0	557.8	0.0	NORTON ROAD
7231 - 8060	5 0	41	18.2	0.0	8.1	0.0	0.0	0.0	8.1	0.0	565.9	0.0	NORTON ROAD
8060 - 7880	5 0	81	35.5	0.0	8.2	0.0	0.0	0.0	8.2	0.0	574.1	0.0	NORTON ROAD
7880 - 4721	5 0	81	35.5	0.0	8.2	0.0	0.0	0.0	8.2	0.0	582.4	0.0	NORTON ROAD
4721 - 3456	5 3	337	35.5	0.0	34.2	0.0	23.0	0.0	57.2	0.0	639.5	0.0	NORTON ROAD
3456 - 8206	6 0	21	55.3	0.0	1.4	0.0	0.0	0.0	1.4	0.0	640.9	0.0	LINCOLN STREET
8206 - 3266	6 0	198	55.3	0.0	12.9	0.0	0.0	0.0	12.9	0.0	653.8	0.0	LINCOLN STREET
3266 - 3267	6 0	117	55.3	0.0	7.6	0.0	0.0	0.0	7.6	0.0	661.4	0.0	LINCOLN STREET
3267 - 3476	6 6	57	55.3	0.0	3.7	0.0	44.0	0.0	47.7	0.0	709.1	0.0	LINCOLN STREET
3476 - 10530	6 0	135	56.2	0.0	8.6	0.0	0.0	0.0	8.6	0.0	717.8	0.0	AVALON DRIVE
10530 - 2657	6 0	103	56.2	0.0	6.6	0.0	0.0	0.0	6.6	0.0	724.4	0.0	AVALON DRIVE
2657 - 10657	6 0	109	56.2	0.0	7.0	0.0	0.0	0.0	7.0	0.0	731.3	0.0	AVALON DRIVE
10657 - 4911	6 0	98	56.2	0.0	6.3	0.0	0.0	0.0	6.3	0.0	737.6	0.0	AVALON DRIVE
4911 - 6657	6 0	224	56.2	0.0	14.3	0.0	0.0	0.0	14.3	0.0	752.0	0.0	AVALON DRIVE
6657 - 2577	6 0	127	57.4	0.0	8.0	0.0	0.0	0.0	8.0	0.0	759.9	0.0	AVALON DRIVE
2577 - 6658	6 0	118	57.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	767.3	0.0	AVALON DRIVE
6658 - 6661	6 0	151	57.3	0.0	9.5	0.0	3.5	0.0	13.0	0.0	780.3	0.0	AVALON DRIVE
Modelled Totals		5010	23.1		396.8		383.5		780.3				
Observed Totals				0.0		0.0		0.0		0.0			



 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 6 Movement Analysis - times in seconds

HCC R3 - Dominion/Avalon to Anglesea St SB

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	
6661 - 6658	6 0	151	57.2	0.0	9.5	0.0	0.0	0.0	9.5	0.0	9.5	0.0	AVALON DRIVE
6658 - 2577	6 0	118	57.5	0.0	7.4	0.0	0.0	0.0	7.4	0.0	16.9	0.0	AVALON DRIVE
2577 - 6657	6 0	127	57.3	0.0	8.0	0.0	0.0	0.0	8.0	0.0	24.9	0.0	AVALON DRIVE
6657 - 4911	6 0	224	57.5	0.0	14.0	0.0	0.0	0.0	14.0	0.0	38.9	0.0	AVALON DRIVE
4911 - 10657	6 0	98	57.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	45.0	0.0	AVALON DRIVE
10657 - 2657	6 0	109	57.4	0.0	6.8	0.0	0.0	0.0	6.8	0.0	51.9	0.0	AVALON DRIVE
2657 - 10530	6 0	103	57.4	0.0	6.5	0.0	0.0	0.0	6.5	0.0	58.3	0.0	AVALON DRIVE
10530 - 3476	6 6	135	57.4	0.0	8.5	0.0	42.0	0.0	50.5	0.0	108.8	0.0	AVALON DRIVE
3476 - 3267	6 0	57	56.2	0.0	3.7	0.0	0.0	0.0	3.7	0.0	112.5	0.0	LINCOLN STREET
3267 - 3266	6 0	117	56.2	0.0	7.5	0.0	0.0	0.0	7.5	0.0	120.0	0.0	LINCOLN STREET
3266 - 8206	6 0	198	56.2	0.0	12.7	0.0	0.0	0.0	12.7	0.0	132.6	0.0	LINCOLN STREET
8206 - 3456	6 3	21	56.2	0.0	1.3	0.0	15.0	0.0	16.3	0.0	149.0	0.0	LINCOLN STREET
3456 - 4721	5 0	337	45.7	0.0	26.5	0.0	0.0	0.0	26.5	0.0	175.5	0.0	NORTON ROAD
4721 - 7880	5 0	81	45.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	181.9	0.0	NORTON ROAD
7880 - 8060	5 0	81	45.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	188.3	0.0	NORTON ROAD
8060 - 7231	5 0	41	45.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	191.6	0.0	NORTON ROAD
7231 - 7915	5 0	39	45.8	0.0	3.1	0.0	0.0	0.0	3.1	0.0	194.6	0.0	NORTON ROAD
7915 - 7914	5 0	168	45.8	0.0	13.2	0.0	0.0	0.0	13.2	0.0	207.9	0.0	NORTON ROAD
7914 - 6897	5 0	24	45.8	0.0	1.9	0.0	0.0	0.0	1.9	0.0	209.7	0.0	NORTON ROAD
6897 - 10649	5 0	52	45.8	0.0	4.1	0.0	0.0	0.0	4.1	0.0	213.8	0.0	NORTON ROAD
10649 - 7906	5 0	40	45.8	0.0	3.1	0.0	0.0	0.0	3.1	0.0	217.0	0.0	NORTON ROAD
7906 - 7905	5 0	66	45.7	0.0	5.2	0.0	0.0	0.0	5.2	0.0	222.2	0.0	NORTON ROAD
7905 - 7237	5 0	31	46.5	0.0	2.4	0.0	0.0	0.0	2.4	0.0	224.6	0.0	NORTON ROAD
7237 - 7902	5 0	100	46.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	232.3	0.0	NORTON ROAD
7902 - 7901	5 0	89	46.5	0.0	6.9	0.0	0.0	0.0	6.9	0.0	239.2	0.0	NORTON ROAD
7901 - 6750	5 0	99	46.5	0.0	7.7	0.0	0.0	0.0	7.7	0.0	246.9	0.0	NORTON ROAD
6750 - 8217	5 0	24	46.5	0.0	1.9	0.0	0.0	0.0	1.9	0.0	248.7	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	296.1	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	297.1	0.0	NORTON ROAD
3379 - 3381	5 0	47	49.3	0.0	3.4	0.0	0.0	0.0	3.4	0.0	300.5	0.0	NORTON ROAD
3381 - 8244	5 0	69	49.3	0.0	5.0	0.0	0.0	0.0	5.0	0.0	305.5	0.0	NORTON ROAD
8244 - 3389	5 6	27	49.3	0.0	2.0	0.0	37.0	0.0	39.0	0.0	344.5	0.0	NORTON ROAD
3389 - 8243	5 0	31	49.4	0.0	2.3	0.0	0.0	0.0	2.3	0.0	346.8	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	358.4	0.0	NORTON ROAD
3386 - 3382	4 3	68	39.3	0.0	6.2	0.0	6.0	0.0	12.2	0.0	370.6	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	376.0	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	392.9	0.0	NORTON ROAD
3126 - 3125	4 6	56	39.5	0.0	5.1	0.0	89.0	0.0	94.1	0.0	487.0	0.0	NORTON ROAD
3125 - 10717	4 0	136	39.9	0.0	12.3	0.0	0.0	0.0	12.3	0.0	499.2	0.0	LONDON STREET
10717 - 6868	4 6	106	39.9	0.0	9.6	0.0	36.0	0.0	45.6	0.0	544.8	0.0	LONDON STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	554.1	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	53.6	0.0	6.9	0.0	38.0	0.0	44.9	0.0	599.0	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	48.8	0.0	9.1	0.0	19.0	0.0	28.1	0.0	627.1	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	631.7	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	635.9	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	642.4	0.0	ANGLESEA STREET
5382 - 10461	5 0	66	49.4	0.0	4.8	0.0	0.0	0.0	4.8	0.0	647.3	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.4	0.0	3.9	0.0	30.0	0.0	33.9	0.0	681.2	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	686.0	0.0	ANGLESEA STREET
10474 - 2513	5 0	115	49.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	694.4	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	697.8	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.4	0.0	1.5	0.0	36.0	0.0	37.5	0.0	735.3	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	736.9	0.0	ANGLESEA STREET
6685 - 7442	5 0	82	49.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	742.9	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	48.8	0.0	12.4	0.0	0.0	0.0	12.4	0.0	755.3	0.0	ANGLESEA STREET
6689 - 3768	5 0	47	48.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	758.8	0.0	ANGLESEA STREET
3768 - 3457	5 3	21	48.4	0.0	1.6	0.0	11.0	0.0	12.6	0.0	771.3	0.0	ANGLESEA STREET
3457 - 3458	5 0	23	48.7	0.0	1.7	0.0	0.0	0.0	1.7	0.0	773.0	0.0	ANGLESEA STREET
Modelled Totals		5010	23.3		368.0		405.0		773.0				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 7 Movement Analysis - times in seconds

HCC R4_5 - Whatawhata/Newcastle to Wairere/Sandringham EB

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	
7165 - 3412	6 0	87	58.5	0.0	5.4	0.0	0.0	0.0	5.4	0.0	5.4	0.0	
3412 - 3413	6 0	342	58.7	0.0	21.0	0.0	1.0	0.0	22.0	0.0	27.3	0.0	WHATAWHATA ROAD
3413 - 6610	6 0	62	58.6	0.0	3.8	0.0	2.0	0.0	5.8	0.0	33.1	0.0	WHATAWHATA ROAD
6610 - 6644	6 0	152	58.5	0.0	9.4	0.0	0.0	0.0	9.4	0.0	42.5	0.0	WHATAWHATA ROAD
6644 - 10654	6 0	67	58.5	0.0	4.1	0.0	0.0	0.0	4.1	0.0	46.6	0.0	
10654 - 3747	6 0	51	58.5	0.0	3.1	0.0	0.0	0.0	3.1	0.0	49.8	0.0	
3747 - 5380	6 0	163	58.5	0.0	10.0	0.0	0.0	0.0	10.0	0.0	59.8	0.0	SH 23
5380 - 2582	6 0	192	58.4	0.0	11.8	0.0	0.0	0.0	11.8	0.0	71.6	0.0	WHATAWHATA ROAD
2582 - 3408	6 0	162	58.4	0.0	10.0	0.0	0.0	0.0	10.0	0.0	81.6	0.0	WHATAWHATA ROAD
3408 - 3400	6 3	13	58.4	0.0	0.8	0.0	13.0	0.0	13.8	0.0	95.4	0.0	WHATAWHATA ROAD
3400 - 3459	6 0	70	56.4	0.0	4.5	0.0	0.0	0.0	4.5	0.0	99.9	0.0	RIFLE RANGE ROAD
3459 - 3402	6 0	27	56.6	0.0	1.7	0.0	3.0	0.0	4.7	0.0	104.6	0.0	SH 23
3402 - 3399	6 0	24	59.3	0.0	1.5	0.0	0.0	0.0	1.5	0.0	106.0	0.0	SH 23
3399 - 3270	5 0	87	49.2	0.0	6.4	0.0	0.0	0.0	6.4	0.0	112.4	0.0	SH 23
3270 - 7525	5 0	297	49.2	0.0	21.7	0.0	0.0	0.0	21.7	0.0	134.1	0.0	MASSEY STREET
7525 - 7524	5 0	123	49.2	0.0	9.0	0.0	0.0	0.0	9.0	0.0	143.1	0.0	MASSEY STREET
7524 - 7997	5 0	61	49.0	0.0	4.5	0.0	0.0	0.0	4.5	0.0	147.6	0.0	MASSEY STREET
7997 - 8095	5 0	142	49.0	0.0	10.4	0.0	0.0	0.0	10.4	0.0	158.1	0.0	MASSEY STREET
8095 - 7881	5 0	101	49.0	0.0	7.4	0.0	0.0	0.0	7.4	0.0	165.5	0.0	MASSEY STREET
7881 - 6875	5 0	75	49.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	171.0	0.0	MASSEY STREET
6875 - 4294	5 0	40	48.9	0.0	2.9	0.0	0.0	0.0	2.9	0.0	173.9	0.0	MASSEY STREET
4294 - 6853	5 0	75	49.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	179.4	0.0	MASSEY STREET
6853 - 3376	5 6	113	49.5	0.0	8.2	0.0	43.0	0.0	51.2	0.0	230.7	0.0	SH 23
3376 - 8209	5 0	18	48.2	0.0	1.3	0.0	2.4	0.0	3.7	0.0	234.4	0.0	MASSEY HALL OVERBRIDG
8209 - 8889	5 0	51	46.6	0.0	3.9	0.0	0.0	0.0	3.9	0.0	238.3	0.0	MASSEY HALL OVERBRIDG
8889 - 6664	5 0	263	43.3	0.0	21.9	0.0	0.0	0.0	21.9	0.0	260.2	0.0	MASSEY HALL OVERBRIDG
6664 - 6665	5 6	57	46.9	0.0	4.4	0.0	7.0	0.0	11.4	0.0	271.6	0.0	MASSEY HALL OVERBRIDG
6665 - 10492	5 0	86	47.3	0.0	6.5	0.0	0.0	0.0	6.5	0.0	278.1	0.0	HALL STREET
10492 - 6869	5 0	14	47.1	0.0	1.1	0.0	0.0	0.0	1.1	0.0	279.2	0.0	HALL STREET
6869 - 6662	5 6	81	47.0	0.0	6.2	0.0	3.0	0.0	9.2	0.0	288.4	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	305.2	0.0	HALL STREET
8216 - 3380	5 6	17	48.9	0.0	1.3	0.0	42.0	0.0	43.3	0.0	348.4	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	349.6	0.0	MILL STREET
8215 - 3378	5 0	282	47.3	0.0	21.5	0.0	0.0	0.0	21.5	0.0	371.1	0.0	MILL STREET
3378 - 8220	5 0	183	47.2	0.0	14.0	0.0	0.0	0.0	14.0	0.0	385.0	0.0	MILL STREET
8220 - 3472	5 6	35	47.2	0.0	2.7	0.0	16.0	0.0	18.7	0.0	403.7	0.0	MILL STREET
3472 - 8218	5 0	36	46.5	0.0	2.8	0.0	0.0	0.0	2.8	0.0	406.5	0.0	MILL STREET
8218 - 3469	5 6	79	46.5	0.0	6.1	0.0	33.0	0.0	39.1	0.0	445.6	0.0	MILL STREET
3469 - 8221	15 0	21	52.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	447.1	0.0	MILL STREET
8221 - 3470	15 0	107	52.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	454.4	0.0	MILL STREET
3470 - 3129	15 6	122	52.1	0.0	8.4	0.0	34.0	0.0	42.4	0.0	496.8	0.0	MILL STREET
3129 - 4951	15 6	164	51.4	0.0	11.5	0.0	26.0	0.0	37.5	0.0	534.3	0.0	MILL STREET
4951 - 8249	5 0	24	44.1	0.0	2.0	0.0	0.0	0.0	2.0	0.0	536.3	0.0	BOUNDARY ROAD
8249 - 3953	5 0	36	44.1	0.0	2.9	0.0	0.0	0.0	2.9	0.0	539.2	0.0	BOUNDARY ROAD
3953 - 6739	5 0	413	44.1	0.0	33.7	0.0	0.0	0.0	33.7	0.0	572.9	0.0	BOUNDARY ROAD
6739 - 6736	5 0	159	15.7	0.0	36.5	0.0	0.0	0.0	36.5	0.0	609.4	0.0	BOUNDARY ROAD
6736 - 7928	5 0	127	32.8	0.0	13.9	0.0	0.0	0.0	13.9	0.0	623.3	0.0	BOUNDARY ROAD
7928 - 3012	5 3	204	32.8	0.0	22.4	0.0	9.0	0.0	31.4	0.0	654.7	0.0	BOUNDARY ROAD
3012 - 3013	5 0	500	45.8	0.0	39.3	0.0	0.0	0.0	39.3	0.0	694.0	0.0	BOUNDARY ROAD
3013 - 3439	5 3	314	45.9	0.0	24.6	0.0	11.0	0.0	35.6	0.0	729.7	0.0	BOUNDARY ROAD
3439 - 3438	5 0	104	46.5	0.0	8.1	0.0	0.0	0.0	8.1	0.0	737.7	0.0	FIFTH AVENUE
3438 - 6694	5 0	343	46.6	0.0	26.5	0.0	3.0	0.0	29.5	0.0	767.2	0.0	FIFTH AVENUE
6694 - 7732	5 0	138	46.4	0.0	10.7	0.0	2.0	0.0	12.7	0.0	779.9	0.0	FIFTH AVENUE
7732 - 4781	5 0	175	47.1	0.0	13.4	0.0	0.0	0.0	13.4	0.0	793.3	0.0	FIFTH AVENUE
4781 - 7729	5 0	143	49.7	0.0	10.4	0.0	0.0	0.0	10.4	0.0	803.6	0.0	TRAMWAY ROAD
7729 - 6931	5 0	211	49.8	0.0	15.3	0.0	5.8	0.0	21.1	0.0	824.7	0.0	TRAMWAY ROAD
Modelled Totals		7277	31.8		568.5		256.2		824.7				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 8 Movement Analysis - times in seconds

HCC R4_5 - Wairere/Sandringham to Whatawhata/Newcastle WB

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	
6931 - 7729	5 0	211	49.9	0.0	15.2	0.0	1.0	0.0	16.2	0.0	16.2	0.0	TRAMWAY ROAD
7729 - 4781	5 4	143	50.0	0.0	10.3	0.0	9.7	0.0	20.0	0.0	36.2	0.0	TRAMWAY ROAD
4781 - 7732	5 0	175	48.6	0.0	13.0	0.0	2.0	0.0	15.0	0.0	51.2	0.0	FIFTH AVENUE
7732 - 6694	5 0	138	48.4	0.0	10.3	0.0	1.0	0.0	11.3	0.0	62.4	0.0	FIFTH AVENUE
6694 - 3438	5 0	343	48.5	0.0	25.5	0.0	0.0	0.0	25.5	0.0	87.9	0.0	FIFTH AVENUE
3438 - 3439	5 3	104	48.2	0.0	7.8	0.0	12.0	0.0	19.8	0.0	107.7	0.0	FIFTH AVENUE
3439 - 3013	5 0	314	47.7	0.0	23.7	0.0	0.0	0.0	23.7	0.0	131.4	0.0	BOUNDARY ROAD
3013 - 3012	5 3	500	47.7	0.0	37.7	0.0	11.0	0.0	48.7	0.0	180.1	0.0	BOUNDARY ROAD
3012 - 7928	5 0	204	45.9	0.0	16.0	0.0	0.0	0.0	16.0	0.0	196.1	0.0	BOUNDARY ROAD
7928 - 6736	5 0	127	45.9	0.0	10.0	0.0	0.0	0.0	10.0	0.0	206.1	0.0	BOUNDARY ROAD
6736 - 6739	5 0	159	45.5	0.0	12.6	0.0	0.0	0.0	12.6	0.0	218.6	0.0	BOUNDARY ROAD
6739 - 3953	5 0	413	45.2	0.0	32.9	0.0	0.0	0.0	32.9	0.0	251.5	0.0	BOUNDARY ROAD
3953 - 8249	5 0	36	45.2	0.0	2.9	0.0	0.0	0.0	2.9	0.0	254.4	0.0	BOUNDARY ROAD
8249 - 4951	5 6	24	46.5	0.0	1.9	0.0	42.0	0.0	43.9	0.0	298.3	0.0	BOUNDARY ROAD
4951 - 3129	15 6	164	53.6	0.0	11.0	0.0	12.0	0.0	23.0	0.0	321.3	0.0	MILL STREET
3129 - 3470	15 0	122	52.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	329.7	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	337.1	0.0	MILL STREET
8221 - 3469	15 6	21	52.4	0.0	1.4	0.0	13.0	0.0	14.4	0.0	351.5	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	357.6	0.0	MILL STREET
8218 - 3472	5 6	36	48.2	0.0	2.7	0.0	10.5	0.0	13.2	0.0	370.8	0.0	MILL STREET
3472 - 8220	5 0	35	48.2	0.0	2.6	0.0	0.0	0.0	2.6	0.0	373.4	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	387.3	0.0	MILL STREET
3378 - 8215	5 0	282	47.5	0.0	21.4	0.0	0.0	0.0	21.4	0.0	408.7	0.0	MILL STREET
8215 - 3380	5 6	16	47.5	0.0	1.2	0.0	30.0	0.0	31.2	0.0	439.9	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	441.2	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	464.2	0.0	HALL STREET
6662 - 6869	5 0	81	47.8	0.0	6.1	0.0	0.0	0.0	6.1	0.0	470.3	0.0	HALL STREET
6869 - 10492	5 0	14	47.8	0.0	1.1	0.0	0.0	0.0	1.1	0.0	471.4	0.0	HALL STREET
10492 - 6665	5 6	86	47.5	0.0	6.5	0.0	1.0	0.0	7.5	0.0	478.9	0.0	HALL STREET
6665 - 6664	5 0	57	47.3	0.0	4.3	0.0	2.8	0.0	7.1	0.0	486.0	0.0	MASSEY HALL OVERBRID
6664 - 8889	5 0	263	44.9	0.0	21.1	0.0	0.0	0.0	21.1	0.0	507.1	0.0	MASSEY HALL OVERBRID
8889 - 8209	5 0	51	46.6	0.0	3.9	0.0	0.0	0.0	3.9	0.0	511.1	0.0	MASSEY HALL OVERBRID
8209 - 3376	5 6	18	48.3	0.0	1.3	0.0	47.0	0.0	48.3	0.0	559.4	0.0	MASSEY HALL OVERBRID
3376 - 6853	5 0	113	48.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	567.8	0.0	SH 23
6853 - 4294	5 0	75	46.5	0.0	5.8	0.0	0.0	0.0	5.8	0.0	573.6	0.0	MASSEY STREET
4294 - 6875	5 0	40	46.4	0.0	3.1	0.0	0.0	0.0	3.1	0.0	576.8	0.0	MASSEY STREET
6875 - 7881	5 0	75	46.6	0.0	5.8	0.0	0.0	0.0	5.8	0.0	582.5	0.0	MASSEY STREET
7881 - 8095	5 0	101	46.7	0.0	7.8	0.0	0.0	0.0	7.8	0.0	590.3	0.0	MASSEY STREET
8095 - 7997	5 0	142	46.4	0.0	11.0	0.0	0.0	0.0	11.0	0.0	601.3	0.0	MASSEY STREET
7997 - 7524	5 0	61	46.4	0.0	4.7	0.0	0.0	0.0	4.7	0.0	606.1	0.0	MASSEY STREET
7524 - 7525	5 0	123	46.9	0.0	9.4	0.0	0.0	0.0	9.4	0.0	615.5	0.0	MASSEY STREET
7525 - 3270	5 0	297	46.9	0.0	22.8	0.0	0.0	0.0	22.8	0.0	638.3	0.0	MASSEY STREET
3270 - 3399	5 0	87	46.9	0.0	6.7	0.0	0.0	0.0	6.7	0.0	645.0	0.0	SH 23
3399 - 3402	6 0	24	55.1	0.0	1.6	0.0	0.0	0.0	1.6	0.0	646.6	0.0	SH 23
3402 - 3459	6 0	27	54.1	0.0	1.8	0.0	0.0	0.0	1.8	0.0	648.4	0.0	SH 23
3459 - 3400	6 3	70	54.1	0.0	4.7	0.0	14.0	0.0	18.7	0.0	667.0	0.0	RIFLE RANGE ROAD
3400 - 3408	6 0	13	56.1	0.0	0.8	0.0	0.0	0.0	0.8	0.0	667.9	0.0	WHATAWHATA ROAD
3408 - 2582	6 0	162	56.1	0.0	10.4	0.0	0.0	0.0	10.4	0.0	678.3	0.0	WHATAWHATA ROAD
2582 - 5380	6 0	192	55.9	0.0	12.4	0.0	0.0	0.0	12.4	0.0	690.6	0.0	WHATAWHATA ROAD
5380 - 3747	6 0	163	56.2	0.0	10.4	0.0	0.0	0.0	10.4	0.0	701.1	0.0	SH 23
3747 - 10654	6 0	51	56.2	0.0	3.3	0.0	0.0	0.0	3.3	0.0	704.3	0.0	
10654 - 6644	6 0	67	56.2	0.0	4.3	0.0	0.0	0.0	4.3	0.0	708.6	0.0	
6644 - 6610	6 0	152	56.2	0.0	9.7	0.0	2.0	0.0	11.7	0.0	720.4	0.0	WHATAWHATA ROAD
6610 - 3413	6 0	62	56.6	0.0	3.9	0.0	3.0	0.0	6.9	0.0	727.3	0.0	WHATAWHATA ROAD
3413 - 3412	6 0	342	56.6	0.0	21.8	0.0	0.0	0.0	21.8	0.0	749.0	0.0	WHATAWHATA ROAD
3412 - 7165	6 0	87	56.9	0.0	5.5	0.0	3.5	0.0	9.0	0.0	758.1	0.0	
Modelled Totals		7277	34.6		534.6		223.5		758.1				
Observed Totals					0.0		0.0		0.0		0.0		

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter
 | | Christchurch, N.Z. |

Journey 9 Movement Analysis - times in seconds

WRTM R1 - Cambridge/Riverlea to Church/TeRapa NB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treet Name
	Lnk Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time	
3585 - 3587	4 4	87	39.5	0.0	7.9	0.0	9.7	0.0	17.6	0.0	17.6	0.0	RIVERLEA ROAD
3587 - 4157	6 0	145	56.8	0.0	9.2	0.0	0.0	0.0	9.2	0.0	26.8	0.0	CAMBRIDGE ROAD
4157 - 10700	6 0	84	56.8	0.0	5.3	0.0	0.0	0.0	5.3	0.0	32.1	0.0	CAMBRIDGE ROAD
10700 - 3072	6 0	153	56.8	0.0	9.7	0.0	0.0	0.0	9.7	0.0	41.8	0.0	CAMBRIDGE ROAD
3072 - 3076	6 3	124	56.9	0.0	7.8	0.0	13.0	0.0	20.8	0.0	62.7	0.0	CAMBRIDGE ROAD
3076 - 5706	6 0	198	55.7	0.0	12.8	0.0	0.0	0.0	12.8	0.0	75.5	0.0	CAMBRIDGE ROAD
5706 - 5202	6 3	118	55.7	0.0	7.6	0.0	9.0	0.0	16.6	0.0	92.1	0.0	CAMBRIDGE ROAD
5202 - 5140	6 0	26	57.3	0.0	1.6	0.0	0.0	0.0	1.6	0.0	93.7	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	101.4	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	109.9	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	120.0	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	151.0	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	178.9	0.0	COBHAM DRIVE
3420 - 10642	8 0	129	77.1	0.0	6.0	0.0	0.0	0.0	6.0	0.0	185.0	0.0	COBHAM DRIVE
10642 - 3555	8 0	119	77.1	0.0	5.6	0.0	0.0	0.0	5.6	0.0	190.5	0.0	COBHAM DRIVE
3555 - 3435	8 0	171	77.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	198.5	0.0	COBHAM DRIVE
3435 - 3552	8 0	41	77.1	0.0	1.9	0.0	0.0	0.0	1.9	0.0	200.4	0.0	COBHAM DRIVE
3552 - 3436	8 0	99	77.4	0.0	4.6	0.0	3.2	0.0	7.8	0.0	208.2	0.0	COBHAM DRIVE
3436 - 3670	8 0	395	75.0	0.0	19.0	0.0	0.0	0.0	19.0	0.0	227.2	0.0	SH 1
3670 - 3509	5 0	204	39.8	0.0	18.5	0.0	0.0	0.0	18.5	0.0	245.6	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	278.9	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	282.6	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	286.2	0.0	COBHAM DRIVE
3674 - 3676	5 6	29	48.6	0.0	2.1	0.0	49.2	0.0	51.3	0.0	337.6	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	344.4	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	348.7	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	360.2	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	374.2	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	395.8	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	52.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	397.4	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	52.7	0.0	4.0	0.0	12.0	0.0	16.0	0.0	413.4	0.0	COBHAM DRIVE
3370 - 8195	5 0	99	47.9	0.0	7.4	0.0	0.0	0.0	7.4	0.0	420.8	0.0	COBHAM DRIVE
8195 - 3457	5 3	58	47.9	0.0	4.4	0.0	6.0	0.0	10.4	0.0	431.2	0.0	COBHAM DRIVE
3457 - 3768	5 0	21	49.5	0.0	1.5	0.0	0.0	0.0	1.5	0.0	432.7	0.0	ANGLESEA STREET
3768 - 6689	5 0	47	49.5	0.0	3.4	0.0	0.0	0.0	3.4	0.0	436.1	0.0	ANGLESEA STREET
6689 - 7442	5 0	168	49.4	0.0	12.2	0.0	0.0	0.0	12.2	0.0	448.4	0.0	ANGLESEA STREET
7442 - 6685	5 0	82	48.8	0.0	6.0	0.0	0.0	0.0	6.0	0.0	454.4	0.0	ANGLESEA STREET
6685 - 7072	5 6	21	49.7	0.0	1.5	0.0	35.0	0.0	36.5	0.0	490.9	0.0	ANGLESEA STREET
7072 - 8202	5 0	21	49.6	0.0	1.5	0.0	0.0	0.0	1.5	0.0	492.5	0.0	ANGLESEA STREET
8202 - 2513	5 0	46	49.6	0.0	3.3	0.0	0.0	0.0	3.3	0.0	495.8	0.0	ANGLESEA STREET
2513 - 10474	5 0	115	49.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	504.2	0.0	ANGLESEA STREET
10474 - 7193	5 7	66	49.4	0.0	4.8	0.0	30.0	0.0	34.8	0.0	539.0	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	542.9	0.0	ANGLESEA STREET
10461 - 5382	5 0	66	49.1	0.0	4.8	0.0	0.0	0.0	4.8	0.0	547.8	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	554.3	0.0	ANGLESEA STREET
2514 - 5383	5 0	58	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	558.5	0.0	ANGLESEA STREET
5383 - 5384	5 7	63	49.1	0.0	4.6	0.0	19.0	0.0	23.6	0.0	582.2	0.0	ANGLESEA STREET
5384 - 7069	5 6	123	49.1	0.0	9.0	0.0	37.0	0.0	46.0	0.0	628.2	0.0	ANGLESEA STREET
7069 - 10463	15 0	103	54.6	0.0	6.8	0.0	0.0	0.0	6.8	0.0	635.0	0.0	ANGLESEA STREET
10463 - 6868	15 7	139	54.4	0.0	9.2	0.0	38.0	0.0	47.2	0.0	682.2	0.0	ANGLESEA STREET
6868 - 10466	15 0	127	54.4	0.0	8.4	0.0	0.0	0.0	8.4	0.0	690.6	0.0	ANGLESEA STREET
10466 - 3757	15 7	116	54.4	0.0	7.7	0.0	8.0	0.0	15.7	0.0	706.2	0.0	ANGLESEA STREET
3757 - 10467	15 0	207	54.5	0.0	13.7	0.0	0.0	0.0	13.7	0.0	719.9	0.0	ANGLESEA STREET
10467 - 3758	15 0	29	54.4	0.0	1.9	0.0	0.0	0.0	1.9	0.0	721.8	0.0	ANGLESEA STREET
3758 - 3131	15 0	12	54.3	0.0	0.8	0.0	0.0	0.0	0.8	0.0	722.6	0.0	ANGLESEA STREET
3131 - 3471	15 0	172	54.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	734.0	0.0	WILLOUGHBY STREET
3471 - 3469	15 6	12	54.6	0.0	0.8	0.0	50.0	0.0	50.8	0.0	784.8	0.0	WILLOUGHBY STREET
3469 - 8221	15 0	21	52.4	0.0	1.4	0.0	0.0	0.0	1.4	0.0	786.2	0.0	MILL STREET
8221 - 3470	15 0	107	52.4	0.0	7.4	0.0	0.0	0.0	7.4	0.0	793.6	0.0	MILL STREET
3470 - 3129	15 6	122	52.1	0.0	8.4	0.0	30.0	0.0	38.4	0.0	832.0	0.0	MILL STREET
3129 - 10509	5 0	146	48.6	0.0	10.8	0.0	0.0	0.0	10.8	0.0	842.8	0.0	ULSTER STREET
10509 - 6921	5 0	101	48.6	0.0	7.5	0.0	0.0	0.0	7.5	0.0	850.3	0.0	ULSTER STREET
6921 - 6920	6 0	205	58.7	0.0	12.6	0.0	0.0	0.0	12.6	0.0	862.9	0.0	ULSTER STREET
6920 - 4759	6 0	36	58.7	0.0	2.2	0.0	0.0	0.0	2.2	0.0	865.1	0.0	ULSTER STREET
4759 - 4760	6 0	511	57.9	0.0	31.8	0.0	0.0	0.0	31.8	0.0	896.8	0.0	ULSTER STREET
4760 - 6669	6 0	171	57.9	0.0	10.6	0.0	0.0	0.0	10.6	0.0	907.5	0.0	ULSTER STREET
6669 - 8225	6 0	276	58.4	0.0	17.0	0.0	0.0	0.0	17.0	0.0	924.5	0.0	ULSTER STREET
8225 - 6670	6 7	29	58.4	0.0	1.8	0.0	49.3	0.0	51.1	0.0	975.6	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	977.2	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	983.8	0.0	TE RAPA ROAD
6671 - 4991	6 0	70	57.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	988.1	0.0	TE RAPA ROAD
4991 - 4990	6 0	158	57.7	0.0	9.9	0.0	0.0	0.0	9.9	0.0	998.0	0.0	TE RAPA ROAD
4990 - 6726	6 0	93	57.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	1003.8	0.0	TE RAPA ROAD
6726 - 10668	6 0	169	57.9	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1014.3	0.0	TE RAPA ROAD
10668 - 5111	6 0	73	57.9	0.0	4.5	0.0	0.0	0.0	4.5	0.0	1018.8	0.0	TE RAPA ROAD
5111 - 7076	6 0	86	58.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	1024.1	0.0	TE RAPA ROAD
7076 - 6865	6 0	81	58.4	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1029.1	0.0	TE RAPA ROAD
6865 - 3364	6 7	148	58.4	0.0	9.1	0.0	43.0	0.0	52.1	0.0	1081.3	0.0	TE RAPA ROAD
3364 - 3260	6 0	195	58.5	0.0	12.0	0.0	0.0	0.0	12.0	0.0	1093.3	0.0	TE RAPA ROAD
3260 - 3330	6 6	109	58.5	0.0	6.7	0.0	112.0	0.0	118.7	0.0	1212.0	0.0	TE RAPA ROAD
3330 - 3327	6 0	183	58.3	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1223.3	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	1229.0	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	1238.8	0.0	TE RAPA ROAD
6674 - 10672	6 0	86	57.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1244.3	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	1266.5	0.0	TE RAPA ROAD
6673 - 6864	6 0	428	57.3	0.0	26.9	0.0	0.0	0.0	26.9	0.0	1293.4	0.0	TE RAPA ROAD
6864 - 6672	6 7	392	56.3	0.0	25.1	0.0	44.0	0.0	69.1	0.0	1362.4	0.0	TE RAPA ROAD
6672 - 3486	15 0	101	52.4	0.0	6.9	0.0	0.0	0.0	6.9	0.0	1369.4	0.0	GREAT SOUTH ROAD
3486 - 5486	15 0	229	52.4	0.0	15.7	0.0	0.0	0.0	15.7	0.0	1385.1	0.0	GREAT SOUTH ROAD
5486 - 3480	15 7	23	53.2	0.0	1.6	0.0	45.0	0.0	46.6	0.0	1431.7	0.0	GREAT SOUTH ROAD
3480 - 5265	15 0	24	52.1	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1433.3	0.0	GREAT SOUTH ROAD
5265 - 3488	15 0	152	51.5	0.0	10.6	0.0	0.0	0.0	10.6	0.0	1444.0	0.0	GREAT SOUTH ROAD
3488 - 3514	15 0	163	51.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1455.4	0.0	GREAT SOUTH ROAD
3514 - 5874	15 0	173	51.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1467.4	0.0	GREAT SOUTH ROAD
5874 - 3501	15 7	7	53.3	0.0	0.5	0.0	44.0	0.0	44.5	0.0	1511.9	0.0	GREAT SOUTH ROAD
3501 - 5806	15 0	8	53.2	0.0	0.5	0.0	0.0	0.0	0.5	0.0	1512.5	0.0	GREAT SOUTH ROAD
5806 - 3513	15 0	60	52.6	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1516.6	0.0	GREAT SOUTH ROAD
3513 - 3511	15 0	344	52.6	0.0	23.5	0.0	0.0	0.0	23.5	0.0	1540.1	0.0	GREAT SOUTH ROAD
3511 - 3504	15 3	118	52.6	0.0	8.1	0.0	13.7	0.0	21.8	0.0	1561.9	0.0	GREAT SOUTH ROAD
Modelled Totals		13221	30.5		833.8		728.1		1561.9				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
+-----+
    
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Journey 10 Movement Analysis - times in seconds

WRTM R1 - Church/TeRapa to Cambridge/Riverlea SB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treet Name
Lnk	Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time	
3504 - 3511	15 0	118	53.0	0.0	8.0	0.0	0.0	0.0	8.0	0.0	8.0	0.0	GREAT SOUTH ROAD
3511 - 3513	15 0	344	53.0	0.0	23.4	0.0	0.0	0.0	23.4	0.0	31.4	0.0	GREAT SOUTH ROAD
3513 - 5806	15 0	60	52.9	0.0	4.1	0.0	0.0	0.0	4.1	0.0	35.5	0.0	GREAT SOUTH ROAD
5806 - 3501	15 7	8	53.7	0.0	0.5	0.0	41.0	0.0	41.5	0.0	77.0	0.0	GREAT SOUTH ROAD
3501 - 5874	15 0	7	50.8	0.0	0.5	0.0	0.0	0.0	0.5	0.0	77.5	0.0	GREAT SOUTH ROAD
5874 - 3514	15 0	173	50.7	0.0	12.3	0.0	0.0	0.0	12.3	0.0	89.8	0.0	GREAT SOUTH ROAD
3514 - 3488	15 0	163	50.7	0.0	11.6	0.0	0.0	0.0	11.6	0.0	101.4	0.0	GREAT SOUTH ROAD
3488 - 5265	15 0	152	50.7	0.0	10.8	0.0	0.0	0.0	10.8	0.0	112.1	0.0	GREAT SOUTH ROAD
5265 - 3480	15 7	24	52.7	0.0	1.6	0.0	47.0	0.0	48.6	0.0	160.8	0.0	GREAT SOUTH ROAD
3480 - 5486	15 0	23	53.1	0.0	1.6	0.0	0.0	0.0	1.6	0.0	162.3	0.0	GREAT SOUTH ROAD
5486 - 3486	15 0	229	53.0	0.0	15.6	0.0	0.0	0.0	15.6	0.0	177.9	0.0	GREAT SOUTH ROAD
3486 - 6672	15 7	101	53.5	0.0	6.8	0.0	50.0	0.0	56.8	0.0	234.7	0.0	GREAT SOUTH ROAD
6672 - 6864	6 0	392	57.4	0.0	24.6	0.0	0.0	0.0	24.6	0.0	259.3	0.0	TE RAPA ROAD
6864 - 6673	6 3	428	57.7	0.0	26.7	0.0	14.0	0.0	40.7	0.0	300.0	0.0	TE RAPA ROAD
6673 - 10672	6 0	178	56.2	0.0	11.4	0.0	0.0	0.0	11.4	0.0	311.4	0.0	TE RAPA ROAD
10672 - 6674	6 0	86	56.0	0.0	5.5	0.0	0.0	0.0	5.5	0.0	316.9	0.0	TE RAPA ROAD
6674 - 6863	6 0	156	56.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	326.9	0.0	TE RAPA ROAD
6863 - 3327	6 0	91	56.1	0.0	5.8	0.0	0.0	0.0	5.8	0.0	332.8	0.0	TE RAPA ROAD
3327 - 3330	6 6	183	57.2	0.0	11.5	0.0	84.0	0.0	95.5	0.0	428.3	0.0	TE RAPA ROAD
3330 - 3260	6 0	109	56.5	0.0	6.9	0.0	0.0	0.0	6.9	0.0	435.2	0.0	TE RAPA ROAD
3260 - 3364	6 7	195	56.5	0.0	12.4	0.0	29.0	0.0	41.4	0.0	476.7	0.0	TE RAPA ROAD
3364 - 6865	6 0	148	56.2	0.0	9.5	0.0	0.0	0.0	9.5	0.0	486.2	0.0	TE RAPA ROAD
6865 - 7076	6 0	81	56.2	0.0	5.2	0.0	0.0	0.0	5.2	0.0	491.3	0.0	TE RAPA ROAD
7076 - 5111	6 0	86	56.2	0.0	5.5	0.0	0.0	0.0	5.5	0.0	496.9	0.0	TE RAPA ROAD
5111 - 10668	6 0	73	55.7	0.0	4.7	0.0	0.0	0.0	4.7	0.0	501.6	0.0	TE RAPA ROAD
10668 - 6726	6 0	169	55.7	0.0	10.9	0.0	0.0	0.0	10.9	0.0	512.5	0.0	TE RAPA ROAD
6726 - 4990	6 0	93	55.3	0.0	6.1	0.0	0.0	0.0	6.1	0.0	518.5	0.0	TE RAPA ROAD
4990 - 4991	6 0	158	55.6	0.0	10.2	0.0	0.0	0.0	10.2	0.0	528.8	0.0	TE RAPA ROAD
4991 - 6671	6 0	70	55.6	0.0	4.5	0.0	0.0	0.0	4.5	0.0	533.3	0.0	TE RAPA ROAD
6671 - 8222	6 0	104	54.9	0.0	6.8	0.0	0.0	0.0	6.8	0.0	540.1	0.0	TE RAPA ROAD
8222 - 6670	6 7	26	54.9	0.0	1.7	0.0	34.0	0.0	35.7	0.0	575.8	0.0	TE RAPA ROAD
6670 - 8225	6 0	29	57.0	0.0	1.8	0.0	0.0	0.0	1.8	0.0	577.7	0.0	ULSTER STREET
8225 - 6669	6 0	276	56.8	0.0	17.5	0.0	0.0	0.0	17.5	0.0	595.2	0.0	ULSTER STREET
6669 - 4760	6 0	171	57.2	0.0	10.8	0.0	0.0	0.0	10.8	0.0	605.9	0.0	ULSTER STREET
4760 - 4759	6 0	511	56.8	0.0	32.4	0.0	0.0	0.0	32.4	0.0	638.3	0.0	ULSTER STREET
4759 - 6920	6 0	36	56.9	0.0	2.3	0.0	0.0	0.0	2.3	0.0	640.6	0.0	
6920 - 6921	6 0	205	56.9	0.0	13.0	0.0	0.0	0.0	13.0	0.0	653.6	0.0	ULSTER STREET
6921 - 10509	5 0	101	46.3	0.0	7.9	0.0	0.0	0.0	7.9	0.0	661.4	0.0	ULSTER STREET
10509 - 3129	5 7	146	46.3	0.0	11.4	0.0	36.0	0.0	47.4	0.0	708.8	0.0	ULSTER STREET
3129 - 3470	15 0	122	52.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	717.2	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	724.6	0.0	MILL STREET
8221 - 3471	15 2	24	54.1	0.0	1.6	0.0	3.6	0.0	5.2	0.0	729.8	0.0	
3471 - 3131	15 0	172	53.2	0.0	11.6	0.0	0.0	0.0	11.6	0.0	741.4	0.0	WILLOUGHBY STREET
3131 - 3758	15 0	12	52.8	0.0	0.8	0.0	0.0	0.0	0.8	0.0	742.2	0.0	
3758 - 10467	15 0	29	53.4	0.0	2.0	0.0	0.0	0.0	2.0	0.0	744.2	0.0	ANGLESEA STREET
10467 - 3757	15 7	207	53.5	0.0	13.9	0.0	20.0	0.0	33.9	0.0	778.1	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	785.9	0.0	ANGLESEA STREET
10466 - 6868	15 7	127	53.8	0.0	8.5	0.0	17.0	0.0	25.5	0.0	811.4	0.0	ANGLESEA STREET
6868 - 10463	15 0	139	54.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	820.6	0.0	ANGLESEA STREET
10463 - 7069	15 6	103	53.6	0.0	6.9	0.0	38.0	0.0	44.9	0.0	865.6	0.0	ANGLESEA STREET
7069 - 5384	5 7	123	48.8	0.0	9.1	0.0	19.0	0.0	28.1	0.0	893.6	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	898.2	0.0	ANGLESEA STREET
5383 - 2514	5 0	58	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	902.5	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	909.0	0.0	ANGLESEA STREET
5382 - 10461	5 0	66	49.4	0.0	4.8	0.0	0.0	0.0	4.8	0.0	913.8	0.0	ANGLESEA STREET
10461 - 7193	5 7	54	49.4	0.0	3.9	0.0	30.0	0.0	33.9	0.0	947.8	0.0	ANGLESEA STREET
7193 - 10474	5 0	66	49.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	952.6	0.0	ANGLESEA STREET
10474 - 2513	5 0	115	49.2	0.0	8.4	0.0	0.0	0.0	8.4	0.0	961.0	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	964.4	0.0	ANGLESEA STREET
8202 - 7072	5 6	21	49.4	0.0	1.5	0.0	36.0	0.0	37.5	0.0	1001.9	0.0	ANGLESEA STREET
7072 - 6685	5 0	21	49.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1003.5	0.0	
6685 - 7442	5 0	82	49.0	0.0	6.0	0.0	0.0	0.0	6.0	0.0	1009.5	0.0	ANGLESEA STREET
7442 - 6689	5 0	168	48.8	0.0	12.4	0.0	0.0	0.0	12.4	0.0	1021.9	0.0	ANGLESEA STREET
6689 - 3768	5 0	47	48.4	0.0	3.5	0.0	0.0	0.0	3.5	0.0	1025.4	0.0	ANGLESEA STREET
3768 - 3457	5 3	21	48.4	0.0	1.6	0.0	14.0	0.0	15.6	0.0	1040.9	0.0	ANGLESEA STREET
3457 - 8195	5 0	58	47.7	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1045.3	0.0	COBHAM DRIVE
8195 - 8194	5 2	127	46.1	0.0	9.9	0.0	8.5	0.0	18.4	0.0	1063.7	0.0	COBHAM DRIVE
8194 - 3936	15 0	24	50.4	0.0	1.7	0.0	0.0	0.0	1.7	0.0	1065.4	0.0	COBHAM DRIVE
3936 - 3672	7 0	408	66.1	0.0	22.2	0.0	0.0	0.0	22.2	0.0	1087.7	0.0	COBHAM DRIVE
3672 - 10483	7 0	264	65.7	0.0	14.5	0.0	0.0	0.0	14.5	0.0	1102.1	0.0	COBHAM DRIVE
10483 - 3677	7 0	298	65.7	0.0	16.3	0.0	0.0	0.0	16.3	0.0	1118.5	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	65.7	0.0	7.2	0.0	12.0	0.0	19.2	0.0	1137.6	0.0	COBHAM DRIVE
3676 - 3674	5 0	29	45.1	0.0	2.3	0.0	0.0	0.0	2.3	0.0	1139.9	0.0	COBHAM DRIVE
3674 - 3673	5 0	49	45.1	0.0	3.9	0.0	4.3	0.0	8.2	0.0	1148.2	0.0	COBHAM DRIVE
3673 - 3099	5 0	50	12.7	0.0	14.2	0.0	0.0	0.0	14.2	0.0	1162.3	0.0	COBHAM DRIVE
3099 - 3509	5 0	429	12.7	0.0	121.6	0.0	0.0	0.0	121.6	0.0	1283.9	0.0	COBHAM DRIVE
3509 - 3670	5 0	204	12.7	0.0	57.8	0.0	0.0	0.0	57.8	0.0	1341.8	0.0	COBHAM BRIDGE
3670 - 3436	8 0	395	76.5	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1360.4	0.0	SH 1
3436 - 3552	8 0	99	76.5	0.0	4.7	0.0	0.0	0.0	4.7	0.0	1365.0	0.0	COBHAM DRIVE
3552 - 3435	8 0	41	75.8	0.0	1.9	0.0	0.0	0.0	1.9	0.0	1367.0	0.0	COBHAM DRIVE
3435 - 3555	8 0	171	75.8	0.0	8.1	0.0	0.0	0.0	8.1	0.0	1375.1	0.0	COBHAM DRIVE



3555 - 10642	8	0	119	75.9	0.0	5.6	0.0	0.0	0.0	5.6	0.0	1380.7	0.0	COBHAM DRIVE
10642 - 3420	8	3	129	75.9	0.0	6.1	0.0	15.0	0.0	21.1	0.0	1401.8	0.0	COBHAM DRIVE
3420 - 3421	8	0	236	76.5	0.0	11.1	0.0	0.0	0.0	11.1	0.0	1412.9	0.0	COBHAM DRIVE
3421 - 4897	8	0	667	76.5	0.0	31.4	0.0	0.0	0.0	31.4	0.0	1444.3	0.0	COBHAM DRIVE
4897 - 10699	6	0	160	56.2	0.0	10.2	0.0	0.0	0.0	10.2	0.0	1454.6	0.0	COBHAM DRIVE
10699 - 5143	6	0	136	56.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	1463.3	0.0	COBHAM DRIVE
5143 - 5140	6	0	121	56.2	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1471.0	0.0	COBHAM DRIVE
5140 - 5202	6	3	26	56.2	0.0	1.7	0.0	20.0	0.0	21.7	0.0	1492.7	0.0	COBHAM DRIVE
5202 - 5706	6	0	118	55.0	0.0	7.7	0.0	0.0	0.0	7.7	0.0	1500.4	0.0	CAMBRIDGE ROAD
5706 - 3076	6	3	198	55.0	0.0	13.0	0.0	18.0	0.0	31.0	0.0	1531.4	0.0	CAMBRIDGE ROAD
3076 - 3072	6	0	124	56.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1539.4	0.0	CAMBRIDGE ROAD
3072 - 10700	6	0	153	56.1	0.0	9.8	0.0	3.9	0.0	13.7	0.0	1553.1	0.0	CAMBRIDGE ROAD
10700 - 4157	6	0	84	40.1	0.0	7.5	0.0	0.0	0.0	7.5	0.0	1560.6	0.0	CAMBRIDGE ROAD
4157 - 3587	6	0	145	42.6	0.0	12.3	0.0	0.0	0.0	12.3	0.0	1572.9	0.0	CAMBRIDGE ROAD
3587 - 3586	7	0	80	59.4	0.0	4.8	0.0	0.2	0.0	5.0	0.0	1577.9	0.0	CAMBRIDGE ROAD
Modelled Totals	13174	30.1				983.4		594.5		1577.9				
Observed Totals					0.0			0.0		0.0			0.0	

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 11 Movement Analysis - times in seconds

WRTM R2 - Ohaupo/Lorne to Galloway/Cobham EB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treet Name
	Lnk Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time	
5535 - 8248	5 4	27	46.6	0.0	2.1	0.0	21.5	0.0	23.6	0.0	23.6	0.0	
8248 - 2531	6 0	68	57.0	0.0	4.3	0.0	0.0	0.0	4.3	0.0	27.9	0.0	SH 1
2531 - 4514	6 0	57	53.2	0.0	3.9	0.0	0.0	0.0	3.9	0.0	31.7	0.0	SH 1
4514 - 6683	6 0	108	54.2	0.0	7.2	0.0	0.0	0.0	7.2	0.0	38.9	0.0	KAHIKATEA DRIVE
6683 - 5351	7 0	181	65.5	0.0	9.9	0.0	0.0	0.0	9.9	0.0	48.9	0.0	KAHIKATEA DRIVE
5351 - 5251	7 0	88	65.5	0.0	4.8	0.0	0.0	0.0	4.8	0.0	53.7	0.0	KAHIKATEA DRIVE
5251 - 5253	7 0	58	65.5	0.0	3.2	0.0	0.0	0.0	3.2	0.0	56.9	0.0	KAHIKATEA DRIVE
5253 - 3683	7 0	68	65.5	0.0	3.7	0.0	0.0	0.0	3.7	0.0	60.6	0.0	KAHIKATEA DRIVE
3683 - 10639	7 0	64	65.5	0.0	3.5	0.0	0.0	0.0	3.5	0.0	64.1	0.0	KAHIKATEA DRIVE
10639 - 5323	7 0	118	65.5	0.0	6.5	0.0	0.0	0.0	6.5	0.0	70.6	0.0	KAHIKATEA DRIVE
5323 - 4709	7 0	235	65.5	0.0	12.9	0.0	0.0	0.0	12.9	0.0	83.5	0.0	KAHIKATEA DRIVE
4709 - 3175	7 0	293	61.9	0.0	17.0	0.0	0.2	0.0	17.2	0.0	100.8	0.0	SH 1
3175 - 4793	7 0	230	61.9	0.0	13.4	0.0	1.0	0.0	14.4	0.0	115.2	0.0	SH 1
4793 - 5194	7 0	84	62.0	0.0	4.9	0.0	0.0	0.0	4.9	0.0	120.0	0.0	KAHIKATEA DRIVE
5194 - 6938	7 0	80	60.4	0.0	4.8	0.0	2.0	0.0	6.8	0.0	126.8	0.0	KAHIKATEA DRIVE
6938 - 3917	7 0	117	57.7	0.0	7.3	0.0	0.0	0.0	7.3	0.0	134.1	0.0	KAHIKATEA DRIVE
3917 - 3177	8 0	321	74.4	0.0	15.5	0.0	0.0	0.0	15.5	0.0	149.6	0.0	GREENWOOD STREET
3177 - 10650	8 0	417	74.1	0.0	20.3	0.0	0.0	0.0	20.3	0.0	169.9	0.0	GREENWOOD STREET
10650 - 4758	8 0	239	74.1	0.0	11.6	0.0	0.0	0.0	11.6	0.0	181.5	0.0	GREENWOOD STREET
4758 - 5960	8 0	150	77.0	0.0	7.0	0.0	0.0	0.0	7.0	0.0	188.5	0.0	GREENWOOD STREET
5960 - 4757	8 7	8	78.1	0.0	0.4	0.0	37.0	0.0	37.4	0.0	225.9	0.0	GREENWOOD STREET
4757 - 8815	8 0	11	77.9	0.0	0.5	0.0	0.0	0.0	0.5	0.0	226.4	0.0	GREENWOOD STREET
8815 - 3377	8 0	331	77.6	0.0	15.4	0.0	0.0	0.0	15.4	0.0	241.8	0.0	GREENWOOD STREET
3377 - 8210	8 0	299	77.4	0.0	13.9	0.0	0.0	0.0	13.9	0.0	255.7	0.0	GREENWOOD STREET
8210 - 3376	5 6	18	46.3	0.0	1.4	0.0	39.0	0.0	40.4	0.0	296.1	0.0	GREENWOOD STREET
3376 - 8211	5 0	16	47.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	297.3	0.0	LINCOLN STREET
8211 - 4755	7 0	37	68.0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	299.2	0.0	LINCOLN STREET
4755 - 4756	8 0	69	78.1	0.0	3.2	0.0	0.0	0.0	3.2	0.0	302.4	0.0	LINCOLN STREET
4756 - 10496	8 0	102	76.4	0.0	4.8	0.0	0.0	0.0	4.8	0.0	307.2	0.0	LINCOLN STREET
10496 - 4988	8 0	175	76.4	0.0	8.2	0.0	0.0	0.0	8.2	0.0	315.5	0.0	LINCOLN STREET
4988 - 8207	8 0	115	76.3	0.0	5.4	0.0	0.0	0.0	5.4	0.0	320.9	0.0	LINCOLN STREET
8207 - 10497	8 0	78	76.3	0.0	3.7	0.0	0.0	0.0	3.7	0.0	324.6	0.0	LINCOLN STREET
10497 - 3455	8 0	226	76.3	0.0	10.7	0.0	0.0	0.0	10.7	0.0	335.2	0.0	LINCOLN STREET
3455 - 3456	8 3	117	76.3	0.0	5.5	0.0	28.0	0.0	33.5	0.0	368.8	0.0	LINCOLN STREET
3456 - 5538	8 3	1982	74.5	0.0	95.8	0.0	21.0	0.0	116.8	0.0	485.5	0.0	AVALON DRIVE BYPASS
5538 - 10660	8 0	132	76.8	0.0	6.2	0.0	0.0	0.0	6.2	0.0	491.7	0.0	SH 1
10660 - 2518	8 0	110	76.8	0.0	5.2	0.0	0.0	0.0	5.2	0.0	496.9	0.0	SH 1
2518 - 10664	8 0	530	76.8	0.0	24.8	0.0	0.0	0.0	24.8	0.0	521.7	0.0	AVALON DRIVE
10664 - 3285	8 6	195	76.7	0.0	9.2	0.0	99.0	0.0	108.2	0.0	629.9	0.0	AVALON DRIVE
3285 - 10428	8 0	149	77.1	0.0	7.0	0.0	0.0	0.0	7.0	0.0	636.8	0.0	AVALON DRIVE
10428 - 5113	8 0	491	77.1	0.0	22.9	0.0	0.0	0.0	22.9	0.0	659.8	0.0	AVALON DRIVE
5113 - 7498	8 0	178	78.6	0.0	8.2	0.0	0.0	0.0	8.2	0.0	667.9	0.0	AVALON DRIVE
7498 - 6311	8 7	17	79.1	0.0	0.8	0.0	14.9	0.0	15.7	0.0	683.6	0.0	AVALON DRIVE
6311 - 6276	7 6	94	68.3	0.0	5.0	0.0	24.0	0.0	29.0	0.0	712.5	0.0	WAIRERE DRIVE
6276 - 8147	7 0	80	68.4	0.0	4.2	0.0	2.5	0.0	6.7	0.0	719.2	0.0	WAIRERE DRIVE
8147 - 7706	7 0	40	67.0	0.0	2.1	0.0	0.0	0.0	2.1	0.0	721.4	0.0	WAIRERE DRIVE
7706 - 3483	7 0	586	67.0	0.0	31.5	0.0	0.0	0.0	31.5	0.0	752.9	0.0	WAIRERE DRIVE
3483 - 5479	8 0	99	78.5	0.0	4.5	0.0	0.0	0.0	4.5	0.0	757.4	0.0	WAIRERE DRIVE
5479 - 5478	8 0	32	79.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	758.9	0.0	WAIRERE DRIVE
5478 - 3480	8 6	20	79.0	0.0	0.9	0.0	59.0	0.0	59.9	0.0	818.8	0.0	WAIRERE DRIVE
3480 - 5472	8 0	19	79.2	0.0	0.9	0.0	0.0	0.0	0.9	0.0	819.7	0.0	WAIRERE DRIVE
5472 - 3487	8 0	178	77.4	0.0	8.3	0.0	0.0	0.0	8.3	0.0	827.9	0.0	WAIRERE DRIVE
3487 - 3648	8 0	93	76.6	0.0	4.4	0.0	0.0	0.0	4.4	0.0	832.3	0.0	WAIRERE DRIVE
3648 - 5261	8 0	50	76.6	0.0	2.3	0.0	0.0	0.0	2.3	0.0	834.7	0.0	WAIRERE DRIVE
5261 - 5203	8 0	34	77.0	0.0	1.6	0.0	0.0	0.0	1.6	0.0	836.2	0.0	WAIRERE DRIVE
5203 - 3644	8 6	25	77.0	0.0	1.2	0.0	46.0	0.0	47.2	0.0	883.4	0.0	WAIRERE DRIVE
3644 - 5162	8 0	22	75.2	0.0	1.1	0.0	0.0	0.0	1.1	0.0	884.5	0.0	WAIRERE DRIVE
5162 - 3939	8 0	85	74.7	0.0	4.1	0.0	0.0	0.0	4.1	0.0	888.6	0.0	WAIRERE DRIVE
3939 - 10675	8 0	546	74.7	0.0	26.3	0.0	0.0	0.0	26.3	0.0	914.9	0.0	WAIRERE DRIVE
10675 - 8291	8 0	533	74.7	0.0	25.7	0.0	10.7	0.0	36.4	0.0	951.3	0.0	WAIRERE DRIVE
8291 - 3652	8 0	229	5.8	0.0	142.1	0.0	0.0	0.0	142.1	0.0	1093.4	0.0	WAIRERE DRIVE
3652 - 8293	8 0	105	74.7	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1098.5	0.0	WAIRERE DRIVE
8293 - 3526	8 6	12	76.2	0.0	0.6	0.0	47.0	0.0	47.6	0.0	1146.0	0.0	WAIRERE DRIVE
3526 - 8315	8 0	12	76.9	0.0	0.6	0.0	0.0	0.0	0.6	0.0	1146.6	0.0	WAIRERE DRIVE
8315 - 3502	8 4	551	69.8	0.0	28.4	0.0	17.5	0.0	45.9	0.0	1192.5	0.0	WAIRERE DRIVE
3502 - 3503	6 0	65	55.6	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1196.7	0.0	-- no name --
3503 - 3505	6 0	63	56.0	0.0	4.1	0.0	0.0	0.0	4.1	0.0	1200.8	0.0	-- no name --
3505 - 3543	8 0	133	75.6	0.0	6.3	0.0	0.0	0.0	6.3	0.0	1207.1	0.0	WAIRERE DRIVE
3543 - 3563	8 0	1004	75.6	0.0	47.8	0.0	0.0	0.0	47.8	0.0	1254.9	0.0	WAIRERE DRIVE
3563 - 3558	7 3	112	67.7	0.0	6.0	0.0	20.0	0.0	26.0	0.0	1280.9	0.0	WAIRERE DRIVE
3558 - 3562	5 0	95	47.8	0.0	7.2	0.0	2.6	0.0	9.8	0.0	1290.6	0.0	HUKANUI ROAD
3562 - 4783	5 0	55	45.7	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1295.0	0.0	HUKANUI ROAD
4783 - 7279	5 0	78	46.4	0.0	6.1	0.0	0.0	0.0	6.1	0.0	1301.0	0.0	HUKANUI ROAD
7279 - 7278	5 0	114	46.4	0.0	8.8	0.0	0.0	0.0	8.8	0.0	1309.8	0.0	HUKANUI ROAD
7278 - 7144	5 0	243	47.1	0.0	18.6	0.0	0.0	0.0	18.6	0.0	1328.4	0.0	HUKANUI ROAD
7144 - 6963	5 0	47	47.1	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1332.0	0.0	HUKANUI ROAD
6963 - 2979	5 0	55	47.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1336.2	0.0	HUKANUI ROAD
2979 - 3446	5 0	307	46.1	0.0	24.0	0.0	0.0	0.0	24.0	0.0	1360.2	0.0	HUKANUI ROAD
3446 - 2991	5 0	143	45.6	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1371.5	0.0	HUKANUI ROAD
2991 - 6872	5 0	57	46.2	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1375.9	0.0	HUKANUI ROAD
6872 - 10401	5 0	365	46.3	0.0	28.4	0.0	0.0	0.0	28.4	0.0	1404.3	0.0	HUKANUI ROAD
10401 - 6870	5 0	37	47.0	0.0	2.8	0.0	0.0	0.0	2.8	0.0	1407.1	0.0	HUKANUI ROAD

6870 - 7140	5	0	98	46.7	0.0	7.6	0.0	0.0	0.0	7.6	0.0	1414.7	0.0	HUKANUI ROAD
7140 - 7137	5	0	263	46.7	0.0	20.3	0.0	0.0	0.0	20.3	0.0	1435.0	0.0	HUKANUI ROAD
7137 - 3710	5	0	343	46.8	0.0	26.4	0.0	0.0	0.0	26.4	0.0	1461.3	0.0	
3710 - 6691	5	3	127	46.6	0.0	9.8	0.0	10.0	0.0	19.8	0.0	1481.2	0.0	HUKANUI ROAD
6691 - 6693	14	0	98	42.3	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1489.5	0.0	PEACHGROVE ROAD
6693 - 4151	14	0	132	42.3	0.0	11.2	0.0	0.0	0.0	11.2	0.0	1500.7	0.0	PEACHGROVE ROAD
4151 - 4998	14	0	261	42.4	0.0	22.2	0.0	0.0	0.0	22.2	0.0	1522.9	0.0	PEACHGROVE ROAD
4998 - 6760	14	0	138	42.2	0.0	11.8	0.0	0.0	0.0	11.8	0.0	1534.7	0.0	PEACHGROVE ROAD
6760 - 5197	14	0	199	42.4	0.0	16.9	0.0	2.0	0.0	18.9	0.0	1553.6	0.0	PEACHGROVE ROAD
5197 - 4975	14	0	180	42.5	0.0	15.2	0.0	0.8	0.0	16.0	0.0	1569.6	0.0	PEACHGROVE ROAD
4975 - 6862	14	0	59	42.4	0.0	5.0	0.0	0.0	0.0	5.0	0.0	1574.6	0.0	PEACHGROVE ROAD
6862 - 4927	14	0	54	42.3	0.0	4.6	0.0	0.0	0.0	4.6	0.0	1579.2	0.0	PEACHGROVE ROAD
4927 - 3437	14	0	139	42.3	0.0	11.8	0.0	0.0	0.0	11.8	0.0	1591.0	0.0	PEACHGROVE ROAD
3437 - 3439	14	3	18	42.3	0.0	1.5	0.0	10.0	0.0	11.5	0.0	1602.6	0.0	PEACHGROVE ROAD
3439 - 3007	14	0	135	42.2	0.0	11.5	0.0	0.0	0.0	11.5	0.0	1614.1	0.0	PEACHGROVE ROAD
3007 - 6925	14	0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	1624.8	0.0	PEACHGROVE ROAD
6925 - 4107	14	0	307	42.6	0.0	25.9	0.0	0.0	0.0	25.9	0.0	1650.8	0.0	PEACHGROVE ROAD
4107 - 5318	14	0	113	42.6	0.0	9.5	0.0	1.0	0.0	10.5	0.0	1661.3	0.0	PEACHGROVE ROAD
5318 - 8205	14	0	86	42.5	0.0	7.3	0.0	0.0	0.0	7.3	0.0	1668.6	0.0	PEACHGROVE ROAD
8205 - 8203	14	0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	1672.5	0.0	PEACHGROVE ROAD
8203 - 10556	14	0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1677.4	0.0	PEACHGROVE ROAD
10556 - 8240	14	0	143	42.4	0.0	12.1	0.0	0.0	0.0	12.1	0.0	1689.5	0.0	PEACHGROVE ROAD
8240 - 3367	14	6	39	43.9	0.0	3.2	0.0	66.0	0.0	69.2	0.0	1758.7	0.0	PEACHGROVE ROAD
3367 - 7454	14	0	77	42.7	0.0	6.5	0.0	0.8	0.0	7.3	0.0	1766.0	0.0	PEACHGROVE ROAD
7454 - 5086	14	0	133	42.7	0.0	11.2	0.0	0.8	0.0	12.0	0.0	1778.1	0.0	PEACHGROVE ROAD
5086 - 5085	14	0	95	42.7	0.0	8.0	0.0	0.0	0.0	8.0	0.0	1786.1	0.0	PEACHGROVE ROAD
5085 - 5087	14	0	41	42.7	0.0	3.5	0.0	2.0	0.0	5.5	0.0	1791.5	0.0	PEACHGROVE ROAD
5087 - 10647	14	0	160	42.5	0.0	13.6	0.0	0.0	0.0	13.6	0.0	1805.1	0.0	PEACHGROVE ROAD
10647 - 5316	14	0	99	42.5	0.0	8.4	0.0	0.0	0.0	8.4	0.0	1813.5	0.0	PEACHGROVE ROAD
5316 - 3055	14	0	83	42.5	0.0	7.0	0.0	1.0	0.0	8.0	0.0	1821.5	0.0	PEACHGROVE ROAD
3055 - 5084	14	0	183	42.6	0.0	15.5	0.0	0.0	0.0	15.5	0.0	1837.0	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	1852.3	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	1855.4	0.0	PEACHGROVE ROAD
8236 - 3057	14	7	31	42.8	0.0	2.6	0.0	24.0	0.0	26.6	0.0	1882.0	0.0	PEACHGROVE ROAD
3057 - 8239	14	0	26	42.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	1884.2	0.0	GALLOWAY STREET
8239 - 6723	14	0	232	42.4	0.0	19.7	0.0	0.0	0.0	19.7	0.0	1903.9	0.0	GALLOWAY STREET
6723 - 10644	14	0	98	42.3	0.0	8.3	0.0	0.0	0.0	8.3	0.0	1912.2	0.0	GALLOWAY STREET
10644 - 6722	14	0	106	42.6	0.0	9.0	0.0	0.0	0.0	9.0	0.0	1921.2	0.0	GALLOWAY STREET
6722 - 5120	14	0	92	42.5	0.0	7.8	0.0	0.0	0.0	7.8	0.0	1929.0	0.0	GALLOWAY STREET
5120 - 5119	14	0	32	42.7	0.0	2.7	0.0	0.0	0.0	2.7	0.0	1931.7	0.0	
5119 - 5121	14	0	121	42.9	0.0	10.2	0.0	0.0	0.0	10.2	0.0	1941.8	0.0	GALLOWAY STREET
5121 - 7895	14	0	155	42.9	0.0	13.0	0.0	0.0	0.0	13.0	0.0	1954.8	0.0	GALLOWAY STREET
7895 - 7894	14	7	91	42.9	0.0	7.6	0.0	18.0	0.0	25.6	0.0	1980.5	0.0	GALLOWAY STREET
7894 - 7897	14	0	240	44.1	0.0	19.6	0.0	1.2	0.0	20.8	0.0	2001.3	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	2011.8	0.0	GALLOWAY STREET
8676 - 3420	14	3	112	43.9	0.0	9.2	0.0	19.1	0.0	28.3	0.0	2040.0	0.0	GALLOWAY STREET
Modelled Totals	20524	36.2			1390.4		649.6		2040.0					
Observed Totals					0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                               Gabites Porter |
|                                                       | Christchurch, N.Z. |
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Journey 12 Movement Analysis - times in seconds

WRTM R2 - Galloway/Cobham to Ohaupo/Lorne WB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treet 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	44.0	0.0	19.6	0.0	17.0	0.0	36.6	0.0	57.6	0.0	GALLOWAY STREET
7894 - 7895	14 0	91	43.7	0.0	7.5	0.0	0.0	0.0	7.5	0.0	65.1	0.0	GALLOWAY STREET
7895 - 5121	14 0	155	43.7	0.0	12.8	0.0	0.0	0.0	12.8	0.0	77.9	0.0	GALLOWAY STREET
5121 - 5119	14 0	121	43.6	0.0	10.0	0.0	0.0	0.0	10.0	0.0	87.9	0.0	GALLOWAY STREET
5119 - 5120	14 0	32	43.7	0.0	2.6	0.0	0.0	0.0	2.6	0.0	90.5	0.0	GALLOWAY STREET
5120 - 6722	14 0	92	43.7	0.0	7.6	0.0	1.0	0.0	8.6	0.0	99.1	0.0	GALLOWAY STREET
6722 - 10644	14 0	106	43.7	0.0	8.7	0.0	0.0	0.0	8.7	0.0	107.8	0.0	GALLOWAY STREET
10644 - 6723	14 0	98	43.7	0.0	8.1	0.0	1.0	0.0	9.1	0.0	116.9	0.0	GALLOWAY STREET
6723 - 8239	14 0	232	43.8	0.0	19.1	0.0	0.0	0.0	19.1	0.0	136.0	0.0	GALLOWAY STREET
8239 - 3057	14 7	26	43.8	0.0	2.1	0.0	23.0	0.0	25.1	0.0	161.1	0.0	GALLOWAY STREET
3057 - 8236	14 0	31	43.8	0.0	2.5	0.0	0.0	0.0	2.5	0.0	163.7	0.0	PEACHGROVE ROAD
8236 - 3058	14 0	37	42.6	0.0	3.1	0.0	0.0	0.0	3.1	0.0	166.8	0.0	PEACHGROVE ROAD
3058 - 5084	14 0	182	42.6	0.0	15.4	0.0	0.0	0.0	15.4	0.0	182.2	0.0	PEACHGROVE ROAD
5084 - 3055	14 0	183	42.6	0.0	15.5	0.0	1.0	0.0	16.5	0.0	198.6	0.0	PEACHGROVE ROAD
3055 - 5316	14 0	83	42.8	0.0	7.0	0.0	0.7	0.0	7.7	0.0	206.3	0.0	PEACHGROVE ROAD
5316 - 10647	14 0	99	42.8	0.0	8.3	0.0	0.0	0.0	8.3	0.0	214.6	0.0	PEACHGROVE ROAD
10647 - 5087	14 0	160	42.7	0.0	13.5	0.0	2.0	0.0	15.5	0.0	230.1	0.0	PEACHGROVE ROAD
5087 - 5085	14 0	41	43.4	0.0	3.4	0.0	0.5	0.0	3.9	0.0	234.0	0.0	PEACHGROVE ROAD
5085 - 5086	14 0	95	43.4	0.0	7.9	0.0	0.0	0.0	7.9	0.0	241.9	0.0	PEACHGROVE ROAD
5086 - 7454	14 0	133	43.4	0.0	11.0	0.0	0.0	0.0	11.0	0.0	252.9	0.0	PEACHGROVE ROAD
7454 - 3367	14 6	77	43.4	0.0	6.4	0.0	63.0	0.0	69.4	0.0	322.3	0.0	PEACHGROVE ROAD
3367 - 8240	14 0	39	42.5	0.0	3.3	0.0	0.0	0.0	3.3	0.0	325.6	0.0	PEACHGROVE ROAD
8240 - 10556	14 0	143	42.5	0.0	12.1	0.0	0.0	0.0	12.1	0.0	337.8	0.0	PEACHGROVE ROAD
10556 - 8203	14 0	58	42.5	0.0	4.9	0.0	0.0	0.0	4.9	0.0	342.7	0.0	PEACHGROVE ROAD
8203 - 8205	14 0	46	42.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	346.6	0.0	PEACHGROVE ROAD
8205 - 5318	14 0	86	42.5	0.0	7.3	0.0	1.0	0.0	8.3	0.0	354.8	0.0	PEACHGROVE ROAD
5318 - 4107	14 0	113	42.6	0.0	9.5	0.0	0.0	0.0	9.5	0.0	364.4	0.0	PEACHGROVE ROAD
4107 - 6925	14 0	307	42.6	0.0	25.9	0.0	1.0	0.0	26.9	0.0	391.3	0.0	PEACHGROVE ROAD
6925 - 3007	14 0	127	42.6	0.0	10.7	0.0	0.0	0.0	10.7	0.0	402.1	0.0	PEACHGROVE ROAD
3007 - 3439	14 3	135	42.5	0.0	11.4	0.0	9.0	0.0	20.4	0.0	422.5	0.0	PEACHGROVE ROAD
3439 - 3437	14 0	18	41.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	424.1	0.0	PEACHGROVE ROAD
3437 - 4927	14 0	139	41.7	0.0	12.0	0.0	1.0	0.0	13.0	0.0	437.1	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	441.7	0.0	PEACHGROVE ROAD
6862 - 4975	14 0	59	42.0	0.0	5.1	0.0	1.0	0.0	6.1	0.0	447.8	0.0	PEACHGROVE ROAD
4975 - 5197	14 0	180	42.1	0.0	15.4	0.0	1.0	0.0	16.4	0.0	464.2	0.0	PEACHGROVE ROAD
5197 - 6760	14 0	199	42.2	0.0	17.0	0.0	0.0	0.0	17.0	0.0	481.1	0.0	PEACHGROVE ROAD
6760 - 4998	14 0	138	42.1	0.0	11.8	0.0	1.0	0.0	12.8	0.0	493.9	0.0	PEACHGROVE ROAD
4998 - 4151	14 0	261	42.3	0.0	22.2	0.0	0.0	0.0	22.2	0.0	516.2	0.0	PEACHGROVE ROAD
4151 - 6693	14 0	132	42.2	0.0	11.3	0.0	0.0	0.0	11.3	0.0	527.4	0.0	PEACHGROVE ROAD
6693 - 6691	14 3	98	42.2	0.0	8.4	0.0	9.0	0.0	17.4	0.0	544.8	0.0	PEACHGROVE ROAD
6691 - 3710	5 0	127	46.6	0.0	9.8	0.0	0.0	0.0	9.8	0.0	554.6	0.0	HUKANUI ROAD
3710 - 7137	5 0	343	46.6	0.0	26.5	0.0	0.0	0.0	26.5	0.0	581.1	0.0	HUKANUI ROAD
7137 - 7140	5 0	263	46.6	0.0	20.3	0.0	0.0	0.0	20.3	0.0	601.4	0.0	HUKANUI ROAD
7140 - 6870	5 0	98	46.6	0.0	7.6	0.0	0.0	0.0	7.6	0.0	609.0	0.0	HUKANUI ROAD
6870 - 10401	5 0	37	47.1	0.0	2.8	0.0	0.0	0.0	2.8	0.0	611.8	0.0	HUKANUI ROAD
10401 - 6872	5 0	365	47.1	0.0	27.9	0.0	0.0	0.0	27.9	0.0	639.7	0.0	HUKANUI ROAD
6872 - 2991	5 0	57	46.9	0.0	4.4	0.0	0.0	0.0	4.4	0.0	644.1	0.0	HUKANUI ROAD
2991 - 3446	5 0	143	46.9	0.0	11.0	0.0	0.0	0.0	11.0	0.0	655.0	0.0	HUKANUI ROAD
3446 - 2979	5 0	307	46.8	0.0	23.6	0.0	0.0	0.0	23.6	0.0	678.7	0.0	HUKANUI ROAD
2979 - 6963	5 0	55	46.3	0.0	4.3	0.0	0.0	0.0	4.3	0.0	682.9	0.0	HUKANUI ROAD
6963 - 7144	5 0	47	46.3	0.0	3.7	0.0	0.0	0.0	3.7	0.0	686.6	0.0	HUKANUI ROAD
7144 - 7278	5 0	243	46.3	0.0	18.9	0.0	0.0	0.0	18.9	0.0	705.5	0.0	HUKANUI ROAD
7278 - 7279	5 0	114	44.9	0.0	9.1	0.0	0.0	0.0	9.1	0.0	714.6	0.0	HUKANUI ROAD
7279 - 4783	5 0	78	44.9	0.0	6.3	0.0	0.0	0.0	6.3	0.0	720.9	0.0	HUKANUI ROAD
4783 - 3562	5 0	55	42.2	0.0	4.7	0.0	0.0	0.0	4.7	0.0	725.6	0.0	HUKANUI ROAD
3562 - 3558	5 3	95	46.7	0.0	7.3	0.0	11.0	0.0	18.3	0.0	743.9	0.0	HUKANUI ROAD
3558 - 3563	7 0	112	68.5	0.0	5.9	0.0	2.5	0.0	8.4	0.0	752.3	0.0	WAIRERE DRIVE
3563 - 3543	8 0	1004	77.2	0.0	46.8	0.0	0.0	0.0	46.8	0.0	799.1	0.0	WAIRERE DRIVE
3543 - 3505	8 4	133	77.2	0.0	6.2	0.0	15.4	0.0	21.6	0.0	820.7	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	826.9	0.0	-- no name --
3502 - 8315	8 0	551	75.6	0.0	26.2	0.0	0.0	0.0	26.2	0.0	853.2	0.0	WAIRERE DRIVE
8315 - 3526	8 6	12	78.0	0.0	0.6	0.0	39.0	0.0	39.6	0.0	892.7	0.0	WAIRERE DRIVE
3526 - 8293	8 0	12	78.0	0.0	0.6	0.0	0.0	0.0	0.6	0.0	893.3	0.0	WAIRERE DRIVE
8293 - 3652	8 0	105	77.5	0.0	4.9	0.0	3.2	0.0	8.1	0.0	901.4	0.0	WAIRERE DRIVE
3652 - 8291	8 0	229	75.1	0.0	11.0	0.0	0.0	0.0	11.0	0.0	912.3	0.0	WAIRERE DRIVE
8291 - 10675	8 0	533	77.5	0.0	24.8	0.0	0.0	0.0	24.8	0.0	937.1	0.0	WAIRERE DRIVE
10675 - 3939	8 0	546	77.5	0.0	25.4	0.0	0.0	0.0	25.4	0.0	962.5	0.0	WAIRERE DRIVE
3939 - 5162	8 0	85	77.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	966.4	0.0	WAIRERE DRIVE
5162 - 3644	8 6	22	78.5	0.0	1.0	0.0	37.0	0.0	38.0	0.0	1004.4	0.0	WAIRERE DRIVE
3644 - 5203	8 0	25	78.8	0.0	1.1	0.0	0.0	0.0	1.1	0.0	1005.6	0.0	WAIRERE DRIVE
5203 - 5261	8 0	34	78.5	0.0	1.6	0.0	0.0	0.0	1.6	0.0	1007.1	0.0	WAIRERE DRIVE
5261 - 3648	8 0	50	78.5	0.0	2.3	0.0	0.0	0.0	2.3	0.0	1009.4	0.0	WAIRERE DRIVE
3648 - 3487	8 0	93	78.5	0.0	4.3	0.0	0.0	0.0	4.3	0.0	1013.7	0.0	WAIRERE DRIVE
3487 - 5472	8 0	178	78.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1021.9	0.0	WAIRERE DRIVE
5472 - 3480	8 6	19	78.5	0.0	0.9	0.0	57.0	0.0	57.9	0.0	1079.7	0.0	WAIRERE DRIVE
3480 - 5478	8 0	20	78.8	0.0	0.9	0.0	0.0	0.0	0.9	0.0	1080.7	0.0	WAIRERE DRIVE
5478 - 5479	8 0	32	78.2	0.0	1.5	0.0	0.0	0.0	1.5	0.0	1082.1	0.0	WAIRERE DRIVE
5479 - 3483	8 0	99	78.2	0.0	4.6	0.0	2.7	0.0	7.3	0.0	1089.4	0.0	WAIRERE DRIVE
3483 - 7706	7 0	586	66.5	0.0	31.7	0.0	0.0	0.0	31.7	0.0	1121.1	0.0	WAIRERE DRIVE



7706 - 7636	7	4	126	66.5	0.0	6.8	0.0	15.4	0.0	22.2	0.0	1143.3	0.0	WAIRERE DRIVE
7636 - 5113	8	2	190	76.3	0.0	9.0	0.0	9.8	0.0	18.8	0.0	1162.1	0.0	AVALON DRIVE
5113 - 10428	8	0	491	77.2	0.0	22.9	0.0	0.0	0.0	22.9	0.0	1185.0	0.0	AVALON DRIVE
10428 - 3285	8	6	149	77.2	0.0	6.9	0.0	108.0	0.0	114.9	0.0	1299.9	0.0	AVALON DRIVE
3285 - 10664	8	0	195	75.9	0.0	9.2	0.0	0.0	0.0	9.2	0.0	1309.2	0.0	AVALON DRIVE
10664 - 2518	8	0	530	75.7	0.0	25.2	0.0	0.0	0.0	25.2	0.0	1334.4	0.0	AVALON DRIVE
2518 - 10660	8	0	110	75.7	0.0	5.2	0.0	0.0	0.0	5.2	0.0	1339.6	0.0	SH 1
10660 - 5538	8	3	132	75.7	0.0	6.3	0.0	15.0	0.0	21.3	0.0	1360.9	0.0	SH 1
5538 - 3456	8	3	1982	74.4	0.0	95.9	0.0	20.0	0.0	115.9	0.0	1476.8	0.0	AVALON DRIVE BYPASS
3456 - 3455	8	0	117	77.4	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1482.2	0.0	LINCOLN STREET
3455 - 10497	8	0	226	77.4	0.0	10.5	0.0	0.0	0.0	10.5	0.0	1492.8	0.0	LINCOLN STREET
10497 - 8207	8	0	78	77.4	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1496.4	0.0	LINCOLN STREET
8207 - 4988	8	0	115	77.4	0.0	5.3	0.0	2.0	0.0	7.3	0.0	1503.7	0.0	LINCOLN STREET
4988 - 10496	8	0	175	77.3	0.0	8.2	0.0	0.0	0.0	8.2	0.0	1511.9	0.0	LINCOLN STREET
10496 - 4756	8	0	102	77.3	0.0	4.8	0.0	0.0	0.0	4.8	0.0	1516.6	0.0	LINCOLN STREET
4756 - 4755	8	0	69	77.3	0.0	3.2	0.0	0.0	0.0	3.2	0.0	1519.8	0.0	LINCOLN STREET
4755 - 8211	7	0	37	67.3	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1521.8	0.0	LINCOLN STREET
8211 - 3376	5	6	16	47.5	0.0	1.2	0.0	38.0	0.0	39.2	0.0	1561.0	0.0	LINCOLN STREET
3376 - 8210	5	0	18	47.7	0.0	1.4	0.0	0.0	0.0	1.4	0.0	1562.4	0.0	GREENWOOD STREET
8210 - 3377	8	0	299	77.7	0.0	13.9	0.0	0.0	0.0	13.9	0.0	1576.2	0.0	GREENWOOD STREET
3377 - 8815	8	0	331	77.8	0.0	15.3	0.0	0.0	0.0	15.3	0.0	1591.6	0.0	GREENWOOD STREET
8815 - 4757	8	7	11	78.1	0.0	0.5	0.0	36.0	0.0	36.5	0.0	1628.1	0.0	GREENWOOD STREET
4757 - 5960	8	0	8	77.8	0.0	0.4	0.0	0.0	0.0	0.4	0.0	1628.4	0.0	GREENWOOD STREET
5960 - 4758	8	0	150	77.7	0.0	6.9	0.0	3.0	0.0	9.9	0.0	1638.4	0.0	GREENWOOD STREET
4758 - 10650	8	0	239	75.5	0.0	11.4	0.0	0.0	0.0	11.4	0.0	1649.8	0.0	GREENWOOD STREET
10650 - 3177	8	0	417	75.5	0.0	19.9	0.0	0.0	0.0	19.9	0.0	1669.7	0.0	GREENWOOD STREET
3177 - 3917	8	0	321	74.8	0.0	15.4	0.0	0.0	0.0	15.4	0.0	1685.1	0.0	GREENWOOD STREET
3917 - 6938	7	0	117	63.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	1691.8	0.0	KAHIKATEA DRIVE
6938 - 5194	7	0	80	62.7	0.0	4.6	0.0	2.0	0.0	6.6	0.0	1698.4	0.0	KAHIKATEA DRIVE
5194 - 4793	7	0	84	62.0	0.0	4.9	0.0	0.0	0.0	4.9	0.0	1703.3	0.0	KAHIKATEA DRIVE
4793 - 3175	7	0	230	62.0	0.0	13.4	0.0	4.0	0.0	17.4	0.0	1720.6	0.0	SH 1
3175 - 4709	7	0	293	62.0	0.0	17.0	0.0	2.0	0.0	19.0	0.0	1739.6	0.0	SH 1
4709 - 5323	7	0	235	57.0	0.0	14.8	0.0	2.0	0.0	16.8	0.0	1756.5	0.0	KAHIKATEA DRIVE
5323 - 10639	7	0	118	57.7	0.0	7.4	0.0	0.0	0.0	7.4	0.0	1763.8	0.0	KAHIKATEA DRIVE
10639 - 3683	7	0	64	57.7	0.0	4.0	0.0	0.0	0.0	4.0	0.0	1767.8	0.0	KAHIKATEA DRIVE
3683 - 5253	7	0	68	57.7	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1772.1	0.0	KAHIKATEA DRIVE
5253 - 5251	7	0	58	57.7	0.0	3.6	0.0	0.0	0.0	3.6	0.0	1775.7	0.0	KAHIKATEA DRIVE
5251 - 5351	7	0	88	57.7	0.0	5.5	0.0	0.0	0.0	5.5	0.0	1781.2	0.0	KAHIKATEA DRIVE
5351 - 6683	7	0	181	57.7	0.0	11.3	0.0	0.0	0.0	11.3	0.0	1792.5	0.0	KAHIKATEA DRIVE
6683 - 4514	6	0	108	42.0	0.0	9.3	0.0	0.0	0.0	9.3	0.0	1801.7	0.0	KAHIKATEA DRIVE
4514 - 2531	6	0	57	40.2	0.0	5.1	0.0	0.0	0.0	5.1	0.0	1806.8	0.0	SH 1
2531 - 8248	6	0	68	56.0	0.0	4.4	0.0	0.0	0.0	4.4	0.0	1811.2	0.0	SH 1
8248 - 4393	6	6	22	56.4	0.0	1.4	0.0	31.9	0.0	33.3	0.0	1844.5	0.0	SH 1
Modelled Totals	20365	39.7		1251.4		593.1		1844.5						
Observed Totals				0.0		0.0		0.0		0.0				

 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 13 Movement Analysis - times in seconds

WRTM R4_5 - Tomlin/Ohaupo to Richmond/Ulster NB

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	57.4	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	26.0	0.0	38.2	0.0	43.2	0.0	OHAUPO ROAD
2667 - 2665	6 0	71	56.8	0.0	4.5	0.0	0.0	0.0	4.5	0.0	47.7	0.0	SH 3
2665 - 7301	6 0	139	56.9	0.0	8.8	0.0	0.0	0.0	8.8	0.0	56.5	0.0	SH 3
7301 - 7078	6 0	85	56.9	0.0	5.4	0.0	0.0	0.0	5.4	0.0	61.9	0.0	SH3
7078 - 10636	6 0	81	56.9	0.0	5.1	0.0	0.0	0.0	5.1	0.0	67.0	0.0	SH 3
10636 - 3095	6 0	83	56.9	0.0	5.3	0.0	0.0	0.0	5.3	0.0	72.3	0.0	SH 3
3095 - 2663	15 0	102	52.1	0.0	7.0	0.0	0.0	0.0	7.0	0.0	79.3	0.0	SH 3
2663 - 3143	15 0	99	52.1	0.0	6.8	0.0	0.0	0.0	6.8	0.0	86.2	0.0	OHAUPO ROAD
3143 - 3770	15 3	38	52.0	0.0	2.6	0.0	12.0	0.0	14.6	0.0	100.8	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	103.5	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	122.5	0.0	NORMANDY AVENUE
4233 - 10640	15 0	93	53.9	0.0	6.2	0.0	0.0	0.0	6.2	0.0	128.7	0.0	NORMANDY AVENUE
10640 - 2646	15 0	82	53.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	134.2	0.0	NORMANDY AVENUE
2646 - 2647	15 6	42	53.9	0.0	2.8	0.0	3.0	0.0	5.8	0.0	140.0	0.0	NORMANDY AVENUE
2647 - 4847	15 0	14	53.6	0.0	0.9	0.0	0.0	0.0	0.9	0.0	141.0	0.0	NORMANDY AVENUE
4847 - 8214	15 0	95	53.6	0.0	6.4	0.0	0.0	0.0	6.4	0.0	147.3	0.0	NORMANDY AVENUE
8214 - 4754	15 7	18	53.6	0.0	1.2	0.0	42.0	0.0	43.2	0.0	190.5	0.0	NORMANDY AVENUE
4754 - 8212	15 0	21	53.6	0.0	1.4	0.0	0.0	0.0	1.4	0.0	192.0	0.0	NORMANDY AVENUE
8212 - 3679	15 0	313	51.9	0.0	21.7	0.0	0.0	0.0	21.7	0.0	213.7	0.0	NORMANDY AVENUE
3679 - 5646	15 0	85	52.7	0.0	5.8	0.0	0.0	0.0	5.8	0.0	219.5	0.0	NORMANDY AVENUE
5646 - 9799	15 2	187	52.7	0.0	12.8	0.0	5.99	0.0	18.7	0.0	238.1	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	249.6	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	263.6	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	285.2	0.0	COBHAM DRIVE
3936 - 8194	15 0	24	52.7	0.0	1.6	0.0	0.0	0.0	1.6	0.0	286.9	0.0	COBHAM DRIVE
8194 - 3370	15 3	58	52.7	0.0	4.0	0.0	9.0	0.0	13.0	0.0	299.8	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	310.5	0.0	TRISTRAM STREET
3397 - 4766	15 3	231	51.8	0.0	16.1	0.0	12.0	0.0	28.1	0.0	338.6	0.0	TRISTRAM STREET
4766 - 3631	5 0	186	45.1	0.0	14.8	0.0	0.0	0.0	14.8	0.0	353.4	0.0	TRISTRAM STREET
3631 - 3390	5 3	52	45.1	0.0	4.2	0.0	10.0	0.0	14.2	0.0	367.6	0.0	TRISTRAM STREET
3390 - 3060	5 0	86	44.7	0.0	6.9	0.0	0.0	0.0	6.9	0.0	374.5	0.0	TRISTRAM STREET
3060 - 10473	5 0	27	44.5	0.0	2.2	0.0	0.0	0.0	2.2	0.0	376.7	0.0	TRISTRAM STREET
10473 - 3059	5 0	21	44.2	0.0	1.7	0.0	0.0	0.0	1.7	0.0	378.4	0.0	TRISTRAM STREET
3059 - 6684	5 0	62	43.8	0.0	5.1	0.0	0.0	0.0	5.1	0.0	383.5	0.0	TRISTRAM STREET
6684 - 7222	4 0	85	32.1	0.0	9.5	0.0	0.0	0.0	9.5	0.0	393.0	0.0	TRISTRAM STREET
7222 - 8252	5 0	42	43.7	0.0	3.5	0.0	0.0	0.0	3.5	0.0	396.5	0.0	TRISTRAM STREET
8252 - 3232	4 7	22	31.7	0.0	2.5	0.0	20.0	0.0	22.5	0.0	419.0	0.0	TRISTRAM STREET
3232 - 3233	5 0	65	45.4	0.0	5.2	0.0	0.0	0.0	5.2	0.0	424.1	0.0	TRISTRAM STREET
3233 - 6984	5 0	57	45.3	0.0	4.5	0.0	10.0	0.0	14.5	0.0	438.7	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	447.6	0.0	TRISTRAM STREET
10716 - 3125	5 6	131	45.9	0.0	10.3	0.0	15.0	0.0	25.3	0.0	472.9	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	477.1	0.0	TRISTRAM STREET
3124 - 6687	5 3	183	47.0	0.0	14.0	0.0	14.0	0.0	28.0	0.0	505.1	0.0	TRISTRAM STREET
6687 - 9785	5 0	229	44.4	0.0	18.6	0.0	0.0	0.0	18.6	0.0	523.6	0.0	TRISTRAM STREET
9785 - 6729	5 0	15	43.7	0.0	1.2	0.0	0.0	0.0	1.2	0.0	524.9	0.0	TRISTRAM STREET
6729 - 3473	5 0	82	42.9	0.0	6.9	0.0	0.0	0.0	6.9	0.0	531.8	0.0	TRISTRAM STREET
3473 - 3472	5 6	25	45.4	0.0	2.0	0.0	19.0	0.0	21.0	0.0	552.7	0.0	TRISTRAM STREET
3472 - 8219	14 0	34	42.4	0.0	2.9	0.0	0.0	0.0	2.9	0.0	555.6	0.0	ABBOTSFORD STREET
8219 - 10511	4 0	204	37.5	0.0	19.6	0.0	0.0	0.0	19.6	0.0	575.2	0.0	ABBOTSFORD STREET
10511 - 6728	4 5	104	37.5	0.0	10.0	0.0	13.0	0.0	23.0	0.0	598.2	0.0	ABBOTSFORD STREET
6728 - 10512	5 0	52	47.5	0.0	3.9	0.0	0.0	0.0	3.9	0.0	602.1	0.0	WILLOUGHBY STREET
10512 - 4759	5 4	429	47.8	0.0	32.3	0.0	12.3	0.0	44.6	0.0	646.7	0.0	WILLOUGHBY STREET
Modelled Totals		5967	33.2		423.5		223.2		646.7				
Observed Totals				0.0		0.0		0.0		0.0			

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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 14 Movement Analysis - times in seconds

WRTM R4_5 - Richmond/Ulster to Tomin/Ohaupo SB

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	49.8	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	49.8	0.0	3.8	0.0	1.0	0.0	4.8	0.0	35.8	0.0	WILLOUGHBY STREET
6728 - 3469	5 6	241	49.7	0.0	17.5	0.0	48.0	0.0	65.5	0.0	101.2	0.0	WILLOUGHBY STREET
3469 - 8218	5 0	79	46.7	0.0	6.1	0.0	0.0	0.0	6.1	0.0	107.3	0.0	MILL STREET
8218 - 3473	5 2	55	46.9	0.0	4.2	0.0	5.0	0.0	9.2	0.0	116.5	0.0	
3473 - 6729	5 0	82	46.5	0.0	6.3	0.0	0.0	0.0	6.3	0.0	122.9	0.0	TRISTRAM STREET
6729 - 9785	5 0	15	46.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	124.1	0.0	TRISTRAM STREET
9785 - 6687	5 3	229	46.2	0.0	17.8	0.0	9.0	0.0	26.8	0.0	150.9	0.0	TRISTRAM STREET
6687 - 3124	5 0	183	46.3	0.0	14.2	0.0	0.0	0.0	14.2	0.0	165.1	0.0	TRISTRAM STREET
3124 - 3125	5 6	54	46.3	0.0	4.2	0.0	7.4	0.0	11.6	0.0	176.7	0.0	TRISTRAM STREET
3125 - 10716	5 0	131	45.8	0.0	10.3	0.0	0.0	0.0	10.3	0.0	187.0	0.0	TRISTRAM STREET
10716 - 6984	5 6	115	45.3	0.0	9.1	0.0	11.0	0.0	20.1	0.0	207.2	0.0	TRISTRAM STREET
6984 - 3233	5 0	57	45.7	0.0	4.5	0.0	0.0	0.0	4.5	0.0	211.7	0.0	TRISTRAM STREET
3233 - 3232	5 7	65	45.6	0.0	5.1	0.0	26.0	0.0	31.1	0.0	242.8	0.0	TRISTRAM STREET
3232 - 8252	4 0	22	35.1	0.0	2.3	0.0	0.0	0.0	2.3	0.0	245.0	0.0	TRISTRAM STREET
8252 - 7222	5 0	42	44.4	0.0	3.4	0.0	0.0	0.0	3.4	0.0	248.4	0.0	TRISTRAM STREET
7222 - 6684	4 0	85	31.4	0.0	9.7	0.0	0.0	0.0	9.7	0.0	258.2	0.0	TRISTRAM STREET
6684 - 3059	5 0	62	44.0	0.0	5.1	0.0	0.0	0.0	5.1	0.0	263.3	0.0	TRISTRAM STREET
3059 - 10473	5 0	21	43.9	0.0	1.7	0.0	0.0	0.0	1.7	0.0	265.0	0.0	TRISTRAM STREET
10473 - 3060	5 0	27	43.4	0.0	2.2	0.0	0.0	0.0	2.2	0.0	267.2	0.0	TRISTRAM STREET
3060 - 3390	5 3	86	42.4	0.0	7.3	0.0	9.0	0.0	16.3	0.0	283.5	0.0	TRISTRAM STREET
3390 - 3631	5 0	52	40.5	0.0	4.6	0.0	0.0	0.0	4.6	0.0	288.1	0.0	TRISTRAM STREET
3631 - 4766	5 3	186	40.5	0.0	16.5	0.0	11.0	0.0	27.5	0.0	315.7	0.0	TRISTRAM STREET
4766 - 3397	15 0	231	37.1	0.0	22.4	0.0	0.0	0.0	22.4	0.0	338.1	0.0	TRISTRAM STREET
3397 - 3370	15 3	155	38.5	0.0	14.5	0.0	11.0	0.0	25.5	0.0	363.6	0.0	TRISTRAM STREET
3370 - 8194	15 0	58	52.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	367.6	0.0	COBHAM DRIVE
8194 - 3936	15 0	24	50.4	0.0	1.7	0.0	0.0	0.0	1.7	0.0	369.3	0.0	COBHAM DRIVE
3936 - 3672	7 0	408	66.1	0.0	22.2	0.0	0.0	0.0	22.2	0.0	391.5	0.0	COBHAM DRIVE
3672 - 10483	7 0	264	65.7	0.0	14.5	0.0	0.0	0.0	14.5	0.0	406.0	0.0	COBHAM DRIVE
10483 - 3677	7 0	298	65.7	0.0	16.3	0.0	0.0	0.0	16.3	0.0	422.3	0.0	COBHAM DRIVE
3677 - 3676	7 6	131	65.7	0.0	7.2	0.0	32.0	0.0	39.2	0.0	461.5	0.0	COBHAM DRIVE
3676 - 3679	15 0	92	51.9	0.0	6.4	0.0	0.0	0.0	6.4	0.0	467.9	0.0	NORMANDY AVENUE
3679 - 8212	15 0	313	49.9	0.0	22.6	0.0	0.0	0.0	22.6	0.0	490.5	0.0	NORMANDY AVENUE
8212 - 4754	15 7	21	49.9	0.0	1.5	0.0	5.0	0.0	6.5	0.0	497.0	0.0	NORMANDY AVENUE
4754 - 8214	15 0	18	51.1	0.0	1.3	0.0	0.0	0.0	1.3	0.0	498.3	0.0	NORMANDY AVENUE
8214 - 4847	15 0	95	51.1	0.0	6.7	0.0	0.0	0.0	6.7	0.0	505.0	0.0	NORMANDY AVENUE
4847 - 2647	15 6	14	52.0	0.0	1.0	0.0	2.9	0.0	3.9	0.0	508.8	0.0	NORMANDY AVENUE
2647 - 2646	15 0	42	51.9	0.0	2.9	0.0	0.0	0.0	2.9	0.0	511.7	0.0	NORMANDY AVENUE
2646 - 10640	15 0	82	51.9	0.0	5.7	0.0	0.0	0.0	5.7	0.0	517.4	0.0	NORMANDY AVENUE
10640 - 4233	15 0	93	51.9	0.0	6.5	0.0	0.0	0.0	6.5	0.0	523.9	0.0	NORMANDY AVENUE
4233 - 7007	15 0	285	52.1	0.0	19.7	0.0	0.0	0.0	19.7	0.0	543.6	0.0	NORMANDY AVENUE
7007 - 3770	15 3	40	52.7	0.0	2.7	0.0	15.0	0.0	17.7	0.0	561.3	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	564.0	0.0	SH 3
3143 - 2663	15 0	99	50.4	0.0	7.1	0.0	0.0	0.0	7.1	0.0	571.1	0.0	OHAUPO ROAD
2663 - 3095	15 0	102	49.8	0.0	7.4	0.0	0.0	0.0	7.4	0.0	578.5	0.0	SH 3
3095 - 10636	6 0	83	54.4	0.0	5.5	0.0	0.0	0.0	5.5	0.0	584.0	0.0	SH 3
10636 - 7078	6 0	81	54.4	0.0	5.4	0.0	0.0	0.0	5.4	0.0	589.3	0.0	SH 3
7078 - 7301	6 0	85	54.4	0.0	5.6	0.0	0.0	0.0	5.6	0.0	594.9	0.0	SH3
7301 - 2665	6 0	139	54.4	0.0	9.2	0.0	0.0	0.0	9.2	0.0	604.1	0.0	SH 3
2665 - 2667	6 6	71	54.3	0.0	4.7	0.0	5.0	0.0	9.7	0.0	613.8	0.0	SH 3
2667 - 11496	6 0	195	55.3	0.0	12.7	0.0	0.0	0.0	12.7	0.0	626.5	0.0	OHAUPO ROAD
11496 - 3301	6 3	80	55.3	0.0	5.2	0.0	7.8	0.0	13.0	0.0	639.6	0.0	OHAUPO ROAD
Modelled Totals		6007	33.8		433.5		206.1		639.6				
Observed Totals					0.0		0.0		0.0		0.0		

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| TRACKS - 20-OCT-14 @ 0                                     Gabites Porter |
|                                                                 Christchurch, N.Z. |
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Journey 15 Movement Analysis - times in seconds

WRM R6 - Victoria/Claudelands to Victoria/Knox NB

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	
3453 - 3448	5 7	61	48.5	0.0	4.5	0.0	75.0	0.0	79.5	0.0	79.5	0.0	VICTORIA STREET
3448 - 3450	5 0	119	48.4	0.0	8.9	0.0	0.0	0.0	8.9	0.0	88.4	0.0	VICTORIA STREET
3450 - 3449	5 0	11	48.4	0.0	0.8	0.0	0.0	0.0	0.8	0.0	89.2	0.0	
3449 - 3452	5 6	113	48.6	0.0	8.4	0.0	24.0	0.0	32.4	0.0	121.6	0.0	VICTORIA STREET
3452 - 6732	5 0	244	48.3	0.0	18.2	0.0	0.0	0.0	18.2	0.0	139.8	0.0	VICTORIA STREET
6732 - 10455	5 0	71	48.2	0.0	5.3	0.0	0.0	0.0	5.3	0.0	145.1	0.0	VICTORIA STREET
10455 - 6730	5 0	56	48.2	0.0	4.2	0.0	0.0	0.0	4.2	0.0	149.2	0.0	VICTORIA STREET
6730 - 3132	5 0	114	48.1	0.0	8.5	0.0	10.0	0.0	18.5	0.0	167.8	0.0	VICTORIA STREET
3132 - 10469	5 0	189	48.1	0.0	14.1	0.0	0.0	0.0	14.1	0.0	181.9	0.0	VICTORIA STREET
10469 - 8250	5 0	59	48.0	0.0	4.4	0.0	0.0	0.0	4.4	0.0	186.3	0.0	VICTORIA STREET
8250 - 4951	5 6	38	48.0	0.0	2.9	0.0	42.0	0.0	44.8	0.0	231.2	0.0	VICTORIA STREET
4951 - 4952	15 0	82	53.1	0.0	5.6	0.0	0.0	0.0	5.6	0.0	236.8	0.0	VICTORIA STREET
4952 - 7213	15 0	76	53.1	0.0	5.2	0.0	2.0	0.0	7.2	0.0	243.9	0.0	VICTORIA STREET
7213 - 7107	15 0	194	53.2	0.0	13.1	0.0	0.0	0.0	13.1	0.0	257.0	0.0	VICTORIA STREET
7107 - 7109	15 0	70	53.9	0.0	4.7	0.0	0.0	0.0	4.7	0.0	261.7	0.0	VICTORIA STREET
7109 - 4768	15 0	143	53.9	0.0	9.6	0.0	0.0	0.0	9.6	0.0	271.3	0.0	VICTORIA STREET
4768 - 4769	15 6	156	53.9	0.0	10.4	0.0	66.0	0.0	76.4	0.0	347.7	0.0	VICTORIA STREET
4769 - 4907	21 0	15	43.1	0.0	1.3	0.0	0.0	0.0	1.3	0.0	348.9	0.0	
4907 - 3606	4 0	146	30.7	0.0	17.1	0.0	0.0	0.0	17.1	0.0	366.1	0.0	FAIRFIELD BRIDGE
3606 - 3605	4 3	50	30.7	0.0	5.9	0.0	209.0	0.0	214.9	0.0	580.9	0.0	FAIRFIELD BRIDGE
3605 - 7074	6 0	59	53.4	0.0	4.0	0.0	0.0	0.0	4.0	0.0	584.9	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	608.0	0.0	RIVER ROAD
7105 - 6677	6 0	82	54.9	0.0	5.4	0.0	13.0	0.0	18.4	0.0	626.4	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	644.4	0.0	CLARKIN ROAD
3112 - 7254	6 0	211	58.7	0.0	12.9	0.0	1.2	0.0	14.1	0.0	658.5	0.0	CLARKIN ROAD
7254 - 6606	6 0	139	58.6	0.0	8.5	0.0	1.0	0.0	9.5	0.0	668.0	0.0	CLARKIN ROAD
6606 - 6605	6 0	68	58.7	0.0	4.2	0.0	2.0	0.0	6.2	0.0	674.2	0.0	CLARKIN ROAD
6605 - 7740	6 0	172	58.2	0.0	10.6	0.0	2.0	0.0	12.6	0.0	686.9	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	693.4	0.0	CLARKIN ROAD
6906 - 3707	6 0	92	57.6	0.0	5.8	0.0	9.0	0.0	14.8	0.0	708.1	0.0	CLARKIN ROAD
3707 - 7738	5 0	184	47.5	0.0	13.9	0.0	0.0	0.0	13.9	0.0	722.1	0.0	HEAPHY TERRACE
7738 - 6751	5 0	132	47.5	0.0	10.0	0.0	0.0	0.0	10.0	0.0	732.1	0.0	HEAPHY TERRACE
6751 - 3703	5 0	176	47.4	0.0	13.4	0.0	0.0	0.0	13.4	0.0	745.5	0.0	HEAPHY TERRACE
3703 - 7924	5 0	114	47.2	0.0	8.7	0.0	0.0	0.0	8.7	0.0	754.2	0.0	HEAPHY TERRACE
7924 - 7013	5 0	32	47.4	0.0	2.4	0.0	0.0	0.0	2.4	0.0	756.6	0.0	HEAPHY TERRACE
7013 - 7923	5 0	70	47.4	0.0	5.3	0.0	0.0	0.0	5.3	0.0	761.9	0.0	HEAPHY TERRACE
7923 - 7921	5 0	19	47.0	0.0	1.5	0.0	0.0	0.0	1.5	0.0	763.4	0.0	
7921 - 7925	5 0	94	47.0	0.0	7.2	0.0	0.0	0.0	7.2	0.0	770.6	0.0	HEAPHY TERRACE
7925 - 7919	5 0	7	47.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	771.1	0.0	
7919 - 4961	5 0	100	46.9	0.0	7.7	0.0	0.0	0.0	7.7	0.0	778.8	0.0	HEAPHY TERRACE
4961 - 4955	5 0	100	46.9	0.0	7.7	0.0	1.0	0.0	8.7	0.0	787.5	0.0	HEAPHY TERRACE
4955 - 4132	5 0	22	46.9	0.0	1.7	0.0	1.0	0.0	2.7	0.0	790.1	0.0	
4132 - 3012	5 3	141	46.8	0.0	10.8	0.0	12.0	0.0	22.8	0.0	813.0	0.0	HEAPHY TERRACE
3012 - 6737	5 0	125	48.0	0.0	9.4	0.0	0.0	0.0	9.4	0.0	822.4	0.0	HEAPHY TERRACE
6737 - 7468	5 0	127	48.0	0.0	9.5	0.0	0.0	0.0	9.5	0.0	831.9	0.0	HEAPHY TERRACE
7468 - 3454	5 0	252	48.1	0.0	18.9	0.0	0.0	0.0	18.9	0.0	850.7	0.0	
3454 - 8232	5 0	224	47.9	0.0	16.8	0.0	0.0	0.0	16.8	0.0	867.6	0.0	HEAPHY TERRACE
8232 - 2537	5 6	34	48.0	0.0	2.6	0.0	17.3	0.0	19.9	0.0	887.4	0.0	HEAPHY TERRACE
2537 - 3755	5 0	50	48.1	0.0	3.7	0.0	0.0	0.0	3.7	0.0	891.2	0.0	HEAPHY TERRACE
3755 - 3754	5 7	35	48.1	0.0	2.6	0.0	10.0	0.0	12.6	0.0	903.8	0.0	HEAPHY TERRACE
3754 - 3753	5 0	46	46.3	0.0	3.6	0.0	0.0	0.0	3.6	0.0	907.4	0.0	GREY STREET
3753 - 3752	5 3	83	46.3	0.0	6.5	0.0	22.0	0.0	28.5	0.0	935.8	0.0	GREY STREET
3752 - 10646	5 0	170	47.2	0.0	13.0	0.0	0.0	0.0	13.0	0.0	948.8	0.0	GREY STREET
10646 - 4913	5 0	385	47.4	0.0	29.2	0.0	1.0	0.0	30.2	0.0	979.0	0.0	GREY STREET
4913 - 6715	5 0	240	47.4	0.0	18.2	0.0	1.0	0.0	19.2	0.0	998.3	0.0	GREY STREET
6715 - 8229	5 0	70	47.1	0.0	5.4	0.0	0.0	0.0	5.4	0.0	1003.6	0.0	GREY STREET
8229 - 7494	5 6	35	47.1	0.0	2.7	0.0	38.0	0.0	40.7	0.0	1044.3	0.0	GREY STREET
7494 - 8230	5 0	30	44.5	0.0	2.4	0.0	0.0	0.0	2.4	0.0	1046.7	0.0	BRIDGE STREET
8230 - 6711	5 0	52	44.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	1050.9	0.0	BRIDGE STREET
6711 - 3519	5 0	76	44.2	0.0	6.2	0.0	0.0	0.0	6.2	0.0	1057.1	0.0	BRIDGE STREET
3519 - 9824	5 0	11	45.6	0.0	0.9	0.0	0.0	0.0	0.9	0.0	1058.0	0.0	
9824 - 8233	5 0	258	45.6	0.0	20.4	0.0	0.0	0.0	20.4	0.0	1078.3	0.0	
8233 - 2738	5 6	31	45.7	0.0	2.4	0.0	47.0	0.0	49.4	0.0	1127.8	0.0	BRIDGE STREET
2738 - 8235	14 0	25	43.1	0.0	2.1	0.0	0.0	0.0	2.1	0.0	1129.9	0.0	VICTORIA STREET
8235 - 10445	14 0	210	43.1	0.0	17.5	0.0	4.6	0.0	22.1	0.0	1152.0	0.0	VICTORIA STREET

Modelled Totals 7310 22.8 538.9 613.1 1152.0
 Observed Totals 0.0 0.0 0.0 0.0



 | TRACKS - 20-OCT-14 @ 0 | Gabites Porter |
 | | Christchurch, N.Z. |

Journey 16 Movement Analysis - times in seconds

WRTM R6 - Victoria/Knox to Victoria/Claudeland SB

Link	Types	Dist	Mdl	Obs	Mdl	Obs	Mdl	Obs	Mdl	Obs	Accum	Accum	treet Name
	Lnk Ap	(m)	Spd	Spd	Time	Time	Delay	Delay	Total	Total	Mdl	Time	
10445 - 8235	14 0	210	42.7	0.0	17.7	0.0	0.0	0.0	17.7	0.0	17.7	0.0	VICTORIA STREET
8235 - 8233	5 2	38	45.3	0.0	3.0	0.0	14.6	0.0	17.6	0.0	35.3	0.0	
8233 - 9824	5 0	258	9.5	0.0	97.8	0.0	0.0	0.0	97.8	0.0	133.1	0.0	
9824 - 3519	5 0	11	9.5	0.0	4.2	0.0	0.0	0.0	4.2	0.0	137.3	0.0	
3519 - 6711	5 0	76	11.6	0.0	23.6	0.0	0.0	0.0	23.6	0.0	160.8	0.0	BRIDGE STREET
6711 - 8230	5 0	52	13.5	0.0	13.9	0.0	0.0	0.0	13.9	0.0	174.7	0.0	BRIDGE STREET
8230 - 8229	5 4	48	47.9	0.0	3.6	0.0	6.5	0.0	10.1	0.0	184.8	0.0	BRIDGE STREET
8229 - 6715	5 0	70	47.6	0.0	5.3	0.0	0.0	0.0	5.3	0.0	190.1	0.0	GREY STREET
6715 - 4913	5 0	240	47.2	0.0	18.3	0.0	1.0	0.0	19.3	0.0	209.4	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	238.9	0.0	GREY STREET
10646 - 3752	5 3	170	46.9	0.0	13.0	0.0	13.0	0.0	26.0	0.0	265.0	0.0	GREY STREET
3752 - 3753	5 0	83	47.8	0.0	6.3	0.0	0.0	0.0	6.3	0.0	271.2	0.0	GREY STREET
3753 - 3754	5 7	46	49.4	0.0	3.4	0.0	39.2	0.0	42.6	0.0	313.8	0.0	GREY STREET
3754 - 3755	5 0	35	49.2	0.0	2.6	0.0	0.0	0.0	2.6	0.0	316.3	0.0	HEAPHY TERRACE
3755 - 2537	5 6	50	47.9	0.0	3.8	0.0	7.0	0.0	10.8	0.0	327.1	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	329.6	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	346.3	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	365.1	0.0	
7468 - 6737	5 0	127	47.9	0.0	9.5	0.0	0.0	0.0	9.5	0.0	374.6	0.0	HEAPHY TERRACE
6737 - 3012	5 3	125	47.9	0.0	9.4	0.0	11.0	0.0	20.4	0.0	395.0	0.0	HEAPHY TERRACE
3012 - 4132	5 0	141	44.9	0.0	11.3	0.0	4.0	0.0	15.3	0.0	410.3	0.0	HEAPHY TERRACE
4132 - 4955	5 0	22	45.1	0.0	1.8	0.0	0.0	0.0	1.8	0.0	412.1	0.0	
4955 - 4961	5 0	100	45.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	420.0	0.0	HEAPHY TERRACE
4961 - 7919	5 0	100	45.1	0.0	8.0	0.0	0.0	0.0	8.0	0.0	428.0	0.0	HEAPHY TERRACE
7919 - 7925	5 0	7	45.3	0.0	0.6	0.0	0.0	0.0	0.6	0.0	428.6	0.0	
7925 - 7921	5 0	94	45.3	0.0	7.5	0.0	0.0	0.0	7.5	0.0	436.0	0.0	HEAPHY TERRACE
7921 - 7923	5 0	19	45.4	0.0	1.5	0.0	0.0	0.0	1.5	0.0	437.6	0.0	
7923 - 7013	5 0	70	45.9	0.0	5.5	0.0	0.0	0.0	5.5	0.0	443.0	0.0	HEAPHY TERRACE
7013 - 7924	5 0	32	46.2	0.0	2.5	0.0	1.0	0.0	3.5	0.0	446.5	0.0	HEAPHY TERRACE
7924 - 3703	5 0	114	45.9	0.0	8.9	0.0	0.0	0.0	8.9	0.0	455.5	0.0	HEAPHY TERRACE
3703 - 6751	5 0	176	46.1	0.0	13.7	0.0	0.0	0.0	13.7	0.0	469.2	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	479.5	0.0	HEAPHY TERRACE
7738 - 3707	5 4	184	46.2	0.0	14.3	0.0	9.0	0.0	23.3	0.0	502.8	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	508.6	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	516.1	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	527.6	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	533.8	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	544.2	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	558.1	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	583.0	0.0	CLARKIN ROAD
6677 - 7105	6 0	82	57.1	0.0	5.2	0.0	0.0	0.0	5.2	0.0	588.1	0.0	RIVER ROAD
7105 - 7074	6 4	352	57.1	0.0	22.2	0.0	11.0	0.0	33.2	0.0	621.3	0.0	RIVER ROAD
7074 - 3605	6 3	59	56.7	0.0	3.7	0.0	16.0	0.0	19.7	0.0	641.1	0.0	RIVER ROAD
3605 - 3606	4 0	50	36.2	0.0	5.0	0.0	0.0	0.0	5.0	0.0	646.0	0.0	FAIRFIELD BRIDGE
3606 - 4907	4 0	146	36.2	0.0	14.5	0.0	0.0	0.0	14.5	0.0	660.6	0.0	FAIRFIELD BRIDGE
4907 - 4769	21 7	15	45.8	0.0	1.2	0.0	72.0	0.0	73.2	0.0	733.7	0.0	
4769 - 4768	15 0	156	53.5	0.0	10.5	0.0	2.0	0.0	12.5	0.0	746.2	0.0	VICTORIA STREET
4768 - 7109	15 0	143	53.6	0.0	9.6	0.0	0.5	0.0	10.1	0.0	756.3	0.0	VICTORIA STREET
7109 - 7107	15 0	70	53.6	0.0	4.7	0.0	2.0	0.0	6.7	0.0	763.0	0.0	VICTORIA STREET
7107 - 7213	15 0	194	53.7	0.0	13.0	0.0	1.0	0.0	14.0	0.0	777.0	0.0	VICTORIA STREET
7213 - 4952	15 0	76	53.7	0.0	5.1	0.0	0.0	0.0	5.1	0.0	782.1	0.0	VICTORIA STREET
4952 - 4951	15 6	82	53.8	0.0	5.5	0.0	99.0	0.0	104.5	0.0	886.6	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	889.4	0.0	VICTORIA STREET
8250 - 10469	5 0	59	49.1	0.0	4.3	0.0	0.0	0.0	4.3	0.0	893.7	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	917.6	0.0	VICTORIA STREET
3132 - 6730	5 0	114	48.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	926.1	0.0	VICTORIA STREET
6730 - 10455	5 0	56	48.1	0.0	4.2	0.0	0.0	0.0	4.2	0.0	930.3	0.0	VICTORIA STREET
10455 - 6732	5 0	71	48.0	0.0	5.3	0.0	0.0	0.0	5.3	0.0	935.6	0.0	VICTORIA STREET
6732 - 3452	5 7	244	47.9	0.0	18.3	0.0	25.0	0.0	43.3	0.0	979.0	0.0	VICTORIA STREET
3452 - 3449	5 0	113	48.1	0.0	8.5	0.0	0.0	0.0	8.5	0.0	987.4	0.0	VICTORIA STREET
3449 - 3450	5 0	11	47.8	0.0	0.8	0.0	0.0	0.0	0.8	0.0	988.3	0.0	
3450 - 3448	5 7	119	47.8	0.0	9.0	0.0	43.0	0.0	52.0	0.0	1040.2	0.0	VICTORIA STREET
3448 - 3453	5 6	61	45.9	0.0	4.8	0.0	17.0	0.0	21.8	0.0	1062.0	0.0	VICTORIA STREET

Modelled Totals 7275 24.7 641.2 420.8 1062.0
 Observed Totals 0.0 0.0 0.0 0.0

JURNEY terminated successful
 APPENDIX TWO



Appendix B

Morning Peak Screenline Validation Output Files – ALL Vehicle

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+-----+
| 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 : 07-NOV-14 | RACKS TR |
| TRACKS T | Time run : 09:44:10 | TRACKS T |
| TRACKS | Platform : Win 95/NT | TRACKS |
| S TRACKS+-----+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
+-----+

+-----+
| TRACKS Licenced to |
| |
| at : Rata St, Christchurc |
| |
+-----+

Build Date : 27/01/14 14:11
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 : "AMP_RTA.DAT"
 Loaded Network : "WL13B0AALLB0.NL"
 27830 Links in network

Cordon Number : 1
 Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5765	5497	1040.	930	-110.	89.4	2.5	1454.	1561	107.	107.4	1.9	2494.	2491	-3.	99.9	*Ngaruawahia Bridge	
4907	3606	1346.	1119	-227.	83.1	4.6	2060.	2125	65.	103.2	1.0	3406.	3244	-162.	95.2	Fairfield Rd Bridge WBD	
3453	9823	472.	429	-43.	90.9	1.5	1748.	1222	-526.	69.9	9.7	2220.	1651	-569.	74.4	*Claudelands Rd Bridge RSI 16 WBD	
8233	9824	1458.	1467	9.	100.6	0.1	2037.	2010	-27.	98.7	0.4	3495.	3477	-18.	99.5	*Bridge St Anglesea to Victoria 109	
3509	3670	1931.	1773	-158.	91.8	2.6	2702.	2752	50.	101.9	0.7	4633.	4525	-108.	97.7	Cobham Dr Bridge RSI 18 SBD	
10685	6307	451.	437	-14.	96.9	0.5	427.	385	-42.	90.2	1.5	878.	822	-56.	93.6	Airport Rd - 02100004 Sth of Lochiel Rd	
6550	6432	1186.	1340	154.	113.0	3.1	734.	636	-98.	86.6	2.6	1919.	1976	57.	103.0	*Victoria St (Cambridge) - Alpha to Duke	
6171	10228	962.	934	-28.	97.1	0.6	420.	418	-2.	99.5	0.1	1381.	1352	-29.	97.9	*Shakespeare Bridge (Cambridge)	
4408	8402	959.	758	-201.	79.0	4.8	2174.	1928	-246.	88.7	3.8	3133.	2686	-447.	85.7	01N00702 Control Gates Bridge (Taupo)	
2607	9841	146.	114	-32.	78.1	2.0	182.	154	-28.	84.6	1.5	328.	268	-60.	81.7	Maungatautari Road - North of Hydro Road	
8992	8424	89.	126	37.	141.6	2.6	83.	58	-25.	69.9	2.0	172.	184	12.	107.0	03200028 230m before Whakamaru Dam	
8929	8958	166.	158	-8.	95.2	0.4	234.	281	47.	120.1	2.0	400.	439	39.	109.8	SH1 - south of SH30	

Number of links = 12 Number of forward links = 12 Number of back links = 12

TOTALS	FORWARD	BACK	TOTALS
COUNT	10206.	14255.	24459.
VOLUME	9585.	13530.	23115.
CHANGE	-621.	-725.	-1344.
%	94.	95.	95.
CORREL.			
COEFF.	0.984	0.983	0.991
%RMS	14.09	15.46	11.21
r^2	0.968	0.966	0.982
GEH	4.4	4.3	6.2
GEH <5	<7.5	<10	<12
#	23	23	24
%	95.8	95.8	100.0
			0.0

Cordon Number : 2

Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
2732	4872	1234.	1275	41.	103.3	0.8	782.	730	-52.	93.4	1.3	2016.	2005	-11.	99.5	00300029- 350m Nth of Saint Ledger Rd
9936	8270	164.	256	92.	156.1	4.5	192.	190	-2.	99.0	0.1	357.	446	89.	124.9	03900052 - SH39 sth of Hanning Piongia
3507	8267	441.	394	-47.	89.3	1.6	156.	244	88.	156.4	4.4	597.	638	41.	106.9	02300037 - SH23 90m East of Wrights Road
10323	9789	1333.	1156	-177.	86.7	3.5	1570.	1635	65.	104.1	1.1	2903.	2791	-112.	96.1	SH1 sth of Tregoweth Huntly
9593	10779	145.	89	-56.	61.4	3.7	40.	33	-7.	82.5	0.9	185.	122	-63.	65.9	Waingaro Road
2854	2853	167.	105	-62.	62.9	3.8	263.	197	-66.	74.9	3.1	430.	302	-128.	70.2	Hakarimata Rd
9968	9944	49.	62	13.	126.5	1.3	83.	69	-14.	83.1	1.1	132.	131	-1.	99.2	Orini Rd
9913	9915	133.	183	50.	137.6	2.8	252.	350	98.	138.9	4.0	385.	533	148.	138.4	Whitikahu Rd
5650	10786	65.	219	154.	336.9	9.2	92.	241	149.	262.0	8.1	157.	460	303.	293.0	Scotsman Valley Rd
10707	9924	802.	762	-40.	95.0	1.0	753.	701	-52.	93.1	1.4	1475.	1463	-12.	99.2	Piako Road
4808	10272	958.	803	-155.	83.8	3.7	1037.	1028	-9.	99.1	0.2	1995.	1831	-164.	91.8	01N00580
9841	2607	182.	154	-28.	84.6	1.5	146.	114	-32.	78.1	2.0	328.	268	-60.	81.7	Maungatautari Road - North of Hydro Road
4817	4877	118.	151	33.	128.0	2.0	110.	121	11.	110.0	0.7	228.	272	44.	119.3	Golf Road - West Flat Road
8438	10243	260.	272	12.	104.6	0.5	117.	140	23.	119.7	1.5	377.	412	35.	109.3	Pokuru Road

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	6051.	5593.	11565.
VOLUME	5881.	5793.	11674.
CHANGE	-170.	200.	109.
%	97.	104.	101.
CORREL.			
COEFF.	0.984	0.990	0.992
%RMS	20.76	16.36	14.64
r^2	0.968	0.981	0.984
GEH	1.6	1.9	0.7
GEH <5	<7.5	<10	<12
#	26	26	28
%	92.9	92.9	100.0

Cordon Number : 3

Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
9110	10206	316.	511	195.	161.7	6.8	276.	165	-111.	59.8	5.3	593.	676	83.	114.0	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	368.	407	39.	110.6	1.4	261.	189	-72.	72.4	3.4	629.	596	-33.	94.8	03000141 - 155m before Gun Club Road
8518	8274	104.	91	-13.	87.5	1.0	140.	104	-36.	74.3	2.3	244.	195	-49.	79.9	SH1 sth of Taupahi Turangi
10323	9789	1333.	1156	-177.	86.7	3.5	1570.	1635	65.	104.1	1.1	2904.	2791	-113.	96.1	SH1 sth of Tregoweth Huntly
9911	2711	145.	356	211.	245.5	9.5	40.	161	121.	402.5	8.5	185.	517	332.	279.5	Waingaro Road
2854	2853	167.	105	-62.	62.9	3.8	263.	197	-66.	74.9	3.1	430.	302	-128.	70.2	Hakarimata Rd
9962	10693	87.	68	-19.	78.2	1.5	96.	106	10.	110.4	0.7	183.	174	-9.	95.1	Tahuna Rd east of Rutherford Rd
9958	9948	18.	21	3.	116.7	0.3	16.	21	5.	131.2	0.7	34.	42	8.	123.5	Taniwha Rd nth of Waiterimu Rd
8549	4246	148.	206	58.	139.2	3.1	209.	338	129.	161.7	5.6	358.	544	186.	152.0	00500138 278m past crown road (Taupo)
8792	8552	291.	161	-130.	55.3	6.1	284.	194	-90.	68.3	4.1	575.	355	-220.	61.7	00500125 98m before SH1 (Wairakei)
8779	8959	38.	36	-2.	94.7	0.2	41.	36	-5.	87.8	0.5	79.	72	-7.	91.1	04100029 50m East of Moerangi Road
8522	8273	39.	39	0.	100.0	0.0	84.	49	-35.	58.3	3.1	123.	88	-35.	71.5	04700046 242m before SH41
8449	9737	219.	219	0.	100.0	0.0	196.	158	-38.	80.6	2.0	415.	377	-38.	90.8	02700011 Kaihere - Telemetry Site 33
10167	8179	185.	203	18.	109.7	0.9	215.	279	64.	129.8	2.9	400.	482	82.	120.5	02600055 515m nth of Patuwahao Stream Bridge
9145	3918	837.	827	-10.	98.8	0.2	513.	429	-84.	83.6	2.7	1350.	1256	-94.	93.0	02900034 Kaimai - Telemetry Site 12 - 1
8996	8387	337.	304	-33.	90.2	1.3	381.	450	69.	118.1	2.4	718.	754	36.	105.0	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	36.	26	-10.	72.2	1.3	44.	46	2.	104.5	0.2	80.	72	-8.	90.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	425.	473	48.	111.3	1.6	457.	542	85.	118.6	2.7	882.	1015	133.	115.1	00300066 800m past SH 37 (Waitomo Road)
3506	8271	39.	76	37.	194.9	3.6	44.	31	-13.	70.5	1.6	83.	107	24.	128.9	03100022 500m west of Ngutunui Road
3507	8267	441.	394	-47.	89.3	1.6	156.	244	88.	156.4	4.4	597.	638	41.	106.9	02300037 - SH23 West of Heddon Raglan

Number of links = 20 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	5573.	5286.	10862.
VOLUME	5679.	5374.	11053.
CHANGE	106.	88.	191.
%	102.	102.	102.
CORREL.			
COEFF.	0.962	0.979	0.983
%RMS	31.62	27.54	22.05
r^2	0.925	0.958	0.966
GEH	1.0	0.9	1.3
GEH <5	<7.5	<10	<12
#	34	38	40
%	85.0	95.0	100.0

Cordon Number : 4

Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
5452	10678	414.	466	52.	112.6	1.8	573.	496	-77.	86.6	2.3	986.	962	-24.	97.6	02600009 700m east of Platt Rd
5614	5613	214.	143	-71.	66.8	3.8	208.	130	-78.	62.5	4.2	421.	273	-148.	64.8	01B00015 500m past Gordonton Rd/Taylor
5485	2822	203.	187	-16.	92.1	0.8	205.	190	-15.	92.7	0.7	408.	377	-31.	92.4	01B00024 100m past Holland Rd Intersection
4800	4799	869.	794	-75.	91.4	1.8	1253.	1377	124.	109.9	2.4	2122.	2171	49.	102.3	01N00529 100m sth of Hopu Hopu Rail Bridge
5849	5690	1323.	1282	-41.	96.9	0.8	1196.	1075	-121.	89.9	2.6	2519.	2357	-162.	93.6	01N00563 120m sth of Pickering Rd
4111	10565	555.	477	-78.	85.9	2.4	713.	667	-46.	93.5	1.2	1268.	1144	-124.	90.2	02600002 875m west of Lisette Rd

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3578.	4148.	7724.
VOLUME	3349.	3935.	7284.
CHANGE	-229.	-213.	-440.
%	94.	95.	94.
CORREL.			
COEFF.	0.993	0.986	0.995
%RMS	10.97	13.63	9.02
r^2	0.987	0.973	0.991
GEH	2.8	2.4	3.6
GEH <5	<7.5	<10	<12
#	12	12	12
%	100.0	100.0	100.0

Cordon Number : 5

Description : *screenline 5 - North

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
8305	8830	270.	223	-47.	82.6	2.2	319.	304	-15.	95.3	0.6	590.	527	-63.	89.3	00200052 650m past Orchard Rd	
3384	8873	362.	319	-43.	88.1	1.7	344.	424	80.	123.3	2.9	706.	743	37.	105.2	00200066 986m past of Awaiti Rd	
8720	8320	460.	608	148.	132.2	4.5	386.	512	126.	132.6	4.2	846.	1120	274.	132.4	00200091 Waihi - Telemetry Site 34 - E	
8306	8534	280.	271	-9.	96.8	0.4	387.	505	118.	130.5	4.0	667.	776	109.	116.3	02500021 335m before Hauraki Rd	
3163	3590	49.	39	-10.	79.6	1.1	31.	88	57.	283.9	5.3	80.	127	47.	158.8	02500098 12m before 1st Abut Oponui	
9162	8871	114.	194	80.	170.2	4.6	142.	248	106.	174.6	5.4	256.	442	186.	172.7	02500240 nth of Gladestone Rd	
8872	2948	131.	153	22.	116.8	1.3	219.	236	17.	107.8	0.8	350.	389	39.	111.1	02600075 380m past Komata River Bridge	
8449	9737	219.	219	0.	100.0	0.0	196.	158	-38.	80.6	2.0	415.	377	-38.	90.8	02700011 Kaihere - Telemetry Site 33	
13522	13646	1126.	1096	-30.	97.3	0.6	1253.	1097	-156.	87.5	3.2	2379.	2193	-186.	92.2	01N20482 400m before Horace Russell Rd	
8309	8855	127.	192	65.	151.2	3.7	187.	113	-74.	60.4	4.3	314.	305	-9.	97.1	25A00024 Hkuae - Telemetry Site 76	
9720	2941	531.	469	-62.	88.3	2.0	451.	420	-31.	93.1	1.0	983.	889	-94.	90.4	00200033 By RS peg 32/1	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3669.	3915.	7586.
VOLUME	3783.	4105.	7888.
CHANGE	114.	190.	302.
%	103.	105.	104.
CORREL.			
COEFF.	0.978	0.965	0.980
%RMS	19.43	25.66	19.21
r^2	0.956	0.931	0.961
GEH	1.3	2.1	2.4
GEH <5	<7.5	<10	>12
#	20	22	22
%	90.9	100.0	100.0

Cordon Number : 6

Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3613	8728	1095.	848	-247.	77.4	5.6	1760.	1782	22.	101.2	0.4	2855.	2630	-225.	92.1	00200141 near Tga RSI Site 23
9145	3918	837.	827	-10.	98.8	0.2	513.	429	-84.	83.6	2.7	1350.	1256	-94.	93.0	02900034 Kaimai - Telemetry Site 12 - 1
3925	9138	220.	126	-94.	57.3	5.1	334.	418	84.	125.1	3.1	554.	544	-10.	98.2	03600012 760m sth of Williams Rd
3908	10796	1579.	1712	133.	108.4	2.3	1112.	1166	54.	104.9	1.1	2690.	2878	188.	107.0	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	3731.	3719.	7449.
VOLUME	3513.	3795.	7308.
CHANGE	-218.	76.	-141.
%	94.	102.	98.

CORREL.

COEFF.	0.975	0.994	0.988
%RMS	18.32	8.22	9.55
r^2	0.951	0.988	0.976
GEH	2.6	0.9	1.2

GEH	<5	<7.5	<10	<12	>12
#	6	8	8	8	0
%	75.0	100.0	100.0	100.0	0.0

Cordon Number : 7

Description : *screenline 7 - South

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
10727	8529	25.	36	11.	144.0	1.5	22.	27	5.	122.7	0.6	47.	63	16.	134.0	03200074 west of Taupo - Telemetry Site
4558	8578	199.	143	-56.	71.9	3.0	251.	146	-105.	58.2	5.2	450.	289	-161.	64.2	01N00729 Halletts Bay - Telemetry Site
8740	4352	1115.	1037	-78.	93.0	1.7	587.	610	23.	103.9	0.7	1702.	1647	-55.	96.8	01N00705 100m nth of SH5 (East to Napi
8932	8740	944.	919	-25.	97.4	0.6	520.	525	5.	101.0	0.1	1464.	1444	-20.	98.6	01N00706 300m Sth of SH5
8635	8755	440.	367	-73.	83.4	2.6	239.	256	17.	107.1	0.8	680.	623	-57.	91.6	01N00700 at RS peg 606/5.07
4408	8402	959.	758	-201.	79.0	4.8	2174.	1928	-246.	88.7	3.8	3133.	2686	-447.	85.7	01N00702 Control Gates Bridge (Taupo)
8549	4246	148.	206	58.	139.2	3.1	209.	338	129.	161.7	5.6	358.	544	186.	152.0	00500138 278m past Crown Rd (Taupo)

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

TOTALS FORWARD BACK TOTALS

COUNT	3830.	4002.	7834.
VOLUME	3466.	3830.	7296.
CHANGE	-364.	-172.	-538.
%	90.	96.	93.

CORREL.

COEFF.	0.987	0.994	0.991
%RMS	18.13	21.31	18.86
r^2	0.975	0.987	0.983
GEH	4.3	1.9	4.4

GEH	<5	<7.5	<10	<12	>12
#	12	14	14	14	0
%	85.7	100.0	100.0	100.0	0.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
9521	10776	395.	666	271.	168.6	8.4	430.	555	125.	129.1	4.0	825.	1221	396.	148.0	00300038	335m nth of Wharepuhanga Road
3497	10125	425.	473	48.	111.3	1.6	457.	542	85.	118.6	2.7	882.	1015	133.	115.1	00300066	800m past State Highway 37 (Waitomo Rd)
10193	8493	203.	202	-1.	99.5	0.0	198.	74	-124.	37.4	7.5	401.	276	-125.	68.8	00500000	217m past SH1 (Tirau)
8996	8387	337.	304	-33.	90.2	1.3	381.	450	69.	118.1	2.4	718.	754	36.	105.0	00500082	520M Sth of ERP 77/3.70, Waiotapu
10192	8565	489.	491	2.	100.4	0.1	687.	607	-80.	88.4	2.2	1176.	1098	-78.	93.4	01N00620	Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	667.	698	31.	104.6	0.9	661.	706	45.	106.8	1.2	1328.	1404	76.	105.7	02400001	120m East of Tower Road RAB
9264	9924	484.	616	132.	127.3	4.0	370.	520	150.	140.5	5.0	854.	1136	282.	133.0	02600022	855m West of Piako Road (Motumaoho)
10167	8179	185.	203	18.	109.7	0.9	215.	279	64.	129.8	2.9	400.	482	82.	120.5	02600055	515m nth of Patuwahao Stream Bridge
8458	9591	473.	467	-6.	98.7	0.2	479.	506	27.	105.6	0.9	953.	973	20.	102.1	02700065	200m sth of Matamata Airport Entrance
9573	9842	251.	214	-37.	85.3	1.7	240.	217	-23.	90.4	1.1	490.	431	-59.	88.0	02700083	320m past SH29
9126	9119	135.	220	85.	163.0	4.6	199.	137	-62.	68.8	3.4	334.	357	23.	106.9	02800000	163m past SH1 (Putaruru)
9655	9515	273.	201	-72.	73.6	3.3	202.	255	53.	126.2	2.4	475.	456	-19.	96.0	02800009	245m past SH5 (Whites Road)
9544	8486	442.	285	-157.	64.5	5.9	351.	263	-88.	74.9	3.6	793.	548	-245.	69.1	02900057	450m East of McNab Road
9854	9873	386.	490	104.	126.9	3.5	414.	317	-97.	76.6	3.6	800.	807	7.	100.9	02900069	200m sth of Totman Road
9550	9831	44.	26	-18.	59.1	2.2	36.	46	10.	127.8	1.1	80.	72	-8.	90.0	03000035	918m past Manaiti St (Bennydale)
8527	8528	161.	227	66.	141.0	3.4	228.	94	-134.	41.2	7.5	389.	321	-68.	82.5	03000110	133m past SH
4051	8384	368.	407	39.	110.6	1.4	261.	189	-72.	72.4	3.4	629.	596	-33.	94.8	03000141	155m before Gun Club Rd
3506	8271	39.	76	37.	194.9	3.6	44.	31	-13.	70.5	1.6	83.	107	24.	128.9	03100022	500m West of Ngutunui Rd
8992	8424	89.	126	37.	141.6	2.6	83.	58	-25.	69.9	2.0	172.	184	12.	107.0	03200028	230m before Whakamaru Dam
9689	9691	No Forward Link Present .					1094.	816	-278.	74.6	6.4	1094.	816	-278.	74.6	01N00509	685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	944.	657	-287.	69.6	7.2	No Back Link Present .					944.	657	-287.	69.6	01N00509	685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	6790.	7030.	13820.
VOLUME	7049.	6662.	13711.
CHANGE	259.	-368.	-109.
%	104.	95.	99.
CORREL.			
COEFF.	0.868	0.914	0.907
%RMS	32.84	29.51	24.51
r^2	0.753	0.835	0.823
GEH	2.2	3.1	0.7
GEH <5	<7.5	<10	<12
#	33	38	40
%	82.5	95.0	100.0

Cordon Number : 9
 Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	5645	565.	417	-148.	73.8	4.7	189.	127	-62.	67.2	3.5	754.	544	-210.	72.1	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	432.	541	109.	125.2	3.5	317.	231	-86.	72.9	3.7	749.	772	23.	103.1	Te Kowhai Rd East of Tasman Rd 166
3476	4904	1708.	1099	-609.	64.3	11.5	480.	825	345.	171.9	9.5	2188.	1924	-264.	87.9	Forest lake Rd railway underpass 63/64
3456	4721	1887.	2018	131.	106.9	2.1	838.	1270	432.	151.6	9.4	2725.	3288	563.	120.7	Norton Rd at railway 718 11 May
8889	6664	1373.	1403	30.	102.2	0.6	904.	958	54.	106.0	1.3	2277.	2361	84.	103.7	Hall St overpass
5199	2654	911.	938	27.	103.0	0.7	1300.	669	-631.	51.5	14.2	2212.	1607	-605.	72.6	Killarney Rd Railway crossing 1419
3175	4709	2197.	1737	-460.	79.1	7.3	2044.	2192	148.	107.2	2.3	4241.	3929	-312.	92.6	01N00552 120m east of Railway Crossing
3168	4788	132.	324	192.	245.5	9.0	465.	147	-318.	31.6	12.9	596.	471	-125.	79.0	Collins Rd railway crossing 149

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	9205.	6537.	15742.
VOLUME	8477.	6419.	14896.
CHANGE	-728.	-118.	-846.
%	92.	98.	95.
CORREL.			
COEFF.	0.925	0.868	0.963
%RMS	26.93	42.42	18.40
r^2	0.855	0.754	0.928
GEH	5.5	1.0	4.8
GEH <5	<7.5	<10	<12
#	9	10	13
%	56.2	62.5	81.2

Cordon Number : 10
 Description : *screenline 10 Hamilton Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4907	3606	1346.	1119	-227.	83.1	4.6	2060.	2125	65.	103.2	1.0	3406.	3244	-162.	95.2	Fairfield Rd Bridge WBD
3453	9823	472.	429	-43.	90.9	1.5	1748.	1222	-526.	69.9	9.7	2220.	1651	-569.	74.4	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	1458.	1467	9.	100.6	0.1	2037.	2010	-27.	98.7	0.4	3495.	3477	-18.	99.5	*Bridge St Anglesea to Victoria 109
3509	3670	1931.	1773	-158.	91.8	2.6	2702.	2752	50.	101.9	0.7	4633.	4525	-108.	97.7	Cobham Drive Bridge RSI 18 SBD

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	5207.	8547.	13754.
VOLUME	4788.	8109.	12897.
CHANGE	-419.	-438.	-857.
%	92.	95.	94.
CORREL.			
COEFF.	0.985	0.945	0.992
%RMS	12.42	14.40	10.10
r^2	0.970	0.893	0.984
GEH	4.2	3.4	5.3
GEH <5	<7.5	<10	<12
#	7	7	8
%	87.5	87.5	100.0

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4111	10565	555.	477	-78.	85.9	2.4	713.	667	-46.	93.5	1.2	1268.	1144	-124.	90.2	02600002 875m West of Lissette Road
7024	7788	100.	117	17.	117.0	1.1	343.	354	11.	103.2	0.5	442.	471	29.	106.6	Powells Rd btw Alderson&Raymond S309
10696	10598	417.	351	-66.	84.2	2.4	465.	411	-54.	88.4	1.8	883.	762	-121.	86.3	Puketaha Rd
3921	3920	460.	397	-63.	86.3	2.2	703.	576	-127.	81.9	3.5	1163.	973	-190.	83.7	Ruakura Rd East of Silverdale 155
7789	8078	180.	176	-4.	97.8	0.2	106.	123	17.	116.0	1.1	285.	299	14.	104.9	Fairview St btw Wattle&Radiata S307

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	1712.	2330.	4041.
VOLUME	1518.	2131.	3649.
CHANGE	-194.	-199.	-392.
%	89.	91.	90.
CORREL.			
COEFF.	0.999	0.987	0.994
%RMS	17.71	15.76	16.03
r^2	0.998	0.975	0.988
GEH	3.4	3.0	4.5
GEH <5	<7.5	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
3938	7174	774.	557	-217.	72.0	6.0	956.	836	-120.	87.4	2.8	1730.	1393	-337.	80.5	Pukete Rd btw Cullimore&Wairere 255
3503	2767	532.	475	-57.	89.3	1.8	1352.	1259	-93.	93.1	1.8	1884.	1734	-150.	92.0	Resolution Dr Nth of Wairere Dr 188
3558	3557	895.	973	78.	108.7	1.8	1683.	1846	163.	109.7	2.8	2578.	2819	241.	109.3	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	949.	617	-332.	65.0	8.4	1638.	1145	-493.	69.9	9.4	2587.	1762	-825.	68.1	Gordonton Rd btw Crosby&Greenhill
5510	2822	126.	169	43.	134.1	2.4	365.	248	-117.	67.9	4.7	491.	417	-74.	84.9	Holland Rd btw Ruakura&SH1B
5485	2822	203.	187	-16.	92.1	0.8	205.	190	-15.	92.7	0.7	408.	377	-31.	92.4	01B00024 100m past Holland Road Intersection
5195	6838	226.	174	-52.	77.0	2.6	224.	199	-25.	88.8	1.3	450.	373	-77.	82.9	Totara Dr - Nth Delamare Rd S325
4745	4746	44.	56	12.	127.3	1.2	91.	76	-15.	83.5	1.1	134.	132	-2.	98.5	Delamare Rd - North Wairere Dr

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	3749.	6514.	10262.
VOLUME	3208.	5799.	9007.
CHANGE	-541.	-715.	-1255.
%	86.	89.	88.
CORREL.			
COEFF.	0.929	0.961	0.952
%RMS	33.41	25.74	27.75
r^2	0.862	0.924	0.907
GEH	6.5	6.5	9.0
GEH <5	<7.5	<10	<12
#	13	14	16
%	81.2	87.5	100.0

Cordon Number : 13

Description : *screenline 13 - Southn HCC

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3339	3735	838.	804	-34.	95.9	0.8	404.	370	-34.	91.6	1.2	1242.	1174	-68.	94.5	Tuhikaramea Rd by speed limit sigh 752
4761	5535	2526.	2773	247.	109.8	3.4	1378.	1044	-334.	75.8	6.8	3905.	3817	-88.	97.7	Ohaupo Rd north of Normandy Ave
4847	8214	1938.	1666	-272.	86.0	4.5	995.	1099	104.	110.5	2.3	2934.	2765	-169.	94.2	Normandy Ave north of Bader St
3587	4157	2799.	2479	-320.	88.6	4.4	1808.	1588	-220.	87.8	3.8	4607.	4067	-540.	88.3	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	201.	177	-24.	88.1	1.2	615.	492	-123.	80.0	3.7	816.	669	-147.	82.0	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	8302.	5200.	13504.
VOLUME	7899.	4593.	12492.
CHANGE	-403.	-607.	-1012.
%	95.	88.	93.
CORREL.			
COEFF.	0.979	0.959	0.995
%RMS	14.73	20.79	11.02
r^2	0.958	0.920	0.990
GEH	3.2	6.1	6.3
GEH <5	<7.5	<10	<12
#	9	10	10
%	90.0	100.0	100.0

Cordon Number : 14

Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4449	4470	562.	499	-63.	88.8	2.0	496.	563	67.	113.5	2.0	1057.	1062	5.	100.5	Victoria Road (Taylor/Hautapu)
5929	8294	129.	104	-25.	80.6	1.6	324.	224	-100.	69.1	4.3	453.	328	-125.	72.4	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	1323.	1282	-41.	96.9	0.8	1196.	1075	-121.	89.9	2.6	2519.	2357	-162.	93.6	01N00563 - SH1N 120m soth of Pickering Road

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	2014.	2016.	4029.
VOLUME	1885.	1862.	3747.
CHANGE	-129.	-154.	-282.
%	94.	92.	93.
CORREL.			
COEFF.	1.000	0.976	0.997
%RMS	8.34	17.96	10.78
r^2	0.999	0.953	0.994
GEH	2.1	2.5	3.2
GEH <5	<7.5	<10	<12
#	6	6	6
%	100.0	100.0	100.0

Cordon Number : 15

Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4554	4553	1331.	1223	-108.	91.9	2.1	723.	537	-186.	74.3	5.2	2054.	1760	-294.	85.7	00300012 1510 past SH21 Airport Road
6075	10261	288.	224	-64.	77.8	2.8	200.	200	0.	100.0	0.0	488.	424	-64.	86.9	18000m Cambridge Rd Rural
9402	5417	621.	638	17.	102.7	0.5	556.	599	43.	107.7	1.2	1177.	1237	60.	105.1	Alexandra Street 186
2732	4872	1234.	1275	41.	103.3	0.8	782.	730	-52.	93.4	1.3	2016.	2005	-11.	99.5	00300029 350m Nth of Saint Ledger Road

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

TOTALS FORWARD BACK TOTALS

COUNT	3474.	2261.	5735.
VOLUME	3360.	2066.	5426.
CHANGE	-114.	-195.	-309.
%	97.	91.	95.

CORREL.

COEFF.	0.990	0.927	0.980
%RMS	8.85	20.21	12.36
r^2	0.981	0.860	0.960
GEH	1.4	2.9	2.9

GEH	<5	<7.5	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 16

Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
12430	12431	2064.	2021	-43.	97.9	0.7	No Back Link Present .					2064.	2021	-43.	97.9	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72
12388	12387	No Forward Link Present .					2093.	1918	-175.	91.6	2.7	2093.	1918	-175.	91.6	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	1164.	1128	-36.	96.9	0.8	1227.	1086	-141.	88.5	2.9	2390.	2214	-176.	92.6	SH2 Interchange NB SB
11582	8693	643.	651	8.	101.2	0.2	653.	649	-4.	99.4	0.1	1295.	1300	5.	100.4	00200002 Maungatawhiri - Telemetry Site 74

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS FORWARD BACK TOTALS

COUNT	3871.	3973.	7842.
VOLUME	3800.	3653.	7453.
CHANGE	-71.	-320.	-389.
%	98.	92.	95.

CORREL.

COEFF.	1.000	0.998	0.991
%RMS	3.10	12.00	7.42
r^2	1.000	0.996	0.982
GEH	0.8	3.7	3.2

GEH	<5	<7.5	<10	<12	>12
#	6	6	6	6	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 17

Description : *screenline 17 Crossing btw Waikato and

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8666	8698	599.	443	-156.	74.0	4.8	540.	704	164.	130.4	4.6	1139.	1147	8.	100.7	00200106 500m East of Athenree Road (Tauranga Side
9145	3918	837.	827	-10.	98.8	0.2	513.	429	-84.	83.6	2.7	1350.	1256	-94.	93.0	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	316.	511	195.	161.7	6.8	276.	165	-111.	59.8	5.3	593.	676	83.	114.0	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	368.	407	39.	110.6	1.4	261.	189	-72.	72.4	3.4	629.	596	-33.	94.8	03000141 155m before Gun Club Road
8996	8387	337.	304	-33.	90.2	1.3	381.	450	69.	118.1	2.4	718.	754	36.	105.0	00500082 520m sth of ERP 7713.70 Waiotapu

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	2457.	1971.	4429.
VOLUME	2492.	1937.	4429.
CHANGE	35.	-34.	0.
%	101.	98.	100.
CORREL.			
COEFF.	0.825	0.900	0.987
%RMS	25.96	30.07	7.61
r^2	0.681	0.810	0.973
GEH	0.5	0.5	0.0
GEH <5	<7.5	<10	<12
#	8	10	10
%	80.0	100.0	100.0

Cordon Number : 18

Description : *screenline 18 North Waikato lateral

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10167	8179	185.	203	18.	109.7	0.9	215.	279	64.	129.8	2.9	400.	482	82.	120.5	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	18.	21	3.	116.7	0.3	16.	21	5.	131.2	0.7	34.	42	8.	123.5	Taniwha Rd nth of Waiterimu Rd
8449	9737	219.	219	0.	100.0	0.0	196.	158	-38.	80.6	2.0	415.	377	-38.	90.8	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					1094.	816	-278.	74.6	6.4	1094.	816	-278.	74.6	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	944.	657	-287.	69.6	7.2	No Back Link Present .					944.	657	-287.	69.6	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	1366.	1521.	2887.
VOLUME	1100.	1274.	2374.
CHANGE	-266.	-247.	-513.
%	81.	84.	82.
CORREL.			
COEFF.	0.992	0.988	0.964
%RMS	48.62	43.70	35.48
r^2	0.984	0.977	0.929
GEH	5.4	4.7	7.1
GEH <5	<7.5	<10	<12
#	6	8	8
%	75.0	100.0	100.0

Cordon Number : 19
 Description : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8854	8642	196.	190	-6.	96.9	0.3	127.	115	-12.	90.6	0.8	323.	305	-18.	94.4	02500177 Swampy Stream Bridge
3599	8832	146.	227	81.	155.5	4.1	355.	385	30.	108.5	1.1	501.	612	111.	122.2	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	342.	482.	824.
VOLUME	417.	500.	917.
CHANGE	75.	18.	93.
%	122.	104.	111.

CORREL.	COEFF.	%RMS	r^2	GEH
	-1.000	47.50	1.000	2.7
	1.000	13.41	1.000	0.6
	27.29		1.000	2.2

GEH	<5	<7.5	<10	<12	>12
#	4	4	4	4	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 20
 Description : *screenline 20 - Southern Links

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4773	4566	70.	75	5.	107.1	0.3	29.	46	17.	158.6	2.1	99.	121	22.	122.2	Gillard Rd South Fletcher Road
2917	3157	1456.	1456	0.	100.0	0.0	834.	767	-67.	92.0	1.7	2290.	2223	-67.	97.1	00300003 - 285m sth of Dixons Road
2645	3726	3.	8	5.	266.7	1.9	22.	8	-14.	36.4	2.6	26.	16	-10.	61.5	Peacocks Rd North Stubbs Rd
4134	4926	255.	290	35.	113.7	1.5	130.	208	78.	160.0	4.2	385.	498	113.	129.4	Newell Rd
2786	3907	2355.	2070	-285.	87.9	4.3	1400.	1268	-132.	90.6	2.6	3755.	3338	-417.	88.9	01N00559 - 355m past Cherry Lane (Tamahere Motels)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	4139.	2415.	6555.
VOLUME	3899.	2297.	6196.
CHANGE	-240.	-118.	-359.
%	94.	95.	95.

CORREL.	COEFF.	%RMS	r^2	GEH
	0.997	17.35	0.998	2.7
	0.998	17.47	0.995	1.7
	16.70		0.996	3.2

GEH	<5	<7.5	<10	<12	>12
#	10	10	10	10	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 21

Description : *Removed Counts

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME			CHANGE	%
3514	5874	3368.	2688	-680.	79.8	8.7	2741.	944	-1797.	34.4	29.6	6109.	3632	-2477.	59.5	01N00546 North of Avalon/Te Rapa	July 2012 Count
7706	3483	1437.	1330	-107.	92.6	2.0	1320.	1059	-261.	80.2	5.4	2756.	2389	-367.	86.7	Avalon Drive overbridge	June 2014 count
3652	8293	1372.	1379	7.	100.5	0.1	2985.	3492	507.	117.0	6.3	4358.	4871	513.	111.8	*Wairere Dr Bridge RSI 13 WBD	Te Rapa Bypass and Wairere Dr signal

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	6177.	7046.	13223.
VOLUME	5397.	5495.	10892.
CHANGE	-780.	-1551.	-2331.
%	87.	78.	82.
CORREL.			
COEFF.	0.998	0.581	0.478
%RMS	23.64	56.76	41.01
r^2	0.996	0.337	0.229
GEH	7.3	13.9	15.0
GEH <5	<7	<10	>12
#	2	4	5
%	33.3	66.7	83.3

Cordon Number : 22

Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME			CHANGE
5765	5497	1040.	930	-110.	89.4	2.5	1454.	1561	107.	107.4	1.9	2494.	2491	-3.	99.9	*Ngaruawahia Bridge
4907	3606	1346.	1119	-227.	83.1	4.6	2060.	2125	65.	103.2	1.0	3406.	3244	-162.	95.2	Fairfield Rd Bridge WBD
3453	9823	472.	429	-43.	90.9	1.5	1748.	1222	-526.	69.9	9.7	2220.	1651	-569.	74.4	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	1458.	1467	9.	100.6	0.1	2037.	2010	-27.	98.7	0.4	3495.	3477	-18.	99.5	*Bridge St Anglesea to Victoria 109
3509	3670	1931.	1773	-158.	91.8	2.6	2702.	2752	50.	101.9	0.7	4633.	4525	-108.	97.7	Cobham Dr Bridge RSI 18 SBD
10685	6307	451.	437	-14.	96.9	0.5	427.	385	-42.	90.2	1.5	878.	822	-56.	93.6	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	1186.	1340	154.	113.0	3.1	734.	636	-98.	86.6	2.6	1919.	1976	57.	103.0	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	962.	934	-28.	97.1	0.6	420.	418	-2.	99.5	0.1	1381.	1352	-29.	97.9	*Shakespeare Bridge (Cambridge)
4408	8402	959.	758	-201.	79.0	4.8	2174.	1928	-246.	88.7	3.8	3133.	2686	-447.	85.7	01N00702 Control Gates Bridge (Taupo)
9841	2607	182.	154	-28.	84.6	1.5	146.	114	-32.	78.1	2.0	328.	268	-60.	81.7	Maungatautari Road - North of Hydro Road
8992	8424	89.	126	37.	141.6	2.6	83.	58	-25.	69.9	2.0	172.	184	12.	107.0	03200028 230m before Whakamaru Dam
8929	8958	166.	158	-8.	95.2	0.4	234.	281	47.	120.1	2.0	400.	439	39.	109.8	SH1 - south of SH30
2732	4872	1234.	1275	41.	103.3	0.8	782.	730	-52.	93.4	1.3	2016.	2005	-11.	99.5	00300029- 350m Nth of Saint Ledger Rd
9936	8270	164.	256	92.	156.1	4.5	192.	190	-2.	99.0	0.1	357.	446	89.	124.9	03900052 - SH39 sth of Hanning Piongia
3507	8267	200.	394	194.	197.0	8.0	448.	244	-204.	54.5	7.8	648.	638	-10.	98.5	02300037 - SH23 West of Heddon Raglan
10323	9789	1333.	1156	-177.	86.7	3.5	1570.	1635	65.	104.1	1.1	2904.	2791	-113.	96.1	SH1 sth of Tregoweth Huntly
9593	10779	145.	89	-56.	61.4	3.7	40.	33	-7.	82.5	0.9	185.	122	-63.	65.9	Waingaro Road
2854	2853	167.	105	-62.	62.9	3.8	263.	197	-66.	74.9	3.1	430.	302	-128.	70.2	Hakarimata Rd
9968	9944	49.	62	13.	126.5	1.3	83.	69	-14.	83.1	1.1	132.	131	-1.	99.2	Orini Rd
9913	9915	133.	183	50.	137.6	2.8	252.	350	98.	138.9	4.0	385.	533	148.	138.4	Whitikahu Rd
5650	10786	65.	219	154.	336.9	9.2	92.	241	149.	262.0	8.1	157.	460	303.	293.0	Scotsman Valley Rd
10707	9924	802.	762	-40.	95.0	1.0	753.	701	-52.	93.1	1.4	1475.	1463	-12.	99.2	Piako Road
4808	10272	958.	803	-155.	83.8	3.7	1037.	1028	-9.	99.1	0.2	1995.	1831	-164.	91.8	01N00580
4817	4877	118.	151	33.	128.0	2.0	110.	121	11.	110.0	0.7	228.	272	44.	119.3	Golf Road - West Flat Road
8438	10243	260.	272	12.	104.6	0.5	117.	140	23.	119.7	1.5	377.	412	35.	109.3	Pokuru Road
9110	10206	316.	511	195.	161.7	6.8	276.	165	-111.	59.8	5.3	593.	676	83.	114.0	SH5 - sth of Maraeroa Rd Rotorua

4051	8384	368.	407	39.	110.6	1.4	261.	189	-72.	72.4	3.4	629.	596	-33.	94.8	03000141 - 155m before Gun Club Road
8518	8274	104.	91	-13.	87.5	1.0	140.	104	-36.	74.3	2.3	244.	195	-49.	79.9	SH1 sth of Taupahi Turangi
9962	10693	87.	68	-19.	78.2	1.5	96.	106	10.	110.4	0.7	183.	174	-9.	95.1	Tahuna Rd east of Rutherford Rd
9958	9948	18.	21	3.	116.7	0.3	16.	21	5.	131.2	0.7	34.	42	8.	123.5	Taniwha Rd nth of Waiterimu Rd
8549	4246	148.	206	58.	139.2	3.1	209.	338	129.	161.7	5.6	358.	544	186.	152.0	00500138 278m past crown road (Taupo)
8792	8552	291.	161	-130.	55.3	6.1	284.	194	-90.	68.3	4.1	575.	355	-220.	61.7	00500125 98m before SH1 (Wairakei)
8779	8959	38.	36	-2.	94.7	0.2	41.	36	-5.	87.8	0.5	79.	72	-7.	91.1	04100029 50m East of Moerangi Road
8522	8273	39.	39	0.	100.0	0.0	84.	49	-35.	58.3	3.1	123.	88	-35.	71.5	04700046 242m before SH41
8449	9737	219.	219	0.	100.0	0.0	196.	158	-38.	80.6	2.0	415.	377	-38.	90.8	02700011 SH27 Kaihere - Telemetry Site 33
10167	8179	185.	203	18.	109.7	0.9	215.	279	64.	129.8	2.9	400.	482	82.	120.5	02600055 515m nth of Patuwahao Stream Bridge
8666	8698	599.	443	-156.	74.0	4.8	540.	704	164.	130.4	4.6	1139.	1147	8.	100.7	00200106 500m East of Athenree Road (Tauranga Side)
9145	3918	196.	827	631.	421.9	19.7	219.	429	210.	195.9	8.3	415.	1256	841.	302.7	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	86.	304	218.	353.5	11.0	74.	450	376.	608.1	16.4	160.	754	594.	471.2	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	36.	26	-10.	72.2	1.3	44.	46	2.	104.5	0.2	80.	72	-8.	90.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	425.	473	48.	111.3	1.6	457.	542	85.	118.6	2.7	882.	1015	133.	115.1	00300066 800m past SH 37 (Waitomo Road)
3506	8271	39.	76	37.	194.9	3.6	44.	31	-13.	70.5	1.6	83.	107	24.	128.9	03100022 500m west of Ngutunui Road
5452	10678	414.	466	52.	112.6	1.8	573.	496	-77.	86.6	2.3	986.	962	-24.	97.6	02600009 700m east of Platt Rd
5614	5613	214.	143	-71.	66.8	3.8	208.	130	-78.	62.5	4.2	421.	273	-148.	64.8	01B00015 500m past Gordonton Rd/Taylor
5485	2822	203.	187	-16.	92.1	0.8	205.	190	-15.	92.7	0.7	408.	377	-31.	92.4	01B00024 100m past Holland Road Intersection
4800	4799	869.	794	-75.	91.4	1.8	1253.	1377	124.	109.9	2.4	2122.	2171	49.	102.3	01N00529 100m sth of Hopu Hopu Rail Bridge
5849	5690	1323.	1282	-41.	96.9	0.8	1196.	1075	-121.	89.9	2.6	2519.	2357	-162.	93.6	01N00563 - SH1N 120m south of Pickering Road
4111	10565	555.	477	-78.	85.9	2.4	713.	667	-46.	93.5	1.2	1268.	1144	-124.	90.2	02600002 875m West of Lissette Road
8305	8830	270.	223	-47.	82.6	2.2	319.	304	-15.	95.3	0.6	590.	527	-63.	89.3	00200052 650m past Orchard Rd
3384	8873	362.	319	-43.	88.1	1.7	344.	424	80.	123.3	2.9	706.	743	37.	105.2	00200066 986m past of Awaiti Rd
8720	8320	460.	608	148.	132.2	4.5	386.	512	126.	132.6	4.2	846.	1120	274.	132.4	00200091 Waihi - Telemetry Site 34 - E
8306	8534	280.	271	-9.	96.8	0.4	387.	505	118.	130.5	4.0	667.	776	109.	116.3	02500021 335m before Hauraki Rd
3163	3590	49.	39	-10.	79.6	1.1	31.	88	57.	283.9	5.3	80.	127	47.	158.8	02500098 12m before 1st Abut Opitonui
9162	8871	114.	194	80.	170.2	4.6	142.	248	106.	174.6	5.4	256.	442	186.	172.7	02500240 nth of Gladestone Rd
8872	2948	131.	153	22.	116.8	1.3	219.	236	17.	107.8	0.8	350.	389	39.	111.1	02600075 380m past Komata River Bridge
13522	13646	1126.	1096	-30.	97.3	0.6	1253.	1097	-156.	87.5	3.2	2379.	2193	-186.	92.2	01N20482 400m before Horace Russell Rd
8309	8855	127.	192	65.	151.2	3.7	187.	113	-74.	60.4	4.3	314.	305	-9.	97.1	25A00024 Hkuae - Telemetry Site 76
9720	2941	531.	469	-62.	88.3	2.0	451.	420	-31.	93.1	1.0	983.	889	-94.	90.4	00200033 By RS peg 32/1
3613	8728	1095.	848	-247.	77.4	5.6	1760.	1782	22.	101.2	0.4	2855.	2630	-225.	92.1	00200141 near Tga RSI Site 23
3925	9138	220.	126	-94.	57.3	5.1	334.	418	84.	125.1	3.1	554.	544	-10.	98.2	03600012 760m sth of Williams Rd
3908	10796	1579.	1712	133.	108.4	2.3	1112.	1166	54.	104.9	1.1	2690.	2878	188.	107.0	00200187 Near Tga RSI Site 21
10727	8529	25.	36	11.	144.0	1.5	22.	27	5.	122.7	0.6	47.	63	16.	134.0	03200074 west of Taupo - Telemetry Site
4558	8578	199.	143	-56.	71.9	3.0	251.	146	-105.	58.2	5.2	450.	289	-161.	64.2	01N00729 Halletts Bay - Telemetry Site
8740	4352	1115.	1037	-78.	93.0	1.7	587.	610	23.	103.9	0.7	1702.	1647	-55.	96.8	01N00705 100m nth of SH5 (East to Napi
8932	8740	944.	919	-25.	97.4	0.6	520.	525	5.	101.0	0.1	1464.	1444	-20.	98.6	01N00706 300m Sth of SH5
8635	8755	440.	367	-73.	83.4	2.6	239.	256	17.	107.1	0.8	680.	623	-57.	91.6	01N00700 at RS peg 606/5.07
9521	10776	395.	666	271.	168.6	8.4	430.	555	125.	129.1	4.0	825.	1221	396.	148.0	00300038 335m nth of Wharepuhanga Road
10193	8493	203.	202	-1.	99.5	0.0	198.	74	-124.	37.4	7.5	401.	276	-125.	68.8	00500000 217m past SH1 (Tirau)
10192	8565	489.	491	2.	100.4	0.1	687.	607	-80.	88.4	2.2	1176.	1098	-78.	93.4	01N00620 Lichfield Telemetry Site 21
10158	10169	667.	698	31.	104.6	0.9	661.	706	45.	106.8	1.2	1328.	1404	76.	105.7	02400001 120m East of Tower Road RAB
9264	9924	484.	616	132.	127.3	4.0	370.	520	150.	140.5	5.0	854.	1136	282.	133.0	02600022 855m West of Piako Road (Motumaoho)
8458	9591	479.	467	-12.	97.5	0.4	473.	506	33.	107.0	1.1	953.	973	20.	102.1	02700065 SH27 South Matamata Airport
9842	9573	240.	217	-23.	90.4	1.1	251.	214	-37.	85.3	1.7	490.	431	-59.	88.0	02700083 SH27 South SH29
9126	9119	135.	220	85.	163.0	4.6	199.	137	-62.	68.8	3.4	334.	357	23.	106.9	02800000 163m past SH1 (Putaruru)
9655	9515	273.	201	-72.	73.6	3.3	202.	255	53.	126.2	2.4	475.	456	-19.	96.0	02800009 245m past SH5 (Whites Road)
9544	8486	442.	285	-157.	64.5	5.9	351.	263	-88.	74.9	3.6	793.	548	-245.	69.1	02900057 450m East of McNab Road
9854	9873	386.	490	104.	126.9	3.5	414.	317	-97.	76.6	3.6	800.	807	7.	100.9	02900069 200m sth of Totman Road
8527	8528	161.	227	66.	141.0	3.4	228.	94	-134.	41.2	7.5	389.	321	-68.	82.5	03000110 133m past SH
9689	9691	No Forward Link Present .					1094.	816	-278.	74.6	6.4	1094.	816	-278.	74.6	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	944.	657	-287.	69.6	7.2	No Back Link Present .					944.	657	-287.	69.6	01N00509 685m sth of Tahuna Overbridge Rangiriri NB
7164	5645	565.	417	-148.	73.8	4.7	189.	127	-62.	67.2	3.5	754.	544	-210.	72.1	Ruffell Rd Nth of Te Kowhat Rd 176 Check this
3287	3512	432.	541	109.	125.2	3.5	317.	231	-86.	72.9	3.7	749.	772	23.	103.1	Te Kowhai Rd East of Tasman Rd 166
3476	4904	1708.	1099	-609.	64.3	11.5	480.	825	345.	171.9	9.5	2188.	1924	-264.	87.9	Forest lake Rd railway underpass 63/64
3456	4721	1887.	2018	131.	106.9	2.1	838.	1270	432.	151.6	9.4	2725.	3288	563.	120.7	Norton Rd at railway 718 11 May
8889	6664	1373.	1403	30.	102.2	0.6	904.	958	54.	106.0	1.3	2277.	2361	84.	103.7	Hall St overpass
5199	2654	911.	938	27.	103.0	0.7	1300.	669	-631.	51.5	14.2	2212.	1607	-605.	72.6	Killarney Rd Railway crossing 1419-Nov
4709	3175	2044.	2192	148.	107.2	2.3	2197.	1737	-460.	79.1	7.3	4241.	3929	-312.	92.6	01N00552 120m east of Railway Crossing
3168	4788	132.	324	192.	245.5	9.0	465.	147	-318.	31.6	12.9	596.	471	-125.	79.0	Collins Rd railway crossing 149
7024	7788	100.	117	17.	117.0	1.1	343.	354	11.	103.2	0.5	442.	471	-29.	106.6	Powells Rd btw Alderson&Raymond S309
10696	10598	417.	351	-66.	84.2	2.4	465.	411	-54.	88.4	1.8	883.	762	-121.	86.3	Puketaha Rd

3921	3920	460.	397	-63.	86.3	2.2	703.	576	-127.	81.9	3.5	1163.	973	-190.	83.7	Ruakura Rd East of Silverdale 155
7789	8078	180.	176	-4.	97.8	0.2	106.	123	17.	116.0	1.1	285.	299	14.	104.9	Fairview St btw Wattle&Radiata S307
3938	7174	774.	557	-217.	72.0	6.0	956.	836	-120.	87.4	2.8	1730.	1393	-337.	80.5	Pukete Rd btw Cullimore&Wairere 255
3503	2767	532.	475	-57.	89.3	1.8	1352.	1259	-93.	93.1	1.8	1884.	1734	-150.	92.0	Resolution Dr Nth of Wairere Dr 188
3558	3557	895.	973	78.	108.7	1.8	1683.	1846	163.	109.7	2.8	2578.	2819	241.	109.3	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	750.	617	-133.	82.3	3.6	1294.	1145	-149.	88.5	3.0	2044.	1762	-282.	86.2	Gordonton Rd btw Crosby&Greenhill
5510	2822	126.	169	43.	134.1	2.4	365.	248	-117.	67.9	4.7	491.	417	-74.	84.9	Holland Rd btw Ruakura&SH1B
5195	6838	226.	174	-52.	77.0	2.6	224.	199	-25.	88.8	1.3	450.	373	-77.	82.9	Totara Dr - Nth Delamare Rd S325
4745	4746	44.	56	12.	127.3	1.2	91.	76	-15.	83.5	1.1	134.	132	-2.	98.5	Delamare Rd - North Wairere Dr
3339	3735	838.	804	-34.	95.9	0.8	404.	370	-34.	91.6	1.2	1242.	1174	-68.	94.5	132 Tuhikaramea Road by speed limit sign 752
4761	5535	2526.	2773	247.	109.8	3.4	1378.	1044	-334.	75.8	6.8	3905.	3817	-88.	97.7	Ohaupo Rd north of Normandy Ave
4847	8214	1938.	1666	-272.	86.0	4.5	995.	1099	104.	110.5	2.3	2934.	2765	-169.	94.2	Normandy Ave north of Bader St
3587	4157	2799.	2479	-320.	88.6	4.4	1808.	1588	-220.	87.8	3.8	4607.	4067	-540.	88.3	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	201.	177	-24.	88.1	1.2	615.	492	-123.	80.0	3.7	816.	669	-147.	82.0	Matangi Rd at Bridge 151
4449	4470	562.	499	-63.	88.8	2.0	496.	563	67.	113.5	2.0	1057.	1062	5.	100.5	Victoria Road (Taylor/Hautapu)
5929	8294	129.	104	-25.	80.6	1.6	324.	224	-100.	69.1	4.3	453.	328	-125.	72.4	Thornton Rd (Grosvenor/Bowen) 107
4554	4553	1331.	1223	-108.	91.9	2.1	723.	537	-186.	74.3	5.2	2054.	1760	-294.	85.7	00300012 1510 past SH21 Airport Road
6075	10261	288.	224	-64.	77.8	2.8	200.	200	0.	100.0	0.0	488.	424	-64.	86.9	18000m Cambridge Rd Rural
9402	5417	621.	638	17.	102.7	0.5	556.	599	43.	107.7	1.2	1177.	1237	60.	105.1	Alexandra Street 186
11582	8693	643.	651	8.	101.2	0.2	653.	649	-4.	99.4	0.1	1295.	1300	5.	100.4	00200002 Maungatawhiri - Telemetry Site 74
12430	12431	2064.	2021	-43.	97.9	0.7	No Back Link Present .					2064.	2021	-43.	97.9	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72
12388	12387	No Forward Link Present .					2093.	1918	-175.	91.6	2.7	2093.	1918	-175.	91.6	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	1164.	1128	-36.	96.9	0.8	1227.	1086	-141.	88.5	2.9	2390.	2214	-176.	92.6	SH2 Interchange NB SB
8854	8642	196.	190	-6.	96.9	0.3	127.	115	-12.	90.6	0.8	323.	305	-18.	94.4	02500177 Swampy Stream Bridge
3599	8832	146.	227	81.	155.5	4.1	355.	385	30.	108.5	1.1	501.	612	111.	122.2	02500036 Speed Restriction Sign (Whakatete Bay
4773	4566	70.	75	5.	107.1	0.3	29.	46	17.	158.6	2.1	99.	121	22.	122.2	Gillard Rd South Fletcher Road
2917	3157	1456.	1456	0.	100.0	0.0	834.	767	-67.	92.0	1.7	2290.	2223	-67.	97.1	00300003 - 285m sth of Dixons Road
2645	3726	3.	8	5.	266.7	1.9	22.	8	-14.	36.4	2.6	26.	16	-10.	61.5	Peacockes Rd North Stubbs Rd
4134	4926	255.	290	35.	113.7	1.5	130.	208	78.	160.0	4.2	385.	498	113.	129.4	Newell Rd M
2786	3907	2355.	2070	-285.	87.9	4.3	1400.	1268	-132.	90.6	2.6	3755.	3338	-417.	88.9	01N00559 - 355m past Cherry Lane (Tamahere Motels)
3500	5456	500.	348	-152.	69.6	5.2	160.	143	-17.	89.4	1.0	661.	491	-170.	74.3	203 Te Kowhai Road at City Boundry
3373	4770	551.	453	-98.	82.2	3.1	458.	408	-50.	89.1	1.7	1009.	861	-148.	85.3	54 Newcastle Road - Opposite Microwave Station
7548	5566	620.	474	-146.	76.5	4.4	244.	242	-2.	99.2	0.1	864.	716	-148.	82.9	152 Rotokauri Road - North of Brymer
10595	2720	58.	123	65.	212.1	4.8	66.	88	22.	133.3	1.8	124.	211	87.	170.2	S319 Exelby Road btw Kauri & Burbush
6610	6644	1192.	1122	-70.	94.1	1.5	392.	326	-66.	83.2	2.5	1584.	1448	-136.	91.4	02300004 - East of Newcastle Road

Number of links = 125 Number of forward links = 123 Number of back links = 123

TOTALS	FORWARD	BACK	TOTALS
COUNT	73069.	71365.	144355.
VOLUME	71218.	68296.	139514.
CHANGE	-1851.	-3069.	-4841.
%	97.	96.	97.
CORREL.			
COEFF.	0.975	0.969	0.984
%RMS	22.66	24.79	17.18
r^2	0.950	0.940	0.968
GEH	4.9	8.2	9.1
GEH <5	<7.5	<10	<12
#	210	229	240
%	85.4	93.1	97.6
			98.4
			1.6

Inter Peak Screenline Validation Output Files – All Vehicle

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+-----+
| 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 14:33:59 | 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 : "INP_RTA.DAT"
 Loaded Network : "WL13B0IALLB0.NL"
 27830 Links in network



Cordon Number : 1
 Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5765	5497	1179.	1094	-85.	92.8	1.8	1132.	1000	-132.	88.3	2.9	2311.	2094	-217.	90.6	*Ngaruawahia Bridge	
4907	3606	1572.	1562	-10.	99.4	0.2	1486.	1521	35.	102.4	0.6	3058.	3083	25.	100.8	Fairfield Rd Bridge WBD	
3453	9823	648.	690	42.	106.5	1.1	867.	797	-70.	91.9	1.7	1515.	1487	-28.	98.2	*Claudelands Rd Bridge RSI 16 WBD	
8233	9824	1762.	1826	64.	103.6	1.1	1346.	1485	139.	110.3	2.6	3108.	3311	203.	106.5	*Bridge St Anglesea to Victoria 109	
3509	3670	2198.	2023	-175.	92.0	2.7	2112.	2125	13.	100.6	0.2	4310.	4148	-162.	96.2	Cobham Dr Bridge RSI 18 SBD	
10685	6307	280.	411	131.	146.8	4.9	243.	400	157.	164.6	6.2	523.	811	288.	155.1	Airport Rd - 02100004 Sth of Lochiel Rd	
6550	6432	1127.	967	-160.	85.8	3.5	923.	802	-121.	86.9	2.9	2050.	1769	-281.	86.3	*Victoria St (Cambridge) - Alpha to Duke	
6171	10228	483.	574	91.	118.8	2.8	520.	538	18.	103.5	0.6	1003.	1112	109.	110.9	*Shakespeare Bridge (Cambridge)	
4408	8402	1447.	1460	13.	100.9	0.3	1424.	1292	-132.	90.7	2.5	2871.	2752	-119.	95.9	01N00702 Control Gates Bridge (Taupo)	
2607	9841	136.	124	-12.	91.2	0.7	128.	118	-10.	92.2	0.6	264.	242	-22.	91.7	Maungatautari Road - North of Hydro Road	
8992	8424	79.	66	-13.	83.5	1.0	105.	67	-38.	63.8	2.9	184.	133	-51.	72.3	03200028 230m before Whakamaru Dam	
8929	8958	333.	323	-10.	97.0	0.4	287.	199	-88.	69.3	4.0	620.	522	-98.	84.2	SH1 - south of SH30	

Number of links = 12 Number of forward links = 12 Number of back links = 12

TOTALS	FORWARD	BACK	TOTALS
COUNT	11244.	10573.	21817.
VOLUME	11120.	10344.	21464.
CHANGE	-124.	-229.	-353.
%	99.	98.	98.
CORREL.			
COEFF.	0.992	0.988	0.992
%RMS	9.94	11.32	9.33
r^2	0.985	0.977	0.985
GEH	0.8	1.6	1.7
GEH <5	<7	<10	<12
#	23	24	24
%	95.8	100.0	100.0

Cordon Number : 2

Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
2732	4872	945.	888	-57.	94.0	1.3	982.	955	-27.	97.3	0.6	1927.	1843	-84.	95.6	00300029- 350m Nth of Saint Ledger Rd	
9936	8270	185.	208	23.	112.4	1.2	204.	200	-4.	98.0	0.2	389.	408	19.	104.9	03900052 - SH39 sth of Hanning Piongia	
3507	8267	208.	287	79.	138.0	3.5	219.	269	50.	122.8	2.3	427.	556	129.	130.2	02300037 - SH23 90m East of Wrights Road	
10323	9789	1243.	1340	97.	107.8	1.9	1297.	1175	-122.	90.6	2.5	2540.	2515	-25.	99.0	SH1 sth of Tregoweth Huntly	
9593	10779	68.	44	-24.	64.7	2.3	61.	55	-6.	90.2	0.6	129.	99	-30.	76.7	Waingaro Road	
2854	2853	138.	128	-10.	92.8	0.6	140.	116	-24.	82.9	1.5	278.	244	-34.	87.8	Hakarimata Rd	
9968	9944	55.	42	-13.	76.4	1.2	60.	46	-14.	76.7	1.4	115.	88	-27.	76.5	Orini Rd	
9913	9915	111.	196	85.	176.6	4.9	147.	198	51.	134.7	2.8	258.	394	136.	152.7	Whitikahu Rd	
5650	10786	36.	154	118.	427.8	8.6	48.	167	119.	347.9	8.1	84.	321	237.	382.1	Scotsman Valley Rd	
10707	9924	598.	553	-45.	92.5	1.4	641.	569	-72.	88.8	2.1	1239.	1122	-117.	90.6	Piako Road	
6597	10788	962.	495	-467.	51.5	12.3	1016.	567	-449.	55.8	11.3	1978.	1062	-916.	53.7	01N00580	
9841	2607	128.	118	-10.	92.2	0.6	136.	124	-12.	91.2	0.7	264.	242	-22.	91.7	Maungatautari Road - North of Hydro Road	
4817	4877	110.	146	36.	132.7	2.2	94.	146	52.	155.3	3.4	204.	292	88.	143.1	Golf Road - West Flat Road	
8438	10243	169.	190	21.	112.4	1.2	147.	205	58.	139.5	3.1	316.	395	79.	125.0	Pokuru Road	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	4956.	5192.	10148.
VOLUME	4789.	4792.	9581.
CHANGE	-167.	-400.	-567.
%	97.	92.	94.
CORREL.			
COEFF.	0.937	0.959	0.950
%RMS	40.21	37.30	37.67
r^2	0.879	0.919	0.903
GEH	1.7	4.0	4.0
GEH <5	<7	<10	<12
#	24	24	26
%	85.7	85.7	92.9
			96.4
			3.6

Cordon Number : 3
 Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
9110	10206	334.	218	-116.	65.3	4.9	324.	236	-88.	72.8	3.7	658.	454	-204.	69.0	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	271.	249	-22.	91.9	1.0	286.	252	-34.	88.1	1.5	557.	501	-56.	89.9	03000141 - 155m before Gun Club Road
8518	8274	240.	222	-18.	92.5	0.8	254.	213	-41.	83.9	1.9	494.	435	-59.	88.1	SH1 sth of Taupahi Turangi
10323	9789	1243.	1340	97.	107.8	1.9	1297.	1175	-122.	90.6	2.5	2540.	2515	-25.	99.0	SH1 sth of Tregoweth Huntly
9911	2711	68.	193	125.	283.8	7.7	61.	214	153.	350.8	9.3	129.	407	278.	315.5	Waingaro Road
2854	2853	138.	128	-10.	92.8	0.6	140.	116	-24.	82.9	1.5	278.	244	-34.	87.8	Hakarimata Rd
9962	10693	74.	61	-13.	82.4	1.2	77.	70	-7.	90.9	0.5	151.	131	-20.	86.8	Tahuna Rd east of Rutherford Rd
9958	9948	15.	15	0.	100.0	0.0	16.	16	0.	100.0	0.0	31.	31	0.	100.0	Taniwha Rd nth of Waiterimu Rd
8549	4246	194.	325	131.	167.5	5.7	249.	346	97.	139.0	4.0	443.	671	228.	151.5	00500138 278m past crown road (Taupo)
8792	8552	274.	209	-65.	76.3	3.0	291.	191	-100.	65.6	4.6	565.	400	-165.	70.8	00500125 98m before SH1 (Wairakei)
8779	8959	48.	38	-10.	79.2	1.1	39.	40	1.	102.6	0.2	87.	78	-9.	89.7	04100029 50m East of Moerangi Road
8522	8273	98.	38	-60.	38.8	5.1	69.	43	-26.	62.3	2.5	167.	81	-86.	48.5	04700046 242m before SH41
8308	9964	251.	107	-144.	42.6	7.6	252.	107	-145.	42.5	7.7	503.	214	-289.	42.5	02700011 Kaihere - Telemetry Site 33
10167	8179	143.	169	26.	118.2	1.5	143.	190	47.	132.9	2.6	286.	359	73.	125.5	02600055 515m nth of Patuwahao Stream Bridge
9145	3918	546.	472	-74.	86.4	2.3	538.	539	1.	100.2	0.0	1084.	1011	-73.	93.3	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	326.	343	17.	105.2	0.6	332.	347	15.	104.5	0.5	658.	690	32.	104.9	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	48.	33	-15.	68.8	1.8	55.	35	-20.	63.6	2.1	103.	68	-35.	66.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	558.	515	-43.	92.3	1.3	503.	500	-3.	99.4	0.1	1061.	1015	-46.	95.7	00300066 800m past SH 37 (Waitomo Road)
3506	8271	41.	53	12.	129.3	1.3	44.	51	7.	115.9	0.6	85.	104	19.	122.4	03100022 500m west of Ngutunui Road
3507	8267	208.	287	79.	138.0	3.5	219.	269	50.	122.8	2.3	427.	556	129.	130.2	02300037 - SH23 West of Heddon Ragian

Number of links = 20 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	5118.	5189.	10307.
VOLUME	5015.	4950.	9965.
CHANGE	-103.	-239.	-342.
%	98.	95.	97.
CORREL.			
COEFF.	0.969	0.971	0.973
%RMS	28.39	27.40	25.57
r^2	0.939	0.943	0.947
GEH	1.0	2.4	2.4
GEH <5	<7	<10	<12
#	34	36	40
%	85.0	90.0	100.0

Cordon Number : 4
 Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5452	10678	303.	380	77.	125.4	3.0	325.	401	76.	123.4	2.8	628.	781	153.	124.4	02600009	700m east of Platt Rd
5614	5613	215.	102	-113.	47.4	6.3	176.	101	-75.	57.4	4.6	391.	203	-188.	51.9	01B00015	500m past Gordonton Rd/Taylor
5485	2822	199.	159	-40.	79.9	2.1	243.	164	-79.	67.5	3.9	442.	323	-119.	73.1	01B00024	100m past Holland Rd Intersection
4800	4799	1010.	983	-27.	97.3	0.6	1029.	875	-154.	85.0	3.5	2039.	1858	-181.	91.1	01N00529	100m sth of Hopu Hopu Rail Bridge
5849	5690	1078.	1128	50.	104.6	1.1	1075.	1072	-3.	99.7	0.0	2153.	2200	47.	102.2	01N00563	120m sth of Pickering Rd
4111	10565	418.	475	57.	113.6	1.9	414.	485	71.	117.1	2.3	832.	960	128.	115.4	02600002	875m west of Lisette Rd

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3223.	3262.	6485.
VOLUME	3227.	3098.	6325.
CHANGE	4.	-164.	-160.
%	100.	95.	98.
CORREL.			
COEFF.	0.986	0.974	0.982
%RMS	13.62	17.72	14.59
r^2	0.973	0.948	0.964
GEH	0.0	2.1	1.4
GEH <5	<7	<10	<12
#	11	12	12
%	91.7	100.0	100.0

Cordon Number : 5
 Description : *screenline 5 - North

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8305	8830	315.	237	-78.	75.2	3.3	274.	225	-49.	82.1	2.2	589.	462	-127.	78.4	00200052 650m past Orchard Rd
3384	8873	357.	344	-13.	96.4	0.5	360.	326	-34.	90.6	1.3	717.	670	-47.	93.4	00200066 986m past of Awaiti Rd
8720	8320	540.	402	-138.	74.4	4.5	528.	459	-69.	86.9	2.2	1068.	861	-207.	80.6	00200091 Waihi - Telemetry Site 34 - E
8306	8739	269.	202	-67.	75.1	3.0	352.	301	-51.	85.5	2.0	621.	503	-118.	81.0	02500021 335m before Hauraki Rd
3163	3590	121.	79	-42.	65.3	3.0	92.	52	-40.	56.5	3.3	213.	131	-82.	61.5	02500098 12m before 1st Abut Opiotunui
9162	8871	188.	171	-17.	91.0	1.0	210.	221	11.	105.2	0.5	398.	392	-6.	98.5	02500240 nth of Gladestone Rd
8872	2948	206.	170	-36.	82.5	1.9	203.	182	-21.	89.7	1.0	409.	352	-57.	86.1	02600075 380m past Komata River Bridge
8449	9737	251.	148	-103.	59.0	5.1	252.	160	-92.	63.5	4.5	503.	308	-195.	61.2	02700011 Kaihere - Telemetry Site 33
13522	13646	1004.	1335	331.	133.0	6.8	1201.	1233	32.	102.7	0.6	2205.	2568	363.	116.5	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road
8309	8855	145.	51	-94.	35.2	6.7	169.	119	-50.	70.4	3.0	314.	170	-144.	54.1	25A00024 Hkuae - Telemetry Site 76
9559	9719	541.	418	-123.	77.3	3.9	576.	531	-45.	92.2	1.4	1117.	949	-168.	85.0	00200033 By RS peg 32/1

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3937.	4217.	8154.
VOLUME	3557.	3809.	7366.
CHANGE	-380.	-408.	-788.
%	90.	90.	90.

CORREL.	FORWARD	BACK	TOTALS
COEFF.	0.965	0.996	0.986
%RMS	37.20	13.58	23.52
r^2	0.931	0.991	0.972
GEH	4.4	4.6	6.3

GEH	<5	<7	<10	<12	>12
#	19	22	22	22	0
%	86.4	100.0	100.0	100.0	0.0

Cordon Number : 6
 Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3613	8728	1115.	1308	193.	117.3	3.9	1095.	1271	176.	116.1	3.6	2210.	2579	369.	116.7	00200141 near Tga RSI Site 23
9145	3918	538.	472	-66.	87.7	2.1	546.	539	-7.	98.7	0.2	1084.	1011	-73.	93.3	02900034 Kaimai - Telemetry Site 12 - 1
3925	9138	154.	294	140.	190.9	6.6	184.	181	-3.	98.4	0.2	338.	475	137.	140.5	03600012 760m sth of Williams Rd
10796	10798	823.	860	37.	104.5	0.9	851.	926	75.	108.8	1.8	1674.	1786	112.	106.7	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	2630.	2676.	5306.
VOLUME	2934.	2917.	5851.
CHANGE	304.	241.	545.
%	112.	109.	110.

CORREL.	FORWARD	BACK	TOTALS
COEFF.	0.969	0.997	0.987
%RMS	21.97	16.52	18.09
r^2	0.938	0.993	0.974
GEH	4.1	3.2	5.2

GEH	<5	<7	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 7

Description : *screenline 7 - South

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10727	8529	45.	24	-21.	53.3	2.4	42.	26	-16.	61.9	1.9	87.	50	-37.	57.5	03200074 west of Taupo - Telemetry Site
4558	8578	351.	164	-187.	46.7	8.2	343.	168	-175.	49.0	7.7	694.	332	-362.	47.8	01N00729 Halletts Bay - Telemetry Site
8740	4352	759.	820	61.	108.0	1.6	943.	865	-78.	91.7	1.8	1702.	1685	-17.	99.0	01N00705 100m nth of SH5 (East to Napi
8932	8740	689.	670	-19.	97.2	0.5	764.	703	-61.	92.0	1.6	1453.	1373	-80.	94.5	01N00706 300m Sth of SH5
8635	8755	349.	288	-61.	82.5	2.4	366.	329	-37.	89.9	1.4	715.	617	-98.	86.3	01N00700 at RS peg 606/5.07
4408	8402	1447.	1460	13.	100.9	0.3	1424.	1292	-132.	90.7	2.5	2871.	2752	-119.	95.9	01N00702 Control Gates Bridge (Taupo)
8549	4246	194.	325	131.	167.5	5.7	249.	346	97.	139.0	4.0	443.	671	228.	151.5	00500138 278m past Crown Rd (Taupo)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3834.	4131.	7965.
VOLUME	3751.	3729.	7480.
CHANGE	-83.	-402.	-485.
%	98.	90.	94.
CORREL.			
COEFF.	0.980	0.985	0.983
%RMS	18.34	18.16	16.63
r^2	0.960	0.970	0.966
GEH	1.0	4.5	3.9
GEH <5	<7	<10	<12
#	11	12	14
%	78.6	85.7	100.0
		100.0	0.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
9521	10776	427.	507	80.	118.7	2.6	389.	544	155.	139.8	5.1	816.	1051	235.	128.8	00300038	335m nth of Wharepuhanga Road
3497	10125	558.	515	-43.	92.3	1.3	503.	500	-3.	99.4	0.1	1061.	1015	-46.	95.7	00300066	800m past State Highway 37 (Waitomo Rd)
10193	8493	179.	80	-99.	44.7	6.1	205.	81	-124.	39.5	7.4	384.	161	-223.	41.9	00500000	217m past SH1 (Tirau)
8996	8387	326.	343	17.	105.2	0.6	332.	347	15.	104.5	0.5	658.	690	32.	104.9	00500082	520M Sth of ERP 77/3.70, Waiotapu
10192	8565	571.	517	-54.	90.5	1.6	526.	473	-53.	89.9	1.7	1097.	990	-107.	90.2	01N00620	Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	763.	588	-175.	77.1	4.7	690.	578	-112.	83.8	3.1	1453.	1166	-287.	80.2	02400001	120m East of Tower Road RAB
9264	9924	311.	429	118.	137.9	4.3	279.	468	189.	167.7	7.0	590.	897	307.	152.0	02600022	855m West of Piako Road (Motumaoho)
10167	8179	143.	169	26.	118.2	1.5	143.	190	47.	132.9	2.6	286.	359	73.	125.5	02600055	515m Nth of Patuwahao Stream Bridge
8458	9591	533.	368	-165.	69.0	5.5	570.	349	-221.	61.2	7.3	1103.	717	-386.	65.0	02700065	200m sth of Matamata Airport Entrance
9573	9842	274.	227	-47.	82.8	2.1	309.	203	-106.	65.7	4.7	583.	430	-153.	73.8	02700083	320m past SH29
9126	9119	145.	141	-4.	97.2	0.2	141.	156	15.	110.6	0.9	286.	297	11.	103.8	02800000	163m past SH1 (Putaruru)
9655	9515	205.	168	-37.	82.0	1.9	201.	159	-42.	79.1	2.2	406.	327	-79.	80.5	02800009	245m past SH5 (Whites Road)
9544	8486	259.	180	-79.	69.5	3.7	258.	203	-55.	78.7	2.6	517.	383	-134.	74.1	02900057	450m East of McNab Road
9854	9873	333.	244	-89.	73.3	3.7	368.	283	-85.	76.9	3.4	701.	527	-174.	75.2	02900069	200m sth of Totman Road
9550	9831	55.	33	-22.	60.0	2.4	48.	35	-13.	72.9	1.5	103.	68	-35.	66.0	03000035	918m past Manaiti St (Bennydale)
8527	8528	145.	142	-3.	97.9	0.1	146.	132	-14.	90.4	0.8	291.	274	-17.	94.2	03000110	133m past SH
4051	8384	271.	249	-22.	91.9	1.0	286.	252	-34.	88.1	1.5	557.	501	-56.	89.9	03000141	155m before Gun Club Rd
3506	8271	41.	53	12.	129.3	1.3	44.	51	7.	115.9	0.6	85.	104	19.	122.4	03100022	500m West of Ngutunui Rd
8992	8424	79.	66	-13.	83.5	1.0	105.	67	-38.	63.8	2.9	184.	133	-51.	72.3	03200028	230m before Whakamaru Dam
9689	9691	No	Forward Link Present .				914.	745	-169.	81.5	4.2	914.	745	-169.	81.5	01N00509	685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	952.	894	-58.	93.9	1.3	No	Back Link Present .				952.	894	-58.	93.9	01N00509	685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	6570.	6457.	13027.
VOLUME	5913.	5816.	11729.
CHANGE	-657.	-641.	-1298.
%	90.	90.	90.
CORREL.			
COEFF.	0.957	0.904	0.908
%RMS	23.80	31.52	27.17
r^2	0.916	0.816	0.825
GEH	5.9	5.8	8.2
GEH <5	<7	<10	<12
#	34	38	40
%	85.0	95.0	100.0

Cordon Number : 9
 Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	5645	206.	175	-31.	85.0	1.6	212.	242	30.	114.2	1.4	418.	417	-1.	99.8	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	321.	321	0.	100.0	0.0	371.	264	-107.	71.2	4.2	692.	585	-107.	84.5	Te Kowhai Rd East of Tasman Rd 166
3476	4904	820.	1095	275.	133.5	6.3	449.	1050	601.	233.9	15.6	1269.	2145	876.	169.0	Forest lake Rd railway underpass 63/64
3456	4721	1132.	1274	142.	112.5	2.9	992.	1591	599.	160.4	11.8	2124.	2865	741.	134.9	Norton Rd at railway 718 11 May
8889	6664	1053.	1132	79.	107.5	1.7	960.	1026	66.	106.9	1.5	2013.	2158	145.	107.2	Hall St overpass
5199	2654	1033.	728	-305.	70.5	7.2	1136.	742	-394.	65.3	9.1	2169.	1470	-699.	67.8	Killarney Rd Railway crossing 1419-Nov
3175	4709	1837.	1772	-65.	96.5	1.1	1186.	1875	689.	158.1	12.4	3023.	3647	624.	120.6	01N00552 120m east of Railway Crossing
3168	4788	103.	204	101.	198.1	5.8	130.	214	84.	164.6	4.5	233.	418	185.	179.4	Collins Rd railway crossing 149

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	6505.	5436.	11941.
VOLUME	6701.	7004.	13705.
CHANGE	196.	1568.	1764.
%	103.	129.	115.
CORREL.			
COEFF.	0.956	0.794	0.907
%RMS	21.32	65.19	38.08
r^2	0.915	0.630	0.822
GEH	1.7	14.1	11.0
GEH <5	<7	<10	<12
#	9	11	13
%	56.2	68.8	81.2
			87.5
			12.5

Cordon Number : 10
 Description : *screenline 10 Hamilton Bridges

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4907	3606	1572.	1562	-10.	99.4	0.2	1486.	1521	35.	102.4	0.6	3058.	3083	25.	100.8	Fairfield Rd Bridge WBD
3453	9823	648.	690	42.	106.5	1.1	867.	797	-70.	91.9	1.7	1515.	1487	-28.	98.2	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	1762.	1826	64.	103.6	1.1	1346.	1485	139.	110.3	2.6	3108.	3311	203.	106.5	*Bridge St Anglesea to Victoria 109
3509	3670	2198.	2023	-175.	92.0	2.7	2112.	2125	13.	100.6	0.2	4310.	4148	-162.	96.2	Cobham Drive Bridge RSI 18 SBD

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

TOTALS FORWARD BACK TOTALS

COUNT	6180.	5811.	11991.
VOLUME	6101.	5928.	12029.
CHANGE	-79.	117.	38.
%	99.	102.	100.

CORREL.

COEFF.	0.990	0.988	0.991
%RMS	7.15	6.36	5.05
r^2	0.981	0.977	0.983
GEH	0.7	1.1	0.2

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

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4111	10565	418.	475	57.	113.6	1.9	414.	485	71.	117.1	2.3	832.	960	128.	115.4	02600002 875m West of Lisette Road
7024	7788	117.	215	98.	183.8	5.4	110.	201	91.	182.7	5.1	227.	416	189.	183.3	Powells Rd btw Alderson&Raymond S309
10696	10598	283.	329	46.	116.3	1.9	307.	363	56.	118.2	2.2	590.	692	102.	117.3	Puketaha Rd
3921	3920	280.	407	127.	145.4	4.8	326.	370	44.	113.5	1.7	606.	777	171.	128.2	Ruakura Rd East of Silverdale 155
7789	8078	63.	122	59.	193.7	4.4	79.	150	71.	189.9	4.8	142.	272	130.	191.5	Fairview St btw Wattle&Radiata S307

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

TOTALS FORWARD BACK TOTALS

COUNT	1161.	1236.	2397.
VOLUME	1548.	1569.	3117.
CHANGE	387.	333.	720.
%	133.	127.	130.

CORREL.

COEFF.	0.972	0.994	0.993
%RMS	40.04	30.96	34.38
r^2	0.944	0.988	0.986
GEH	7.5	6.3	9.7

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

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3938	7174	614.	615	1.	100.2	0.0	581.	538	-43.	92.6	1.3	1195.	1153	-42.	96.5	Pukete Rd btw Cullimore&Wairere 255
3503	2767	799.	886	87.	110.9	2.1	608.	307	-301.	50.5	10.0	1407.	1193	-214.	84.8	Resolution Dr Nth of Wairere Dr 188
3557	3558	1339.	1664	325.	124.3	5.9	1078.	1329	251.	123.3	5.1	2417.	2993	576.	123.8	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	724.	779	55.	107.6	1.4	727.	785	58.	108.0	1.5	1451.	1564	113.	107.8	Gordonton Rd btw Crosby&Greenhill
5510	2822	106.	187	81.	176.4	4.7	119.	166	47.	139.5	2.8	225.	353	128.	156.9	Holland Rd btw Ruakura&SH1B
5485	2822	199.	159	-40.	79.9	2.1	243.	164	-79.	67.5	3.9	442.	323	-119.	73.1	01B00024 100m past Holland Road Intersection
5195	6838	112.	132	20.	117.9	1.3	140.	157	17.	112.1	0.9	252.	289	37.	114.7	Totara Dr - Nth Delamare Rd S325
4745	4746	45.	49	4.	108.9	0.4	47.	49	2.	104.3	0.2	92.	98	6.	106.5	Delamare Rd - North Wairere Dr

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	3938.	3543.	7481.
VOLUME	4471.	3495.	7966.
CHANGE	533.	-48.	485.
%	114.	99.	106.
CORREL.			
COEFF.	0.992	0.940	0.979
%RMS	27.12	34.93	26.32
r^2	0.984	0.884	0.957
GEH	5.8	0.6	3.9
GEH <5	<7	<10	<12
#	13	15	16
%	81.2	93.8	100.0

Cordon Number : 13
 Description : *screenline 13 - South HCC

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3339	3735	464.	527	63.	113.6	2.0	496.	558	62.	112.5	1.9	960.	1085	125.	113.0	Tuhikaramea Rd by speed limit sigh 752
4761	5535	1724.	1957	233.	113.5	3.8	1570.	1420	-150.	90.4	2.7	3294.	3377	83.	102.5	Ohaupo Rd north of Normandy Ave
4847	8214	952.	1173	221.	123.2	4.8	1019.	1819	800.	178.5	15.0	1971.	2992	1021.	151.8	Normandy Ave north of Bader St
3587	4157	1956.	1920	-36.	98.2	0.6	1834.	1892	58.	103.2	1.0	3790.	3812	22.	100.6	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	240.	324	84.	135.0	3.5	244.	293	49.	120.1	2.1	484.	617	133.	127.5	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	5336.	5163.	10499.
VOLUME	5901.	5982.	11883.
CHANGE	565.	819.	1384.
%	111.	116.	113.
CORREL.			
COEFF.	0.989	0.868	0.957
%RMS	15.92	39.70	24.78
r^2	0.978	0.753	0.917
GEH	5.3	7.8	9.3
GEH <5	<7	<10	<12
#	9	9	9
%	90.0	90.0	90.0

Cordon Number : 14

Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4449	4470	402.	416	14.	103.5	0.5	471.	442	-29.	93.8	0.9	873.	858	-15.	98.3	Victoria Road (Taylor/Hautapu)
5929	8294	227.	128	-99.	56.4	5.2	295.	142	-153.	48.1	7.3	522.	270	-252.	51.7	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	1078.	1128	50.	104.6	1.1	1075.	1072	-3.	99.7	0.0	2153.	2200	47.	102.2	01N00563 - SH1N 120m soth of Pickering Road

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS		
COUNT	1707.	1841.	3548.		
VOLUME	1672.	1656.	3328.		
CHANGE	-35.	-185.	-220.		
%	98.	90.	94.		
CORREL.					
COEFF.	0.996	0.995	0.995		
%RMS	13.89	17.95	15.35		
r^2	0.992	0.989	0.991		
GEH	0.6	3.1	2.7		
GEH	<5	<7	<10	<12	>12
#	4	5	6	6	0
%	66.7	83.3	100.0	100.0	0.0

Cordon Number : 15

Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4554	4553	852.	915	63.	107.4	1.5	876.	926	50.	105.7	1.2	1728.	1841	113.	106.5	00300012 1510 past SH21 Airport Road
6075	10261	272.	228	-44.	83.8	2.0	368.	241	-127.	65.5	5.2	640.	469	-171.	73.3	18000m Cambridge Rd Rural
9402	5417	550.	545	-5.	99.1	0.2	538.	543	5.	100.9	0.1	1088.	1088	0.	100.0	Alexandra Street 186
2732	4872	945.	888	-57.	94.0	1.3	982.	955	-27.	97.3	0.6	1927.	1843	-84.	95.6	00300029 350m Nth of Saint Ledger Road

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	2619.	2764.	5383.		
VOLUME	2576.	2665.	5241.		
CHANGE	-43.	-99.	-142.		
%	98.	96.	97.		
CORREL.					
COEFF.	0.987	0.986	0.988		
%RMS	8.45	11.63	9.50		
r^2	0.974	0.971	0.976		
GEH	0.6	1.4	1.4		
GEH	<5	<7	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 16
 Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
12430	12431	2064.	2210	146.	107.1	2.2	No Back Link Present .					2064.	2210	146.	107.1	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72
12388	12387	No Forward Link Present .					2016.	2039	23.	101.1	0.3	2016.	2039	23.	101.1	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	1196.	1359	163.	113.6	3.2	1195.	1268	73.	106.1	1.5	2391.	2627	236.	109.9	SH2 Interchange NB SB
11582	8693	846.	561	-285.	66.3	7.6	790.	616	-174.	78.0	4.6	1636.	1177	-459.	71.9	00200002 Maungatawhiri - Telemetry Site 74 West of Grahams Bridge

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	4106.	4001.	8107.
VOLUME	4130.	3923.	8053.
CHANGE	24.	-78.	-54.
%	101.	98.	99.
CORREL.			
COEFF.	0.975	0.989	0.985
%RMS	18.56	10.08	15.29
r^2	0.951	0.979	0.971
GEH	0.3	0.9	0.4
GEH <5	<7	<10	<12
#	5	5	6
%	83.3	83.3	100.0

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

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
8666	8698	506.	488	-18.	96.4	0.6	579.	525	-54.	90.7	1.6	1085.	1013	-72.	93.4	00200106 500m East of Athenree Road (Tauranga Side)
9145	3918	538.	472	-66.	87.7	2.1	546.	539	-7.	98.7	0.2	1084.	1011	-73.	93.3	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	334.	218	-116.	65.3	4.9	324.	236	-88.	72.8	3.7	658.	454	-204.	69.0	00500034 - SH5 sth of Maraeroa Rotorua
4051	8384	271.	249	-22.	91.9	1.0	286.	252	-34.	88.1	1.5	557.	501	-56.	89.9	03000141 155m before Gun Club Road
8996	8387	326.	343	17.	105.2	0.6	332.	347	15.	104.5	0.5	658.	690	32.	104.9	00500082 520m sth of ERP 7713.70 Waiotapu

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	1975.	2067.	4042.
VOLUME	1770.	1899.	3669.
CHANGE	-205.	-168.	-373.
%	90.	92.	91.
CORREL.			
COEFF.	0.912	0.961	0.950
%RMS	17.41	13.30	14.67
r^2	0.832	0.924	0.902
GEH	3.3	2.7	4.3
GEH <5	<7	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 18
 Description : *screenline 18 North Waikato Lateral

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
10167	8179	143.	169	26.	118.2	1.5	143.	190	47.	132.9	2.6	286.	359	73.	125.5	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	15.	15	0.	100.0	0.0	16.	16	0.	100.0	0.0	31.	31	0.	100.0	Taniwha Rd nth of Waiterimu Rd
8449	9737	251.	148	-103.	59.0	5.1	252.	160	-92.	63.5	4.5	503.	308	-195.	61.2	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					914.	745	-169.	81.5	4.2	914.	745	-169.	81.5	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	952.	894	-58.	93.9	1.3	No Back Link Present .					952.	894	-58.	93.9	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS		
COUNT	1361.	1325.	2686.		
VOLUME	1226.	1111.	2337.		
CHANGE	-135.	-214.	-349.		
%	90.	84.	87.		
CORREL.					
COEFF.	0.991	0.989	0.963		
%RMS	20.54	34.52	25.54		
r^2	0.983	0.977	0.927		
GEH	2.6	4.3	4.9		
GEH	<5	<7	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 19
 Description : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
8854	8642	170.	81	-89.	47.6	5.7	212.	148	-64.	69.8	3.4	382.	229	-153.	59.9	02500177 Swampy Stream Bridge
3599	8832	287.	265	-22.	92.3	0.9	325.	310	-15.	95.4	0.6	612.	575	-37.	94.0	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	457.	537.	994.		
VOLUME	346.	458.	804.		
CHANGE	-111.	-79.	-190.		
%	76.	85.	81.		
CORREL.					
COEFF.	1.000	1.000	1.000		
%RMS	40.12	24.48	31.67		
r^2	1.000	1.000	1.000		
GEH	3.9	2.5	4.5		
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 : *screenline 20 - Southern Links

		FORWARD					BACK					TOTAL				
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4773	4566	22.	53	31.	240.9	3.5	27.	51	24.	188.9	2.8	49.	104	55.	212.2	Gillard Rd South Fletcher Road
2917	3157	1039.	1057	18.	101.7	0.4	1012.	1114	102.	110.1	2.2	2051.	2171	120.	105.9	00300003 - 285m sth of Dixons Road
2645	3726	1.	6	5.	600.0	2.4	32.	7	-25.	21.9	4.2	33.	13	-20.	39.4	Peacockes Rd North Stubbs Rd
4134	4926	120.	158	38.	131.7	2.3	138.	175	37.	126.8	2.0	258.	333	75.	129.1	Newell Rd
2786	3907	1646.	1658	12.	100.7	0.2	1525.	1606	81.	105.3	1.5	3171.	3264	93.	102.9	01N00559 - 355m past Cherry Lane (Tamahere Motels)

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

TOTALS	FORWARD	BACK	TOTALS	
COUNT	2828.	2734.	5562.	
VOLUME	2932.	2953.	5885.	
CHANGE	104.	219.	323.	
%	104.	108.	106.	
CORREL.				
COEFF.	1.000	0.999	1.000	
%RMS	4.76	12.78	8.05	
r^2	1.000	0.998	0.999	
GEH	1.4	2.9	3.0	
GEH <5	<7	<10	<12	>12
#	10	10	10	0
%	100.0	100.0	100.0	0.0

Cordon Number : 21
 Description : *Removed Counts

		FORWARD					BACK					TOTAL					
NODE1	NODE2	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
3514	5874	2568.	2438	-130.	94.9	1.8	2604.	2032	-572.	78.0	8.4	5172.	4470	-702.	86.4	01N00546 North of Avalon/Te Rapa	July 2012 Count
7706	3483	1399.	1363	-36.	97.4	0.7	1390.	1341	-49.	96.5	1.0	2789.	2704	-85.	97.0	Avalon Drive overbridge	June 2014 count
3652	8293	1761.	2708	947.	153.8	14.2	1871.	2493	622.	133.2	9.4	3632.	5201	1569.	143.2	*Wairere Dr Bridge RSI 13 WBD	Te Rapa Bypass and Wairere Dr signal

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS	
COUNT	5728.	5865.	11593.	
VOLUME	6509.	5866.	12375.	
CHANGE	781.	1.	782.	
%	114.	100.	107.	
CORREL.				
COEFF.	0.597	0.496	0.557	
%RMS	35.43	30.62	31.49	
r^2	0.357	0.246	0.311	
GEH	7.1	0.0	5.1	
GEH <5	<7	<10	<12	>12
#	3	3	5	5
%	50.0	50.0	83.3	83.3

Cordon Number : 22
 Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				GEH	BACK				TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE		%
5765	5497	1179.	1094	-85.	92.8	1.8	1132.	1000	-132.	88.3	2.9	2311.	2094	-217.	90.6	*Ngaruawahia Bridge
4907	3606	1572.	1562	-10.	99.4	0.2	1486.	1521	35.	102.4	0.6	3058.	3083	25.	100.8	Fairfield Rd Bridge WBD
3453	9823	648.	690	42.	106.5	1.1	867.	797	-70.	91.9	1.7	1515.	1487	-28.	98.2	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	1762.	1826	64.	103.6	1.1	1346.	1485	139.	110.3	2.6	3108.	3311	203.	106.5	*Bridge St Anglesea to Victoria 109
3670	3509	2198.	2125	-73.	96.7	1.1	2112.	2023	-89.	95.8	1.4	4310.	4148	-162.	96.2	Cobham Dr Bridge RSI 18 SBD
6307	10685	243.	400	157.	164.6	6.2	280.	411	131.	146.8	4.9	523.	811	288.	155.1	Airport Rd - 02100004 Sth of Lochiel Rd
6432	6550	923.	802	-121.	86.9	2.9	1127.	967	-160.	85.8	3.5	2050.	1769	-281.	86.3	*Victoria St (Cambridge) - Alpha to Duke
10228	6171	520.	538	18.	103.5	0.6	483.	574	91.	118.8	2.8	1003.	1112	109.	110.9	*Shakespeare Bridge (Cambridge)
8402	4408	1424.	1292	-132.	90.7	2.5	1447.	1460	13.	100.9	0.3	2871.	2752	-119.	95.9	01N00702 Control Gates Bridge (Taupo)
2607	9841	136.	124	-12.	91.2	0.7	128.	118	-10.	92.2	0.6	264.	242	-22.	91.7	Maungatautari Road - North of Hydro Road
8992	8424	79.	66	-13.	83.5	1.0	105.	67	-38.	63.8	2.9	184.	133	-51.	72.3	03200028 230m before Whakamaru Dam
8958	8929	287.	199	-88.	69.3	4.0	333.	323	-10.	97.0	0.4	620.	522	-98.	84.2	SH1 - south of SH30
2732	4872	945.	888	-57.	94.0	1.3	982.	955	-27.	97.3	0.6	1927.	1843	-84.	95.6	00300029- 350m Nth of Saint Ledger Rd
8270	9936	204.	200	-4.	98.0	0.2	185.	208	23.	112.4	1.2	389.	408	19.	104.9	03900052 - SH39 sth of Hanning Piongia
3507	8267	208.	287	79.	138.0	3.5	219.	269	50.	122.8	2.3	427.	556	129.	130.2	02300037 - SH23 90m East of Wrights Road
9789	10323	1297.	1175	-122.	90.6	2.5	1243.	1340	97.	107.8	1.9	2540.	2515	-25.	99.0	SH1 sth of Tregoweth Huntly
9593	10779	68.	44	-24.	64.7	2.3	61.	55	-6.	90.2	0.6	129.	99	-30.	76.7	Waingaro Road
2854	2853	140.	128	-12.	91.4	0.7	138.	116	-22.	84.1	1.4	278.	244	-34.	87.8	Hakarimata Rd
9968	9944	60.	42	-18.	70.0	1.8	55.	46	-9.	83.6	0.8	115.	88	-27.	76.5	Orini Rd
9913	9915	147.	196	49.	133.3	2.7	111.	198	87.	178.4	5.0	258.	394	136.	152.7	Whitikahu Rd
10786	5650	48.	167	119.	347.9	8.1	36.	154	118.	427.8	8.6	84.	321	237.	382.1	Scotsman Valley Rd
10707	9924	598.	553	-45.	92.5	1.4	641.	569	-72.	88.8	2.1	1239.	1122	-117.	90.6	Piako Road
4808	10272	962.	639	-323.	66.4	8.1	1016.	571	-445.	56.2	11.2	1978.	1210	-768.	61.2	01N00580
4817	4877	110.	146	36.	132.7	2.2	94.	146	52.	155.3	3.4	204.	292	88.	143.1	Golf Road - West Flat Road
8438	10243	169.	190	21.	112.4	1.2	147.	205	58.	139.5	3.1	316.	395	79.	125.0	Pokuru Road
9110	10206	334.	218	-116.	65.3	4.9	324.	236	-88.	72.8	3.7	658.	454	-204.	69.0	SH5 - sth of Maraeroa Rd Rotorua
8384	4051	286.	252	-34.	88.1	1.5	271.	249	-22.	91.9	1.0	557.	501	-56.	89.9	03000141 - 155m before Gun Club Road
8274	8518	254.	213	-41.	83.9	1.9	240.	222	-18.	92.5	0.8	494.	435	-59.	88.1	SH1 sth of Taupahi Turangi
9962	10693	74.	61	-13.	82.4	1.2	77.	70	-7.	90.9	0.5	151.	131	-20.	86.8	Tahunu Rd east of Rutherford Rd
9958	9948	16.	15	-1.	93.8	0.4	15.	16	1.	106.7	0.4	31.	31	0.	100.0	Taniwha Rd nth of Waiterimu Rd
8549	4246	194.	325	131.	167.5	5.7	249.	346	97.	139.0	4.0	443.	671	228.	151.5	00500138 278m past crown road (Taupo)
8552	8792	291.	191	-100.	65.6	4.6	274.	209	-65.	76.3	3.0	565.	400	-165.	70.8	00500125 98m before SH1 (Wairakei)
8779	8959	48.	38	-10.	79.2	1.1	39.	40	1.	102.6	0.2	87.	78	-9.	89.7	04100029 50m East of Moerangi Road
8522	8273	98.	38	-60.	38.8	5.1	69.	43	-26.	62.3	2.5	167.	81	-86.	48.5	04700046 242m before SH41
8449	9737	251.	148	-103.	59.0	5.1	252.	160	-92.	63.5	4.5	503.	308	-195.	61.2	02700011 Kaihere - Telemetry Site 33
8179	10167	143.	190	47.	132.9	2.6	143.	169	26.	118.2	1.5	286.	359	73.	125.5	02600055 515m nth of Patuwhao Stream Bridge
8666	8698	506.	488	-18.	96.4	0.6	579.	525	-54.	90.7	1.6	1085.	1013	-72.	93.4	00200106 500m East of Athenree Road (Tauranga Side)
3918	9145	538.	539	1.	100.2	0.0	546.	472	-74.	86.4	2.3	1084.	1011	-73.	93.3	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	332.	343	11.	103.3	0.4	326.	347	21.	106.4	0.8	658.	690	32.	104.9	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	48.	33	-15.	68.8	1.8	55.	35	-20.	63.6	2.1	103.	68	-35.	66.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	558.	515	-43.	92.3	1.3	503.	500	-3.	99.4	0.1	1061.	1015	-46.	95.7	00300066 800m past SH 37 (Waitomo Road)
3506	8271	41.	53	12.	129.3	1.3	44.	51	7.	115.9	0.6	85.	104	19.	122.4	03100022 500m west of Ngutunui Road
5452	10678	303.	380	77.	125.4	3.0	325.	401	76.	123.4	2.8	628.	781	153.	124.4	02600009 700m east of Platt Rd
5614	5613	215.	102	-113.	47.4	6.3	176.	101	-75.	57.4	4.6	391.	203	-188.	51.9	01B00015 500m past Gordonton Rd/Taylor
2822	5485	243.	164	-79.	67.5	3.9	199.	159	-40.	79.9	2.1	442.	323	-119.	73.1	01B00024 100m past Holland Rd Intersection
4799	4800	1029.	875	-154.	85.0	3.5	1010.	983	-27.	97.3	0.6	2039.	1858	-181.	91.1	01N00529 100m sth of Hopu Hopu Rail Bridge
5690	5849	1075.	1072	-3.	99.7	0.0	1078.	1128	50.	104.6	1.1	2153.	2200	47.	102.2	01N00563 120m sth of Pickering Rd
10565	4111	414.	485	71.	117.1	2.3	418.	475	57.	113.6	1.9	832.	960	128.	115.4	02600002 875m west of Lissette Rd
8830	8305	274.	225	-49.	82.1	2.2	315.	237	-78.	75.2	3.3	589.	462	-127.	78.4	00200052 650m past Orchard Rd
8873	3384	360.	326	-34.	90.6	1.3	357.	344	-13.	96.4	0.5	717.	670	-47.	93.4	00200066 986m past of Awaiti Rd
8720	8320	540.	402	-138.	74.4	4.5	528.	459	-69.	86.9	2.2	1068.	861	-207.	80.6	00200091 Waihi - Telemetry Site 34 - E
8306	8739	269.	202	-67.	75.1	3.0	352.	301	-51.	85.5	2.0	621.	503	-118.	81.0	02500021 335m before Hauraki Rd
3590	3163	92.	52	-40.	56.5	3.3	121.	79	-42.	65.3	3.0	213.	131	-82.	61.5	02500098 12m before 1st Abut Oritonui
8871	9162	210.	221	11.	105.2	0.5	188.	171	-17.	91.0	1.0	398.	392	-6.	98.5	02500240 nth of Gladestone Rd
8872	2948	206.	170	-36.	82.5	1.9	203.	182	-21.	89.7	1.0	409.	352	-57.	86.1	02600075 380m past Komata River Bridge
13646	13522	1201.	1233	32.	102.7	0.6	1004.	1335	331.	133.0	6.8	2205.	2568	363.	116.5	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road
8309	8855	145.	51	-94.	35.2	6.7	169.	119	-50.	70.4	3.0	314.	170	-144.	54.1	25A00024 Hkuae - Telemetry Site 76
9719	9559	541.	531	-10.	98.2	0.3	576.	418	-158.	72.6	5.0	1117.	949	-168.	85.0	00200033 By RS peg 32/1

3613	8728	1095.	1308	213.	119.5	4.4	1115.	1271	156.	114.0	3.2	2210.	2579	369.	116.7	00200141	near Tga RSI Site 23
3925	9138	184.	294	110.	159.8	5.0	154.	181	27.	117.5	1.4	338.	475	137.	140.5	03600012	760m sth of Williams Rd
10796	10798	823.	860	37.	104.5	0.9	851.	926	75.	108.8	1.8	1674.	1786	112.	106.7	00200187	Near Tga RSI Site 21
8529	10727	42.	26	-16.	61.9	1.9	45.	24	-21.	53.3	2.4	87.	50	-37.	57.5	03200074	west of Taupo - Telemetry Site
8578	4558	343.	168	-175.	49.0	7.7	351.	164	-187.	46.7	8.2	694.	332	-362.	47.8	01N00729	Halletts Bay - Telemetry Site
4352	8740	943.	865	-78.	91.7	1.8	759.	820	61.	108.0	1.6	1702.	1685	-17.	99.0	01N00705	100m nth of SH5 (East to Napi
8740	8932	764.	703	-61.	92.0	1.6	689.	670	-19.	97.2	0.5	1453.	1373	-80.	94.5	01N00706	300m Sth of SH5
8635	8755	349.	288	-61.	82.5	2.4	366.	329	-37.	89.9	1.4	715.	617	-98.	86.3	01N00700	at RS peg 606/5.07
10776	9521	389.	544	155.	139.8	5.1	427.	507	80.	118.7	2.6	816.	1051	235.	128.8	00300038	335m nth of Wharepuhanga Road
10193	8493	179.	80	-99.	44.7	6.1	205.	81	-124.	39.5	7.4	384.	161	-223.	41.9	00500000	217m past SH1 (Tirau)
8565	10192	526.	473	-53.	89.9	1.7	571.	517	-54.	90.5	1.6	1097.	990	-107.	90.2	01N00620	Lichfield Telemetry Site 21 sth of Baldwin Rd
10169	10158	690.	578	-112.	83.8	3.1	763.	588	-175.	77.1	4.7	1453.	1166	-287.	80.2	02400001	120m East of Tower Road RAB
9924	9264	279.	468	189.	167.7	7.0	311.	429	118.	137.9	4.3	590.	897	307.	152.0	02600022	855m West of Piako Road (Motumaoho)
8458	9591	570.	368	-202.	64.6	6.6	533.	349	-184.	65.5	6.2	1103.	717	-386.	65.0	02700065	200m sth of Matamata Airport Entrance
9842	9573	309.	203	-106.	65.7	4.7	274.	227	-47.	82.8	2.1	583.	430	-153.	73.8	02700083	320m past SH29
9126	9119	145.	141	-4.	97.2	0.2	141.	156	15.	110.6	0.9	286.	297	11.	103.8	02800000	163m past SH1 (Putaruru)
9515	9655	201.	159	-42.	79.1	2.2	205.	168	-37.	82.0	1.9	406.	327	-79.	80.5	02800009	245m past SH5 (Whites Road)
9544	8486	259.	180	-79.	69.5	3.7	258.	203	-55.	78.7	2.6	517.	383	-134.	74.1	02900057	450m East of McNab Road
9873	9854	368.	283	-85.	76.9	3.4	333.	244	-89.	73.3	3.7	701.	527	-174.	75.2	02900069	200m sth of Totman Road
8527	8528	145.	142	-3.	97.9	0.1	146.	132	-14.	90.4	0.8	291.	274	-17.	94.2	03000110	133m past SH
9689	9691	No Forward Link Present .					914.	745	-169.	81.5	4.2	914.	745	-169.	81.5	01N00509	685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	952.	894	-58.	93.9	1.3	No Back Link Present .					952.	894	-58.	93.9	01N00509	685m sth of Tahuna Overbridge Rangiriri NB
7164	5645	206.	175	-31.	85.0	1.6	212.	242	30.	114.2	1.4	418.	417	-1.	99.8	Ruffell Rd Nth of Te Kowhai Rd 176	
3287	3512	321.	321	0.	100.0	0.0	371.	264	-107.	71.2	4.2	692.	585	-107.	84.5	Te Kowhai Rd East of Tasman Rd 166	
3476	4904	820.	1095	275.	133.5	6.3	449.	1050	601.	233.9	15.6	1269.	2145	876.	169.0	Forest lake Rd railway underpass 63/64	
3456	4721	1132.	1274	142.	112.5	2.9	992.	1591	599.	160.4	11.8	2124.	2865	741.	134.9	Norton Rd at railway 718 11 May	
8889	6664	1053.	1132	79.	107.5	1.7	960.	1026	66.	106.9	1.5	2013.	2158	145.	107.2	Hall St overpass	
5199	2654	1033.	728	-305.	70.5	7.2	1136.	742	-394.	65.3	9.1	2169.	1470	-699.	67.8	Killarney Rd Railway crossing 1419-Nov	
3175	4709	1837.	1772	-65.	96.5	1.1	1186.	1875	689.	158.1	12.4	3023.	3647	624.	120.6	01N00552	120m east of Railway Crossing
3168	4788	103.	204	101.	198.1	5.8	130.	214	84.	164.6	4.5	233.	418	185.	179.4	Collins Rd railway crossing 149	
7024	7788	117.	215	98.	183.8	5.4	110.	201	91.	182.7	5.1	227.	416	189.	183.3	Powells Rd btw Alderson&Raymond S309	
10696	10598	283.	329	46.	116.3	1.9	307.	363	56.	118.2	2.2	590.	692	102.	117.3	Puketaha Rd	
3921	3920	280.	407	127.	145.4	4.8	326.	370	44.	113.5	1.7	606.	777	171.	128.2	Ruakura Rd East of Silverdale 155	
8078	7789	79.	150	71.	189.9	4.8	63.	122	59.	193.7	4.4	142.	272	130.	191.5	Fairview St btw Wattle&Radiata S307	
7174	3938	581.	538	-43.	92.6	1.3	614.	615	1.	100.2	0.0	1195.	1153	-42.	96.5	Pukete Rd btw Cullimore&Wairere 255	
3503	2767	799.	886	87.	110.9	2.1	608.	307	-301.	50.5	10.0	1407.	1193	-214.	84.8	Resolution Dr Nth of Wairere Dr 188	
3557	3558	1339.	1664	325.	124.3	5.9	1078.	1329	251.	123.3	5.1	2417.	2993	576.	123.8	Hukanui Rd Nth of Wairere Dr 264/416	
4978	3932	727.	785	58.	108.0	1.5	724.	779	55.	107.6	1.4	1451.	1564	113.	107.8	Gordonton Rd btw Crosby&Greenhill	
2822	5510	119.	166	47.	139.5	2.8	106.	187	81.	176.4	4.7	225.	353	128.	156.9	Holland Rd btw Ruakura&SH1B	
6838	5195	140.	157	17.	112.1	0.9	112.	132	20.	117.9	1.3	252.	289	37.	114.7	Totara Dr - Nth Delamare Rd S325	
4746	4745	47.	49	2.	104.3	0.2	45.	49	4.	108.9	0.4	92.	98	6.	106.5	Delamare Rd - North Wairere Dr	
3735	3339	496.	558	62.	112.5	1.9	464.	527	63.	113.6	2.0	960.	1085	125.	113.0	Tuhikaramea Rd by speed limit sign 752	
5535	4761	1570.	1420	-150.	90.4	2.7	1724.	1957	233.	113.5	3.8	3294.	3377	83.	102.5	Ohaupo Rd north of Normandy Ave	
8214	4847	1019.	1819	800.	178.5	15.0	952.	1173	221.	123.2	4.8	1971.	2992	1021.	151.8	Normandy Ave north of Bader St	
4157	3587	1956.	1892	-64.	96.7	1.0	1834.	1920	86.	104.7	1.4	3790.	3812	22.	100.6	01N10558, 01N20558	135m north of Riverlea Road
4113	2899	240.	324	84.	135.0	3.5	244.	293	49.	120.1	2.1	484.	617	133.	127.5	Matangi Rd at Bridge 151	
4470	4449	471.	442	-29.	93.8	0.9	402.	416	14.	103.5	0.5	873.	858	-15.	98.3	Victoria Road (Taylor/Hautapu)	
5929	8294	227.	128	-99.	56.4	5.2	295.	142	-153.	48.1	7.3	522.	270	-252.	51.7	Thornton Rd (Grosvenor/Bowen) 107	
4554	4553	852.	915	63.	107.4	1.5	876.	926	50.	105.7	1.2	1728.	1841	113.	106.5	00300012	1510 past SH21 Airport Road
6075	10261	272.	228	-44.	83.8	2.0	368.	241	-127.	65.5	5.2	640.	469	-171.	73.3	18000m Cambridge Rd Rural	
9402	5417	550.	545	-5.	99.1	0.2	538.	543	5.	100.9	0.1	1088.	1088	0.	100.0	Alexandra Street 186	
11582	8693	846.	561	-285.	66.3	7.6	790.	616	-174.	78.0	4.6	1636.	1177	-459.	71.9	00200002	Maungatawhiri - Telemetry Site 74 West of Grahams Bridge
12431	12430	No Forward Link Present .					2064.	2210	146.	107.1	2.2	2064.	2210	146.	107.1	01N10474 (NB) 02N20474	Bombay - Telemetry Site 72
12387	12388	2016.	2039	23.	101.1	0.3	No Back Link Present .					2016.	2039	23.	101.1	01N10474 (SB) 01N20474	Bombay - Telemetry Site 72
13603	13674	1196.	1359	163.	113.6	3.2	1195.	1268	73.	106.1	1.5	2391.	2627	236.	109.9	SH2 Interchange NB SB	
8854	8642	170.	81	-89.	47.6	5.7	212.	148	-64.	69.8	3.4	382.	229	-153.	59.9	02500177	Swampy Stream Bridge
3599	8832	287.	265	-22.	92.3	0.9	325.	310	-15.	95.4	0.6	612.	575	-37.	94.0	02500036	Speed Restriction Sign (Whakatete Bay Sth
4566	4773	27.	51	24.	188.9	2.8	22.	53	31.	240.9	3.5	49.	104	55.	212.2	Gillard Rd South Fletcher Road	
3157	2917	1039.	1114	75.	107.2	1.6	1012.	1057	45.	104.4	1.0	2051.	2171	120.	105.9	00300003	- 285m sth of Dixons Road
3726	2645	32.	7	-25.	21.9	4.2	1.	6	5.	600.0	2.4	33.	13	-20.	39.4	Peacocks Rd North Stubbs Rd	
4926	4134	138.	175	37.	126.8	2.0	120.	158	38.	131.7	2.3	258.	333	75.	129.1	Newell Rd	
2786	3907	1646.	1658	12.	100.7	0.2	1525.	1606	81.	105.3	1.5	3171.	3264	93.	102.9	01N00559	- 355m past Cherry Lane (Tamahere Motels)
3500	5456	170.	188	18.	110.6	1.0	170.	208	38.	122.4	2.0	340.	396	56.	116.5	203 Te Kowhai Road at City Boundry	
3373	4770	347.	383	36.	110.4	1.3	350.	395	45.	112.9	1.6	697.	778	81.	111.6	54 Newcastle Road - opposite Microwave Station	

7548	5566	266.	250	-16.	94.0	0.7	257.	261	4.	101.6	0.2	523.	511	-12.	97.7	152 Rotokauri Road - North of Brymer
2720	10595	31.	89	58.	287.1	5.3	30.	85	55.	283.3	5.1	61.	174	113.	285.2	S319 Exelby Road btw Kauri & Burbush
6610	6644	601.	660	59.	109.8	1.7	588.	685	97.	116.5	2.7	1189.	1345	156.	113.1	02300004 - East of Newcastle Road

Number of links = 125 Number of forward links = 123 Number of back links = 123

TOTALS	FORWARD	BACK	TOTALS		
COUNT	64092.	62097.	126189.		
VOLUME	63747.	63553.	127300.		
CHANGE	-345.	1456.	1111.		
%	99.	102.	101.		
CORREL.					
COEFF.	0.970	0.959	0.970		
%RMS	23.58	28.81	23.25		
r^2	0.942	0.919	0.942		
GEH	1.0	4.1	2.2		
GEH <5	<7	<10	<12	>12	
#	204	230	241	243	3
%	82.9	93.5	98.0	98.8	1.2

CORDON terminated successfully

Evening Peak Screenline Validation Output Files – All Vehicle

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+-----+
| 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 15:53:28 | 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 : 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 : "PMP_RTA.DAT"
 Loaded Network : "WL13B0PALLB0.NL"
 27830 Links in network

Cordon Number : 1
 Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
5765	5497	1466.	2153	687.	146.9	11.4	1262.	1202	-60.	95.2	1.2	2728.	3355	627.	123.0	*Ngaruawahia Bridge
4907	3606	1666.	1701	35.	102.1	0.6	1327.	1140	-187.	85.9	3.7	2993.	2841	-152.	94.9	Fairfield Rd Bridge WBD
3453	9823	1512.	1537	25.	101.7	0.4	905.	668	-237.	73.8	6.0	2417.	2205	-212.	91.2	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	2522.	2878	356.	114.1	4.8	1411.	1217	-194.	86.3	3.8	3933.	4095	162.	104.1	*Bridge St Anglesea to Victoria 109
3509	3670	2990.	2723	-267.	91.1	3.5	2126.	1944	-182.	91.4	2.9	5116.	4667	-449.	91.2	Cobham Dr Bridge RSI 18 SBD
10685	6307	550.	612	62.	111.3	1.8	541.	454	-87.	83.9	2.7	1091.	1066	-25.	97.7	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	1099.	944	-155.	85.9	3.4	1117.	974	-143.	87.2	3.1	2216.	1918	-298.	86.6	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	686.	518	-168.	75.5	4.8	908.	865	-43.	95.3	1.0	1594.	1383	-211.	86.8	*Shakespeare Bridge (Cambridge)
4408	8402	2293.	2122	-171.	92.5	2.6	1141.	1048	-93.	91.8	2.0	3434.	3170	-264.	92.3	01N00702 Control Gates Bridge (Taupo)
2607	9841	216.	169	-47.	78.2	2.4	208.	177	-31.	85.1	1.6	424.	346	-78.	81.6	Maungatautari Road - North of Hydro Road
8992	8424	84.	62	-22.	73.8	1.8	92.	149	57.	162.0	3.6	176.	211	35.	119.9	03200028 230m before Whakamaru Dam
8929	8958	340.	294	-46.	86.5	1.8	344.	249	-95.	72.4	3.9	684.	543	-141.	79.4	SH1 - south of SH30

Number of links = 12 Number of forward links = 12 Number of back links = 12

TOTALS	FORWARD	BACK	TOTALS
COUNT	15424.	11382.	26806.
VOLUME	15713.	10087.	25800.
CHANGE	289.	-1295.	-1006.
%	102.	89.	96.
CORREL.			
COEFF.	0.966	0.993	0.983
%RMS	20.48	14.82	12.95
r^2	0.933	0.986	0.967
GEH	1.6	8.8	4.4
GEH <5	<7	<10	<12
#	22	23	24
%	91.7	95.8	100.0
			0.0

Cordon Number : 2
 Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
2732	4872	919.	943	24.	102.6	0.6	1450.	1402	-48.	96.7	0.9	2369.	2345	-24.	99.0	00300029- 350m Nth of Saint Ledger Rd
9936	8270	230.	290	60.	126.1	2.6	208.	295	87.	141.8	3.8	438.	585	147.	133.6	03900052 - SH39 sth of Hanning Piongia
3507	8267	210.	284	74.	135.2	3.3	460.	483	23.	105.0	0.7	670.	767	97.	114.5	02300037 - SH23 90m East of Wrights Road
10323	9789	2128.	2408	280.	113.2	4.2	1691.	1585	-106.	93.7	1.9	3819.	3993	174.	104.6	SH1 sth of Tregoweth Huntly
9593	10779	54.	63	9.	116.7	0.7	149.	94	-55.	63.1	3.5	203.	157	-46.	77.3	Waingaro Road
2854	2853	270.	282	12.	104.4	0.5	217.	140	-77.	64.5	4.0	487.	422	-65.	86.7	Hakarimata Rd
9968	9944	85.	56	-29.	65.9	2.4	71.	53	-18.	74.6	1.6	156.	109	-47.	69.9	Orini Rd
9913	9915	249.	323	74.	129.7	3.1	171.	248	77.	145.0	3.8	420.	571	151.	136.0	Whitikahu Rd
5650	10786	108.	220	112.	203.7	6.2	91.	283	192.	311.0	10.0	199.	503	304.	252.8	Scotsman Valley Rd
10707	9924	896.	718	-178.	80.1	4.4	955.	908	-47.	95.1	1.1	1851.	1626	-225.	87.8	Piako Road
6597	10788	1212.	568	-644.	46.9	15.3	1213.	920	-293.	75.8	6.3	2425.	1488	-937.	61.4	01N00580
9841	2607	208.	177	-31.	85.1	1.6	216.	169	-47.	78.2	2.4	424.	346	-78.	81.6	Maungatautari Road - North of Hydro Road
4817	4877	130.	159	29.	122.3	1.6	120.	163	43.	135.8	2.5	250.	322	72.	128.8	Golf Road - West Flat Road
8438	10243	113.	243	130.	215.0	6.9	188.	276	88.	146.8	4.1	301.	519	218.	172.4	Pokuru Road

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	6812.	7200.	14012.		
VOLUME	6734.	7019.	13753.		
CHANGE	-78.	-181.	-259.		
%	99.	97.	98.		
CORREL.					
COEFF.	0.940	0.983	0.965		
%RMS	43.12	22.47	30.01		
r^2	0.883	0.967	0.932		
GEH	0.7	1.5	1.6		
GEH	<5	<7	<10	<12	>12
#	23	26	27	27	1
%	82.1	92.9	96.4	96.4	3.6

Cordon Number : 3
 Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
9110	10206	382.	220	-162.	57.6	6.6	420.	418	-2.	99.5	0.1	802.	638	-164.	79.6	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	349.	301	-48.	86.2	1.9	381.	422	41.	110.8	1.5	730.	723	-7.	99.0	03000141 - 155m before Gun Club Road
8518	8274	247.	212	-35.	85.8	1.6	173.	164	-9.	94.8	0.4	420.	376	-44.	89.5	SH1 sth of Taupahi Turangi
10323	9789	2128.	2408	280.	113.2	4.2	1691.	1585	-106.	93.7	1.9	3819.	3993	174.	104.6	SH1 sth of Tregoweth Huntly
9911	2711	54.	180	126.	333.3	8.2	149.	368	219.	247.0	9.7	203.	548	345.	270.0	Waingaro Road
2854	2853	270.	282	12.	104.4	0.5	217.	140	-77.	64.5	4.0	487.	422	-65.	86.7	Hakarimata Rd
9962	10693	142.	78	-64.	54.9	4.3	108.	94	-14.	87.0	1.0	250.	172	-78.	68.8	Tahuna Rd east of Rutherford Rd
9958	9948	19.	19	0.	100.0	0.0	21.	22	1.	104.8	0.3	40.	41	1.	102.5	Taniwha Rd nth of Waiterimu Rd
8549	4246	231.	405	174.	175.3	6.9	289.	300	11.	103.8	0.5	520.	705	185.	135.6	00500138 278m past crown road (Taupo)
8792	8552	344.	217	-127.	63.1	5.4	358.	209	-149.	58.4	6.3	702.	426	-276.	60.7	00500125 98m before SH1 (Wairakei)
8779	8959	47.	47	0.	100.0	0.0	38.	39	1.	102.6	0.0	85.	86	1.	101.2	04100029 50m East of Moerangi Road
8522	8273	124.	62	-62.	50.0	4.5	66.	53	-13.	80.3	1.3	190.	115	-75.	60.5	04700046 242m before SH41
8308	9964	248.	233	-15.	94.0	0.7	307.	136	-171.	44.3	8.1	555.	369	-186.	66.5	02700011 Kaihere - Telemetry Site 33
10167	8179	187.	276	89.	147.6	4.2	161.	220	59.	136.6	3.1	348.	496	148.	142.5	02600055 515m nth of Patuwahao Stream Bridge
9145	3918	933.	658	-275.	70.5	6.9	653.	787	134.	120.5	3.5	1586.	1445	-141.	91.1	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	536.	479	-57.	89.4	1.8	371.	399	28.	107.5	1.0	907.	878	-29.	96.8	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	53.	49	-4.	92.5	0.4	72.	28	-44.	38.9	4.4	125.	77	-48.	61.6	03000035 918m past Manaiti Street (Bennydale)
3497	10125	592.	747	155.	126.2	4.2	535.	535	0.	100.0	0.0	1127.	1282	155.	113.8	00300066 800m past SH 37 (Waitomo Road)
3506	8271	61.	38	-23.	62.3	2.2	43.	90	47.	209.3	4.2	104.	128	24.	123.1	03100022 500m west of Ngutunui Road
3507	8267	210.	284	74.	135.2	3.3	460.	483	23.	105.0	0.7	670.	767	97.	114.5	02300037 - SH23 West of Heddon Ragian

Number of links = 20 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	7157.	6513.	13670.
VOLUME	7195.	6492.	13687.
CHANGE	38.	-21.	17.
%	101.	100.	100.
CORREL.			
COEFF.	0.973	0.971	0.986
%RMS	34.86	26.89	21.70
r^2	0.947	0.944	0.971
GEH	0.3	0.2	0.1
GEH <5	<7	<10	<12
#	32	37	40
%	80.0	92.5	100.0

Cordon Number : 4
 Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
5452	10678	532.	454	-78.	85.3	2.5	448.	635	187.	141.7	5.7	980.	1089	109.	111.1	02600009 700m east of Platt Rd
5614	5613	274.	143	-131.	52.2	6.5	231.	157	-74.	68.0	3.8	505.	300	-205.	59.4	01B00015 500m past Gordonton Rd/Taylor
5485	2822	265.	210	-55.	79.2	2.5	290.	215	-75.	74.1	3.4	555.	425	-130.	76.6	01B00024 100m past Holland Rd Intersection
4800	4799	1455.	1961	506.	134.8	8.7	1045.	1084	39.	103.7	0.9	2500.	3045	545.	121.8	01N00529 100m sth of Hopu Hopu Rail Bridge
5849	5690	1333.	1174	-159.	88.1	3.2	1575.	1241	-334.	78.8	6.3	2908.	2415	-493.	83.0	01N00563 120m sth of Pickering Rd
4111	10565	649.	574	-75.	88.4	2.1	616.	636	20.	103.2	0.6	1265.	1210	-55.	95.7	02600002 875m west of Lisette Rd

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	4508.	4205.	8713.
VOLUME	4516.	3968.	8484.
CHANGE	8.	-237.	-229.
%	100.	94.	97.
CORREL.			
COEFF.	0.956	0.948	0.949
%RMS	33.31	25.49	24.13
r^2	0.914	0.898	0.900
GEH	0.1	2.6	1.7
GEH <5	<7	<10	<12
#	8	11	12
%	66.7	91.7	100.0
		100.0	100.0
			0.0

Cordon Number : 5
 Description : *screenline 5 - North

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8305	8830	385.	281	-104.	73.0	4.0	354.	239	-115.	67.5	4.8	739.	520	-219.	70.4	00200052 650m past Orchard Rd
3384	8873	391.	409	18.	104.6	0.6	416.	422	6.	101.4	0.2	807.	831	24.	103.0	00200066 986m past of Awaiti Rd
8720	8320	679.	552	-127.	81.3	3.6	504.	532	28.	105.6	0.9	1183.	1084	-99.	91.6	00200091 Waihi - Telemetry Site 34 - E
8306	8739	347.	312	-35.	89.9	1.3	347.	551	204.	158.8	6.8	751.	863	112.	114.9	02500021 335m before Hauraki Rd
3163	3590	67.	107	40.	159.7	3.0	93.	44	-49.	47.3	4.1	160.	151	-9.	94.4	02500098 12m before 1st Abut Opononui
9162	8871	194.	223	29.	114.9	1.4	172.	253	81.	147.1	3.9	366.	476	110.	130.1	02500240 nth of Gladestone Rd
8872	2948	209.	217	8.	103.8	0.4	243.	218	-25.	89.7	1.1	452.	435	-17.	96.2	02600075 380m past Komata River Bridge
8449	9737	248.	205	-43.	82.7	2.1	307.	318	11.	103.6	0.5	555.	523	-32.	94.2	02700011 Kaihere - Telemetry Site 33
13522	13646	1517.	1708	191.	112.6	3.4	1631.	1730	99.	106.1	1.7	3148.	3438	290.	109.2	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road
8309	8855	243.	83	-160.	34.2	8.9	146.	168	22.	115.1	1.2	389.	251	-138.	64.5	25A00024 Hkuae - Telemetry Site 76
9559	9719	615.	545	-70.	88.6	2.1	725.	705	-20.	97.2	0.5	1340.	1250	-90.	93.3	00200033 By RS peg 32/1

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	4895.	4938.	9890.
VOLUME	4642.	5180.	9822.
CHANGE	-253.	242.	-68.
%	95.	105.	99.

CORREL.	FORWARD	BACK	TOTALS
COEFF.	0.982	0.984	0.992
%RMS	22.45	19.43	15.56
r^2	0.965	0.969	0.984
GEH	2.6	2.4	0.5

GEH	<5	<7	<10	<12	>12
#	20	21	22	22	0
%	90.9	95.5	100.0	100.0	0.0

Cordon Number : 6
 Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3613	8728	1513.	1886	373.	124.7	6.4	1273.	1184	-89.	93.0	1.8	2786.	3070	284.	110.2	00200141 near Tga RSI Site 23
9145	3918	933.	658	-275.	70.5	6.9	653.	787	134.	120.5	3.5	1586.	1445	-141.	91.1	02900034 Kaimai - Telemetry Site 12 - 1
3925	9138	332.	343	11.	103.3	0.4	260.	188	-72.	72.3	3.4	592.	531	-61.	89.7	03600012 760m sth of Williams Rd
10796	10798	1095.	943	-152.	86.1	3.4	1606.	1657	51.	103.2	0.9	2701.	2600	-101.	96.3	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	3873.	3792.	7665.
VOLUME	3830.	3816.	7646.
CHANGE	-43.	24.	-19.
%	99.	101.	100.

CORREL.	FORWARD	BACK	TOTALS
COEFF.	0.926	0.986	0.989
%RMS	29.09	11.17	10.19
r^2	0.858	0.971	0.978
GEH	0.5	0.3	0.1

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

Cordon Number : 7
 Description : *screenline 7 - South

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10727	8529	39.	16	-23.	41.0	3.0	37.	45	8.	121.6	0.9	76.	61	-15.	80.3	03200074 west of Taupo - Telemetry Site
4558	8578	383.	159	-224.	41.5	9.6	313.	225	-88.	71.9	3.8	696.	384	-312.	55.2	01N00729 Halletts Bay - Telemetry Site
8740	4352	706.	602	-104.	85.3	2.9	1341.	1296	-45.	96.6	0.9	2047.	1898	-149.	92.7	01N00705 100m nth of SH5 (East to Napi
8932	8740	756.	507	-249.	67.1	7.0	1112.	1082	-30.	97.3	0.6	1868.	1589	-279.	85.1	01N00706 300m Sth of SH5
8635	8755	299.	298	-1.	99.7	0.0	571.	379	-192.	66.4	6.2	870.	677	-193.	77.8	01N00700 at RS peg 606/5.07
4408	8402	2293.	2122	-171.	92.5	2.6	1141.	1048	-93.	91.8	2.0	3434.	3170	-264.	92.3	01N00702 Control Gates Bridge (Taupo)
8549	4246	231.	405	174.	175.3	6.9	289.	300	11.	103.8	0.5	520.	705	185.	135.6	00500138 278m past Crown Rd (Taupo)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	4707.	4804.	9511.
VOLUME	4109.	4375.	8484.
CHANGE	-598.	-429.	-1027.
%	87.	91.	89.
CORREL.			
COEFF.	0.982	0.990	0.990
%RMS	25.97	14.12	17.49
r^2	0.964	0.981	0.980
GEH	6.4	4.5	7.6
GEH <5	<7	<10	<12
#	10	12	14
%	71.4	85.7	100.0
		100.0	0.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		
9521	10776	551.	725	174.	131.6	4.9	477.	697	220.	146.1	6.4	1028.	1422	394.	138.3	00300038	335m nth of Wharepuhanga Road
3497	10125	592.	747	155.	126.2	4.2	535.	535	0.	100.0	0.0	1127.	1282	155.	113.8	00300066	800m past State Highway 37 (Waitomo Rd) May 2013
10193	8493	242.	84	-158.	34.7	8.8	240.	153	-87.	63.8	4.4	482.	237	-245.	49.2	00500000	217m past SH1 (Tirau)
8996	8387	536.	479	-57.	89.4	1.8	371.	399	28.	107.5	1.0	907.	878	-29.	96.8	00500082	520M Sth of ERP 77/3.70, Waiotapu
10192	8565	759.	772	13.	101.7	0.4	574.	560	-14.	97.6	0.4	1333.	1332	-1.	99.9	01N00620	Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	808.	797	-11.	98.6	0.3	718.	867	149.	120.8	3.7	1526.	1664	138.	109.0	02400001	120m East of Tower Road RAB
9264	9924	399.	481	82.	120.6	2.8	609.	868	259.	142.5	6.8	1008.	1349	341.	133.8	02600022	855m West of Piako Road (Motumaoho)
10167	8179	187.	276	89.	147.6	4.2	161.	220	59.	136.6	3.1	348.	496	148.	142.5	02600055	515m Nth of Patuwahao Stream Bridge
8458	9591	586.	598	12.	102.0	0.3	545.	545	0.	100.0	0.0	1131.	1143	12.	101.1	02700065	200m sth of Matamata Airport Entrance
9573	9842	309.	309	0.	100.0	0.0	325.	255	-70.	78.5	2.9	634.	564	-70.	89.0	02700083	320m past SH29
9126	9119	208.	178	-30.	85.6	1.5	169.	222	53.	131.4	2.7	377.	400	23.	106.1	02800000	163m past SH1 (Putaruru)
9655	9515	224.	268	44.	119.6	2.0	290.	215	-75.	74.1	3.4	514.	483	-31.	94.0	02800009	245m past SH5 (Whites Road)
9544	8486	225.	266	41.	118.2	1.9	276.	281	5.	101.8	0.2	501.	547	46.	109.2	02900057	450m East of McNab Road
9854	9873	498.	304	-194.	61.0	6.9	428.	511	83.	119.4	2.7	926.	815	-111.	88.0	02900069	200m sth of Totman Road
9550	9831	53.	49	-4.	92.5	0.4	72.	28	-44.	38.9	4.4	125.	77	-48.	61.6	03000035	918m past Manaiti St (Bennydale)
8527	8528	255.	155	-100.	60.8	5.0	181.	233	52.	128.7	2.6	436.	388	-48.	89.0	03000110	133m past SH
4051	8384	349.	301	-48.	86.2	1.9	381.	422	41.	110.8	1.5	730.	723	-7.	99.0	03000141	155m before Gun Club Rd
3506	8271	61.	38	-23.	62.3	2.2	43.	90	47.	209.3	4.2	104.	128	24.	123.1	03100022	500m West of Ngutunui Rd
8992	8424	84.	62	-22.	73.8	1.8	92.	149	57.	162.0	3.6	176.	211	35.	119.9	03200028	230m before Whakamaru Dam
9689	9691	No Forward Link Present .					1124.	1012	-112.	90.0	2.4	1124.	1012	-112.	90.0	01N00509	685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	1314.	1494	180.	113.7	3.4	No Back Link Present .				1314.	1494	180.	113.7	01N00509	685m sth of Tahuna Overbridge Rangiriri NB	

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	8240.	7611.	15851.
VOLUME	8383.	8262.	16645.
CHANGE	143.	651.	794.
%	102.	109.	105.
CORREL.			
COEFF.	0.967	0.940	0.959
%RMS	23.98	26.57	20.30
r^2	0.935	0.884	0.919
GEH	1.1	5.2	4.4
GEH <5	<7	<10	<12
#	36	39	40
%	90.0	97.5	100.0

Cordon Number : 9
 Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	5645	224.	115	-109.	51.3	6.0	538.	674	136.	125.3	3.9	762.	789	27.	103.5	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	290.	489	199.	168.6	7.1	566.	850	284.	150.2	7.5	856.	1339	483.	156.4	Te Kowhai Rd East of Tasman Rd 166
3476	4904	1184.	958	-226.	80.9	4.9	753.	1623	870.	215.5	17.9	1937.	2581	644.	133.2	Forest lake Rd railway underpass 63/64
3456	4721	1068.	1187	119.	111.1	2.5	1008.	2127	1119.	211.0	20.0	2076.	3314	1238.	159.6	Norton Rd at railway 718 11 May
8889	6664	1007.	1679	672.	166.7	13.0	1529.	1440	-89.	94.2	1.6	2536.	3119	583.	123.0	Hall St overpass
5199	2654	1401.	1009	-392.	72.0	8.0	1298.	1106	-192.	85.2	3.9	2699.	2115	-584.	78.4	Killarney Rd Railway crossing 1419-Nov
3175	4709	2518.	2238	-280.	88.9	4.1	1441.	2240	799.	155.4	13.2	3959.	4478	519.	113.1	01N00552 120m east of Railway Crossing
3168	4788	321.	196	-125.	61.1	5.5	191.	317	126.	166.0	5.6	512.	513	1.	100.2	Collins Rd railway crossing 149

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	8013.	7324.	15337.
VOLUME	7871.	10377.	18248.
CHANGE	-142.	3053.	2911.
%	98.	142.	119.
CORREL.			
COEFF.	0.896	0.708	0.918
%RMS	34.09	69.17	34.89
r^2	0.804	0.501	0.843
GEH	1.1	22.9	15.9
GEH <5	<7	<10	<12
#	6	9	12
%	37.5	56.2	75.0

Cordon Number : 10
 Description : *screenline 10 Hamilton Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4907	3606	1666.	1701	35.	102.1	0.6	1327.	1140	-187.	85.9	3.7	2993.	2841	-152.	94.9	Fairfield Rd Bridge WBD
3453	9823	1512.	1537	25.	101.7	0.4	905.	668	-237.	73.8	6.0	2417.	2205	-212.	91.2	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	2522.	2878	356.	114.1	4.8	1411.	1217	-194.	86.3	3.8	3933.	4095	162.	104.1	*Bridge St Anglesea to Victoria 109
3509	3670	2990.	2723	-267.	91.1	3.5	2126.	1944	-182.	91.4	2.9	5116.	4667	-449.	91.2	Cobham Drive Bridge RSI 18 SBD

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	8690.	5769.	14459.
VOLUME	8839.	4969.	13808.
CHANGE	149.	-800.	-651.
%	102.	86.	95.
CORREL.			
COEFF.	0.933	1.000	0.977
%RMS	11.88	16.11	8.69
r^2	0.871	0.999	0.955
GEH	1.1	7.7	3.9
GEH <5	<7	<10	<12
#	7	8	8
%	87.5	100.0	100.0

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4111	10565	649.	574	-75.	88.4	2.1	616.	636	20.	103.2	0.6	1265.	1210	-55.	95.7	02600002 875m West of Lisette Road
7024	7788	354.	358	4.	101.1	0.1	182.	129	-53.	70.9	3.1	536.	487	-49.	90.9	Powells Rd btw Alderson&Raymond S309
10696	10598	434.	385	-49.	88.7	1.7	409.	482	73.	117.8	2.5	843.	867	24.	102.8	Puketaha Rd
3921	3920	735.	654	-81.	89.0	2.1	548.	502	-46.	91.6	1.4	1283.	1156	-127.	90.1	Ruakura Rd East of Silverdale 155
7789	8078	143.	132	-11.	92.3	0.6	198.	210	12.	106.1	0.6	341.	342	1.	100.3	Fairview St btw Wattle&Radiata S307

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	2315.	1953.	4268.
VOLUME	2103.	1959.	4062.
CHANGE	-212.	6.	-206.
%	91.	100.	95.
CORREL.			
COEFF.	0.996	0.971	0.993
%RMS	13.10	13.30	8.71
r^2	0.992	0.943	0.986
GEH	3.2	0.1	2.3
GEH <5	<7	<10	<12 >12
#	10	10	10 10 0
%	100.0	100.0	100.0 100.0 0.0

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
3938	7174	970.	833	-137.	85.9	3.3	774.	549	-225.	70.9	6.2	1744.	1382	-362.	79.2	Pukete Rd btw Cullimore&Wairere 255
3503	2767	1422.	1220	-202.	85.8	3.9	852.	966	114.	113.4	2.7	2274.	2186	-88.	96.1	Resolution Dr Nth of Wairere Dr 188
3558	3557	1810.	1857	47.	102.6	0.8	1028.	1013	-15.	98.5	0.4	2838.	2870	32.	101.1	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	1735.	1143	-592.	65.9	11.0	1117.	800	-317.	71.6	7.2	2852.	1943	-909.	68.1	Gordonton Rd btw Crosby&Greenhill
5510	2822	365.	296	-69.	81.1	2.6	179.	181	2.	101.1	0.1	544.	477	-67.	87.7	Holland Rd btw Ruakura&SH1B
5485	2822	265.	210	-55.	79.2	2.5	290.	215	-75.	74.1	3.4	555.	425	-130.	76.6	01B00024 100m past Holland Road Intersection
5195	6838	229.	225	-4.	98.3	0.2	299.	267	-32.	89.3	1.3	528.	492	-36.	93.2	Totara Dr - Nth Delamare Rd S325
4745	4746	89.	84	-5.	94.4	0.3	72.	60	-12.	83.3	1.0	161.	144	-17.	89.4	Delamare Rd - North Wairere Dr

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	6885.	4611.	11496.
VOLUME	5868.	4051.	9919.
CHANGE	-1017.	-560.	-1577.
%	85.	88.	86.
CORREL.			
COEFF.	0.962	0.943	0.963
%RMS	28.46	27.13	26.16
r^2	0.925	0.889	0.927
GEH	9.0	6.0	10.8
GEH <5	<7	<10	<12 >12
#	13	14	15 16 0
%	81.2	87.5	93.8 100.0 0.0

Cordon Number : 13
 Description : *screenline 13 - South HCC

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
3339	3735	426.	493	67.	115.7	2.2	924.	889	-35.	96.2	0.8	1350.	1382	32.	102.4	Tuhikaramea Rd by speed limit sigh 752
4761	5535	1718.	1638	-80.	95.3	1.4	2945.	2267	-678.	77.0	9.4	4663.	3905	-758.	83.7	Ohaupo Rd north of Normandy Ave
4847	8214	1212.	911	-301.	75.2	6.6	2397.	2661	264.	111.0	3.7	3609.	3572	-37.	99.0	Normandy Ave north of Bader St
3587	4157	2312.	1995	-317.	86.3	4.8	2715.	2393	-322.	88.1	4.5	5027.	4388	-639.	87.3	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	576.	485	-91.	84.2	2.8	288.	247	-41.	85.8	1.8	864.	732	-132.	84.7	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	6244.	9269.	15513.
VOLUME	5522.	8457.	13979.
CHANGE	-722.	-812.	-1534.
%	88.	91.	90.
CORREL.			
COEFF.	0.985	0.955	0.991
%RMS	18.36	21.51	16.14
r^2	0.971	0.912	0.981
GEH	6.7	6.1	8.9
GEH <5	<7	<10	<12 >12
#	8	9	10 10 0
%	80.0	90.0	100.0 100.0 0.0

Cordon Number : 14
 Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4449	4470	471.	512	41.	108.7	1.3	751.	606	-145.	80.7	3.9	1222.	1118	-104.	91.5	Victoria Road (Taylor/Hautapu)
5929	8294	335.	172	-163.	51.3	7.2	328.	145	-183.	44.2	8.5	663.	317	-346.	47.8	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	1333.	1174	-159.	88.1	3.2	1575.	1241	-334.	78.8	6.3	2908.	2415	-493.	83.0	01N00563 - SH1N 120m soth of Pickering Road

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	2139.	2654.	4793.
VOLUME	1858.	1992.	3850.
CHANGE	-281.	-662.	-943.
%	87.	75.	80.
CORREL.			
COEFF.	0.977	0.996	0.989
%RMS	22.95	32.57	27.05
r^2	0.955	0.992	0.979
GEH	4.4	9.7	10.1
GEH <5	<7	<10	<12 >12
#	3	4	6 6 0
%	50.0	66.7	100.0 100.0 0.0

Cordon Number : 15
 Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4554	4553	920.	964	44.	104.8	1.0	1396.	1351	-45.	96.8	0.9	2316.	2315	-1.	100.0	00300012 1510 past SH21 Airport Road
6075	10261	290.	254	-36.	87.6	1.5	353.	298	-55.	84.4	2.1	643.	552	-91.	85.8	18000m Cambridge Rd Rural
9402	5417	678.	769	91.	113.4	2.4	626.	576	-50.	92.0	1.4	1304.	1345	41.	103.1	Alexandra Street 186
2732	4872	919.	943	24.	102.6	0.6	1450.	1402	-48.	96.7	0.9	2369.	2345	-24.	99.0	00300029 350m Nth of Saint Ledger Road

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

TOTALS FORWARD BACK TOTALS

COUNT	2807.	3825.	6632.
VOLUME	2930.	3627.	6557.
CHANGE	123.	-198.	-75.
%	104.	95.	99.

CORREL.

COEFF.	0.992	1.000	0.998
%RMS	9.05	5.99	3.57
r^2	0.983	1.000	0.997
GEH	1.6	2.3	0.7

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

Cordon Number : 16
 Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
12430	12431	2557.	2582	25.	101.0	0.4	No Back Link Present .					2557.	2582	25.	101.0	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72
12388	12387	No Forward Link Present .					2892.	3017	125.	104.3	1.6	2892.	3017	125.	104.3	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	1566.	1653	87.	105.6	1.5	1628.	1827	199.	112.2	3.4	3194.	3480	286.	109.0	SH2 Interchange NB SB
11582	8693	891.	765	-126.	85.9	3.1	805.	687	-118.	85.3	3.1	1696.	1452	-244.	85.6	00200002 Maungatawhiri - Telemetry Site 74 West of Grahams Bridge

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS FORWARD BACK TOTALS

COUNT	5014.	5325.	10339.
VOLUME	5000.	5531.	10531.
CHANGE	-14.	206.	192.
%	100.	104.	102.

CORREL.

COEFF.	0.995	0.994	1.000
%RMS	6.56	10.48	8.87
r^2	0.991	0.988	0.999
GEH	0.1	2.0	1.3

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

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

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8666	8698	626.	703	77.	112.3	2.1	656.	557	-99.	84.9	2.9	1282.	1260	-22.	98.3	00200106 500m East of Athenree Road
9145	3918	653.	658	5.	100.8	0.2	933.	787	-146.	84.4	3.5	1586.	1445	-141.	91.1	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	382.	220	-162.	57.6	6.6	420.	418	-2.	99.5	0.1	802.	638	-164.	79.6	00500034 - SH5 sth of Maraeroa Rotorua
4051	8384	349.	301	-48.	86.2	1.9	381.	422	41.	110.8	1.5	730.	723	-7.	99.0	03000141 155m before Gun Club Road
8996	8387	536.	479	-57.	89.4	1.8	371.	399	28.	107.5	1.0	907.	878	-29.	96.8	00500082 520m sth of ERP 7713.70 Waiotapu

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	2546.	2761.	5307.
VOLUME	2361.	2583.	4944.
CHANGE	-185.	-178.	-363.
%	93.	94.	93.
CORREL.			
COEFF.	0.962	0.993	0.979
%RMS	19.08	16.59	10.34
r^2	0.925	0.985	0.959
GEH	2.7	2.4	3.6
GEH <5	<7	<10	<12
#	9	10	10
%	90.0	100.0	100.0

Cordon Number : 18
 Description : *screenline 18 North Waikato Lateral

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10167	8179	187.	276	89.	147.6	4.2	161.	220	59.	136.6	3.1	348.	496	148.	142.5	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	19.	19	0.	100.0	0.0	21.	22	1.	104.8	0.3	40.	41	1.	102.5	Taniwha Rd nth of Waiterimu Rd
8449	9737	248.	205	-43.	82.7	2.1	307.	318	11.	103.6	0.5	555.	523	-32.	94.2	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					1124.	1012	-112.	90.0	2.4	1124.	1012	-112.	90.0	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	1314.	1494	180.	113.7	3.4	No Back Link Present .					1314.	1494	180.	113.7	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	1768.	1613.	3381.
VOLUME	1994.	1572.	3566.
CHANGE	226.	-41.	185.
%	113.	97.	105.
CORREL.			
COEFF.	0.996	0.997	0.975
%RMS	26.82	18.19	19.26
r^2	0.993	0.995	0.951
GEH	3.7	0.7	2.2
GEH <5	<7	<10	<12
#	8	8	8
%	100.0	100.0	100.0

Cordon Number : 19

Description : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8854	8642	177.	86	-91.	48.6	5.6	209.	214	5.	102.4	0.3	386.	300	-86.	77.7	02500177 Swampy Stream Bridge
3599	8832	382.	388	6.	101.6	0.2	228.	210	-18.	92.1	0.9	610.	598	-12.	98.0	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	559.	437.	996.		
VOLUME	474.	424.	898.		
CHANGE	-85.	-13.	-98.		
%	85.	97.	90.		
CORREL.					
COEFF.	1.000	-1.000	1.000		
%RMS	32.63	8.55	17.44		
r^2	1.000	1.000	1.000		
GEH	2.6	0.4	2.3		
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 : *screenline 20 - Southern Links

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4773	4566	28.	41	13.	146.4	1.5	72.	61	-11.	84.7	1.0	100.	102	2.	102.0	Gillard Rd South Fletcher Road
2917	3157	1095.	1071	-24.	97.8	0.5	1662.	1732	70.	104.2	1.2	2757.	2803	46.	101.7	00300003 - 285m sth of Dixons Road
2645	3726	2.	8	6.	400.0	1.9	68.	8	-60.	11.8	6.9	70.	16	-54.	22.9	Peacockes Rd North Stubbs Rd
4134	4926	162.	143	-19.	88.3	1.1	231.	273	42.	118.2	1.9	393.	416	23.	105.9	Newell Rd
2786	3907	1738.	1701	-37.	97.9	0.6	2002.	1982	-20.	99.0	0.3	3740.	3683	-57.	98.5	01N00559 - 355m past Cherry Lane (Tamahere Motels)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	3025.	4035.	7060.
VOLUME	2964.	4056.	7020.
CHANGE	-61.	21.	-40.
%	98.	101.	99.
CORREL.			
COEFF.	1.000	0.999	1.000
%RMS	4.14	6.43	3.32
r^2	1.000	0.997	0.999
GEH	0.8	0.2	0.3
GEH <5	<7	<10	<12 >12
#	9	10	10 10 0
%	90.0	100.0	100.0 100.0 0.0

Cordon Number : 21
 Description : *Removed Counts

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5874	3514	2938.	2906	-32.	98.9	0.4	2855.	2328	-527.	81.5	7.3	5793.	5234	-559.	90.4	01N00546 North of Avalon/Te Rapa	July 2012 Count
7706	3483	1579.	1138	-441.	72.1	8.4	1996.	1375	-621.	68.9	10.7	3575.	2513	-1062.	70.3	Avalon Drive overbridge	June 2014 count
3652	8293	2699.	4128	1429.	152.9	17.3	1953.	1911	-42.	97.8	0.7	4652.	6039	1387.	129.8	*Wairere Dr Bridge RSI 13 WBD	Te Rapa Bypass and Wairere Dr signal

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	7216.	6804.	14020.
VOLUME	8172.	5614.	13786.
CHANGE	956.	-1190.	-234.
%	113.	83.	98.
CORREL.			
COEFF.	0.834	0.803	0.725
%RMS	43.97	25.43	27.75
r^2	0.696	0.645	0.526
GEH	7.7	10.7	1.4
GEH <5	<7	<10	<12 >12
#	2	2	4 5 1
%	33.3	33.3	66.7 83.3 16.7

Cordon Number : 22
 Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
5765	5497	1466.	2153	687.	146.9	11.4	1262.	1202	-60.	95.2	1.2	2728.	3355	627.	123.0	*Ngaruawahia Bridge
4907	3606	1666.	1701	35.	102.1	0.6	1327.	1140	-187.	85.9	3.7	2993.	2841	-152.	94.9	Fairfield Rd Bridge WBD
3453	9823	1512.	1537	25.	101.7	0.4	905.	668	-237.	73.8	6.0	2417.	2205	-212.	91.2	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	2522.	2878	356.	114.1	4.8	1411.	1217	-194.	86.3	3.8	3933.	4095	162.	104.1	*Bridge St Anglesea to Victoria 109
3509	3670	2990.	2723	-267.	91.1	3.5	2126.	1944	-182.	91.4	2.9	5116.	4667	-449.	91.2	Cobham Dr Bridge RSI 18 SBD
6307	10685	541.	454	-87.	83.9	2.7	550.	612	62.	111.3	1.8	1091.	1066	-25.	97.7	Airport Rd - 02100004 Sth of Lochiel Rd
6432	6550	1117.	974	-143.	87.2	3.1	1099.	944	-155.	85.9	3.4	2216.	1918	-298.	86.6	*Victoria St (Cambridge) - Alpha to Duke
10228	6171	908.	865	-43.	95.3	1.0	686.	518	-168.	75.5	4.8	1594.	1383	-211.	86.8	*Shakespeare Bridge (Cambridge)
8402	4408	1141.	1048	-93.	91.8	2.0	2293.	2122	-171.	92.5	2.6	3434.	3170	-264.	92.3	01N00702 Control Gates Bridge (Taupo)
2607	9841	216.	169	-47.	78.2	2.4	208.	177	-31.	85.1	1.6	424.	346	-78.	81.6	Maungatautari Road - North of Hydro Road
8992	8424	84.	62	-22.	73.8	1.8	92.	149	57.	162.0	3.6	176.	211	35.	119.9	03200028 230m before Whakamaru Dam
8958	8929	344.	249	-95.	72.4	3.9	340.	294	-46.	86.5	1.8	684.	543	-141.	79.4	SH1 - south of SH30
2732	4872	919.	943	24.	102.6	0.6	1450.	1402	-48.	96.7	0.9	2369.	2345	-24.	99.0	00300029- 350m Nth of Saint Ledger Rd
8270	9936	208.	295	87.	141.8	3.8	230.	290	60.	126.1	2.6	438.	585	147.	133.6	03900052 - SH39 sth of Hanning Piongia
3507	8267	210.	284	74.	135.2	3.3	460.	483	23.	105.0	0.7	670.	767	97.	114.5	02300037 - SH23 90m East of Wrights Road
10323	9789	2128.	2408	280.	113.2	4.2	1691.	1585	-106.	93.7	1.9	3819.	3993	174.	104.6	SH1 sth of Tregoweth Huntly
9593	10779	54.	63	9.	116.7	0.7	149.	94	-55.	63.1	3.5	203.	157	-46.	77.3	Waingaro Road
2854	2853	217.	282	65.	130.0	3.0	270.	140	-130.	51.9	6.4	487.	422	-65.	86.7	Hakarimata Rd
9968	9944	71.	56	-15.	78.9	1.2	85.	53	-32.	62.4	2.7	156.	109	-47.	69.9	Orini Rd
9913	9915	171.	323	152.	188.9	6.9	249.	248	-1.	99.6	0.0	420.	571	151.	136.0	Whitikahu Rd
10786	5650	91.	283	192.	311.0	10.0	108.	220	112.	203.7	6.2	199.	503	304.	252.8	Scotsman Valley Rd
10707	9924	896.	718	-178.	80.1	4.4	955.	908	-47.	95.1	1.1	1851.	1626	-225.	87.8	Piako Road
4808	10272	1212.	984	-228.	81.2	4.9	1213.	681	-532.	56.1	12.2	2425.	1665	-760.	68.7	01N00580
4817	4877	130.	159	29.	122.3	1.6	120.	163	43.	135.8	2.5	250.	322	72.	128.8	Golf Road - West Flat Road
8438	10243	113.	243	130.	215.0	6.9	188.	276	88.	146.8	4.1	301.	519	218.	172.4	Pokuru Road
9110	10206	382.	220	-162.	57.6	6.6	420.	418	-2.	99.5	0.1	802.	638	-164.	79.6	SH5 - sth of Maraeroa Rd Rotorua
8384	4051	381.	422	41.	110.8	1.5	349.	301	-48.	86.2	1.9	730.	723	-7.	99.0	03000141 - 155m before Gun Club Road
8274	8518	173.	164	-9.	94.8	0.4	247.	212	-35.	85.8	1.6	420.	376	-44.	89.5	SH1 sth of Taupahi Turangi
9962	10693	142.	78	-64.	54.9	4.3	108.	94	-14.	87.0	1.0	250.	172	-78.	68.8	Tahuna Rd east of Rutherford Rd
9958	9948	21.	19	-2.	90.5	0.3	19.	22	3.	115.8	0.6	40.	41	1.	102.5	Taniwha Rd nth of Waiterimu Rd
8549	4246	231.	405	174.	175.3	6.9	289.	300	11.	103.8	0.5	520.	705	185.	135.6	00500138 278m past crown road (Taupo)
8552	8792	358.	209	-149.	58.4	6.3	344.	217	-127.	63.1	5.4	702.	426	-276.	60.7	00500125 98m before SH1 (Wairakei)
8779	8959	47.	47	0.	100.0	0.0	38.	39	1.	102.6	0.0	85.	86	1.	101.2	04100029 50m East of Moerangi Road
8522	8273	124.	62	-62.	50.0	4.5	66.	53	-13.	80.3	1.3	190.	115	-75.	60.5	04700046 242m before SH41
8449	9737	248.	205	-43.	82.7	2.1	307.	318	11.	103.6	0.5	555.	523	-32.	94.2	02700011 Kaihere - Telemetry Site 33
8179	10167	161.	220	59.	136.6	3.1	187.	276	89.	147.6	4.2	348.	496	148.	142.5	02600055 515m nth of Patuwhao Stream Bridge
8666	8698	626.	703	77.	112.3	2.1	656.	557	-99.	84.9	2.9	1282.	1260	-22.	98.3	00200106 500m East of Athenree Road (Tauranga Side)
3918	9145	653.	787	134.	120.5	3.5	933.	658	-275.	70.5	6.9	1586.	1445	-141.	91.1	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	371.	479	108.	129.1	3.7	536.	399	-137.	74.4	4.5	907.	878	-29.	96.8	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	53.	49	-4.	92.5	0.4	72.	28	-44.	38.9	4.4	125.	77	-48.	61.6	03000035 918m past Manaiti Street (Bennydale)
3497	10125	592.	747	155.	126.2	4.2	535.	535	0.	100.0	0.0	1127.	1282	155.	113.8	00300066 800m past SH 37 (Waitomo Road)
3506	8271	61.	38	-23.	62.3	2.2	43.	90	47.	209.3	4.2	104.	128	24.	123.1	03100022 500m west of Ngutunui Road
5452	10678	532.	454	-78.	85.3	2.5	448.	635	187.	141.7	5.7	980.	1089	109.	111.1	02600009 700m east of Platt Rd
5614	5613	274.	143	-131.	52.2	6.5	231.	157	-74.	68.0	3.8	505.	300	-205.	59.4	01B00015 500m past Gordonton Rd/Taylor
2822	5485	290.	215	-75.	74.1	3.4	265.	210	-55.	79.2	2.5	555.	425	-130.	76.6	01B00024 100m past Holland Rd Intersection
4799	4800	1045.	1084	39.	103.7	0.9	1455.	1961	506.	134.8	8.7	2500.	3045	545.	121.8	01N00529 100m sth of Hopu Hopu Rail Bridge
5849	5690	1333.	1174	-159.	88.1	3.2	1575.	1241	-334.	78.8	6.3	2908.	2415	-493.	83.0	01N00563 - SH1N 120m south of Pickering Road
10565	4111	616.	636	20.	103.2	0.6	649.	574	-75.	88.4	2.1	1265.	1210	-55.	95.7	02600002 875m west of Lissette Rd
8830	8305	354.	239	-115.	67.5	4.8	385.	281	-104.	73.0	4.0	739.	520	-219.	70.4	00200052 650m past Orchard Rd
8873	3384	416.	422	6.	101.4	0.2	391.	409	18.	104.6	0.6	807.	831	24.	103.0	00200066 986m past of Awaiti Rd
8720	8320	679.	552	-127.	81.3	3.6	504.	532	28.	105.6	0.9	1183.	1084	-99.	91.6	00200091 Waihi - Telemetry Site 34 - E
8739	8306	404.	551	147.	136.4	4.7	347.	312	-35.	89.9	1.3	751.	863	112.	114.9	02500021 335m before Hauraki Rd
3590	3163	93.	44	-49.	47.3	4.1	67.	107	40.	159.7	3.0	160.	151	-9.	94.4	02500098 12m before 1st Abut Oritonui
8871	9162	172.	253	81.	147.1	3.9	194.	223	29.	114.9	1.4	366.	476	110.	130.1	02500240 nth of Gladestone Rd
8872	2948	209.	217	8.	103.8	0.4	243.	218	-25.	89.7	1.1	452.	435	-17.	96.2	02600075 380m past Komata River Bridge
13646	13522	1631.	1730	99.	106.1	1.7	1517.	1708	191.	112.6	3.4	3148.	3438	290.	109.2	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road
8309	8855	243.	83	-160.	34.2	8.9	146.	168	22.	115.1	1.2	389.	251	-138.	64.5	25A00024 Hkuae - Telemetry Site 76
9719	9559	615.	705	90.	114.6	2.5	725.	545	-180.	75.2	5.1	1340.	1250	-90.	93.3	00200033 By RS peg 32/1

3613	8728	1513.	1886	373.	124.7	6.4	1273.	1184	-89.	93.0	1.8	2786.	3070	284.	110.2	00200141	near Tga RSI Site 23
3925	9138	260.	343	83.	131.9	3.3	332.	188	-144.	56.6	6.3	592.	531	-61.	89.7	03600012	760m sth of Williams Rd
10796	10798	1095.	943	-152.	86.1	3.4	1606.	1657	51.	103.2	0.9	2701.	2600	-101.	96.3	00200187	Near Tga RSI Site 21
8529	10727	37.	45	8.	121.6	0.9	39.	16	-23.	41.0	3.0	76.	61	-15.	80.3	03200074	west of Taupo - Telemetry Site
8578	4558	313.	225	-88.	71.9	3.8	383.	159	-224.	41.5	9.6	696.	384	-312.	55.2	01N00729	Halletts Bay - Telemetry Site
4352	8740	1341.	1296	-45.	96.6	0.9	706.	602	-104.	85.3	2.9	2047.	1898	-149.	92.7	01N00705	100m nth of SH5 (East to Napi
8740	8932	1112.	1082	-30.	97.3	0.6	756.	507	-249.	67.1	7.0	1868.	1589	-279.	85.1	01N00706	300m Sth of SH5
8635	8755	299.	298	-1.	99.7	0.0	571.	379	-192.	66.4	6.2	870.	677	-193.	77.8	01N00700	at RS peg 606/5.07
10776	9521	477.	697	220.	146.1	6.4	551.	725	174.	131.6	4.9	1028.	1422	394.	138.3	00300038	335m nth of Wharepuhanga Road
10193	8493	242.	84	-158.	34.7	8.8	240.	153	-87.	63.8	4.4	482.	237	-245.	49.2	00500000	217m past SH1 (Tirau)
8565	10192	574.	560	-14.	97.6	0.4	759.	772	13.	101.7	0.4	1333.	1332	-1.	99.9	01N00620	Lichfield Telemetry Site 21 sth of Baldwin Rd
10169	10158	718.	867	149.	120.8	3.7	808.	797	-11.	98.6	0.3	1526.	1664	138.	109.0	02400001	120m East of Tower Road RAB
9924	9264	609.	868	259.	142.5	6.8	399.	481	82.	120.6	2.8	1008.	1349	341.	133.8	02600022	855m West of Piako Road (Motumaoho)
8458	9591	545.	598	53.	109.7	1.6	586.	545	-41.	93.0	1.2	1131.	1143	12.	101.1	02700065	200m sth of Matamata Airport Entrance
9842	9573	325.	255	-70.	78.5	2.9	309.	309	0.	100.0	0.0	634.	564	-70.	89.0	02700083	320m past SH29
9126	9119	208.	178	-30.	85.6	1.5	169.	222	53.	131.4	2.7	377.	400	23.	106.1	02800000	163m past SH1 (Putaruru)
9515	9655	290.	215	-75.	74.1	3.4	224.	268	44.	119.6	2.0	514.	483	-31.	94.0	02800009	245m past SH5 (Whites Road)
9544	8486	225.	266	41.	118.2	1.9	276.	281	5.	101.8	0.2	501.	547	46.	109.2	02900057	450m East of McNab Road
9873	9854	428.	511	83.	119.4	2.7	498.	304	-194.	61.0	6.9	926.	815	-111.	88.0	02900069	200m sth of Totman Road
8527	8528	255.	155	-100.	60.8	5.0	181.	233	52.	128.7	2.6	436.	388	-48.	89.0	03000110	133m past SH
9689	9691	No Forward Link Present .					1124.	1012	-112.	90.0	2.4	1124.	1012	-112.	90.0	01N00509	685m sth of Tahuna Overbridge Rangiriri S
9685	9629	1314.	1494	180.	113.7	3.4	No Back Link Present .					1314.	1494	180.	113.7	01N00509	685m sth of Tahuna Overbridge Rangiriri NB
7164	5645	224.	115	-109.	51.3	6.0	538.	674	136.	125.3	3.9	762.	789	27.	103.5	Ruffell Rd Nth of Te Kowhat Rd 176	
3287	3512	290.	489	199.	168.6	7.1	566.	850	284.	150.2	7.5	856.	1339	483.	156.4	Te Kowhai Rd East of Tasman Rd 166	
3476	4904	1184.	958	-226.	80.9	4.9	753.	1623	870.	215.5	17.9	1937.	2581	644.	133.2	Forest lake Rd railway underpass 63/64	
3456	4721	1068.	1187	119.	111.1	2.5	1008.	2127	1119.	211.0	20.0	2076.	3314	1238.	159.6	Norton Rd at railway 718 11 May	
8889	6664	1007.	1679	672.	166.7	13.0	1529.	1440	-89.	94.2	1.6	2536.	3119	583.	123.0	Hall St overpass	
5199	2654	1401.	1009	-392.	72.0	8.0	1298.	1106	-192.	85.2	3.9	2699.	2115	-584.	78.4	Killarney Rd Railway crossing 1419-Nov	
3175	4709	2518.	2238	-280.	88.9	4.1	1441.	2240	799.	155.4	13.2	3959.	4478	519.	113.1	01N00552	120m east of Railway Crossing
3168	4788	321.	196	-125.	61.1	5.5	191.	317	126.	166.0	5.6	512.	513	1.	100.2	Collins Rd railway crossing 149	
7024	7788	354.	358	4.	101.1	0.1	182.	129	-53.	70.9	3.1	536.	487	-49.	90.9	Powells Rd btw Alderson&Raymond S309	
10696	10598	434.	385	-49.	88.7	1.7	409.	482	73.	117.8	2.5	843.	867	24.	102.8	Puketaha Rd	
3921	3920	735.	654	-81.	89.0	2.1	548.	502	-46.	91.6	1.4	1283.	1156	-127.	90.1	Ruakura Rd East of Silverdale 155	
8078	7789	198.	210	12.	106.1	0.6	143.	132	-11.	92.3	0.6	341.	342	1.	100.3	Fairview St btw Wattle&Radiata S307	
3938	7174	970.	833	-137.	85.9	3.3	774.	549	-225.	70.9	6.2	1744.	1382	-362.	79.2	Pukete Rd btw Cullimore&Wairere 255	
2767	3503	852.	966	114.	113.4	2.7	1422.	1220	-202.	85.8	3.9	2274.	2186	-88.	96.1	Resolution Dr Nth of Wairere Dr 188	
3557	3558	1028.	1013	-15.	98.5	0.4	1810.	1857	47.	102.6	0.8	2838.	2870	32.	101.1	Hukanui Rd Nth of Wairere Dr 264/416	
3932	4978	1117.	1143	26.	102.3	0.5	816.	800	-16.	98.0	0.4	1933.	1943	10.	100.5	Gordonton Rd btw Crosby&Greenhill	
2822	5510	179.	181	2.	101.1	0.1	365.	296	-69.	81.1	2.6	544.	477	-67.	87.7	Holland Rd btw Ruakura&SH1B	
6838	5195	299.	267	-32.	89.3	1.3	229.	225	-4.	98.3	0.2	528.	492	-36.	93.2	Totara Dr - Nth Delamare Rd S325	
4746	4745	72.	60	-12.	83.3	1.0	89.	84	-5.	94.4	0.3	161.	144	-17.	89.4	Delamare Rd - North Wairere Dr	
3735	3339	924.	889	-35.	96.2	0.8	426.	493	67.	115.7	2.2	1350.	1382	32.	102.4	Tuhikaramea Rd by speed limit sigh 752	
5535	4761	2945.	2267	-678.	77.0	9.4	1718.	1638	-80.	95.3	1.4	4663.	3905	-758.	83.7	Ohaupo Rd north of Normandy Ave	
8214	4847	2397.	2661	264.	111.0	3.7	1212.	911	-301.	75.2	6.6	3609.	3572	-37.	99.0	Normandy Ave north of Bader St	
3587	4157	2312.	1995	-317.	86.3	4.8	2715.	2393	-322.	88.1	4.5	5027.	4388	-639.	87.3	01N10558, 01N20558	135m north of Riverlea Road
4113	2899	576.	485	-91.	84.2	2.8	288.	247	-41.	85.8	1.8	864.	732	-132.	84.7	Matangi Rd at Bridge 151	
4470	4449	751.	606	-145.	80.7	3.9	471.	512	41.	108.7	1.3	1222.	1118	-104.	91.5	Victoria Road (Taylor/Hautapu)	
5929	8294	335.	172	-163.	51.3	7.2	328.	145	-183.	44.2	8.5	663.	317	-346.	47.8	Thornton Rd (Grosvenor/Bowen) 107	
4554	4553	920.	964	44.	104.8	1.0	1396.	1351	-45.	96.8	0.9	2316.	2315	-1.	100.0	00300012	1510 past SH21 Airport Road
6075	10261	290.	254	-36.	87.6	1.5	353.	298	-55.	84.4	2.1	643.	552	-91.	85.8	18000m Cambridge Rd Rural	
9402	5417	678.	769	91.	113.4	2.4	626.	576	-50.	92.0	1.4	1304.	1345	41.	103.1	Alexandra Street 186	
11582	8693	891.	765	-126.	85.9	3.1	805.	687	-118.	85.3	3.1	1696.	1452	-244.	85.6	00200002	Maungatawhiri - Telemetry Site 74 West of Grahams Bridge
12431	12430	No Forward Link Present .					2557.	2582	25.	101.0	0.4	2557.	2582	25.	101.0	01N10474 (NB) 02N20474	Bombay - Telemetry Site 72
12387	12388	2892.	3017	125.	104.3	1.6	No Back Link Present .					2892.	3017	125.	104.3	01N10474 (SB) 01N20474	Bombay - Telemetry Site 72
13603	13674	1566.	1653	87.	105.6	1.5	1628.	1827	199.	112.2	3.4	3194.	3480	286.	109.0	SH2 Interchange NB SB	
8854	8642	177.	86	-91.	48.6	5.6	209.	214	5.	102.4	0.3	386.	300	-86.	77.7	02500177	Swampy Stream Bridge
3599	8832	382.	388	6.	101.6	0.2	228.	210	-18.	92.1	0.9	610.	598	-12.	98.0	02500036	Speed Restriction Sign (Whakatete Bay Sth
4566	4773	72.	61	-11.	84.7	1.0	28.	41	13.	146.4	1.5	100.	102	2.	102.0	Gillard Rd South Fletcher Road	
2917	3157	1095.	1071	-24.	97.8	0.5	1662.	1732	70.	104.2	1.2	2757.	2803	46.	101.7	00300003	- 285m sth of Dixons Road
3726	2645	68.	8	-60.	11.8	6.9	2.	8	6.	400.0	1.9	70.	16	-54.	22.9	Peacocks Rd North Stubbs Rd	
4926	4134	231.	273	42.	118.2	1.9	162.	143	-19.	88.3	1.1	393.	416	23.	105.9	Newell Rd	
2786	3907	1738.	1701	-37.	97.9	0.6	2002.	1982	-20.	99.0	0.3	3740.	3683	-57.	98.5	01N00559	- 355m past Cherry Lane (Tamahere Motels)
3500	5456	232.	123	-109.	53.0	5.8	470.	392	-78.	83.4	2.7	702.	515	-187.	73.4	203 Te Kowhai Road at City Boundry	
3373	4770	650.	534	-116.	82.2	3.4	676.	521	-155.	77.1	4.5	1326.	1055	-271.	79.6	54 Newcastle Road - opposite Microwave Station	

7548	5566	339.	196	-143.	57.8	6.1	606.	471	-135.	77.7	4.1	945.	667	-278.	70.6	152 Rotokauri Road - North of Brymer
2720	10595	78.	177	99.	226.9	6.1	75.	110	35.	146.7	2.7	153.	287	134.	187.6	S319 Exelby Road btw Kauri & Burbush
6610	6644	712.	467	-245.	65.6	7.2	1485.	1208	-277.	81.3	5.3	2197.	1675	-522.	76.2	02300004 - East of Newcastle Road

Number of links = 125 Number of forward links = 123 Number of back links = 123

TOTALS	FORWARD	BACK	TOTALS		
COUNT	84139.	81787.	165926.		
VOLUME	83599.	79467.	163066.		
CHANGE	-540.	-2320.	-2860.		
%	99.	97.	98.		
CORREL.					
COEFF.	0.969	0.946	0.974		
%RMS	24.51	30.11	19.90		
r^2	0.939	0.894	0.950		
GEH	1.3	5.8	5.0		
GEH <5	<7	<10	<12	>12	
#	196	227	240	241	5
%	79.7	92.3	97.6	98.0	2.0

CORDON terminated successfully

Morning Peak Screenline Validation Output Files – Heavy Vehicle

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+-----+
| 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 : 07-NOV-14 | RACKS TR |
| TRACKS T | Time run : 09:44:10 | TRACKS T |
| TRACKS | Platform : Win 95/NT | TRACKS |
| S TRACKS+-----+S TRACKS |
| KS TRACKS TRACKS TRACKS TRACKS TRACKS TRACKS |
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| at : Rata St, Christchurc
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| Build Date : 27/01/14 14:11
| Parameter version : V7.00
|
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Network Period Factor : 1.000

Cordon Period Factor : 1.000

GEH Period Factor : 2.000

CSV Output File :

Cordon Data File : "AMP_RTH.DAT"
 Loaded Network : "WL13B0AHVDB0.NL"
 27830 Links in network

Cordon Number : 1

Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
5765	5497	133.	178	45.	133.8	2.6	184.	173	-11.	94.0	0.6	317.	351	34.	110.7	*Ngaruawahia Bridge (Generalised HVY Percentage)
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	66.	56	-10.	84.8	0.9	48.	54	6.	112.5	0.6	114.	110	-4.	96.5	*Bridge St Anglesea to Victoria 109
3509	3670	181.	117	-64.	64.6	3.7	173.	113	-60.	65.3	3.6	354.	230	-124.	65.0	Cobham Dr Bridge RSI 18 SBD
10685	6307	43.	46	3.	107.0	0.4	20.	46	26.	230.0	3.2	63.	92	29.	146.0	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	144.	165	21.	114.6	1.1	11.	27	16.	245.5	2.7	155.	192	37.	123.9	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	50.	98	48.	196.0	3.9	40.	96	56.	240.0	4.8	90.	194	104.	215.6	*Shakespeare Bridge (Cambridge)
4408	8402	48.	56	8.	116.7	0.8	99.	57	-42.	57.6	3.4	147.	113	-34.	76.9	01N00702 Control Gates Bridge (Taupo) (Generalised HVY Percentage)
2607	9841	10.	11	1.	110.0	0.0	13.	11	-2.	84.6	0.4	23.	22	-1.	95.7	Maungatautari Road - North of Hydro Road (Generalised HVY Percentage)
8992	8424	24.	22	-2.	91.7	0.3	19.	21	2.	110.5	0.3	43.	43	0.	100.0	03200028 230m before Whakamaru Dam
8929	8958	32.	66	34.	206.2	3.4	44.	80	36.	181.8	3.2	76.	146	70.	192.1	SH1 - south of SH30

Number of links = 10 Number of forward links = 10 Number of back links = 10

TOTALS	FORWARD	BACK	TOTALS
COUNT	731.	651.	1382.
VOLUME	815.	678.	1493.
CHANGE	84.	27.	111.
%	111.	104.	108.
CORREL.			
COEFF.	0.841	0.851	0.836
%RMS	46.05	53.44	45.53
r^2	0.707	0.725	0.698
GEH	2.1	0.8	2.1
GEH <5	<7.5	<10	<12
#	20	20	20
%	100.0	100.0	100.0

Cordon Number : 2

Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
2732	4872	90.	83	-7.	92.2	0.6	101.	85	-16.	84.2	1.2	191.	168	-23.	88.0	00300029- 350m Nth of Saint Ledger Rd	
9936	8270	33.	64	31.	193.9	3.3	43.	63	20.	146.5	2.0	76.	127	51.	167.1	03900052 - SH39 sth of Hanning Piongia	
8298	10783	31.	33	2.	106.5	0.3	11.	32	21.	290.9	3.4	42.	65	23.	154.8	02300037 - SH23 90m East of Wrights Road	
10323	9789	228.	245	17.	107.5	0.7	238.	238	0.	100.0	0.0	466.	483	17.	103.6	SH1 sth of Tregoweth Huntly	
9911	2711	4.	14	10.	350.0	2.4	4.	13	9.	325.0	2.0	8.	27	19.	337.5	Waingaro Road	
2852	5739	16.	16	0.	100.0	0.0	17.	16	-1.	94.1	0.0	33.	32	-1.	97.0	Hakarimata Rd	
8193	10781	6.	32	26.	533.3	4.2	4.	32	28.	800.0	4.7	10.	64	54.	640.0	Orini Rd	
9922	10782	26.	32	6.	123.1	0.8	22.	33	11.	150.0	1.4	48.	65	17.	135.4	Whitikahu Rd	
5650	10786	5.	39	34.	780.0	5.2	4.	39	35.	975.0	5.2	9.	78	69.	866.7	Scotsman Valley Rd	
9924	9863	112.	132	20.	117.9	1.3	69.	132	63.	191.3	4.5	181.	264	83.	145.9	02600023 150m East of Piako Road	
6597	10788	174.	205	31.	117.8	1.5	144.	186	42.	129.2	2.3	318.	391	73.	123.0	01N00580	
9841	2607	13.	11	-2.	84.6	0.4	9.	11	2.	122.2	0.5	22.	22	0.	100.0	Maungatautari Road - North of Hydro Road	
4877	6075	20.	41	21.	205.0	2.6	14.	42	28.	300.0	3.7	34.	83	49.	244.1	Golf Road - West Flat Roads	
8438	10243	9.	10	1.	111.1	0.5	7.	9	2.	128.6	0.5	16.	19	3.	118.8	Pokuru Road	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	767.	687.	1454.
VOLUME	957.	931.	1888.
CHANGE	190.	244.	434.
%	125.	136.	130.
CORREL.			
COEFF.	0.983	0.956	0.975
%RMS	36.08	56.05	43.80
r^2	0.967	0.914	0.951
GEH	4.6	6.1	7.5
GEH <5	<7.5	<10	<12
#	26	28	28
%	92.9	100.0	100.0

Cordon Number : 3

Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME			CHANGE	%
9110	10206	63.	104	41.	165.1	3.3	56.	92	36.	164.3	3.0	119.	196	77.	164.7	SH5 - sth of Maraeroa Rd Rotorua	(Generalised HVY Percentage)
4051	8384	79.	48	-31.	60.8	2.7	50.	46	-4.	92.0	0.4	129.	94	-35.	72.9	03000141 - 155m before Gun Club Road	
8518	8274	16.	16	0.	100.0	0.0	21.	18	-3.	85.7	0.3	37.	34	-3.	91.9	SH1 sth of Taupahi Turangi	(Generalised HVY Percentage)
10323	9789	229.	245	16.	107.0	0.7	253.	238	-15.	94.1	0.6	482.	483	1.	100.2	SH1 sth of Tregoweth Huntly	
9911	2711	4.	14	10.	350.0	2.4	4.	13	9.	325.0	2.0	8.	27	19.	337.5	Waingaro Road	
2852	5739	16.	16	0.	100.0	0.0	17.	16	-1.	94.1	0.0	33.	32	-1.	97.0	Hakarimata Rd	
9962	10693	14.	17	3.	121.4	0.4	8.	17	9.	212.5	1.6	22.	34	12.	154.5	Tahuna Rd east of Rutherford Rd	
9950	8301	2.	17	15.	850.0	3.3	3.	17	14.	566.7	3.3	5.	34	29.	680.0	Taniwha Rd nth of Waiterimu Rd	
8549	4246	37.	51	14.	137.8	1.5	36.	44	8.	122.2	0.9	73.	95	22.	130.1	00500138 278m past crown road (Taupo)	
8792	8552	40.	38	-2.	95.0	0.2	38.	39	1.	102.6	0.0	78.	77	-1.	98.7	00500125 98m before SH1 (Wairakei)	
8779	8959	9.	4	-5.	44.4	1.2	6.	3	-3.	50.0	1.4	15.	7	-8.	46.7	04100029 50m East of Moerangi Road	
8522	8273	4.	11	7.	275.0	1.6	13.	17	4.	130.8	0.8	17.	28	11.	164.7	04700046 242m before SH41	
8449	9737	53.	43	-10.	81.1	1.0	62.	50	-12.	80.6	1.1	115.	93	-22.	80.9	02700011 Kaihere - Telemetry Site 33	
10167	8179	26.	21	-5.	80.8	0.9	52.	21	-31.	40.4	3.8	78.	42	-36.	53.8	02600055 515m nth of Patuwahao Stream Bridge	
9145	3918	185.	170	-15.	91.9	0.7	160.	166	6.	103.8	0.3	345.	336	-9.	97.4	02900034 Kaimai - Telemetry Site 12 -1	
8989	8810	88.	60	-28.	68.2	2.3	70.	61	-9.	87.1	0.9	158.	121	-37.	76.6	00500082 520m sth of ERP 7713.70 Waitapu	
9550	9831	14.	16	2.	114.3	0.4	6.	16	10.	266.7	2.1	20.	32	12.	160.0	03000035 918m past Manaiti Street (Bennydale)	
3497	10125	83.	98	15.	118.1	1.2	104.	100	-4.	96.2	0.3	187.	198	11.	105.9	00300066 800m past SH 37 (Waitomo Road)	
3506	8271	11.	5	-6.	45.5	1.6	5.	5	0.	100.0	0.0	16.	10	-6.	62.5	03100022 500m west of Ngutunui Road	
8298	10783	31.	33	2.	106.5	0.3	13.	32	19.	246.2	3.0	44.	65	21.	147.7	02300037 - SH23 West of Heddon Ragian	(Generalised HVY Percentage)

Number of links = 20 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	1004.	977.	1981.
VOLUME	1027.	1011.	2038.
CHANGE	23.	34.	57.
%	102.	103.	103.
CORREL.			
COEFF.	0.966	0.975	0.977
%RMS	32.02	28.54	26.56
r^2	0.932	0.951	0.954
GEH	0.5	0.8	0.9
GEH <5	<7.5	<10	<12
#	40	40	40
%	100.0	100.0	100.0

Cordon Number : 4

Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD					BACK					TOTAL				Description		
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%			
5452	10678	37.	48	11.	129.7	1.3	52.	48	-4.	92.3	0.4	89.	96	7.	107.9	02600009	700m east of Platt Rd	(Generalised HVY Percentage)
5614	5613	33.	46	13.	139.4	1.6	20.	49	29.	245.0	3.4	53.	95	42.	179.2	01B00015	500m past Gordonton Rd/Taylor	
5485	2822	20.	51	31.	255.0	3.6	26.	48	22.	184.6	2.6	46.	99	53.	215.2	01B00024	100m past Holland Rd Intersection	
4800	4799	216.	182	-34.	84.3	1.7	223.	178	-45.	79.8	2.2	439.	360	-79.	82.0	01N00529	100m sth of Hopu Hopu Rail Bridge	(Generalised HVY Percentage)
5849	5690	139.	118	-21.	84.9	1.2	95.	135	40.	142.1	2.6	234.	253	19.	108.1	01N00563	120m sth of Pickering Rd	(Generalised HVY Percentage)
4111	10565	36.	45	9.	125.0	0.9	44.	45	1.	102.3	0.0	80.	90	10.	112.5	02600002	875m west of Lisette Rd	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	481.	460.	941.
VOLUME	490.	503.	993.
CHANGE	9.	43.	52.
%	102.	109.	106.
CORREL.			
COEFF.	0.993	0.933	0.984
%RMS	30.19	41.11	30.34
r^2	0.986	0.871	0.968
GEH	0.3	1.4	1.2
GEH <5	<7.5	<10	<12
#	12	12	12
%	100.0	100.0	100.0

Cordon Number : 5
 Description : *screenline 5 - North

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
8305	8830	34.	55	21.	161.8	2.1	40.	45	5.	112.5	0.4	74.	100	26.	135.1	00200052 650m past Orchard Rd	(Generalised HVY Percentage)
3384	8873	70.	56	-14.	80.0	1.2	53.	46	-7.	86.8	0.6	123.	102	-21.	82.9	00200066 986m past of Awaiti Rd	
8720	8320	101.	86	-15.	85.1	1.0	82.	97	15.	118.3	1.0	183.	183	0.	100.0	00200091 Waihi - Telemetry Site 34 - E	
8306	8739	47.	36	-11.	76.6	1.1	61.	37	-24.	60.7	2.4	108.	73	-35.	67.6	02500021 335m before Hauraki Rd	
3163	3590	8.	7	-1.	87.5	0.5	6.	6	0.	100.0	0.0	14.	13	-1.	92.9	02500098 12m before 1st Abut Opononui	
9162	8871	32.	27	-5.	84.4	0.8	17.	28	11.	164.7	1.8	49.	55	6.	112.2	02500240 nth of Gladestone Rd	
8872	2948	31.	25	-6.	80.6	0.8	16.	25	9.	156.2	1.3	47.	50	3.	106.4	02600075 380m past Komata River Bridge	
8449	9737	53.	43	-10.	81.1	1.0	62.	50	-12.	80.6	1.1	115.	93	-22.	80.9	02700011 Kaihere - Telemetry Site 33	
13522	13646	174.	213	39.	122.4	1.9	172.	205	33.	119.2	1.7	346.	418	72.	120.8	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road	
8309	8855	38.	18	-20.	47.4	2.7	31.	20	-11.	64.5	1.4	69.	38	-31.	55.1	25A00024 Hkuae - Telemetry Site 76	(Generalised HVY Percentage)
9559	9719	87.	112	25.	128.7	1.8	74.	132	58.	178.4	4.0	161.	244	83.	151.6	00200033 By RS peg 32/1	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	675.	614.	1289.
VOLUME	678.	691.	1369.
CHANGE	3.	77.	80.
%	100.	113.	106.
CORREL.			
COEFF.	0.962	0.937	0.962
%RMS	31.31	43.13	34.03
r^2	0.925	0.879	0.925
GEH	0.1	2.1	1.6
GEH <5	<7.5	<10	<12
#	22	22	22
%	100.0	100.0	100.0

Cordon Number : 6
 Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
9387	8328	185.	161	-24.	87.0	1.3	161.	155	-6.	96.3	0.3	346.	316	-30.	91.3	00200141 near Tga RSI Site 23	
9145	3918	185.	170	-15.	91.9	0.7	160.	166	6.	103.8	0.3	345.	336	-9.	97.4	02900034 Kaimai - Telemetry Site 12 - 1	
9138	10815	23.	13	-10.	56.5	1.7	35.	13	-22.	37.1	3.2	58.	26	-32.	44.8	03600012 760m sth of Williams Rd	
10798	10800	149.	176	27.	118.1	1.6	106.	162	56.	152.8	3.4	255.	338	83.	132.5	00200187 Near Tga RSI Site 21	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	542.	462.	1004.
VOLUME	520.	496.	1016.
CHANGE	-22.	34.	12.
%	96.	107.	101.
CORREL.			
COEFF.	0.958	0.896	0.935
%RMS	17.20	30.37	21.69
r^2	0.918	0.802	0.875
GEH	0.7	1.1	0.3
GEH <5	<7.5	<10	<12
#	8	8	8
%	100.0	100.0	100.0

Cordon Number : 7

Description : *screenline 7 - South

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
10727	8529	12.	7	-5.	58.3	1.4	6.	7	1.	116.7	0.0	18.	14	-4.	77.8	03200074 west of Taupo - Telemetry Site
4558	8578	44.	45	1.	102.3	0.0	64.	52	-12.	81.2	1.1	108.	97	-11.	89.8	01N00729 Halletts Bay - Telemetry Site
8740	4352	31.	30	-1.	96.8	0.0	25.	28	3.	112.0	0.6	56.	58	2.	103.6	01N00705 100m nth of SH5 (East to Napi)
8932	8740	48.	26	-22.	54.2	2.6	28.	26	-2.	92.9	0.3	76.	52	-24.	68.4	01N00706 300m Sth of SH5
8635	8551	37.	13	-24.	35.1	3.5	21.	15	-6.	71.4	1.0	58.	28	-30.	48.3	01N00700 at RS peg 606/5.07
4408	8402	48.	56	8.	116.7	0.8	93.	57	-36.	61.3	3.0	147.	113	-34.	76.9	01N00702 Control Gates Bridge (Taupo)
8549	4246	37.	51	14.	137.8	1.5	37.	44	7.	118.9	0.9	74.	95	21.	128.4	00500138 278m past Crown Rd (Taupo)

(Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	257.	274.	537.
VOLUME	228.	229.	457.
CHANGE	-29.	-45.	-80.
%	89.	84.	85.
CORREL.			
COEFF.	0.651	0.918	0.880
%RMS	40.81	40.92	30.17
r^2	0.424	0.843	0.774
GEH	1.3	2.1	2.5
GEH <5	<7.5	<10	<12
#	14	14	14
%	100.0	100.0	100.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	% GEH	COUNT	VOLUME	CHANGE	% GEH	COUNT	VOLUME	CHANGE	%			
9521	10776	62.	96	34.	154.8	2.7	67.	97	30.	144.8	2.4	129.	193	64.	149.6	00300038 335m nth of Wharepuhanga Road (Generalised HVY Percentage)
3497	10125	83.	98	15.	118.1	1.2	102.	100	-2.	98.0	0.1	185.	198	13.	107.0	00300066 800m past State Highway 37 (Waitomo Rd)
10193	8493	39.	49	10.	125.6	1.1	25.	39	14.	156.0	1.8	64.	88	24.	137.5	00500000 217m past SH1 (Tirau)
8989	8810	89.	60	-29.	67.4	2.3	70.	61	-9.	87.1	0.9	159.	121	-38.	76.1	00500082 520M Sth of ERP 77/3.70, Waiotapu
10192	8565	144.	113	-31.	78.5	2.0	130.	126	-4.	96.9	0.2	274.	239	-35.	87.2	01N00620 Lichfield Telemetry Site 21 sth of Baldwi
10158	10169	143.	98	-45.	68.5	2.8	119.	98	-21.	82.4	1.4	262.	196	-66.	74.8	02400001 120m East of Tower Road RAB
9264	9924	43.	53	10.	123.3	1.0	37.	53	16.	143.2	1.7	80.	106	26.	132.5	02600022 855m West of Piako Road (Motumaoho)
10167	8179	26.	21	-5.	80.8	0.9	52.	21	-31.	40.4	3.8	78.	42	-36.	53.8	02600055 515m Nth of Patuwahao Stream Bridge
9850	9592	154.	92	-62.	59.7	4.0	143.	93	-50.	65.0	3.3	297.	185	-112.	62.3	02700065 200m sth of Matamata Airport Entrance
9573	9842	53.	29	-24.	54.7	2.7	50.	32	-18.	64.0	2.0	103.	61	-42.	59.2	02700083 320m past SH29 (Generalised HVY Percentage)
9126	9119	30.	41	11.	136.7	1.2	53.	42	-11.	79.2	1.0	83.	83	0.	100.0	02800000 163m past SH1 (Putaruru)
9655	9515	67.	84	17.	125.4	1.5	48.	88	40.	183.3	3.4	115.	172	57.	149.6	02800009 245m past SH5 (Whites Road)
9885	9544	79.	65	-14.	82.3	1.2	66.	59	-7.	89.4	0.7	145.	124	-21.	85.5	02900057 450m East of McNab Road
9854	9873	96.	84	-12.	87.5	0.9	63.	79	16.	125.4	1.4	159.	163	4.	102.5	02900069 200m sth of Totman Road
9550	9831	14.	16	2.	114.3	0.4	6.	16	10.	266.7	2.1	20.	32	12.	160.0	03000035 918m past Manaiti St (Bennydale)
8527	8528	22.	41	19.	186.4	2.3	54.	40	-14.	74.1	1.4	76.	81	5.	106.6	03000110 133m past SH
4051	8384	75.	48	-27.	64.0	2.4	45.	46	1.	102.2	0.2	120.	94	-26.	78.3	03000141 155m before Gun Club Rd
3506	8271	9.	5	-4.	55.6	1.2	5.	5	0.	100.0	0.0	14.	10	-4.	71.4	03100022 500m West of Ngutunui Rd
8992	8424	24.	22	-2.	91.7	0.3	19.	21	2.	110.5	0.3	43.	43	0.	100.0	03200028 230m before Whakamaru Dam
9689	9691	No Forward Link Present .					192.	195	3.	101.6	0.1	192.	195	3.	101.6	01N00509 685m sth of Tahuna Overbridge Rangiriri SN
9685	9629	199.	207	8.	104.0	0.4	No Back Link Present .				199.	207	8.	104.0	01N00509 685m sth of Tahuna Overbridge Rangiriri NB	

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	1451.	1346.	2797.
VOLUME	1322.	1311.	2633.
CHANGE	-129.	-35.	-164.
%	91.	97.	94.
CORREL.			
COEFF.	0.890	0.905	0.869
%RMS	34.32	30.52	30.40
r^2	0.792	0.819	0.755
GEH	2.4	0.7	2.2
GEH <5	<7.5	<10	<12
#	40	40	40
%	100.0	100.0	100.0
			0.0

Cordon Number : 9

Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
7164	5645	45.	11	-34.	24.4	4.6	39.	12	-27.	30.8	3.7	84.	23	-61.	27.4	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	68.	53	-15.	77.9	1.5	58.	41	-17.	70.7	1.8	126.	94	-32.	74.6	Te Kowhai Rd East of Tasman Rd 166
3476	4904	68.	30	-38.	44.1	3.8	25.	33	8.	132.0	1.1	93.	63	-30.	67.7	Forest lake Rd railway underpass 63/64
3456	4721	87.	64	-23.	73.6	1.8	40.	62	22.	155.0	2.2	127.	126	-1.	99.2	Norton Rd at railway 718 11 May
5199	2654	46.	29	-17.	63.0	2.1	60.	29	-31.	48.3	3.4	106.	58	-48.	54.7	Killarney Rd Railway crossing 1419-Nov
3175	4709	210.	131	-79.	62.4	4.3	209.	125	-84.	59.8	4.6	419.	256	-163.	61.1	01N00552 120m east of Railway Crossing
3168	4788	3.	6	3.	200.0	1.4	15.	6	-9.	40.0	1.8	18.	12	-6.	66.7	Collins Rd railway crossing 149

(Generalised HVY Percentage)

(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	527.	446.	973.
VOLUME	324.	308.	632.
CHANGE	-203.	-138.	-341.
%	61.	69.	65.
CORREL.			
COEFF.	0.969	0.908	0.959
%RMS	53.94	62.99	54.60
r^2	0.940	0.825	0.920
GEH	6.9	5.0	8.5
GEH <5 <7.5 <10 <12 >12			
#	14	14	14
%	100.0	100.0	100.0

Cordon Number : 10

Description : *screenline 10 Hamilton Bridge

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	66.	56	-10.	84.8	0.9	48.	54	6.	112.5	0.6	114.	110	-4.	96.5	*Bridge St Anglesea to Victoria 109
3509	3670	196.	117	-79.	59.7	4.5	155.	113	-42.	72.9	2.6	352.	230	-122.	65.3	Cobham Drive Bridge RSI 18 SBD

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	262.	203.	466.
VOLUME	173.	167.	340.
CHANGE	-89.	-36.	-126.
%	66.	82.	73.
CORREL.			
COEFF.	1.000	1.000	1.000
%RMS	60.79	41.80	52.39
r^2	1.000	1.000	1.000
GEH	4.3	1.9	4.4
GEH <5 <7.5 <10 <12 >12			
#	4	4	4
%	100.0	100.0	100.0

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		
4111	10565	36.	45	9.	125.0	0.9	48.	45	-3.	93.8	0.4	84.	90	6.	107.1	0.2600002 875m West of Lisette Road	(Generalised HVY Percentage)
2967	7790	7.	1	-6.	14.3	2.4	10.	1	-9.	10.0	3.2	17.	2	-15.	11.8	Powells Rd btw Alderson&Raymond S309	
10696	10598	26.	33	7.	126.9	0.8	13.	34	21.	261.5	3.2	39.	67	28.	171.8	Puketaha Rd	
3921	3920	20.	50	30.	250.0	3.6	33.	51	18.	154.5	2.0	53.	101	48.	190.6	Ruakura Rd East of Silverdale 155	
7789	8078	5.	2	-3.	40.0	0.8	7.	2	-5.	28.6	1.4	12.	4	-8.	33.3	Fairview St btw Wattle&Radiata S307	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	94.	111.	205.
VOLUME	131.	133.	264.
CHANGE	37.	22.	59.
%	139.	120.	129.
CORREL.			
COEFF.	0.847	0.810	0.869
%RMS	87.20	66.81	71.24
r^2	0.718	0.656	0.756
GEH	2.4	1.4	2.8
GEH <5	<7.5	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		
3938	7174	44.	14	-30.	31.8	3.9	31.	17	-14.	54.8	2.1	75.	31	-44.	41.3	Pukete Rd btw Cullimore&Wairere 255	
3503	2767	62.	30	-32.	48.4	3.3	40.	24	-16.	60.0	2.0	102.	54	-48.	52.9	Resolution Dr Nth of Wairere Dr 188	
3558	3557	35.	19	-16.	54.3	2.2	33.	20	-13.	60.6	1.7	68.	39	-29.	57.4	Hukanui Rd Nth of Wairere Dr 264/416	
3932	4978	128.	57	-71.	44.5	5.3	138.	61	-77.	44.2	5.5	266.	118	-148.	44.4	Gordonton Rd btw Crosby&Greenhill	
5510	2822	60.	26	-34.	43.3	3.7	50.	27	-23.	54.0	2.8	110.	53	-57.	48.2	Holland Rd btw Ruakura&SH1B	
5485	2822	18.	51	33.	283.3	3.9	24.	48	24.	200.0	2.8	42.	99	57.	235.7	01B00024 100m past Holland Road Intersection	
5195	6838	18.	3	-15.	16.7	3.6	12.	3	-9.	25.0	2.7	30.	6	-24.	20.0	Totara Dr - Nth Delamare Rd S325	
4745	4746	1.	2	1.	200.0	1.4	1.	2	1.	200.0	1.4	2.	4	2.	200.0	Delamare Rd - North Wairere Dr	

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	366.	329.	695.
VOLUME	202.	202.	404.
CHANGE	-164.	-127.	-291.
%	55.	61.	58.
CORREL.			
COEFF.	0.664	0.796	0.736
%RMS	81.33	80.84	80.30
r^2	0.441	0.634	0.542
GEH	6.9	5.5	8.8
GEH <5	<7.5	<10	<12
#	14	16	16
%	87.5	100.0	100.0

Cordon Number : 13

Description : *screenline 13 - South HCC

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
3339	3735	54.	54	0.	100.0	0.0	40.	53	13.	132.5	1.3	94.	107	13.	113.8	Tuhikaramea Rd by speed limit sign 752
4761	5535	125.	88	-37.	70.4	2.5	69.	83	14.	120.3	1.1	194.	171	-23.	88.1	Ohaupo Rd north of Normandy Ave
4847	8214	101.	30	-71.	29.7	6.1	48.	35	-13.	72.9	1.5	149.	65	-84.	43.6	Normandy Ave north of Bader St
3587	4157	207.	145	-62.	70.0	3.3	147.	163	16.	110.9	0.9	354.	308	-46.	87.0	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	6.	8	2.	133.3	0.5	13.	10	-3.	76.9	0.4	19.	18	-1.	94.7	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	493.	317.	810.
VOLUME	325.	344.	669.
CHANGE	-168.	27.	-141.
%	66.	109.	83.
CORREL.			
COEFF.	0.919	0.984	0.954
%RMS	51.36	22.29	30.66
r^2	0.844	0.968	0.910
GEH	5.9	1.1	3.7
GEH <5	<7.5	<10	<12
#	9	10	10
%	90.0	100.0	100.0

Cordon Number : 14

Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4449	4470	59.	66	7.	111.9	0.7	49.	66	17.	134.7	1.7	108.	132	24.	122.2	Victoria Road (Taylor/Hautapu)
5400	5929	13.	1	-12.	7.7	3.5	16.	1	-15.	6.2	4.0	29.	2	-27.	6.9	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	104.	118	14.	113.5	0.9	95.	135	40.	142.1	2.6	199.	253	54.	127.1	01N00563 - SH1N 120m south of Pickering Road (Generalised HVY Percentage)

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	176.	160.	336.
VOLUME	185.	202.	387.
CHANGE	9.	42.	51.
%	105.	126.	115.
CORREL.			
COEFF.	0.998	0.997	0.998
%RMS	23.77	60.96	41.02
r^2	0.997	0.994	0.996
GEH	0.4	2.2	1.9
GEH <5	<7.5	<10	<12
#	6	6	6
%	100.0	100.0	100.0

Cordon Number : 15

Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
4861	10684	110.	92	-18.	83.6	1.3	63.	93	30.	147.6	2.4	173.	185	12.	106.9	00300012 1510 past SH21 Airport Road	(Generalised HVY Percentage)
6075	10261	25.	11	-14.	44.0	2.4	20.	11	-9.	55.0	1.8	45.	22	-23.	48.9	18000m Cambridge Rd Rural	
5419	10253	74.	21	-53.	28.4	5.6	30.	22	-8.	73.3	1.1	104.	43	-61.	41.3	Alexandra Street 186	
2732	4872	90.	83	-7.	92.2	0.6	101.	85	-16.	84.2	1.2	191.	168	-23.	88.0	00300029 350m Nth of Saint Ledger Road	

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

TOTALS FORWARD BACK TOTALS

COUNT	299.	214.	513.
VOLUME	207.	211.	418.
CHANGE	-92.	-3.	-95.
%	69.	99.	81.

CORREL.

COEFF.	0.870	0.870	0.946
%RMS	44.89	38.92	31.59
r^2	0.757	0.757	0.895
GEH	4.1	0.2	3.1

GEH	<5	<7.5	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 16

Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
12430	12431	229.	325	96.	141.9	4.1	No Back Link Present .					229.	325	96.	141.9	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72	
12388	12387	No Forward Link Present .					245.	306	61.	124.9	2.6	245.	306	61.	124.9	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72	
13603	13674	160.	205	45.	128.1	2.3	168.	197	29.	117.3	1.5	328.	402	74.	122.6	SH2 Interchange NB SB	
11582	8693	143.	107	-36.	74.8	2.3	146.	125	-21.	85.6	1.3	289.	232	-57.	80.3	00200002 Maungatawhiri - Telemetry Site	(Generalised HVY Percentage)

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS FORWARD BACK TOTALS

COUNT	532.	559.	1091.
VOLUME	637.	628.	1265.
CHANGE	105.	69.	174.
%	120.	112.	116.

CORREL.

COEFF.	0.962	0.981	0.349
%RMS	44.65	26.84	31.15
r^2	0.925	0.963	0.122
GEH	3.0	2.0	3.6

GEH	<5	<7.5	<10	<12	>12
#	6	6	6	6	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 17

Description : *screenline 17 Crossing btw Waikato and

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8666	8698	129.	99	-30.	76.7	2.0	75.	90	15.	120.0	1.2	204.	189	-15.	92.6	00200106 500m East of Athenree Road
9145	3918	185.	170	-15.	91.9	0.7	160.	166	6.	103.8	0.3	345.	336	-9.	97.4	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	64.	104	40.	162.5	3.1	55.	92	37.	167.3	3.1	119.	196	77.	164.7	00500034 - SH5 sth of Maraeroa Rotorua (Generalised HVY Percentage)
4051	8384	76.	48	-28.	63.2	2.5	46.	46	0.	100.0	0.0	122.	94	-28.	77.0	03000141 155m before Gun Club Road
8989	8810	90.	60	-30.	66.7	2.4	71.	61	-10.	85.9	0.9	161.	121	-40.	75.2	00500082 520m sth of ERP 7713.70 Waiotapu

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	544.	407.	951.
VOLUME	481.	455.	936.
CHANGE	-63.	48.	-15.
%	88.	112.	98.
CORREL.			
COEFF.	0.808	0.925	0.878
%RMS	30.51	25.55	24.41
r^2	0.653	0.855	0.770
GEH	2.0	1.6	0.3
GEH <5	<7.5	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 18

Description : *screenline 18 North Waikato Lateral

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10167	8179	26.	21	-5.	80.8	0.9	52.	21	-31.	40.4	3.8	78.	42	-36.	53.8	02600055 515m nth of Patuwahao Stream Bridge
9950	8301	2.	17	15.	850.0	3.3	3.	17	14.	566.7	3.3	5.	34	29.	680.0	Taniwha Rd nth of Waiterimu Rd
8449	9737	53.	43	-10.	81.1	1.0	62.	50	-12.	80.6	1.1	115.	93	-22.	80.9	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					179.	195	16.	108.9	0.8	179.	195	16.	108.9	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	174.	207	33.	119.0	1.6	No Back Link Present .					174.	207	33.	119.0	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	255.	296.	551.
VOLUME	288.	283.	571.
CHANGE	33.	-13.	20.
%	113.	96.	104.
CORREL.			
COEFF.	0.987	0.967	0.927
%RMS	34.35	30.79	28.57
r^2	0.974	0.935	0.860
GEH	1.5	0.6	0.6
GEH <5	<7.5	<10	<12
#	8	8	8
%	100.0	100.0	100.0

Cordon Number : 19

Description : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8854	8642	23.	18	-5.	78.3	0.6	32.	20	-12.	62.5	1.7	55.	38	-17.	69.1	02500177 Swampy Stream Bridge
8832	9232	38.	16	-22.	42.1	3.0	19.	16	-3.	84.2	0.3	57.	32	-25.	56.1	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS FORWARD BACK TOTALS

COUNT	61.	51.	112.
VOLUME	34.	36.	70.
CHANGE	-27.	-15.	-42.
%	56.	71.	62.

CORREL.

COEFF.	-1.000	1.000	-1.000
%RMS	73.97	48.51	53.99
r^2	1.000	1.000	1.000
GEH	2.7	1.5	3.1

GEH	<5	<7.5	<10	<12	>12
#	4	4	4	4	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 20

Description : *screenline 20 - Southern Links

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4773	4566	2.	40	38.	*****	5.9	4.	39	35.	975.0	5.2	6.	79	73.	*****	Gillard Rd South Fletcher Road
2917	3157	78.	92	14.	117.9	1.1	93.	92	-1.	98.9	0.0	171.	184	13.	107.6	00300003 - 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	1.	0	-1.	0.0	0.0	1.	0	-1.	0.0	Peacockes Rd North Stubbs Rd
4134	4926	15.	5	-10.	33.3	2.4	10.	4	-6.	40.0	1.6	25.	9	-16.	36.0	Newell Rd
2786	3907	166.	140	-26.	84.3	1.5	183.	158	-25.	86.3	1.3	350.	298	-52.	85.1	01N00559 - 355m past Cherry Lane (Tamahere Motels)

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

TOTALS FORWARD BACK TOTALS

COUNT	261.	291.	553.
VOLUME	277.	293.	570.
CHANGE	16.	2.	17.
%	106.	101.	103.

CORREL.

COEFF.	0.940	0.971	0.961
%RMS	43.49	37.33	41.58
r^2	0.883	0.943	0.923
GEH	0.7	0.1	0.5

GEH	<5	<7.5	<10	<12	>12
#	7	9	9	9	0
%	77.8	100.0	100.0	100.0	0.0

Cordon Number : 21
 Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
13603	13674	160.	205	45.	128.1	2.3	168.	197	29.	117.3	1.5	328.	402	74.	122.6	SH2 Interchange NB SB
11582	8693	143.	107	-36.	74.8	2.3	146.	125	-21.	85.6	1.3	289.	232	-57.	80.3	00200002 Maungatawhiri - Telemetry Site 74 00200002
12430	12431	229.	325	96.	141.9	4.1	No Back Link Present .				229.	325	96.	141.9	01N10474 (NB) 02N20474 Bombay - Telemetry Site 7	
12388	12387	No Forward Link Present .					245.	306	61.	124.9	2.6	245.	306	61.	124.9	01N10474 (SB) 01N20474 Bombay - Telemetry Site 7
8854	8642	23.	18	-5.	78.3	0.6	32.	20	-12.	62.5	1.7	55.	38	-17.	69.1	02500177 Swampy Stream Bridge
8832	9232	38.	16	-22.	42.1	3.0	19.	16	-3.	84.2	0.3	57.	32	-25.	56.1	02500036 Speed Restriction Sign (Whakatete Bay Sth
8305	8830	34.	55	21.	161.8	2.1	40.	45	5.	112.5	0.4	74.	100	26.	135.1	00200052 650m past Orchard Rd
3384	8873	70.	56	-14.	80.0	1.2	53.	46	-7.	86.8	0.6	123.	102	-21.	82.9	00200066 986m past of Awaiti Rd
8720	8320	101.	86	-15.	85.1	1.0	82.	97	15.	118.3	1.0	183.	183	0.	100.0	00200091 Waihi - Telemetry Site 34 - E
8306	8739	47.	36	-11.	76.6	1.1	61.	37	-24.	60.7	2.4	108.	73	-35.	67.6	02500021 335m before Hauraki Rd
3163	3590	8.	7	-1.	87.5	0.5	6.	6	0.	100.0	0.0	14.	13	-1.	92.9	02500098 12m before 1st Abut Oritonui
9162	8871	32.	27	-5.	84.4	0.8	17.	28	11.	164.7	1.8	49.	55	6.	112.2	02500240 nth of Gladestone Rd
8872	2948	31.	25	-6.	80.6	0.8	16.	25	9.	156.2	1.3	47.	50	3.	106.4	02600075 380m past Komata River Bridge
8449	9737	53.	43	-10.	81.1	1.0	62.	50	-12.	80.6	1.1	115.	93	-22.	80.9	02700011 Kaihere - Telemetry Site 33
13522	13646	174.	213	39.	122.4	1.9	172.	205	33.	119.2	1.7	346.	418	72.	120.8	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road
8309	8855	38.	18	-20.	47.4	2.7	31.	20	-11.	64.5	1.4	69.	38	-31.	55.1	25A00024 Hkuae - Telemetry Site 76
9559	9719	87.	112	25.	128.7	1.8	74.	132	58.	178.4	4.0	161.	244	83.	161.6	00200033 By RS peg 32/1
10167	8179	26.	21	-5.	80.8	0.9	52.	21	-31.	40.4	3.8	78.	42	-36.	53.8	02600055 515m nth of Patuwahao Stream Bridge
9950	8301	2.	17	15.	850.0	3.3	3.	17	14.	566.7	3.3	5.	34	29.	680.0	Taniwha Rd nth of Waiterimu Rd
9689	9691	No Forward Link Present .					179.	195	16.	108.9	0.8	179.	195	16.	108.9	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	174.	207	33.	119.0	1.6	No Back Link Present .				174.	207	33.	119.0	01N00509 685m sth of Tahuna Overbridge Rangiriri NB	
9110	10206	63.	104	41.	165.1	3.3	56.	92	36.	164.3	3.0	119.	196	77.	164.7	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	79.	48	-31.	60.8	2.7	50.	46	-4.	92.0	0.4	129.	94	-35.	72.9	03000141 - 155m before Gun Club Road
8518	8274	16.	16	0.	100.0	0.0	21.	18	-3.	85.7	0.3	37.	34	-3.	91.9	SH1 sth of Taupahi Turangi
10323	9789	229.	245	16.	107.0	0.7	253.	238	-15.	94.1	0.6	482.	483	1.	100.2	SH1 sth of Tregoweth Huntly
9911	2711	4.	14	10.	350.0	2.4	4.	13	9.	325.0	2.0	8.	27	19.	337.5	Waingaro Road
2852	5739	16.	16	0.	100.0	0.0	17.	16	-1.	94.1	0.0	33.	32	-1.	97.0	Hakarimata Rd
9962	10693	14.	17	3.	121.4	0.4	8.	17	9.	212.5	1.6	22.	34	12.	154.5	Tahuna Rd east of Rutherford Rd
8549	4246	37.	51	14.	137.8	1.5	36.	44	8.	122.2	0.9	73.	95	22.	130.1	00500138 278m past crown road (Taupo)
8792	8552	40.	38	-2.	95.0	0.2	38.	39	1.	102.6	0.0	78.	77	-1.	98.7	00500125 98m before SH1 (Wairakei)
8779	8959	9.	4	-5.	44.4	1.2	6.	3	-3.	50.0	1.4	15.	7	-8.	46.7	04100029 50m East of Moerangi Road
8522	8273	4.	11	7.	275.0	1.6	13.	17	4.	130.8	0.8	17.	28	11.	164.7	04700046 242m before SH41
8449	9737	53.	43	-10.	81.1	1.0	62.	50	-12.	80.6	1.1	115.	93	-22.	80.9	02700011 Kaihere - Telemetry Site 33
9145	3918	185.	170	-15.	91.9	0.7	160.	166	6.	103.8	0.3	345.	336	-9.	97.4	02900034 Kaimai - Telemetry Site 12 -1
8989	8810	88.	60	-28.	68.2	2.3	70.	61	-9.	87.1	0.9	158.	121	-37.	76.6	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	14.	16	2.	114.3	0.4	6.	16	10.	266.7	2.1	20.	32	12.	160.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	83.	98	15.	118.1	1.2	104.	100	-4.	96.2	0.3	187.	198	11.	105.9	00300066 800m past SH 37 (Waitomo Road)
3506	8271	11.	5	-6.	45.5	1.6	5.	5	0.	100.0	0.0	16.	10	-6.	62.5	03100022 500m west of Ngutunui Road
8298	10783	31.	33	2.	106.5	0.3	13.	32	19.	246.2	3.0	44.	65	21.	147.7	02300037 - SH23 West of Heddon Ragian
2732	4872	90.	83	-7.	92.2	0.6	101.	85	-16.	84.2	1.2	191.	168	-23.	88.0	00300029 - 350m Nth of Saint Ledger Rd
9936	8270	33.	64	31.	193.9	3.3	43.	63	20.	146.5	2.0	76.	127	51.	167.1	03900052 - SH39 sth of Hanning Piongia
8193	10781	6.	32	26.	533.3	4.2	4.	32	28.	800.0	4.7	10.	64	54.	640.0	Orini Rd
9922	10782	26.	32	6.	123.1	0.8	22.	33	11.	150.0	1.4	48.	65	17.	135.4	Whitikahu Rd
5650	10786	5.	39	34.	780.0	5.2	4.	39	35.	975.0	5.2	9.	78	69.	866.7	Scotsman Valley Rd
9924	9863	112.	132	20.	117.9	1.3	69.	132	63.	191.3	4.5	181.	264	83.	145.9	02600023 150m East of Piako Road
6597	10788	174.	205	31.	117.8	1.5	144.	186	42.	129.2	2.3	318.	391	73.	123.0	01N00580
9841	2607	13.	11	-2.	84.6	0.4	9.	11	2.	122.2	0.5	22.	22	0.	100.0	Maungatautari Road - North of Hydro Road
4877	6075	20.	41	21.	205.0	2.6	14.	42	28.	300.0	3.7	34.	83	49.	244.1	Golf Road - West Flat Roads
8438	10243	9.	10	1.	111.1	0.5	7.	9	2.	128.6	0.5	16.	19	3.	118.8	Pokuru Road
5765	5497	133.	178	45.	133.8	2.6	184.	173	-11.	94.0	0.6	317.	351	34.	110.7	*Ngaruawahia Bridge
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	66.	56	-10.	84.8	0.9	48.	54	6.	112.5	0.6	114.	110	-4.	96.5	*Bridge St Anglesea to Victoria 109
3509	3670	181.	117	-64.	64.6	3.7	173.	113	-60.	65.3	3.6	354.	230	-124.	65.0	Cobham Dr Bridge RSI 18 SBD
10685	6307	43.	46	3.	107.0	0.4	20.	46	26.	230.0	3.2	63.	92	29.	146.0	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	144.	165	21.	114.6	1.1	11.	27	16.	245.5	2.7	155.	192	37.	123.9	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	50.	98	48.	196.0	3.9	40.	96	56.	240.0	4.8	90.	194	104.	215.6	*Shakepeare Bridge (Cambridge)
4408	8402	48.	56	8.	116.7	0.8	99.	57	-42.	57.6	3.4	147.	113	-34.	76.9	01N00702 Control Gates Bridge (Taupo)

8992	8424	24.	22	-2.	91.7	0.3	19.	21	2.	110.5	0.3	43.	43	0.	100.0	03200028 230m before Whakamaru Dam
8929	8958	32.	66	34.	206.2	3.4	44.	80	36.	181.8	3.2	76.	146	70.	192.1	SH1 - south of SH30
3938	7174	44.	14	-30.	31.8	3.9	31.	17	-14.	54.8	2.1	75.	31	-44.	41.3	Pukete Rd btw Cullimore&Wairere 255
3503	2767	62.	30	-32.	48.4	3.3	40.	24	-16.	60.0	2.0	102.	54	-48.	52.9	Resolution Dr Nth of Wairere Dr 188
3558	3557	35.	19	-16.	54.3	2.2	33.	20	-13.	60.6	1.7	68.	39	-29.	57.4	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	128.	57	-71.	44.5	5.3	138.	61	-77.	44.2	5.5	266.	118	-148.	44.4	Gordonton Rd btw Crosby&Greenhill
5510	2822	60.	26	-34.	43.3	3.7	50.	27	-23.	54.0	2.8	110.	53	-57.	48.2	Holland Rd btw Ruakura&SH1B
5485	2822	18.	51	33.	283.3	3.9	24.	48	24.	200.0	2.8	42.	99	57.	235.7	01B00024 100m past Holland Road Intersection
5195	6838	18.	3	-15.	16.7	3.6	12.	3	-9.	25.0	2.7	30.	6	-24.	20.0	Totara Dr - Nth Delamare Rd S325
4745	4746	1.	2	1.	200.0	1.4	1.	2	1.	200.0	1.4	2.	4	2.	200.0	Delamare Rd - North Wairere Dr
3339	3735	54.	54	0.	100.0	0.0	40.	53	13.	132.5	1.3	94.	107	13.	113.8	Tuhikaramea Rd by speed limit sigh 752
4761	5535	125.	88	-37.	70.4	2.5	69.	83	14.	120.3	1.1	194.	171	-23.	88.1	Ohaupo Rd north of Normandy Ave
4847	8214	101.	30	-71.	29.7	6.1	48.	35	-13.	72.9	1.5	149.	65	-84.	43.6	Normandy Ave north of Bader St
3587	4157	207.	145	-62.	70.0	3.3	147.	163	16.	110.9	0.9	354.	308	-46.	87.0	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	6.	8	2.	133.3	0.5	13.	10	-3.	76.9	0.4	19.	18	-1.	94.7	Matangi Rd at Bridge 151
4773	4566	2.	40	38.	*****	5.9	4.	39	35.	975.0	5.2	6.	79	73.	*****	Gillard Rd South Fletcher Road
2917	3157	78.	92	14.	117.9	1.1	93.	92	-1.	98.9	0.0	171.	184	13.	107.6	00300003 - 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	1.	0	-1.	0.0	0.0	1.	0	-1.	0.0	Peacocks Rd North Stubbs Rd
4134	4926	15.	5	-10.	33.3	2.4	10.	4	-6.	40.0	1.6	25.	9	-16.	36.0	Newell Rd
2786	3907	166.	140	-26.	84.3	1.5	183.	158	-25.	86.3	1.3	350.	298	-52.	85.1	01N00559 - 355m past Cherry Lane (Tamahere Motel)
4449	4470	59.	66	7.	111.9	0.7	49.	66	17.	134.7	1.7	108.	132	24.	122.2	Victoria Road (Taylor/Hautapu)
5400	5929	13.	1	-12.	7.7	3.5	16.	1	-15.	6.2	4.0	29.	2	-27.	6.9	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	104.	118	14.	113.5	0.9	95.	135	40.	142.1	2.6	199.	253	54.	127.1	01N00563 - SH1N 120m soth of Pickering Road
4861	10684	110.	92	-18.	83.6	1.3	63.	93	30.	147.6	2.4	173.	185	12.	106.9	00300012 1510 past SH21 Airport Road
6075	10261	25.	11	-14.	44.0	2.4	20.	11	-9.	55.0	1.8	45.	22	-23.	48.9	18000m Cambridge Rd Rural
5419	10253	74.	21	-53.	28.4	5.6	30.	22	-8.	73.3	1.1	104.	43	-61.	41.3	Alexandra Street 186
3500	5456	25.	9	-16.	36.0	2.8	32.	9	-23.	28.1	3.8	57.	18	-39.	31.6	203 Te Kowhai Road at city Boundary
7089	10527	19.	11	-8.	57.9	1.5	18.	11	-7.	61.1	1.5	37.	22	-15.	59.5	152 Rotokauri Road - North of Brymer
3373	4770	24.	11	-13.	45.8	2.4	14.	11	-3.	78.6	0.8	38.	22	-16.	57.9	54 Newcastle Road - Opposite Microwave Station
10595	2720	2.	6	4.	300.0	1.4	1.	6	5.	600.0	2.4	3.	12	9.	400.0	S319 Exelby Road btw Kauri & Burbush
7165	3412	50.	26	-24.	52.0	2.8	16.	26	10.	162.5	1.5	66.	52	-14.	78.8	02300004 - 40m East of Newcastle Road
7164	5645	45.	11	-34.	24.4	4.6	39.	12	-27.	30.8	3.7	84.	23	-61.	27.4	Ruffell Rd Nth of Te Kowhai Rd 176
3287	3512	68.	53	-15.	77.9	1.5	58.	41	-17.	70.7	1.8	126.	94	-32.	74.6	Te Kowhai Rd East of Tasman Rd 166
3476	4904	68.	30	-38.	44.1	3.8	25.	33	8.	132.0	1.1	93.	63	-30.	67.7	Forest lake Rd railway underpass 63/64
3456	4721	87.	64	-23.	73.6	1.8	40.	62	22.	155.0	2.2	127.	126	-1.	99.2	Norton Rd at railway 718 11 May
5199	2654	46.	29	-17.	63.0	2.1	60.	29	-31.	48.3	3.4	106.	58	-48.	54.7	Killarney Rd Railway crossing 1419-Nov
3175	4709	210.	131	-79.	62.4	4.3	209.	125	-84.	59.8	4.6	419.	256	-163.	61.1	01N00552 120m east of Railway Crossing
3168	4788	3.	6	3.	200.0	1.4	15.	6	-9.	40.0	1.8	18.	12	-6.	66.7	Collins Rd railway crossing 149
4111	10565	36.	45	9.	125.0	0.9	48.	45	-3.	93.8	0.4	84.	90	6.	107.1	02600002 875m West of Lissette Road
2967	7790	7.	1	-6.	14.3	2.4	10.	1	-9.	10.0	3.2	17.	2	-15.	11.8	Powells Rd btw Alderson&Raymond S309
10696	10598	26.	33	7.	126.9	0.8	13.	34	21.	261.5	3.2	39.	67	28.	171.8	Puketaha Rd
3921	3920	20.	50	30.	250.0	3.6	33.	51	18.	154.5	2.0	53.	101	48.	190.6	Ruakura Rd East of Silverdale 155
7789	8078	5.	2	-3.	40.0	0.8	7.	2	-5.	28.6	1.4	12.	4	-8.	33.3	Fairview St btw Wattle&Radiata S307
5452	10678	37.	48	11.	129.7	1.3	52.	48	-4.	92.3	0.4	89.	96	7.	107.9	02600009 700m east of Platt Rd
5614	5613	33.	46	13.	139.4	1.6	20.	49	29.	245.0	3.4	53.	95	42.	179.2	01B00015 500m past Gordonton Rd/Taylor
4800	4799	216.	182	-34.	84.3	1.7	223.	178	-45.	79.8	2.2	439.	360	-79.	82.0	01N00529 100m sth of Hopu Hopu Rail Bridge
9521	10776	62.	96	34.	154.8	2.7	67.	97	30.	144.8	2.4	129.	193	64.	149.6	00300038 335m nth of Wharepuhanga Road
10193	8493	39.	49	10.	125.6	1.1	25.	39	14.	156.0	1.8	64.	88	24.	137.5	00500000 217m past SH1 (Tirau)
10192	8565	144.	113	-31.	78.5	2.0	130.	126	-4.	96.9	0.2	274.	239	-35.	87.2	01N00620 Lichfield Telemetry Site 21 sth of Bald
10158	10169	143.	98	-45.	68.5	2.8	119.	98	-21.	82.4	1.4	262.	196	-66.	74.8	02400001 120m East of Tower Road RAB
9264	9924	43.	53	10.	123.3	1.0	37.	53	16.	143.2	1.7	80.	106	26.	132.5	02600022 855m West of Piako Road (Motumaoho)
9850	9592	154.	92	-62.	59.7	4.0	143.	93	-50.	65.0	3.3	297.	185	-112.	62.3	02700065 200m sth of Matamata Airport Entrance
9573	9842	53.	29	-24.	54.7	2.7	50.	32	-18.	64.0	2.0	103.	61	-42.	59.2	02700083 320m past SH29
9126	9119	30.	41	11.	136.7	1.2	53.	42	-11.	79.2	1.0	83.	83	0.	100.0	02800000 163m past SH1 (Putaruru)
9655	9515	67.	84	17.	125.4	1.5	48.	88	40.	183.3	3.4	115.	172	57.	149.6	02800009 245m past SH5 (Whites Road)
9885	9544	79.	65	-14.	82.3	1.2	66.	59	-7.	89.4	0.7	145.	124	-21.	85.5	02900057 450m East of McNab Road
9854	9873	96.	84	-12.	87.5	0.9	63.	79	16.	125.4	1.4	159.	163	4.	102.5	02900069 200m sth of Totman Road
8527	8528	22.	41	19.	186.4	2.3	54.	40	-14.	74.1	1.4	76.	81	5.	106.6	03000110 133m past SH
8666	8698	129.	99	-30.	76.7	2.0	75.	90	15.	120.0	1.2	204.	189	-15.	92.6	00200106 500m East of Athenree Road
9387	8328	185.	161	-24.	87.0	1.3	161.	155	-6.	96.3	0.3	346.	316	-30.	91.3	00200141 near Tga RSI Site 23
9138	10815	23.	13	-10.	56.5	1.7	35.	13	-22.	37.1	3.2	58.	26	-32.	44.8	03600012 760m sth of Williams Rd
10798	10800	149.	176	27.	118.1	1.6	106.	162	56.	152.8	3.4	255.	338	83.	132.5	00200187 Near Tga RSI Site 21
10727	8529	12.	7	-5.	58.3	1.4	6.	7	1.	116.7	0.0	18.	14	-4.	77.8	03200074 west of Taupo - Telemetry Site
4558	8578	44.	45	1.	102.3	0.0	64.	52	-12.	81.2	1.1	108.	97	-11.	89.8	01N00729 Halletts Bay - Telemetry Site

8740	4352	31.	30	-1.	96.8	0.0	25.	28	3.	112.0	0.6	56.	58	2.	103.6	01N00705 100m nth of SH5 (East to Napi
8932	8740	48.	26	-22.	54.2	2.6	28.	26	-2.	92.9	0.3	76.	52	-24.	68.4	01N00706 300m Sth of SH5
8635	8551	37.	13	-24.	35.1	3.5	21.	15	-6.	71.4	1.0	58.	28	-30.	48.3	01N00700 at RS peg 606/5.07

Number of links = 123 Number of forward links = 120 Number of back links = 121

TOTALS	FORWARD	BACK	TOTALS
COUNT	7777.	6954.	14732.
VOLUME	7358.	7200.	14558.
CHANGE	-419.	246.	-174.
%	95.	104.	99.
CORREL.			
COEFF.	0.894	0.908	0.906
%RMS	42.54	43.14	38.78
r^2	0.800	0.825	0.821
GEH	3.4	2.1	1.0
GEH <5	<7.5	<10	<12
#	233	241	241
%	96.7	100.0	100.0

CORDON terminated successfully

Inter Peak Screenline Validation Output Files – Heavy Vehicle

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+-----+
| 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 16:08:22 | 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 : "INP_RTH.DAT"
 Loaded Network : "WL13B0IHVDB0.NL"
 27830 Links in network

Cordon Number : 1
 Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5765	5497	158.	196	38.	124.1	2.0	152.	197	45.	129.6	2.4	310.	393	83.	126.8	*Ngaruawahia Bridge	(Generalised HVY Percentage)
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD	
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD	
8233	9824	75.	62	-13.	82.7	1.0	34.	59	25.	173.5	2.5	109.	121	12.	111.0	*Bridge St Anglesea to Victoria 109	
3509	3670	237.	110	-127.	46.4	6.8	230.	131	-99.	57.0	5.3	466.	241	-225.	51.7	Cobham Dr Bridge RSI 18 SBD	
10685	6307	34.	48	14.	141.2	1.5	24.	45	21.	187.5	2.4	58.	93	35.	160.3	Airport Rd - 02100004 Sth of Lochiel Rd	
6550	6432	50.	22	-28.	44.0	3.3	23.	22	-1.	95.7	0.0	73.	44	-29.	60.3	*Victoria St (Cambridge) - Alpha to Duke	
6171	10228	23.	93	70.	404.3	6.6	32.	92	60.	287.5	5.4	55.	185	130.	336.4	*Shakespeare Bridge (Cambridge)	
4408	8402	66.	69	3.	104.5	0.2	65.	70	5.	107.7	0.5	131.	139	8.	106.1	01N00702 Control Gates Bridge (Taupo)	(Generalised HVY Percentage)
2607	9841	12.	13	1.	108.3	0.0	15.	13	-2.	86.7	0.4	27.	26	-1.	96.3	Maungatautari Road - North of Hydro Road	(Generalised HVY Percentage)
8992	8424	21.	19	-2.	90.5	0.3	37.	19	-18.	51.4	2.4	58.	38	-20.	65.5	03200028 230m before Whakamaru Dam	
8929	8958	46.	66	20.	143.5	1.9	47.	68	21.	144.7	2.1	93.	134	41.	144.1	SH1 - south of SH30	

Number of links = 10 Number of forward links = 10 Number of back links = 10

TOTALS	FORWARD	BACK	TOTALS
COUNT	722.	659.	1380.
VOLUME	698.	716.	1414.
CHANGE	-24.	57.	34.
%	97.	109.	102.
CORREL.			
COEFF.	0.694	0.784	0.746
%RMS	71.58	66.50	67.79
r^2	0.482	0.615	0.556
GEH	0.6	1.6	0.6
GEH <5	<7	<10	<12 >12
#	16	20	20 0
%	80.0	100.0	100.0 0.0

Cordon Number : 2
 Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
2732	4872	103.	81	-22.	78.6	1.6	124.	80	-44.	64.5	3.1	228.	161	-67.	70.6	00300029- 350m Nth of Saint Ledger Rd	
9936	8270	48.	47	-1.	97.9	0.2	41.	43	2.	104.9	0.2	89.	90	1.	101.1	03900052 - SH39 sth of Hanning Piongia	
3507	8267	15.	17	2.	113.3	0.4	16.	17	1.	106.2	0.0	31.	34	3.	109.7	02300037 - SH23 90m East of Wrights Road (Generalised HVY Percentage)	
10323	9789	242.	270	28.	111.6	1.2	231.	279	48.	120.8	2.1	473.	549	76.	116.1	SH1 sth of Tregoweth Huntly	
9593	10779	5.	8	3.	160.0	1.2	5.	8	3.	160.0	1.2	10.	16	6.	160.0	Waingaro Road	
2854	2853	16.	15	-1.	93.8	0.4	12.	16	4.	133.3	0.8	28.	31	3.	110.7	Hakarimata Rd	
9968	9944	6.	8	2.	133.3	0.5	5.	8	3.	160.0	1.2	11.	16	5.	145.5	Orini Rd	
9913	9915	20.	25	5.	125.0	0.6	23.	25	2.	108.7	0.3	43.	50	7.	116.3	Whitikahu Rd	
5650	10786	2.	34	32.	*****	5.3	4.	34	30.	850.0	4.9	6.	68	62.	*****	Scotsman Valley Rd	
10707	9924	88.	73	-15.	83.0	1.3	59.	72	13.	122.0	1.2	147.	145	-2.	98.6	02600023 150m East of Piako Road	
6597	10788	193.	137	-56.	71.0	3.1	189.	134	-55.	70.9	3.0	382.	271	-111.	70.9	01N00580	
9841	2607	15.	13	-2.	86.7	0.4	12.	13	1.	108.3	0.0	27.	26	-1.	96.3	Maungatautari Road - North of Hydro Road (Generalised HVY Percentage)	
4877	6075	24.	37	13.	154.2	1.5	21.	36	15.	171.4	2.1	45.	73	28.	162.2	Golf Road - West Flat Roads	
8438	10243	15.	9	-6.	60.0	1.3	7.	9	2.	128.6	0.5	22.	18	-4.	81.8	Pokuru Road	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	792.	749.	1542.
VOLUME	774.	774.	1548.
CHANGE	-18.	25.	6.
%	98.	103.	100.
CORREL.			
COEFF.	0.959	0.940	0.952
%RMS	37.68	48.10	41.65
r^2	0.920	0.883	0.906
GEH	0.5	0.7	0.1
GEH <5	<7	<10	<12
#	27	28	28
%	96.4	100.0	100.0

Cordon Number : 3
 Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
9110	10206	80.	73	-7.	91.2	0.6	81.	72	-9.	88.9	0.6	161.	145	-16.	90.1	SH5 - sth of Maraeroa Rd Rotorua	(Generalised HVY Percentage)
4051	8384	68.	42	-26.	61.8	2.5	54.	42	-12.	77.8	1.2	122.	84	-38.	68.9	03000141 - 155m before Gun Club Road	
8518	8274	37.	23	-14.	62.2	1.8	39.	21	-18.	53.8	2.4	76.	44	-32.	57.9	SH1 sth of Taupahi Turangi	(Generalised HVY Percentage)
10323	9789	242.	270	28.	111.6	1.2	231.	279	48.	120.8	2.1	473.	549	76.	116.1	SH1 sth of Tregoweth Huntly	
9911	2711	5.	15	10.	300.0	2.4	5.	15	10.	300.0	2.4	10.	30	20.	300.0	Waingaro Road	
2852	5739	16.	19	3.	118.8	0.3	12.	19	7.	158.3	1.1	28.	38	10.	135.7	Hakarimata Rd	
9962	10693	9.	14	5.	155.6	1.3	9.	15	6.	166.7	1.3	18.	29	11.	161.1	Tahuna Rd east of Rutherford Rd	
9958	9948	2.	1	-1.	50.0	1.4	2.	2	0.	100.0	0.0	4.	3	-1.	75.0	Taniwha Rd nth of Waiterimu Rd	
8549	4246	55.	57	2.	103.6	0.2	59.	63	4.	106.8	0.4	114.	120	6.	105.3	00500138 278m past crown road (Taupo)	
8792	8552	50.	37	-13.	74.0	1.5	59.	36	-23.	61.0	2.3	109.	73	-36.	67.0	00500125 98m before SH1 (Wairakei)	
8779	8959	19.	4	-15.	21.1	3.0	9.	3	-6.	33.3	1.9	28.	7	-21.	25.0	04100029 50m East of Moerangi Road	
8522	8273	18.	7	-11.	38.9	2.4	9.	13	4.	144.4	0.9	27.	20	-7.	74.1	04700046 242m before SH41	
8308	9964	82.	50	-32.	61.0	2.8	78.	51	-27.	65.4	2.5	160.	101	-59.	63.1	02700011 Kaihere - Telemetry Site 33	
10167	8179	31.	23	-8.	74.2	1.1	35.	23	-12.	65.7	1.6	66.	46	-20.	69.7	02600055 515m nth of Patuwahao Stream Bridge	
9145	3918	157.	115	-42.	73.2	2.6	155.	117	-38.	75.5	2.3	312.	232	-80.	74.4	02900034 Kaimai - Telemetry Site 12 -1	
8996	8387	93.	91	-2.	97.8	0.1	76.	92	16.	121.1	1.2	169.	183	14.	108.3	00500082 520m sth of ERP 7713.70 Waitapu	
9550	9831	19.	19	0.	100.0	0.0	14.	19	5.	135.7	0.7	33.	38	5.	115.2	03000035 918m past Manaiti Street (Bennydale)	
3497	10125	168.	89	-79.	53.0	5.0	118.	81	-37.	68.6	2.7	286.	170	-116.	59.4	00300066 800m past SH 37 (Waitomo Road)	
3506	8271	8.	5	-3.	62.5	1.2	9.	5	-4.	55.6	1.2	17.	10	-7.	58.8	03100022 500m west of Ngutunui Road	
3507	8267	11.	17	6.	154.5	1.2	13.	17	4.	130.8	0.8	24.	34	10.	141.7	02300037 - SH23 West of Heddon Ragian	(Generalised HVY Percentage)

Number of links = 20 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	1170.	1067.	2237.
VOLUME	971.	985.	1956.
CHANGE	-199.	-82.	-281.
%	83.	92.	87.
CORREL.			
COEFF.	0.938	0.951	0.947
%RMS	42.06	37.57	38.40
r^2	0.880	0.904	0.896
GEH	4.3	1.8	4.3
GEH <5	<7	<10	<12
#	39	40	40
%	97.5	100.0	100.0

Cordon Number : 4
 Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD				BACK				TOTAL								
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME			CHANGE	%	
5452	10678	15.	40	25.	266.7	3.5	16.	39	23.	243.8	3.0	31.	79	48.	254.8	02600009	700m east of Platt Rd	(Generalised HVY Percentage)
5614	5613	33.	53	20.	160.6	2.2	25.	47	22.	188.0	2.6	58.	100	42.	172.4	01B00015	500m past Gordonton Rd/Taylor	
5485	2822	19.	50	31.	263.2	3.9	25.	56	31.	224.0	3.6	44.	106	62.	240.9	01B00024	100m past Holland Rd Intersection	
4800	4799	219.	200	-19.	91.3	0.9	220.	202	-18.	91.8	0.9	439.	402	-37.	91.6	01N00529	100m sth of Hopu Hopu Rail Bridge	(Generalised HVY Percentage)
5849	5690	85.	105	20.	123.5	1.5	85.	103	18.	121.2	1.3	170.	208	38.	122.4	01N00563	120m sth of Pickering Rd	(Generalised HVY Percentage)
4111	10565	25.	44	19.	176.0	2.4	25.	44	19.	176.0	2.4	50.	88	38.	176.0	02600002	875m west of Lisette Rd	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	396.	396.	792.
VOLUME	492.	491.	983.
CHANGE	96.	95.	191.
%	124.	124.	124.
CORREL.			
COEFF.	0.996	0.997	0.997
%RMS	37.78	37.01	37.37
r^2	0.993	0.994	0.993
GEH	3.2	3.2	4.5
GEH <5	<7	<10	<12
#	12	12	12
%	100.0	100.0	100.0

Cordon Number : 5
 Description : *screenline 5 - North

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
8305	8830	45.	58	13.	128.9	1.4	40.	58	18.	145.0	1.8	85.	116	31.	136.5	00200052 650m past Orchard Rd	(Generalised HVY Percentage)
3384	8873	60.	59	-1.	98.3	0.2	68.	59	-9.	86.8	0.9	128.	118	-10.	92.2	00200066 986m past of Awaiti Rd	
8720	8320	117.	84	-33.	71.8	2.3	107.	83	-24.	77.6	1.8	224.	167	-57.	74.6	00200091 Waihi - Telemetry Site 34 - E	
8306	8739	41.	38	-3.	92.7	0.2	53.	37	-16.	69.8	1.7	94.	75	-19.	79.8	02500021 335m before Hauraki Rd	
3163	3590	18.	5	-13.	27.8	3.0	13.	5	-8.	38.5	2.0	31.	10	-21.	32.3	02500098 12m before 1st Abut Opononui	
9162	8871	30.	23	-7.	76.7	1.1	35.	23	-12.	65.7	1.6	65.	46	-19.	70.8	02500240 nth of Gladestone Rd	
8872	2948	37.	23	-14.	62.2	1.8	33.	23	-10.	69.7	1.4	70.	46	-24.	65.7	02600075 380m past Komata River Bridge	
8449	9737	78.	55	-23.	70.5	2.1	82.	54	-28.	65.9	2.4	160.	109	-51.	68.1	02700011 Kaihere - Telemetry Site 33	
13522	13646	135.	261	126.	193.3	6.3	146.	269	123.	184.2	6.0	281.	530	249.	188.6	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road	
8309	8855	33.	14	-19.	42.4	2.7	37.	14	-23.	37.8	3.1	70.	28	-42.	40.0	25A00024 Hkuae - Telemetry Site 76	(Generalised HVY Percentage)
9559	9719	88.	138	50.	156.8	3.3	94.	137	43.	145.7	2.8	182.	275	93.	151.1	00200033 By RS peg 32/1	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	682.	708.	1390.
VOLUME	758.	762.	1520.
CHANGE	76.	54.	130.
%	111.	108.	109.

CORREL.	COEFF.	%RMS	r^2	GEH
0.865	0.894	0.884	0.884	0.884
73.82	69.20	71.25	71.25	71.25
0.749	0.800	0.781	0.781	0.781
2.0	1.4	2.4	2.4	2.4

GEH	<5	<7	<10	<12	>12
#	20	22	22	22	0
%	90.9	100.0	100.0	100.0	0.0

Cordon Number : 6
 Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
3613	8728	168.	143	-25.	85.1	1.5	147.	142	-5.	96.6	0.2	315.	285	-30.	90.5	00200141 near Tga RSI Site 23	
9145	3918	155.	115	-40.	74.2	2.4	157.	117	-40.	74.5	2.4	312.	232	-80.	74.4	02900034 Kaimai - Telemetry Site 12 - 1	
3925	9138	26.	0	-26.	0.0	5.1	28.	0	-28.	0.0	5.3	54.	0	-54.	0.0	03600012 760m sth of Williams Rd	
10796	10798	177.	178	1.	100.6	0.1	180.	189	9.	105.0	0.4	357.	367	10.	102.8	00200187 Near Tga RSI Site 21	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	526.	512.	1038.
VOLUME	436.	448.	884.
CHANGE	-90.	-64.	-154.
%	83.	88.	85.

CORREL.	COEFF.	%RMS	r^2	GEH
0.977	0.969	0.975	0.975	0.975
23.65	22.51	22.60	22.60	22.60
0.954	0.939	0.950	0.950	0.950
2.9	2.1	3.5	3.5	3.5

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

Cordon Number : 7
 Description : *screenline 7 - South

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
10727	8529	10.	6	-4.	60.0	1.0	13.	6	-7.	46.2	1.4	23.	12	-11.	52.2	03200074 west of Taupo - Telemetry Site	
4558	8578	78.	44	-34.	56.4	3.1	68.	47	-21.	69.1	2.1	146.	91	-55.	62.3	01N00729 Halletts Bay - Telemetry Site	
8740	4352	32.	39	7.	121.9	0.7	39.	37	-2.	94.9	0.2	71.	76	5.	107.0	01N00705 100m nth of SH5 (East to Napi)	
8932	8740	35.	34	-1.	97.1	0.0	39.	33	-6.	84.6	0.7	74.	67	-7.	90.5	01N00706 300m Sth of SH5	
8635	8551	31.	15	-16.	48.4	2.4	32.	16	-16.	50.0	2.3	63.	31	-32.	49.2	01N00700 at RS peg 606/5.07	
4408	8402	66.	69	3.	104.5	0.2	65.	70	5.	107.7	0.5	131.	139	8.	106.1	01N00702 Control Gates Bridge (Taupo)	
8549	4246	55.	57	2.	103.6	0.2	59.	63	4.	106.8	0.4	114.	120	6.	105.3	00500138 278m past Crown Rd (Taupo)	

(Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	307.	315.	622.
VOLUME	264.	272.	536.
CHANGE	-43.	-43.	-86.
%	86.	86.	86.
CORREL.			
COEFF.	0.805	0.911	0.861
%RMS	35.94	26.09	30.28
r^2	0.648	0.830	0.742
GEH	1.8	1.7	2.5
GEH <5	<7	<10	<12
#	14	14	14
%	100.0	100.0	100.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	% GEH	COUNT	VOLUME	CHANGE	% GEH	COUNT	VOLUME	CHANGE	%			
9521	10776	67.	89	22.	132.8	1.8	61.	86	25.	141.0	2.2	128.	175	47.	136.7	00300038 335m nth of Wharepuhanga Road (Generalised HVY Percentage)
3497	10125	168.	89	-79.	53.0	5.0	118.	81	-37.	68.6	2.7	286.	170	-116.	59.4	00300066 800m past State Highway 37 (Waitomo Rd)
10193	8493	32.	29	-3.	90.6	0.5	38.	29	-9.	76.3	1.2	70.	58	-12.	82.9	00500000 217m past SH1 (Tirau)
8996	8387	93.	91	-2.	97.8	0.1	76.	92	16.	121.1	1.2	169.	183	14.	108.3	00500082 520M Sth of ERP 77/3.70, Waiotapu
10192	8565	156.	101	-55.	64.7	3.5	136.	104	-32.	76.5	2.1	292.	205	-87.	70.2	01N00620 Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	142.	90	-52.	63.4	3.4	129.	90	-39.	69.8	2.6	271.	180	-91.	66.4	02400001 120m East of Tower Road RAB
9264	9924	36.	43	7.	119.4	0.7	33.	43	10.	130.3	1.2	69.	86	17.	124.6	02600022 855m West of Piako Road (Motumaoho)
10167	8179	31.	23	-8.	74.2	1.1	35.	23	-12.	65.7	1.6	66.	46	-20.	69.7	02600055 515m Nth of Patuwahao Stream Bridge
8458	9591	168.	89	-79.	53.0	5.0	167.	88	-79.	52.7	4.9	335.	177	-158.	52.8	02700065 200m sth of Matamata Airport Entrance
9573	9842	67.	27	-40.	40.3	4.2	66.	27	-39.	40.9	4.2	133.	54	-79.	40.6	02700083 320m past SH29 (Generalised HVY Percentage)
9126	9119	37.	25	-12.	67.6	1.5	50.	38	-12.	76.0	1.3	87.	63	-24.	72.4	02800000 163m past SH1 (Putaruru)
9655	9515	72.	66	-6.	91.7	0.5	60.	66	6.	110.0	0.5	132.	132	0.	100.0	02800009 245m past SH5 (Whites Road)
9544	8486	59.	46	-13.	78.0	1.2	66.	48	-18.	72.7	1.7	125.	94	-31.	75.2	02900057 450m East of McNab Road
9854	9873	74.	54	-20.	73.0	1.8	91.	55	-36.	60.4	3.0	165.	109	-56.	66.1	02900069 200m sth of Totman Road
9550	9831	21.	19	-2.	90.5	0.3	12.	19	7.	158.3	1.1	33.	38	5.	115.2	03000035 918m past Manaiti St (Bennydale)
8527	8528	41.	34	-7.	82.9	0.7	47.	34	-13.	72.3	1.3	88.	68	-20.	77.3	03000110 133m past SH
4051	8384	68.	42	-26.	61.8	2.5	54.	42	-12.	77.8	1.2	122.	84	-38.	68.9	03000141 155m before Gun Club Rd
3506	8271	8.	5	-3.	62.5	1.2	9.	5	-4.	55.6	1.2	17.	10	-7.	58.8	03100022 500m West of Ngutunui Rd
8992	8424	21.	19	-2.	90.5	0.3	37.	19	-18.	51.4	2.4	58.	38	-20.	65.5	03200028 230m before Whakamaru Dam
9689	9691	No Forward Link Present .					189.	240	51.	127.0	2.5	189.	240	51.	127.0	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	217.	236	19.	108.8	0.9	No Back Link Present .				217.	236	19.	108.8	01N00509 685m sth of Tahuna Overbridge Rangiriri NB	

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	1578.	1474.	3052.
VOLUME	1217.	1229.	2446.
CHANGE	-361.	-245.	-606.
%	77.	83.	80.
CORREL.			
COEFF.	0.875	0.846	0.811
%RMS	43.39	41.75	41.77
r^2	0.766	0.716	0.658
GEH	6.8	4.7	8.2
GEH <5	<7	<10	<12
#	38	40	40
%	95.0	100.0	100.0

Cordon Number : 9
 Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	5645	31.	15	-16.	48.4	2.4	34.	15	-19.	44.1	2.9	65.	30	-35.	46.2	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	53.	74	21.	139.6	2.0	51.	68	17.	133.3	1.7	104.	142	38.	136.5	Te Kowhai Rd East of Tasman Rd 166
3476	4904	51.	48	-3.	94.1	0.2	24.	46	22.	191.7	2.6	75.	94	19.	125.3	Forest lake Rd railway underpass 63/64
3456	4721	63.	77	14.	122.2	1.2	52.	80	28.	153.8	2.4	115.	157	42.	136.5	Norton Rd at railway 718 11 May
5199	2654	49.	35	-14.	71.4	1.5	46.	32	-14.	69.6	1.6	95.	67	-28.	70.5	Killarney Rd Railway crossing 1419-Nov
3175	4709	176.	160	-16.	90.9	0.9	114.	153	39.	134.2	2.3	290.	313	23.	107.9	01N00552 120m east of Railway Crossing
3168	4788	5.	6	1.	120.0	0.6	14.	6	-8.	42.9	1.8	19.	12	-7.	63.2	Collins Rd railway crossing 149

(Generalised HVY Percentage)
 (Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	428.	335.	763.
VOLUME	415.	400.	815.
CHANGE	-13.	65.	52.
%	97.	119.	107.
CORREL.			
COEFF.	0.961	0.936	0.960
%RMS	24.58	51.88	29.39
r^2	0.924	0.875	0.921
GEH	0.5	2.4	1.3
GEH <5	<7	<10	<12 >12
#	14	14	14 0
%	100.0	100.0	100.0 0.0

Cordon Number : 10
 Description : *screenline 10 Hamilton Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	75.	62	-13.	82.7	1.0	34.	59	25.	173.5	2.5	109.	121	12.	111.0	*Bridge St Anglesea to Victoria 109
3509	3670	237.	110	-127.	46.4	6.8	230.	131	-99.	57.0	5.3	466.	241	-225.	51.7	Cobham Drive Bridge RSI 18 SBD

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	312.	264.	575.
VOLUME	172.	190.	362.
CHANGE	-140.	-74.	-213.
%	55.	72.	63.
CORREL.			
COEFF.	1.000	1.000	1.000
%RMS	81.84	77.35	78.37
r^2	1.000	1.000	1.000
GEH	6.4	3.5	6.9
GEH <5	<7	<10	<12 >12
#	2	4	4 0
%	50.0	100.0	100.0 0.0

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD				GEH	BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	COUNT	VOLUME	CHANGE	%			
4111	10565	25.	44	19.	176.0	2.4	25.	44	19.	176.0	2.4	50.	88	38.	176.0	02600002 875m West of Lissette Road	(Generalised HVY Percentage)
7024	7788	5.	3	-2.	60.0	0.8	5.	3	-2.	60.0	0.8	10.	6	-4.	60.0	Powells Rd btw Alderson&Raymond S309	
10696	10598	17.	32	15.	188.2	2.3	16.	35	19.	218.8	2.5	33.	67	34.	203.0	Puketaha Rd	
3921	3920	16.	52	36.	325.0	4.4	18.	51	33.	283.3	3.9	34.	103	69.	302.9	Ruakura Rd East of Silverdale 155	
7789	8078	3.	3	0.	100.0	0.0	3.	3	0.	100.0	0.0	6.	6	0.	100.0	Fairview St btw Wattle&Radiata S307	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	66.	67.	133.
VOLUME	134.	136.	270.
CHANGE	68.	69.	137.
%	203.	203.	203.
CORREL.			
COEFF.	0.877	0.925	0.905
%RMS	164.50	158.97	161.45
r^2	0.768	0.856	0.819
GEH	4.8	4.9	6.9
GEH <5	<7	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD				GEH	BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	COUNT	VOLUME	CHANGE	%			
3938	7174	30.	21	-9.	70.0	1.4	20.	20	0.	100.0	0.0	50.	41	-9.	82.0	Pukete Rd btw Cullimore&Wairere 255	
3503	2767	64.	30	-34.	46.9	3.5	42.	9	-33.	21.4	4.8	106.	39	-67.	36.8	Resolution Dr Nth of Wairere Dr 188	
3557	3558	44.	35	-9.	79.5	1.1	33.	24	-9.	72.7	1.1	77.	59	-18.	76.6	Hukanui Rd Nth of Wairere Dr 264/416	
3932	4978	24.	60	36.	250.0	3.9	34.	67	33.	197.1	3.2	58.	127	69.	219.0	Gordonton Rd btw Crosby&Greenhill	
5510	2822	5.	23	18.	460.0	3.5	6.	22	16.	366.7	3.0	11.	45	34.	409.1	Holland Rd btw Ruakura&SH1B	
5485	2822	19.	50	31.	263.2	3.9	25.	56	31.	224.0	3.6	44.	106	62.	240.9	01B00024 100m past Holland Road Intersection	
5195	6838	10.	4	-6.	40.0	1.6	10.	4	-6.	40.0	1.6	20.	8	-12.	40.0	Totara Dr - Nth Delamare Rd S325	
4745	4746	1.	2	1.	200.0	1.4	1.	2	1.	200.0	1.4	2.	4	2.	200.0	Delamare Rd - North Wairere Dr	

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	197.	171.	368.
VOLUME	225.	204.	429.
CHANGE	28.	33.	61.
%	114.	119.	117.
CORREL.			
COEFF.	0.364	0.432	0.347
%RMS	96.29	104.81	99.97
r^2	0.132	0.187	0.121
GEH	1.4	1.8	2.1
GEH <5	<7	<10	<12
#	16	16	16
%	100.0	100.0	100.0

Cordon Number : 13

Description : *screenline 13 - South HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
3339	3735	50.	57	7.	114.0	0.6	36.	55	19.	152.8	1.9	86.	112	26.	130.2	Tuhikaramea Rd by speed limit sigh 752
4761	5535	157.	113	-44.	72.0	2.7	172.	102	-70.	59.3	4.2	329.	215	-114.	65.3	Ohaupo Rd north of Normandy Ave
4847	8214	95.	31	-64.	32.6	5.7	102.	42	-60.	41.2	5.0	197.	73	-124.	37.1	Normandy Ave north of Bader St
3587	4157	144.	144	0.	100.0	0.0	150.	143	-7.	95.3	0.5	294.	287	-7.	97.6	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	7.	12	5.	171.4	1.4	6.	14	8.	233.3	1.8	13.	26	13.	200.0	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	453.	466.	919.
VOLUME	357.	356.	713.
CHANGE	-96.	-110.	-206.
%	79.	76.	78.
CORREL.			
COEFF.	0.856	0.832	0.845
%RMS	43.12	50.82	46.54
r^2	0.733	0.692	0.715
GEH	3.4	3.8	5.1
GEH <5	<7	<10	<12
#	8	10	10
%	80.0	100.0	100.0

Cordon Number : 14

Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4449	4470	46.	61	15.	132.6	1.4	53.	67	14.	126.4	1.3	99.	128	29.	129.3	Victoria Road (Taylor/Hautapu)
5929	8294	3.	9	6.	300.0	1.9	7.	10	3.	142.9	1.0	10.	19	9.	190.0	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	85.	105	20.	123.5	1.5	85.	103	18.	121.2	1.3	170.	208	38.	122.4	01N00563 - SH1N 120m soth of Pickering Road (Generalised HVY Percentage)

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	134.	145.	279.
VOLUME	175.	180.	355.
CHANGE	41.	35.	76.
%	131.	124.	127.
CORREL.			
COEFF.	1.000	1.000	1.000
%RMS	40.70	33.65	36.98
r^2	1.000	0.999	0.999
GEH	2.3	2.0	3.0
GEH <5	<7	<10	<12
#	6	6	6
%	100.0	100.0	100.0

Cordon Number : 15
 Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		
4554	4553	57.	101	44.	177.2	3.5	58.	100	42.	172.4	3.3	115.	201	86.	174.8	00300012 1510 past SH21 Airport Road	(Generalised HVY Percentage)
6075	10261	20.	12	-8.	60.0	1.4	14.	12	-2.	85.7	0.4	34.	24	-10.	70.6	18000m Cambridge Rd Rural	
9402	5417	56.	26	-30.	46.4	3.3	60.	27	-33.	45.0	3.7	116.	53	-63.	45.7	Alexandra Street 186	
2732	4872	103.	81	-22.	78.6	1.6	124.	80	-44.	64.5	3.1	228.	161	-67.	70.6	00300029 350m Nth of Saint Ledger Road	

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

TOTALS FORWARD BACK TOTALS

COUNT	236.	256.	493.
VOLUME	220.	219.	439.
CHANGE	-16.	-37.	-54.
%	93.	86.	89.

CORREL.

COEFF.	0.646	0.613	0.626
%RMS	56.92	62.45	59.17
r^2	0.417	0.375	0.392
GEH	0.7	1.7	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 : 16
 Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL					
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		
12430	12431	228.	399	171.	175.0	6.8	No Back Link Present .					228.	399	171.	175.0	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72	
12388	12387	No Forward Link Present .					236.	409	173.	173.3	6.8	236.	409	173.	173.3	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72	
13603	13674	160.	255	95.	159.4	4.6	161.	264	103.	164.0	5.1	321.	519	198.	161.7	SH2 Interchange NB SB	
11582	8693	191.	141	-50.	73.8	2.8	194.	139	-55.	71.6	3.1	385.	280	-105.	72.7	00200002 Maungatawhiri - Telemetry Site 74 West	(Generalised HVY Percentage)

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS FORWARD BACK TOTALS

COUNT	579.	591.	1170.
VOLUME	795.	812.	1607.
CHANGE	216.	221.	437.
%	137.	137.	137.

CORREL.

COEFF.	0.598	0.594	-0.373
%RMS	73.97	74.92	65.29
r^2	0.358	0.352	0.139
GEH	5.8	5.9	8.3

GEH	<5	<7	<10	<12	>12
#	3	6	6	6	0
%	50.0	100.0	100.0	100.0	0.0

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

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
8666	8698	86.	90	4.	104.7	0.3	118.	89	-29.	75.4	2.1	204.	179	-25.	87.7	00200106 500m East of Athenree Road
9145	3918	155.	115	-40.	74.2	2.4	157.	117	-40.	74.5	2.4	312.	232	-80.	74.4	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	80.	73	-7.	91.2	0.6	81.	72	-9.	88.9	0.6	161.	145	-16.	90.1	00500034 - SH5 sth of Maraeroa Rotorua
4051	8384	68.	42	-26.	61.8	2.5	54.	42	-12.	77.8	1.2	122.	84	-38.	68.9	03000141 155m before Gun Club Road
8996	8387	93.	91	-2.	97.8	0.1	76.	92	16.	121.1	1.2	169.	183	14.	108.3	00500082 520m sth of ERP 7713.70 Waiotapu

(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	482.	486.	968.
VOLUME	411.	412.	823.
CHANGE	-71.	-74.	-145.
%	85.	85.	85.
CORREL.			
COEFF.	0.845	0.871	0.890
%RMS	25.12	27.81	24.39
r^2	0.714	0.758	0.792
GEH	2.4	2.5	3.5
GEH <5	<7	<10	<12
#	10	10	10
%	100.0	100.0	100.0

Cordon Number : 18
 Description : *screenline 18 North Waikato Lateral

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
10167	8179	31.	23	-8.	74.2	1.1	35.	23	-12.	65.7	1.6	66.	46	-20.	69.7	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	2.	1	-1.	50.0	1.4	2.	2	0.	100.0	0.0	4.	3	-1.	75.0	Taniwha Rd nth of Waiterimu Rd
8449	9737	78.	55	-23.	70.5	2.1	82.	54	-28.	65.9	2.4	160.	109	-51.	68.1	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					189.	240	51.	127.0	2.5	189.	240	51.	127.0	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	217.	236	19.	108.8	0.9	No Back Link Present .					217.	236	19.	108.8	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	328.	308.	636.
VOLUME	315.	319.	634.
CHANGE	-13.	11.	-2.
%	96.	104.	100.
CORREL.			
COEFF.	0.992	0.977	0.942
%RMS	21.76	44.54	30.36
r^2	0.984	0.954	0.887
GEH	0.6	0.4	0.1
GEH <5	<7	<10	<12
#	8	8	8
%	100.0	100.0	100.0

Cordon Number : 19
 Description : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8854	8642	24.	14	-10.	58.3	1.6	36.	14	-22.	38.9	3.1	60.	28	-32.	46.7	02500177 Swampy Stream Bridge
8832	9232	44.	14	-30.	31.8	3.9	44.	14	-30.	31.8	3.9	88.	28	-60.	31.8	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS FORWARD BACK TOTALS

COUNT	68.	80.	148.
VOLUME	28.	28.	56.
CHANGE	-40.	-52.	-92.
%	41.	35.	38.

CORREL.

COEFF.	0.000	0.000	0.000
%RMS	0.00	0.00	0.00
r^2	0.000	0.000	0.000
GEH	4.1	5.0	6.4

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 : *screenline 20 - Southern Links

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4773	4566	1.	37	36.	*****	6.0	3.	35	32.	*****	5.3	4.	72	68.	*****	Gillard Rd South Fletcher Road
2917	3157	114.	112	-2.	98.2	0.1	88.	113	25.	128.4	1.7	202.	225	23.	111.4	00300003 - 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	1.	0	-1.	0.0	0.0	1.	0	-1.	0.0	Peacockes Rd North Stubbs Rd
4134	4926	4.	6	2.	150.0	0.6	8.	6	-2.	75.0	0.5	12.	12	0.	100.0	Newell Rd
2786	3907	222.	137	-85.	61.7	4.5	196.	135	-61.	68.9	3.4	417.	272	-145.	65.2	01N00559 - 355m past Cherry Lane (Tamahere Motels)

Number of links = 5 Number of forward links = 4 Number of back links = 5

TOTALS FORWARD BACK TOTALS

COUNT	341.	296.	636.
VOLUME	292.	289.	581.
CHANGE	-49.	-7.	-55.
%	86.	98.	91.

CORREL.

COEFF.	0.943	0.920	0.934
%RMS	62.55	61.92	63.60
r^2	0.889	0.847	0.872
GEH	1.9	0.3	1.6

GEH	<5	<7	<10	<12	>12
#	7	9	9	9	0
%	77.8	100.0	100.0	100.0	0.0

Cordon Number : 21
 Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
12430	12431	228.	399	171.	175.0	6.8	No Back Link Present .				228.	399	171.	175.0	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72	
12388	12387	No Forward Link Present .				6.8	236.	409	173.	173.3	6.8	236.	409	173.	173.3	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	160.	255	95.	159.4	4.6	161.	264	103.	164.0	5.1	321.	519	198.	161.7	SH2 Interchange NB SB
11582	8693	191.	141	-50.	73.8	2.8	194.	139	-55.	71.6	3.1	385.	280	-105.	72.7	00200002Maungatawhiri - Telemetry Site 74 West Grahams Bridge
8854	8642	24.	14	-10.	58.3	1.6	36.	14	-22.	38.9	3.1	60.	28	-32.	46.7	02500177Swampy Stream Bridge
8832	9232	44.	14	-30.	31.8	3.9	44.	14	-30.	31.8	3.9	88.	28	-60.	31.8	02500036Speed Restriction Sign (Whakatete Bay Sth
8305	8830	45.	58	13.	128.9	1.4	40.	58	18.	145.0	1.8	85.	116	31.	136.5	00200052650m past Orchard Rd
3384	8873	60.	59	-1.	98.3	0.2	68.	59	-9.	86.8	0.9	128.	118	-10.	92.2	00200066986m past of Awaiti Rd
8720	8320	117.	84	-33.	71.8	2.3	107.	83	-24.	77.6	1.8	224.	167	-57.	74.6	00200091Waihi - Telemetry Site 34 - E
8306	8739	41.	38	-3.	92.7	0.2	53.	37	-16.	69.8	1.7	94.	75	-19.	79.8	02500021335m before Hauraki Rd
3163	3590	18.	5	-13.	27.8	3.0	13.	5	-8.	38.5	2.0	31.	10	-21.	32.3	0250009812m before 1st Abut Optonui
9162	8871	30.	23	-7.	76.7	1.1	35.	23	-12.	65.7	1.6	65.	46	-19.	70.8	02500240nth of Gladestone Rd
8872	2948	37.	23	-14.	62.2	1.8	33.	23	-10.	69.7	1.4	70.	46	-24.	65.7	02600075380m past Komata River Bridge
8449	9737	78.	55	-23.	70.5	2.1	82.	54	-28.	65.9	2.4	160.	109	-51.	68.1	02700011Kaihere - Telemetry Site 33
13522	13646	135.	261	126.	193.3	6.3	146.	269	123.	184.2	6.0	281.	530	249.	188.6	01N20482 (NB) 01N10482 (SB) 400m before Horace
8309	8855	33.	14	-19.	42.4	2.7	37.	14	-23.	37.8	3.1	70.	28	-42.	40.0	25A00024 Hkuae - Telemetry Site 76
9559	9719	88.	138	50.	156.8	3.3	94.	137	43.	145.7	2.8	182.	275	93.	151.1	200033By RS peg 32/1
10167	8179	31.	23	-8.	74.2	1.1	35.	23	-12.	65.7	1.6	66.	46	-20.	69.7	2600055515m nth of Patuwaho Stream Bridge
9958	9948	2.	1	-1.	50.0	1.4	2.	2	0.	100.0	0.0	4.	3	-1.	75.0	Taniwha Rd nth of Waiterimu Rd
9689	9691	No Forward Link Present .				1.4	189.	240	51.	127.0	2.5	189.	240	51.	127.0	01N00509 685m sth of Tahuna Overbridge Rangiriri
9685	9629	217.	236	19.	108.8	0.9	No Back Link Present .				217.	236	19.	108.8	01N00509 685m sth of Tahuna Overbridge RangiririB	
9110	10206	80.	73	-7.	91.2	0.6	81.	72	-9.	88.9	0.6	161.	145	-16.	90.1	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	68.	42	-26.	61.8	2.5	54.	42	-12.	77.8	1.2	122.	84	-38.	68.9	003000141- 155m before Gun Club Road
8518	8274	37.	23	-14.	62.2	1.8	39.	21	-18.	53.8	2.4	76.	44	-32.	57.9	SH1 sth of Taupahi Turangi
10323	9789	242.	270	28.	111.6	1.2	231.	279	48.	120.8	2.1	473.	549	76.	116.1	SH1 sth of Tregoweth Huntly
9911	2711	5.	15	10.	300.0	2.4	5.	15	10.	300.0	2.4	10.	30	20.	300.0	Waingaro Road
2852	5739	16.	19	3.	118.8	0.3	12.	19	7.	158.3	1.1	28.	38	10.	135.7	Hakarimata Rd
9962	10693	9.	14	5.	155.6	1.3	9.	15	6.	166.7	1.3	18.	29	11.	161.1	Tahuna Rd east of Rutherford Rd
8549	4246	55.	57	2.	103.6	0.2	59.	63	4.	106.8	0.4	114.	120	6.	105.3	00500138278m past crown road (Taupo)
8792	8552	50.	37	-13.	74.0	1.5	59.	36	-23.	61.0	2.3	109.	73	-36.	67.0	0050012598m before SH1 (Wairakei)
8779	8959	19.	4	-15.	21.1	3.0	9.	3	-6.	33.3	1.9	28.	7	-21.	25.0	0410002950m East of Moerangi Road
8522	8273	18.	7	-11.	38.9	2.4	9.	13	4.	144.4	0.9	27.	20	-7.	74.1	04700046242m before SH41
8308	9964	82.	50	-32.	61.0	2.8	78.	51	-27.	65.4	2.5	160.	101	-59.	63.1	02700011Kaihere - Telemetry Site 33
9145	3918	157.	115	-42.	73.2	2.6	155.	117	-38.	75.5	2.3	312.	232	-80.	74.4	02900034Kaimai - Telemetry Site 12 -1
8996	8387	93.	91	-2.	97.8	0.1	76.	92	16.	121.1	1.2	169.	183	14.	108.3	00500082520m sth of ERP 7713.70 Waiotapu
9550	9831	19.	0	0.	100.0	0.0	14.	19	5.	135.7	0.7	33.	38	5.	115.2	003000035918m past Manaiti Street (Bennydale)
3497	10125	168.	89	-79.	53.0	5.0	118.	81	-37.	68.6	2.7	286.	170	-116.	59.4	00300066800m past SH 37 (Waitomo Road)
3506	8271	8.	5	-3.	62.5	1.2	9.	5	-4.	55.6	1.2	17.	10	-7.	58.8	03100022500m west of Ngutunui Road
3507	8267	11.	17	6.	154.5	1.2	13.	17	4.	130.8	0.8	24.	34	10.	141.7	02300037 - SH23 West of Heddon Ragian
2732	4872	103.	81	-22.	78.6	1.6	124.	80	-44.	64.5	3.1	228.	161	-67.	70.6	00300029- 350m Nth of Saint Ledger Rd
9936	8270	48.	47	-1.	97.9	0.2	41.	43	2.	104.9	0.2	89.	90	1.	101.1	03900052 - SH39 sth of Hanning Piongia
9968	9944	6.	8	2.	133.3	0.5	5.	8	3.	160.0	1.2	11.	16	5.	145.5	Orini Rd
9913	9915	20.	25	5.	125.0	0.6	23.	25	2.	108.7	0.3	43.	50	7.	116.3	Whitikahu Rd
5650	10786	2.	34	32.	****	5.3	4.	34	30.	850.0	4.9	6.	68	62.	****	Scotsman Valley Rd
10707	9924	88.	73	-15.	83.0	1.3	59.	72	13.	122.0	1.2	147.	145	-2.	98.6	02600023150m East of Piako Road
6597	10788	193.	137	-56.	71.0	3.1	189.	134	-55.	70.9	3.0	382.	271	-111.	70.9	01N00580
9841	2607	15.	13	-2.	86.7	0.4	12.	13	1.	108.3	0.0	27.	26	-1.	96.3	Maungatautari Road - North of Hydro Road
4877	6075	24.	37	13.	154.2	1.5	21.	36	15.	171.4	2.1	45.	73	28.	162.2	Golf Road - West Flat Roads
8438	10243	15.	9	-6.	60.0	1.3	7.	9	2.	128.6	0.5	22.	18	-4.	81.8	Pokuru Road
5765	5497	158.	196	38.	124.1	2.0	152.	197	45.	129.6	2.4	310.	393	83.	126.8	*Ngaruawahia Bridge
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	75.	62	-13.	82.7	1.0	34.	59	25.	173.5	2.5	109.	121	12.	111.0	*Bridge St Anglesea to Victoria 109
3509	3670	237.	110	-127.	46.4	6.8	230.	131	-99.	57.0	5.3	466.	241	-225.	51.7	Cobham Dr Bridge RSI 18 SBD
10685	6307	34.	48	14.	141.2	1.5	24.	45	21.	187.5	2.4	58.	93	35.	160.3	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	50.	22	-28.	44.0	3.3	23.	22	-1.	95.7	0.0	73.	44	-29.	60.3	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	23.	93	70.	404.3	6.6	32.	92	60.	287.5	5.4	55.	185	130.	336.4	*Shakepeare Bridge (Cambridge)
4408	8402	66.	69	3.	104.5	0.2	65.	70	5.	107.7	0.5	131.	139	8.	106.1	01N00702Control Gates Bridge (Taupo)

8992	8424	21.	19	-2.	90.5	0.3	37.	19	-18.	51.4	2.4	58.	38	-20.	65.5	03200028230m before Whakamaru Dam
8929	8958	46.	66	20.	143.5	1.9	47.	68	21.	144.7	2.1	93.	134	41.	144.1	SH1 - south of SH30
3938	7174	30.	21	-9.	70.0	1.4	20.	20	0.	100.0	0.0	50.	41	-9.	82.0	Pukete Rd btw Cullimore&Wairere 255
3503	2767	64.	30	-34.	46.9	3.5	42.	9	-33.	21.4	4.8	106.	39	-67.	36.8	Resolution Dr Nth of Wairere Dr 188
3557	3558	44.	35	-9.	79.5	1.1	33.	24	-9.	72.7	1.1	77.	59	-18.	76.6	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	24.	60	36.	250.0	3.9	34.	67	33.	197.1	3.2	58.	127	69.	219.0	Gordonton Rd btw Crosby&Greenhill
5510	2822	5.	23	18.	460.0	3.5	6.	22	16.	366.7	3.0	11.	45	34.	409.1	Holland Rd btw Ruakura&SH1B
5485	2822	19.	50	31.	263.2	3.9	25.	56	31.	224.0	3.6	44.	106	62.	240.9	01B00024100m past Holland Road Intersection
5195	6838	10.	4	-6.	40.0	1.6	10.	4	-6.	40.0	1.6	20.	8	-12.	40.0	Totara Dr - Nth Delamare Rd S325
4745	4746	1.	2	1.	200.0	1.4	1.	2	1.	200.0	1.4	2.	4	2.	200.0	Delamare Rd - North Wairere Dr
3339	3735	50.	57	7.	114.0	0.6	36.	55	19.	152.8	1.9	86.	112	26.	130.2	Tuhikaramea Rd by speed limit sigh 752
4761	5535	157.	113	-44.	72.0	2.7	172.	102	-70.	59.3	4.2	329.	215	-114.	65.3	Ohaupo Rd north of Normandy Ave
4847	8214	95.	31	-64.	32.6	5.7	102.	42	-60.	41.2	5.0	197.	73	-124.	37.1	Normandy Ave north of Bader St
3587	4157	144.	144	0.	100.0	0.0	150.	143	-7.	95.3	0.5	294.	287	-7.	97.6	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	7.	12	5.	171.4	1.4	6.	14	8.	233.3	1.8	13.	26	13.	200.0	Matangi Rd at Bridge 151
4773	4566	1.	37	36.	*****	6.0	3.	35	32.	*****	5.3	4.	72	68.	*****	Gillard Rd South Fletcher Road
2917	3157	114.	112	-2.	98.2	0.1	88.	113	25.	128.4	1.7	202.	225	23.	111.4	00300003- 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	1.	0	-1.	0.0	0.0	1.	0	-1.	0.0	Peacocks Rd North Stubbs Rd
4134	4926	4.	6	2.	150.0	0.6	8.	6	-2.	75.0	0.5	12.	12	0.	100.0	Newell Rd
2786	3907	222.	137	-85.	61.7	4.5	196.	135	-61.	68.9	3.4	417.	272	-145.	65.2	01N00559 - 355m past Cherry Lane (Tamahere Motel)
4449	4470	46.	61	15.	132.6	1.4	53.	67	14.	126.4	1.3	99.	128	29.	129.3	Victoria Road (Taylor/Hautapu)
5929	8294	3.	9	6.	300.0	1.9	7.	10	3.	142.9	1.0	10.	19	9.	190.0	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	85.	105	20.	123.5	1.5	85.	103	18.	121.2	1.3	170.	208	38.	122.4	01N00563 - SH1N 120m soth of Pickering Road
4554	4553	57.	101	44.	177.2	3.5	58.	100	42.	172.4	3.3	115.	201	86.	174.8	003000121510 past SH21 Airport Road
6075	10261	20.	12	-8.	60.0	1.4	14.	12	-2.	85.7	0.4	34.	24	-10.	70.6	18000m Cambridge Rd Rural
9402	5417	56.	26	-30.	46.4	3.3	60.	27	-33.	45.0	3.7	116.	53	-63.	45.7	Alexandra Street 186
3500	5456	19.	11	-8.	57.9	1.5	44.	11	-33.	25.0	4.6	63.	22	-41.	34.9	203 Te Kowhai Road at city Boundary
7548	5566	15.	15	0.	100.0	0.0	13.	15	2.	115.4	0.4	28.	30	2.	107.1	152 Rotokauri Road - North of Brymer
3373	4770	18.	14	-4.	77.8	0.7	15.	14	-1.	93.3	0.0	33.	28	-5.	84.8	54 Newcastle Road - Opposite Microwave Station
10595	2720	2.	8	6.	400.0	1.9	2.	8	6.	400.0	1.9	4.	16	12.	400.0	S319 Exelby Road btw Kauri & Burbush
6610	6644	23.	29	6.	126.1	0.8	22.	30	8.	136.4	1.1	45.	59	14.	131.1	02300004- 40m East of Newcastle Road
7164	5645	31.	15	-16.	48.4	2.4	34.	15	-19.	44.1	2.9	65.	30	-35.	46.2	Ruffell Rd Nth of Te Kowhai Rd 176
3287	3512	53.	74	21.	139.6	2.0	51.	68	17.	133.3	1.7	104.	142	38.	136.5	Te Kowhai Rd East of Tasman Rd 166
3476	4904	51.	48	-3.	94.1	0.2	24.	46	22.	191.7	2.6	75.	94	19.	125.3	Forest lake Rd railway underpass 63/64
3456	4721	63.	77	14.	122.2	1.2	52.	80	28.	153.8	2.4	115.	157	42.	136.5	Norton Rd at railway 718 11 May
5199	2654	49.	35	-14.	71.4	1.5	46.	32	-14.	69.6	1.6	95.	67	-28.	70.5	Killarney Rd Railway crossing 1419-Nov
3175	4709	176.	160	-16.	90.9	0.9	114.	153	39.	134.2	2.3	290.	313	23.	107.9	01N00552 120m east of Railway Crossing
3168	4788	5.	6	1.	120.0	0.6	14.	6	-8.	42.9	1.8	19.	12	-7.	63.2	Collins Rd railway crossing 149
4111	10565	25.	44	19.	176.0	2.4	25.	44	19.	176.0	2.4	50.	88	38.	176.0	02600002875m West of Lisette Road
7024	7788	5.	3	-2.	60.0	0.8	5.	3	-2.	60.0	0.8	10.	6	-4.	60.0	Powells Rd btw Alderson&Raymond S309
10696	10598	17.	32	15.	188.2	2.3	16.	35	19.	218.8	2.5	33.	67	34.	203.0	Puketaha Rd
3921	3920	16.	52	36.	325.0	4.4	18.	51	33.	283.3	3.9	34.	103	69.	302.9	Ruakura Rd East of Silverdale 155
7789	8078	3.	3	0.	100.0	0.0	3.	3	0.	100.0	0.0	6.	6	0.	100.0	Fairview St btw Wattle&Radiata S307
5452	10678	15.	40	25.	266.7	3.5	16.	39	23.	243.8	3.0	31.	79	48.	254.8	02600009 700m east of Platt Rd
5614	5613	33.	53	20.	160.6	2.2	25.	47	22.	188.0	2.6	58.	100	42.	172.4	01B00015 500m past Gordonton Rd/Taylor
4800	4799	219.	200	-19.	91.3	0.9	220.	202	-18.	91.8	0.9	439.	402	-37.	91.6	01N00529 100m sth of Hopu Hopu Rail Bridge
9521	10776	67.	89	22.	132.8	1.8	61.	86	25.	141.0	2.2	128.	175	47.	136.7	00300038335m nth of Wharepuhanga Road
10193	8493	32.	29	-3.	90.6	0.5	38.	29	-9.	76.3	1.2	70.	58	-12.	82.9	00500000217m past SH1 (Tirau)
10192	8565	156.	101	-55.	64.7	3.5	136.	104	-32.	76.5	2.1	292.	205	-87.	70.2	01N00620 Lichfield Telemetry Site 21 sth of Baldn Rd
10158	10169	142.	90	-52.	63.4	3.4	129.	90	-39.	69.8	2.6	271.	180	-91.	66.4	02400001120m East of Tower Road RAB
9264	9924	36.	43	7.	119.4	0.7	33.	43	10.	130.3	1.2	69.	86	17.	124.6	02600022855m West of Piako Road (Motumaoho)
8458	9591	168.	89	-79.	53.0	5.0	167.	88	-79.	52.7	4.9	335.	177	-158.	52.8	02700065200m sth of Matamata Airport Entrance
9573	9842	67.	27	-40.	40.3	4.2	66.	27	-39.	40.9	4.2	133.	54	-79.	40.6	02700083320m past SH29
9126	9119	37.	25	-12.	67.6	1.5	50.	38	-12.	76.0	1.3	87.	63	-24.	72.4	02800000163m past SH1 (Putaruru)
9655	9515	72.	66	-6.	91.7	0.5	60.	66	6.	110.0	0.5	132.	132	0.	100.0	02800009245m past SH5 (Whites Road)
9544	8486	59.	46	-13.	78.0	1.2	66.	48	-18.	72.7	1.7	125.	94	-31.	75.2	02900057450m East of McNab Road
9854	9873	74.	54	-20.	73.0	1.8	91.	55	-36.	60.4	3.0	165.	109	-56.	66.1	02900069200m sth of Totman Road
8527	8528	41.	34	-7.	82.9	0.7	47.	34	-13.	72.3	1.3	88.	68	-20.	77.3	003000110133m past SH
8666	8698	86.	90	4.	104.7	0.3	118.	89	-29.	75.4	2.1	204.	179	-25.	87.7	00200106500m East of Athenree Road (Tauranga Si
3613	8728	168.	143	-25.	85.1	1.5	147.	142	-5.	96.6	0.2	315.	285	-30.	90.5	00200141near Tga RSI Site 23
3925	9138	26.	0	-26.	0.0	5.1	28.	0	-28.	0.0	5.3	54.	0	-54.	0.0	03600012760m sth of Williams Rd
10796	10798	177.	178	1.	100.6	0.1	180.	189	9.	105.0	0.4	357.	367	10.	102.8	00200187Near Tga RSI Site 21
10727	8529	10.	6	-4.	60.0	1.0	13.	6	-7.	46.2	1.4	23.	12	-11.	52.2	03200074west of Taupo - Telemetry Site
4558	8578	78.	44	-34.	56.4	3.1	68.	47	-21.	69.1	2.1	146.	91	-55.	62.3	01N00729 Halletts Bay - Telemetry Site

8740	4352	32.	39	7.	121.9	0.7	39.	37	-2.	94.9	0.2	71.	76	5.	107.0	01N00705 100m nth of SH5 (East to Napi
8932	8740	35.	34	-1.	97.1	0.0	39.	33	-6.	84.6	0.7	74.	67	-7.	90.5	01N00706 300m Sth of SH5
8635	8551	31.	15	-16.	48.4	2.4	32.	16	-16.	50.0	2.3	63.	31	-32.	49.2	01N00700 at RS peg 606/5.07

Number of links = 123 Number of forward links = 120 Number of back links = 121

TOTALS	FORWARD	BACK	TOTALS	
COUNT	7630.	7341.	14970.	
VOLUME	7286.	7321.	14607.	
CHANGE	-344.	-20.	-363.	
%	95.	100.	98.	
CORREL.				
COEFF.	0.848	0.855	0.847	
%RMS	55.53	56.99	52.71	
r^2	0.720	0.732	0.717	
GEH	2.8	0.2	2.1	
GEH <5	<7	<10	<12	>12
#	223	241	241	0
%	92.5	100.0	100.0	0.0

CORDON terminated successfully

Evening Peak Screenline Validation Output Files – Heavy Vehicle

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+-----+
| 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 : 20-OCT-14 | RACKS TR |
| TRACKS T | Time run : 16:12:40 | 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 : "PMP_RTH.DAT"
 Loaded Network : "WL13B0PHVDB0.NL"
 27830 Links in network

Cordon Number : 1
 Description : *screenline 1 - Waikato River Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
5765	5497	189.	190	1.	100.5	0.1	162.	147	-15.	90.7	0.9	351.	337	-14.	96.0	*Ngaruawahia Bridge	(Generalised HVY Percentage)
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD	
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD	
8233	9824	110.	47	-63.	42.7	5.1	19.	36	17.	189.5	2.4	129.	83	-46.	64.3	*Bridge St Anglesea to Victoria 109	
3509	3670	122.	73	-49.	59.8	3.6	159.	94	-65.	59.1	4.0	281.	167	-114.	59.4	Cobham Dr Bridge RSI 18 SBD	
10685	6307	40.	36	-4.	90.0	0.5	25.	32	7.	128.0	1.1	65.	68	3.	104.6	Airport Rd - 02100004 Sth of Lochiel Rd	
6550	6432	46.	17	-29.	37.0	3.8	17.	15	-2.	88.2	0.4	63.	32	-31.	50.8	*Victoria St (Cambridge) - Alpha to Duke	
6171	10228	28.	68	40.	242.9	4.1	38.	67	29.	176.3	2.7	66.	135	69.	204.5	*Shakespeare Bridge (Cambridge)	
4408	8402	105.	42	-63.	40.0	5.1	52.	46	-6.	88.5	0.6	157.	88	-69.	56.1	01N00702 Control Gates Bridge (Taupo)	(Generalised HVY Percentage)
9841	2607	15.	9	-6.	60.0	1.3	8.	9	1.	112.5	0.0	23.	18	-5.	78.3	Maungatautari Road - North of Hydro Road	(Generalised HVY Percentage)
8992	8424	15.	14	-1.	93.3	0.0	20.	15	-5.	75.0	1.0	35.	29	-6.	82.9	03200028 230m before Whakamaru Dam	
8929	8958	29.	64	35.	220.7	3.8	61.	64	3.	104.9	0.4	90.	128	38.	142.2	SH1 - south of SH30	

Number of links = 10 Number of forward links = 10 Number of back links = 10

TOTALS	FORWARD	BACK	TOTALS
COUNT	699.	561.	1260.
VOLUME	560.	525.	1085.
CHANGE	-139.	-36.	-175.
%	80.	94.	86.
CORREL.			
COEFF.	0.785	0.918	0.880
%RMS	56.54	44.88	43.71
r^2	0.617	0.842	0.774
GEH	3.9	1.1	3.6
GEH <5	<7	<10	<12
#	18	20	20
%	90.0	100.0	100.0

Cordon Number : 2
 Description : *screenline 2 - Hamilton Model External

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
2732	4872	80.	59	-21.	73.8	1.9	113.	57	-56.	50.4	4.3	193.	116	-77.	60.1	00300029- 350m Nth of Saint Ledger Rd
9936	8270	37.	43	6.	116.2	0.7	32.	40	8.	125.0	0.9	69.	83	14.	120.3	03900052 - SH39 sth of Hanning Piongia
3507	8267	15.	12	-3.	80.0	0.4	33.	12	-21.	36.4	3.0	48.	24	-24.	50.0	02300037 - SH23 90m East of Wrights Road
10323	9789	240.	284	44.	118.3	1.9	223.	215	-8.	96.4	0.4	463.	499	36.	107.8	SH1 sth of Tregoweth Huntly
9911	2711	3.	10	7.	333.3	2.3	3.	10	7.	333.3	2.3	6.	20	14.	333.3	Waingaro Road
2854	2853	8.	11	3.	137.5	0.5	7.	10	3.	142.9	1.0	15.	21	6.	140.0	Hakarimata Rd
9968	9944	3.	5	2.	166.7	0.8	4.	5	1.	125.0	0.0	7.	10	3.	142.9	Orini Rd
9913	9915	10.	17	7.	170.0	1.2	13.	17	4.	130.8	0.8	23.	34	11.	147.8	Whitikahu Rd
5650	10786	3.	23	20.	766.7	4.1	6.	23	17.	383.3	3.0	9.	46	37.	511.1	Scotsman Valley Rd
10707	9924	80.	49	-31.	61.2	2.8	57.	51	-6.	89.5	0.6	137.	100	-37.	73.0	02600023 150m East of Piako Road
6597	10788	142.	113	-29.	79.6	1.9	180.	130	-50.	72.2	2.8	322.	243	-79.	75.5	01N00580
9841	2607	15.	9	-6.	60.0	1.3	8.	9	1.	112.5	0.0	23.	18	-5.	78.3	Maungatautari Road - North of Hydro Road
4817	4877	20.	5	-15.	25.0	3.3	15.	5	-10.	33.3	2.4	35.	10	-25.	28.6	Golf Road - West Flat Roads
8438	10243	7.	6	-1.	85.7	0.0	7.	6	-1.	85.7	0.0	14.	12	-2.	85.7	Pokuru Road

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	663.	701.	1364.
VOLUME	646.	590.	1236.
CHANGE	-17.	-111.	-128.
%	97.	84.	91.
CORREL.			
COEFF.	0.966	0.962	0.966
%RMS	41.40	45.36	38.18
r^2	0.934	0.925	0.933
GEH	0.4	3.1	2.5
GEH <5	<7	<10	<12
#	28	28	28
%	100.0	100.0	100.0

Cordon Number : 3
 Description : *screenline 3 -Waikato Model External Co

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME			CHANGE	%
9110	10206	57.	56	-1.	98.2	0.0	69.	71	2.	102.9	0.2	126.	127	1.	100.8	SH5 - sth of Maraeroa Rd Rotorua	(Generalised HVY Percentage)
4051	8384	34.	29	-5.	85.3	0.8	40.	31	-9.	77.5	1.2	74.	60	-14.	81.1	03000141 - 155m before Gun Club Road	
8518	8274	38.	18	-20.	47.4	2.7	26.	18	-8.	69.2	1.2	64.	36	-28.	56.2	SH1 sth of Taupahi Turangi	(Generalised HVY Percentage)
10323	9789	240.	284	44.	118.3	1.9	223.	215	-8.	96.4	0.4	463.	499	36.	107.8	SH1 sth of Tregoweth Huntly	
9911	2711	3.	10	7.	333.3	2.3	3.	10	7.	333.3	2.3	6.	20	14.	333.3	Waingaro Road	
2854	2853	8.	11	3.	137.5	0.5	7.	10	3.	142.9	1.0	15.	21	6.	140.0	Hakarimata Rd	
9962	10693	7.	6	-1.	85.7	0.0	11.	11	0.	100.0	0.0	18.	17	-1.	94.4	Tahuna Rd east of Rutherford Rd	
9958	9948	1.	1	0.	100.0	0.0	2.	1	-1.	50.0	1.4	3.	2	-1.	66.7	Taniwha Rd nth of Waiterimu Rd	
8549	4246	35.	43	8.	122.9	0.9	48.	41	-7.	85.4	0.9	83.	84	1.	101.2	00500138 278m past crown road (Taupo)	
8792	8552	34.	24	-10.	70.6	1.3	57.	28	-29.	49.1	3.1	91.	52	-39.	57.1	00500125 98m before SH1 (Wairakei)	
8779	8959	13.	4	-9.	30.8	2.0	5.	4	-1.	80.0	0.0	18.	8	-10.	44.4	04100029 50m East of Moerangi Road	
8522	8273	17.	9	-8.	52.9	1.6	6.	16	10.	266.7	2.1	23.	25	2.	108.7	04700046 242m before SH41	
8449	9737	69.	50	-19.	72.5	1.7	83.	67	-16.	80.7	1.3	152.	117	-35.	77.0	02700011 Kaihere - Telemetry Site 33	
10167	8179	31.	16	-15.	51.6	2.1	24.	15	-9.	62.5	1.6	55.	31	-24.	56.4	02600055 515m nth of Patuwahao Stream Bridge	
9145	3918	154.	88	-66.	57.1	4.2	134.	96	-38.	71.6	2.5	288.	184	-104.	63.9	02900034 Kaimai - Telemetry Site 12 -1	
8996	8387	122.	58	-64.	47.5	4.8	62.	66	4.	106.5	0.4	184.	124	-60.	67.4	00500082 520m sth of ERP 7713.70 Waitapu	
9550	9831	12.	12	0.	100.0	0.0	13.	12	-1.	92.3	0.0	25.	24	-1.	96.0	03000035 918m past Manaiti Street (Bennydale)	
3497	10125	103.	73	-30.	70.9	2.3	83.	70	-13.	84.3	1.0	186.	143	-43.	76.9	00300066 800m past SH 37 (Waitomo Road)	
3506	8271	3.	4	1.	133.3	0.8	8.	4	-4.	50.0	1.2	11.	8	-3.	72.7	03100022 500m west of Ngutunui Road	
3507	8267	15.	12	-3.	80.0	0.4	33.	12	-21.	36.4	3.0	48.	24	-24.	50.0	02300037 - SH23 West of Heddon Ragian	(Generalised HVY Percentage)

Number of links = 20 Number of forward links = 20 Number of back links = 20

	TOTALS	FORWARD	BACK	TOTALS
COUNT	996.	937.	1933.	1933.
VOLUME	808.	798.	1606.	1606.
CHANGE	-188.	-139.	-327.	-327.
%	81.	85.	83.	83.
CORREL.				
COEFF.	0.926	0.977	0.965	0.965
%RMS	51.87	29.73	35.83	35.83
r^2	0.857	0.955	0.930	0.930
GEH	4.4	3.3	5.5	5.5
GEH <5	<7	<10	<12	>12
#	40	40	40	0
%	100.0	100.0	100.0	0.0

Cordon Number : 4
 Description : *screenline 4 - Rest of Hamilton

NODE1	NODE2	FORWARD					BACK					TOTAL				Description		
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%			
5452	10678	46.	27	-19.	58.7	2.4	38.	28	-10.	73.7	1.2	84.	55	-29.	65.5	02600009	700m east of Platt Rd	(Generalised HVY Percentage)
5614	5613	33.	47	14.	142.4	1.6	25.	62	37.	248.0	4.1	58.	109	51.	187.9	01B00015	500m past Gordonton Rd/Taylor	
5485	2822	19.	64	45.	336.8	5.1	29.	48	19.	165.5	2.3	48.	112	64.	233.3	01B00024	100m past Holland Rd Intersection	
4800	4799	224.	194	-30.	86.6	1.5	120.	149	29.	124.2	1.7	344.	343	-1.	99.7	01N00529	100m sth of Hopu Hopu Rail Bridge	(Generalised HVY Percentage)
5849	5690	109.	81	-28.	74.3	2.0	155.	75	-80.	48.4	5.3	264.	156	-108.	59.1	01N00563	120m sth of Pickering Rd	(Generalised HVY Percentage)
4111	10565	39.	28	-11.	71.8	1.2	37.	30	-7.	81.1	0.7	76.	58	-18.	76.3	02600002	875m west of Lisette Rd	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	470.	404.	874.
VOLUME	441.	392.	833.
CHANGE	-29.	-12.	-41.
%	94.	97.	95.
CORREL.			
COEFF.	0.937	0.659	0.870
%RMS	37.81	63.43	42.90
r^2	0.878	0.435	0.757
GEH	1.0	0.4	1.0
GEH <5	<7	<10	<12
#	10	12	12
%	83.3	100.0	100.0

Cordon Number : 5
 Description : *screenline 5 - North

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
8305	8830	48.	74	26.	154.2	2.4	44.	54	10.	122.7	1.0	92.	128	36.	139.1	00200052 650m past Orchard Rd	(Generalised HVY Percentage)
3384	8873	34.	72	38.	211.8	3.7	42.	54	12.	128.6	1.2	76.	126	50.	165.8	00200066 986m past of Awaiti Rd	
8720	8320	88.	72	-16.	81.8	1.3	65.	88	23.	135.4	1.9	153.	160	7.	104.6	00200091 Waihi - Telemetry Site 34 - E	
8306	8739	23.	27	4.	117.4	0.6	49.	32	-17.	65.3	1.8	72.	59	-13.	81.9	02500021 335m before Hauraki Rd	
3163	3590	9.	4	-5.	44.4	1.2	9.	4	-5.	44.4	1.2	18.	8	-10.	44.4	02500098 12m before 1st Abut Opononui	
9162	8871	12.	16	4.	133.3	0.8	26.	16	-10.	61.5	1.5	38.	32	-6.	84.2	02500240 nth of Gladestone Rd	
8826	8868	60.	71	11.	118.3	0.9	53.	87	34.	164.2	2.9	113.	158	45.	139.8	02600075 380m past Komata River Bridge	
8449	9737	69.	50	-19.	72.5	1.7	83.	67	-16.	80.7	1.3	152.	117	-35.	77.0	02700011 Kaihere - Telemetry Site 33	
13522	13646	191.	284	93.	148.7	4.3	198.	205	7.	103.5	0.3	389.	489	100.	125.7	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Road	
8309	8855	18.	11	-7.	61.1	1.5	31.	13	-18.	41.9	2.8	49.	24	-25.	49.0	25A00024 Hkuae - Telemetry Site 76	
9559	9719	101.	122	21.	120.8	1.5	118.	166	48.	140.7	2.8	219.	288	69.	131.5	00200033 By RS peg 32/1	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	653.	718.	1371.
VOLUME	803.	786.	1589.
CHANGE	150.	68.	218.
%	123.	109.	116.

CORREL.

COEFF.	0.955	0.945	0.976
%RMS	58.49	35.19	38.30
r^2	0.912	0.893	0.953
GEH	3.9	1.8	4.0

GEH	<5	<7	<10	<12	>12
#	22	22	22	22	0
%	100.0	100.0	100.0	100.0	0.0

Cordon Number : 6
 Description : *screenline 6 - Tauranga

NODE1	NODE2	FORWARD				BACK				TOTAL							
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%	
3613	8728	138.	120	-18.	87.0	1.1	124.	107	-17.	86.3	1.2	262.	227	-35.	86.6	00200141 near Tga RSI Site 23	
9145	3918	154.	88	-66.	57.1	4.2	134.	96	-38.	71.6	2.5	288.	184	-104.	63.9	02900034 Kaimai - Telemetry Site 12 - 1	
3925	9138	23.	0	-23.	0.0	4.7	18.	0	-18.	0.0	4.2	41.	0	-41.	0.0	03600012 760m sth of Williams Rd	
10796	10798	112.	123	11.	109.8	0.7	151.	138	-13.	91.4	0.7	263.	261	-2.	99.2	00200187 Near Tga RSI Site 21	(Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	427.	427.	854.
VOLUME	331.	341.	672.
CHANGE	-96.	-86.	-182.
%	78.	80.	79.

CORREL.

COEFF.	0.850	0.983	0.933
%RMS	39.49	25.52	31.68
r^2	0.722	0.965	0.870
GEH	3.5	3.1	4.7

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

Cordon Number : 7
 Description : *screenline 7 - South

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
10727	8529	7.	4	-3.	57.1	0.6	8.	4	-4.	50.0	1.2	15.	8	-7.	53.3	03200074 west of Taupo - Telemetry Site
4558	8578	67.	38	-29.	56.7	2.7	50.	45	-5.	90.0	0.6	117.	83	-34.	70.9	01N00729 Halletts Bay - Telemetry Site
8740	4352	30.	21	-9.	70.0	1.4	56.	23	-33.	41.1	3.8	86.	44	-42.	51.2	01N00705 100m nth of SH5 (East to Napi)
8932	8740	38.	19	-19.	50.0	2.7	56.	21	-35.	37.5	4.1	94.	40	-54.	42.6	01N00706 300m Sth of SH5
8635	8755	26.	12	-14.	46.2	2.3	50.	10	-40.	20.0	5.2	76.	22	-54.	28.9	01N00700 at RS peg 606/5.07
4408	8402	105.	42	-63.	40.0	5.1	52.	46	-6.	88.5	0.6	157.	88	-69.	56.1	01N00702 Control Gates Bridge (Taupo)
8549	4246	35.	43	8.	122.9	0.9	48.	41	-7.	85.4	0.9	83.	84	1.	101.2	00500138 278m past Crown Rd (Taupo)

(Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)
 (Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	308.	320.	628.
VOLUME	179.	190.	369.
CHANGE	-129.	-130.	-259.
%	58.	59.	59.
CORREL.			
COEFF.	0.758	0.531	0.803
%RMS	68.94	56.76	53.00
r^2	0.575	0.282	0.644
GEH	5.9	5.8	8.2

GEH	<5	<7	<10	<12	>12
#	12	14	14	14	0
%	85.7	100.0	100.0	100.0	0.0

Cordon Number : 8
 Description : *screenline 8 Eastern Waikato Rural

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
9521	10776	86.	66	-20.	76.7	1.6	75.	65	-10.	86.7	0.9	161.	131	-30.	81.4	00300038 335m nth of Wharepuhanga Road (Generalised HVY Percentage)
3497	10125	103.	73	-30.	70.9	2.3	83.	70	-13.	84.3	1.0	186.	143	-43.	76.9	00300066 800m past State Highway 37 (Waitomo Rd)
10193	8493	30.	20	-10.	66.7	1.4	31.	26	-5.	83.9	0.5	61.	46	-15.	75.4	00500000 217m past SH1 (Tirau)
8996	8387	122.	58	-64.	47.5	4.8	62.	66	4.	106.5	0.4	184.	124	-60.	67.4	00500082 520M Sth of ERP 77/3.70, Waiotapu
10192	8565	121.	93	-28.	76.9	1.9	90.	90	0.	100.0	0.0	211.	183	-28.	86.7	01N00620 Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	119.	84	-35.	70.6	2.4	97.	71	-26.	73.2	2.0	216.	155	-61.	71.8	02400001 120m East of Tower Road RAB
9264	9924	36.	30	-6.	83.3	0.7	31.	30	-1.	96.8	0.0	67.	60	-7.	89.6	02600022 855m West of Piako Road (Motumaoho)
10167	8179	31.	16	-15.	51.6	2.1	24.	15	-9.	62.5	1.6	55.	31	-24.	56.4	02600055 515m Nth of Patuwahao Stream Bridge
8458	9591	166.	87	-79.	52.4	5.0	137.	74	-63.	54.0	4.3	303.	161	-142.	53.1	02700065 200m sth of Matamata Airport Entrance
9573	9842	69.	20	-49.	29.0	5.1	49.	21	-28.	42.9	3.4	118.	41	-77.	34.7	02700083 320m past SH29 (Generalised HVY Percentage)
9126	9119	26.	11	-15.	42.3	2.7	44.	28	-16.	63.6	1.9	70.	39	-31.	55.7	02800000 163m past SH1 (Putaruru)
9655	9515	46.	62	16.	134.8	1.5	50.	55	5.	110.0	0.4	96.	117	21.	121.9	02800009 245m past SH5 (Whites Road)
9544	8486	44.	36	-8.	81.8	0.9	50.	40	-10.	80.0	1.1	94.	76	-18.	80.9	02900057 450m East of McNab Road
9854	9873	61.	42	-19.	68.9	1.8	71.	44	-27.	62.0	2.4	132.	86	-46.	65.2	02900069 200m sth of Totman Road
9550	9831	12.	12	0.	100.0	0.0	13.	12	-1.	92.3	0.0	25.	24	-1.	96.0	03000035 918m past Manaiti St (Bennydale)
8527	8528	35.	24	-11.	68.6	1.3	36.	25	-11.	69.4	1.5	71.	49	-22.	69.0	03000110 133m past SH
4051	8384	34.	29	-5.	85.3	0.8	40.	31	-9.	77.5	1.2	74.	60	-14.	81.1	03000141 155m before Gun Club Rd
3506	8271	3.	4	1.	133.3	0.8	8.	4	-4.	50.0	1.2	11.	8	-3.	72.7	03100022 500m West of Ngutunui Rd
8992	8424	15.	14	-1.	93.3	0.0	20.	15	-5.	75.0	1.0	35.	29	-6.	82.9	03200028 230m before Whakamaru Dam
9689	9691	No Forward Link Present .					167.	188	21.	112.6	1.2	167.	188	21.	112.6	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	165.	263	98.	159.4	4.7	No Back Link Present .					165.	263	98.	159.4	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 21 Number of forward links = 20 Number of back links = 20

TOTALS	FORWARD	BACK	TOTALS
COUNT	1324.	1178.	2502.
VOLUME	1044.	970.	2014.
CHANGE	-280.	-208.	-488.
%	79.	82.	80.
CORREL.			
COEFF.	0.795	0.914	0.803
%RMS	57.01	33.99	42.97
r^2	0.633	0.836	0.645
GEH	5.8	4.5	7.3
GEH <5	<7	<10	<12
#	38	40	40
%	95.0	100.0	100.0

Cordon Number : 9
 Description : *screenline 9 - Railway

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
7164	5645	25.	7	-18.	28.0	3.3	22.	10	-12.	45.5	2.1	47.	17	-30.	36.2	Ruffell Rd Nth of Te Kowhat Rd 176
3287	3512	37.	53	16.	143.2	1.7	52.	45	-7.	86.5	0.8	89.	98	9.	110.1	Te Kowhai Rd East of Tasman Rd 166
3476	4904	50.	33	-17.	66.0	2.0	22.	28	6.	127.3	0.8	72.	61	-11.	84.7	Forest lake Rd railway underpass 63/64
3456	4721	32.	34	2.	106.2	0.2	42.	62	20.	147.6	2.0	74.	96	22.	129.7	Norton Rd at railway 718 11 May
5199	2654	48.	29	-19.	60.4	2.3	32.	22	-10.	68.8	1.4	80.	51	-29.	63.8	Killarney Rd Railway crossing 1419-Nov
3175	4709	241.	100	-141.	41.5	7.6	138.	110	-28.	79.7	1.8	379.	210	-169.	55.4	01N00552 120m east of Railway Crossing
3168	4788	3.	5	2.	166.7	0.8	10.	5	-5.	50.0	1.6	13.	10	-3.	76.9	Collins Rd railway crossing 149

(Generalised HVY Percentage)
 (Generalised HVY Percentage)

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	436.	318.	754.		
VOLUME	261.	282.	543.		
CHANGE	-175.	-36.	-211.		
%	60.	89.	72.		
CORREL.					
COEFF.	0.908	0.942	0.932		
%RMS	95.25	35.24	66.73		
r^2	0.825	0.888	0.869		
GEH	6.7	1.5	5.9		
GEH <5 <7 <10 <12 >12					
#	13	13	14	14	0
%	92.9	92.9	100.0	100.0	0.0

Cordon Number : 10
 Description : *screenline 10 Hamilton Bridges

NODE1	NODE2	FORWARD					BACK					TOTAL				
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	29 RSI 16 Claudelands Rd Bridge RSI 16 WB
8233	9824	110.	47	-63.	42.7	5.1	19.	36	17.	189.5	2.4	129.	83	-46.	64.3	*Bridge St Anglesea to Victoria 109
3509	3670	122.	73	-49.	59.8	3.6	159.	94	-65.	59.1	4.0	281.	167	-114.	59.4	Cobham Drive Bridge RSI 18 SBD

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

TOTALS	FORWARD	BACK	TOTALS		
COUNT	232.	178.	410.		
VOLUME	120.	130.	250.		
CHANGE	-112.	-48.	-160.		
%	52.	73.	61.		
CORREL.					
COEFF.	1.000	1.000	1.000		
%RMS	68.80	75.49	59.97		
r^2	1.000	1.000	1.000		
GEH	6.0	2.7	6.2		
GEH <5 <7 <10 <12 >12					
#	3	4	4	4	0
%	75.0	100.0	100.0	100.0	0.0

Cordon Number : 11
 Description : *screenline 11 - East HCC

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
4111	10565	39.	28	-11.	71.8	1.2	37.	30	-7.	81.1	0.7	76.	58	-18.	76.3	02600002 875m West of Lissette Road	(Generalised HVY Percentage)
7024	7788	9.	2	-7.	22.2	1.9	5.	2	-3.	40.0	0.8	14.	4	-10.	28.6	Powells Rd btw Alderson&Raymond S309	
10696	10598	7.	21	14.	300.0	2.7	12.	22	10.	183.3	1.7	19.	43	24.	226.3	Puketaha Rd	
3921	3920	16.	36	20.	225.0	2.8	26.	33	7.	126.9	0.8	42.	69	27.	164.3	Ruakura Rd East of Silverdale 155	
7789	8078	6.	2	-4.	33.3	1.4	4.	2	-2.	50.0	0.8	10.	4	-6.	40.0	Fairview St btw Wattle&Radiata S307	

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	77.	84.	161.
VOLUME	89.	89.	178.
CHANGE	12.	5.	17.
%	116.	106.	111.
CORREL.			
COEFF.	0.561	0.881	0.748
%RMS	90.79	43.23	65.24
r^2	0.315	0.776	0.560
GEH	0.9	0.3	1.0
GEH <5	<7	<10	<12 >12
#	10	10	10 0
%	100.0	100.0	100.0 0.0

Cordon Number : 12
 Description : *screenline 12 - North HCC

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
3938	7174	28.	15	-13.	53.6	2.2	16.	13	-3.	81.2	0.8	44.	28	-16.	63.6	Pukete Rd btw Cullimore&Wairere 255	
3503	2767	56.	21	-35.	37.5	4.1	39.	25	-14.	64.1	1.8	95.	46	-49.	48.4	Resolution Dr Nth of Wairere Dr 188	
3558	3557	41.	18	-23.	43.9	2.9	30.	15	-15.	50.0	2.4	71.	33	-38.	46.5	Hukanui Rd Nth of Wairere Dr 264/416	
3932	4978	31.	47	16.	151.6	1.8	37.	45	8.	121.6	0.9	68.	92	24.	135.3	Gordonton Rd btw Crosby&Greenhill	
5510	2822	4.	16	12.	400.0	2.7	5.	14	9.	280.0	2.4	9.	30	21.	333.3	Holland Rd btw Ruakura&SH1B	
5485	2822	19.	64	45.	336.8	5.1	29.	48	19.	165.5	2.3	48.	112	64.	233.3	01B00024 100m past Holland Road Intersection	
5195	6838	12.	4	-8.	33.3	2.0	14.	4	-10.	28.6	2.4	26.	8	-18.	30.8	Totara Dr - Nth Delamare Rd S325	
4745	4746	1.	1	0.	100.0	0.0	1.	1	0.	100.0	0.0	2.	2	0.	100.0	Delamare Rd - North Wairere Dr	

Number of links = 8 Number of forward links = 8 Number of back links = 8

TOTALS	FORWARD	BACK	TOTALS
COUNT	192.	171.	363.
VOLUME	186.	165.	351.
CHANGE	-6.	-6.	-12.
%	97.	96.	97.
CORREL.			
COEFF.	0.231	0.728	0.473
%RMS	104.61	56.91	81.35
r^2	0.054	0.531	0.224
GEH	0.3	0.3	0.4
GEH <5	<7	<10	<12 >12
#	15	16	16 0
%	93.8	100.0	100.0 0.0

Cordon Number : 13
 Description : *screenline 13 - South HCC

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
3339	3735	35.	39	4.	111.4	0.5	26.	39	13.	150.0	1.5	61.	78	17.	127.9	Tuhikaramea Rd by speed limit sigh 752
4761	5535	86.	79	-7.	91.9	0.6	148.	60	-88.	40.5	6.1	234.	139	-95.	59.4	Ohaupo Rd north of Normandy Ave
4847	8214	60.	19	-41.	31.7	4.8	115.	37	-78.	32.2	6.4	175.	56	-119.	32.0	Normandy Ave north of Bader St
3587	4157	180.	112	-68.	62.2	4.0	222.	103	-119.	46.4	6.7	402.	215	-187.	53.5	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	11.	8	-3.	72.7	0.5	6.	8	2.	133.3	0.5	17.	16	-1.	94.1	Matangi Rd at Bridge 151

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	372.	517.	889.
VOLUME	257.	247.	504.
CHANGE	-115.	-270.	-385.
%	69.	48.	57.
CORREL.			
COEFF.	0.920	0.919	0.931
%RMS	53.68	81.15	67.98
r^2	0.847	0.845	0.867
GEH	4.6	9.8	10.3
GEH <5	<7	<10	<12
#	7	10	10
%	70.0	100.0	100.0

Cordon Number : 14
 Description : *screenline 14 - Cambridge Counts

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
4449	4470	37.	68	31.	183.8	3.1	38.	56	18.	147.4	1.9	75.	124	49.	165.3	Victoria Road (Taylor/Hautapu)
5929	8294	3.	6	3.	200.0	1.4	4.	7	3.	175.0	0.6	7.	13	6.	185.7	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	104.	81	-23.	77.9	1.8	135.	75	-60.	55.6	4.2	239.	156	-83.	65.3	01N00563 - SH1N 120m soth of Pickering Road (Generalised HVY Percentage)

Number of links = 3 Number of forward links = 3 Number of back links = 3

TOTALS	FORWARD	BACK	TOTALS
COUNT	144.	177.	321.
VOLUME	155.	138.	293.
CHANGE	11.	-39.	-28.
%	108.	78.	91.
CORREL.			
COEFF.	0.854	0.868	0.856
%RMS	57.04	75.16	63.82
r^2	0.729	0.753	0.733
GEH	0.6	2.1	1.1
GEH <5	<7	<10	<12
#	6	6	6
%	100.0	100.0	100.0

Cordon Number : 15
 Description : *screenline 15 - Te Awamutu Counts

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
4554	4553	69.	71	2.	102.9	0.2	105.	69	-36.	65.7	2.7	174.	140	-34.	80.5	00300012 1510 past SH21 Airport Road	(Generalised HVY Percentage)
6075	10261	15.	8	-7.	53.3	1.3	7.	8	1.	114.3	0.5	22.	16	-6.	72.7	18000m Cambridge Rd Rural	
9402	5417	42.	22	-20.	52.4	2.5	72.	23	-49.	31.9	5.2	114.	45	-69.	39.5	Alexandra Street 186	
2732	4872	80.	59	-21.	73.8	1.9	113.	57	-56.	50.4	4.3	193.	116	-77.	60.1	00300029 350m Nth of Saint Ledger Road	

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

TOTALS FORWARD BACK TOTALS

COUNT	206.	297.	503.
VOLUME	160.	157.	317.
CHANGE	-46.	-140.	-186.
%	78.	53.	63.

CORREL.

COEFF.	0.930	0.907	0.918
%RMS	33.52	64.28	50.05
r^2	0.865	0.822	0.843
GEH	2.4	6.6	6.5

GEH	<5	<7	<10	<12	>12
#	7	8	8	8	0
%	87.5	100.0	100.0	100.0	0.0

Cordon Number : 16
 Description : *screenline 16 Bombay Hills

NODE1	NODE2	FORWARD					BACK					TOTAL					
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%		
12430	12431	283.	452	169.	159.7	6.3	No Back Link Present .					283.	452	169.	159.7	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72	
12388	12387	No Forward Link Present .					338.	321	-17.	95.0	0.7	338.	321	-17.	95.0	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72	
13603	13674	180.	280	100.	155.6	4.7	181.	200	19.	110.5	1.0	361.	480	119.	133.0	SH2 Interchange NB SB	
11582	8693	151.	123	-28.	81.5	1.7	146.	169	23.	115.8	1.2	297.	292	-5.	98.3	00200002 Maungatawhiri - Telemetry Site	(Generalised HVY Percentage)

Number of links = 4 Number of forward links = 3 Number of back links = 3

TOTALS FORWARD BACK TOTALS

COUNT	614.	665.	1279.
VOLUME	855.	690.	1545.
CHANGE	241.	25.	266.
%	139.	104.	121.

CORREL.

COEFF.	0.959	1.000	0.238
%RMS	68.53	10.95	37.46
r^2	0.920	1.000	0.056
GEH	6.3	0.7	5.0

GEH	<5	<7	<10	<12	>12
#	5	6	6	6	0
%	83.3	100.0	100.0	100.0	0.0

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

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8666	8698	67.	90	23.	134.3	1.9	91.	75	-16.	82.4	1.2	158.	165	7.	104.4	00200106 500m East of Athenree Road
9145	3918	134.	88	-46.	65.7	3.1	154.	96	-58.	62.3	3.7	288.	184	-104.	63.9	02900034 Kaimai - Telemetry Site 12 - 1
9110	10206	57.	56	-1.	98.2	0.0	69.	71	2.	102.9	0.2	126.	127	1.	100.8	00500034 - SH5 sth of Maraeroa Rotorua (Generalised HVY Percentage)
4051	8384	34.	29	-5.	85.3	0.8	40.	31	-9.	77.5	1.2	74.	60	-14.	81.1	03000141 155m before Gun Club Road
8996	8387	122.	58	-64.	47.5	4.8	62.	66	4.	106.5	0.4	184.	124	-60.	67.4	00500082 520m sth of ERP 7713.70 Waiotapu

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

TOTALS	FORWARD	BACK	TOTALS
COUNT	414.	416.	830.
VOLUME	321.	339.	660.
CHANGE	-93.	-77.	-170.
%	78.	81.	80.
CORREL.			
COEFF.	0.570	0.887	0.842
%RMS	49.67	36.66	36.47
r^2	0.325	0.786	0.709
GEH	3.5	2.8	4.4
GEH <5	<7	<10	<12 >12
#	10	10	10 10 0
%	100.0	100.0	100.0 100.0 0.0

Cordon Number : 18
 Description : *screenline 18 North Waikato Lateral

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
10167	8179	31.	16	-15.	51.6	2.1	24.	15	-9.	62.5	1.6	55.	31	-24.	56.4	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	1.	1	0.	100.0	0.0	2.	1	-1.	50.0	1.4	3.	2	-1.	66.7	Taniwha Rd nth of Waiterimu Rd
8449	9737	69.	50	-19.	72.5	1.7	83.	67	-16.	80.7	1.3	152.	117	-35.	77.0	02700011 Kaihere - Telemetry Site 33
9689	9691	No Forward Link Present .					167.	188	21.	112.6	1.2	167.	188	21.	112.6	01N00509 685m sth of Tahuna Overbridge Rangiriri S
9685	9629	165.	263	98.	159.4	4.7	No Back Link Present .					165.	263	98.	159.4	01N00509 685m sth of Tahuna Overbridge Rangiriri NB

Number of links = 5 Number of forward links = 4 Number of back links = 4

TOTALS	FORWARD	BACK	TOTALS
COUNT	266.	276.	542.
VOLUME	330.	271.	601.
CHANGE	64.	-5.	59.
%	124.	98.	111.
CORREL.			
COEFF.	0.972	0.990	0.897
%RMS	87.64	23.35	50.20
r^2	0.946	0.979	0.804
GEH	2.6	0.3	1.7
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 : *screenline 19 Coromandel Peninsula

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
8854	8642	21.	11	-10.	52.4	1.8	22.	11	-11.	50.0	2.1	44.	22	-22.	50.0	02500177 Swampy Stream Bridge
3599	8832	32.	11	-21.	34.4	3.4	29.	12	-17.	41.4	2.5	61.	23	-38.	37.7	02500036 Speed Restriction Sign (Whakatete Bay Sth

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

TOTALS FORWARD BACK TOTALS

COUNT	53.	51.	105.
VOLUME	22.	23.	45.
CHANGE	-31.	-28.	-60.
%	42.	45.	43.

CORREL.

COEFF.	0.000	1.000	1.000
%RMS	0.00	79.41	83.64
r^2	0.000	1.000	1.000
GEH	3.5	3.3	4.9

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 : *screenline 20 - Southern Links

NODE1	NODE2	FORWARD				BACK				TOTAL						
		COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME	CHANGE	%	GEH	COUNT	VOLUME		CHANGE	%
4773	4566	3.	25	22.	833.3	4.3	2.	26	24.	*****	4.5	5.	51	46.	*****	Gillard Rd South Fletcher Road
2917	3157	88.	76	-12.	86.4	0.9	90.	76	-14.	84.4	1.1	178.	152	-26.	85.4	00300003 - 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Peacockes Rd North Stubbs Rd
4134	4926	6.	4	-2.	66.7	0.6	3.	4	1.	133.3	0.8	9.	8	-1.	88.9	Newell Rd
2786	3907	143.	106	-37.	74.1	2.3	85.	98	13.	115.3	1.0	228.	204	-24.	89.5	01N00559 - 355m past Cherry Lane (Tamahere Motels)

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

TOTALS FORWARD BACK TOTALS

COUNT	240.	180.	420.
VOLUME	211.	204.	415.
CHANGE	-29.	24.	-5.
%	88.	113.	99.

CORREL.

COEFF.	0.977	0.945	0.976
%RMS	43.04	39.38	31.92
r^2	0.955	0.893	0.952
GEH	1.4	1.2	0.2

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

Cordon Number : 21
 Description : *screenline ALL COUNTS

NODE1	NODE2	FORWARD				GEH	BACK				GEH	TOTAL				
		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%		COUNT	VOLUME	CHANGE	%	
12430	12431	283.	452	169.	159.7	6.3	No Back Link Present .				283.	452	169.	159.7	01N10474 (NB) 02N20474 Bombay - Telemetry Site 72	
12388	12387	No Forward Link Present .					338.	321	-17.	95.0	0.7	338.	321	-17.	95.0	01N10474 (SB) 01N20474 Bombay - Telemetry Site 72
13603	13674	180.	280	100.	155.6	4.7	181.	200	19.	110.5	1.0	361.	480	119.	133.0	SH2 Interchange NB SB - 01N00477
11582	8693	151.	123	-28.	81.5	1.7	146.	169	23.	115.8	1.2	297.	292	-5.	98.3	00200002 Maungatawhiri - Telemetry Site 74 West of
8854	8642	21.	11	-10.	52.4	1.8	22.	11	-11.	50.0	2.1	44.	22	-22.	50.0	02500177 Swampy Stream Bridge
3599	8832	32.	11	-21.	34.4	3.4	29.	12	-17.	41.4	2.5	61.	23	-38.	37.7	02500036 Speed Restriction Sign (Whakatete Bay Sth
8305	8830	48.	74	26.	154.2	2.4	44.	54	10.	122.7	1.0	92.	128	36.	139.1	00200052 650m past Orchard Rd
3384	8873	34.	72	38.	211.8	3.7	42.	54	12.	128.6	1.2	76.	126	50.	165.8	00200066 986m past of Awaiti Rd
8720	8320	88.	72	-16.	81.8	1.3	65.	88	23.	135.4	1.9	153.	160	7.	104.6	00200091 Waihi - Telemetry Site 34 - E
8306	8739	23.	27	4.	117.4	0.6	49.	32	-17.	65.3	1.8	72.	59	-13.	81.9	02500021 335m before Hauraki Rd
3163	3590	9.	4	-5.	44.4	1.2	9.	4	-5.	44.4	1.2	18.	8	-10.	44.4	02500098 12m before 1st Abut Oritonui
9162	8871	12.	16	4.	133.3	0.8	26.	16	-10.	61.5	1.5	38.	32	-6.	84.2	02500240 nth of Gladestone Rd
8826	8868	60.	71	11.	118.3	0.9	53.	87	34.	164.2	2.9	113.	158	45.	139.8	02600075 380m past Komata River Bridge
8449	9737	69.	50	-19.	72.5	1.7	83.	67	-16.	80.7	1.3	152.	117	-35.	77.0	02700011 Kaihere - Telemetry Site 33
13522	13646	191.	284	93.	148.7	4.3	198.	205	7.	103.5	0.3	389.	489	100.	125.7	01N20482 (NB) 01N10482 (SB) 400m before Horace Russell Rd
8309	8855	18.	11	-7.	61.1	1.5	31.	13	-18.	41.9	2.8	49.	24	-25.	49.0	25A00024 Hkuae - Telemetry Site 76
9559	9719	101.	122	21.	120.8	1.5	118.	166	48.	140.7	2.8	219.	288	69.	131.5	00200033 By RS peg 32/1
10167	8179	31.	16	-15.	51.6	2.1	24.	15	-9.	62.5	1.6	55.	31	-24.	56.4	02600055 515m nth of Patuwahao Stream Bridge
9958	9948	1.	1	0.	100.0	0.0	2.	1	-1.	50.0	1.4	3.	2	-1.	66.7	Taniwha Rd nth of Waiterimu Rd
9689	9691	No Forward Link Present .					167.	188	21.	112.6	1.2	167.	188	21.	112.6	01N00509 685m sth of Tahuna Overbridge Rangiriri SB
9685	9629	165.	263	98.	159.4	4.7	No Back Link Present .				165.	263	98.	159.4	01N00509 685m sth of Tahuna Overbridge Rangiriri NB	
9110	10206	57.	56	-1.	98.2	0.0	69.	71	2.	102.9	0.2	126.	127	1.	100.8	SH5 - sth of Maraeroa Rd Rotorua
4051	8384	34.	29	-5.	85.3	0.8	40.	31	-9.	77.5	1.2	74.	60	-14.	81.1	03000141 - 155m before Gun Club Road
8518	8274	38.	18	-20.	47.4	2.7	26.	18	-8.	69.2	1.2	64.	36	-28.	56.2	SH1 sth of Taupahi Turangi
10323	9789	240.	284	44.	118.3	1.9	223.	215	-8.	96.4	0.4	463.	499	36.	107.8	SH1 sth of Tregoweth Huntly
9911	2711	3.	10	7.	333.3	2.3	3.	10	7.	333.3	2.3	6.	20	14.	333.3	Waingaro Road
2854	2853	8.	11	3.	137.5	0.5	7.	10	3.	142.9	1.0	15.	21	6.	140.0	Hakarimata Rd
9962	10693	7.	6	-1.	85.7	0.0	11.	11	0.	100.0	0.0	18.	17	-1.	94.4	Tahuna Rd east of Rutherford Rd
8549	4246	35.	43	8.	122.9	0.9	48.	41	-7.	85.4	0.9	83.	84	1.	101.2	00500138 278m past crown road (Taupo)
8792	8552	34.	24	-10.	70.6	1.3	57.	28	-29.	49.1	3.1	91.	52	-39.	57.1	00500125 98m before SH1 (Wairakei)
8779	8959	13.	4	-9.	30.8	2.0	5.	4	-1.	80.0	0.0	18.	8	-10.	44.4	04100029 50m East of Moerangi Road
8522	8273	17.	9	-8.	52.9	1.6	6.	16	10.	266.7	2.1	23.	25	2.	108.7	04700046 242m before SH41
8449	9737	69.	50	-19.	72.5	1.7	83.	67	-16.	80.7	1.3	152.	117	-35.	77.0	02700011 Kaihere - Telemetry Site 33
9145	3918	154.	88	-66.	57.1	4.2	134.	96	-38.	71.6	2.5	288.	184	-104.	63.9	02900034 Kaimai - Telemetry Site 12 -1
8996	8387	122.	58	-64.	47.5	4.8	62.	66	4.	106.5	0.4	184.	124	-60.	67.4	00500082 520m sth of ERP 7713.70 Waitapu
9550	9831	12.	12	0.	100.0	0.0	13.	12	-1.	92.3	0.0	25.	24	-1.	96.0	03000035 918m past Manaiti Street (Bennydale)
3497	10125	103.	73	-30.	70.9	2.3	83.	70	-13.	84.3	1.0	186.	143	-43.	76.9	00300066 800m past SH 37 (Waitomo Road)
3506	8271	3.	4	1.	133.3	0.8	8.	4	-4.	50.0	1.2	11.	8	-3.	72.7	03100022 500m west of Ngutunui Road
3507	8267	15.	12	-3.	80.0	0.4	33.	12	-21.	36.4	3.0	48.	24	-24.	50.0	02300037 - SH23 West of Heddon Ragian
2732	4872	80.	59	-21.	73.8	1.9	113.	57	-56.	50.4	4.3	193.	116	-77.	60.1	00300029 - 350m Nth of Saint Ledger Rd
9936	8270	37.	43	6.	116.2	0.7	32.	40	8.	125.0	0.9	69.	83	14.	120.3	03900052 - SH39 sth of Hanning Piongia
9968	9944	3.	5	2.	166.7	0.8	4.	5	1.	125.0	0.0	7.	10	3.	142.9	Orini Rd
9913	9915	10.	17	7.	170.0	1.2	13.	17	4.	130.8	0.8	23.	34	11.	147.8	Whitikahu Rd
5650	10786	3.	23	20.	766.7	4.1	6.	23	17.	383.3	3.0	9.	46	37.	511.1	Scotsman Valley Rd
10707	9924	80.	49	-31.	61.2	2.8	57.	51	-6.	89.5	0.6	137.	100	-37.	73.0	02600023 150m East of Piako Road
6597	10788	142.	113	-29.	79.6	1.9	180.	130	-50.	72.2	2.8	322.	243	-79.	75.5	01N00580
9841	2607	15.	9	-6.	60.0	1.3	8.	9	1.	112.5	0.0	23.	18	-5.	78.3	Maungatautari Road - North of Hydro Road
4817	4877	20.	5	-15.	25.0	3.3	15.	5	-10.	33.3	2.4	35.	10	-25.	28.6	Golf Road - West Flat Roads
8438	10243	7.	6	-1.	85.7	0.0	7.	6	-1.	85.7	0.0	14.	12	-2.	85.7	Pokuru Road
5765	5497	189.	190	1.	100.5	0.1	162.	147	-15.	90.7	0.9	351.	337	-14.	96.0	*Ngaruawahia Bridge
4907	3606	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Fairfield Rd Bridge WBD
3453	9823	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	*Claudelands Rd Bridge RSI 16 WBD
8233	9824	110.	47	-63.	42.7	5.1	19.	36	17.	189.5	2.4	129.	83	-46.	64.3	*Bridge St Anglesea to Victoria 109
3509	3670	122.	73	-49.	59.8	3.6	159.	94	-65.	59.1	4.0	281.	167	-114.	59.4	Cobham Dr Bridge RSI 18 SBD
10685	6307	40.	36	-4.	90.0	0.5	25.	32	7.	128.0	1.1	65.	68	3.	104.6	Airport Rd - 02100004 Sth of Lochiel Rd
6550	6432	46.	17	-29.	37.0	3.8	17.	15	-2.	88.2	0.4	63.	32	-31.	50.8	*Victoria St (Cambridge) - Alpha to Duke
6171	10228	28.	68	40.	242.9	4.1	38.	67	29.	176.3	2.7	66.	135	69.	204.5	*Shakepeare Bridge (Cambridge)
4408	8402	105.	42	-63.	40.0	5.1	52.	46	-6.	88.5	0.6	157.	88	-69.	56.1	01N00702 Control Gates Bridge (Taupo)

8992	8424	15.	14	-1.	93.3	0.0	20.	15	-5.	75.0	1.0	35.	29	-6.	82.9	03200028 230m before Whakamaru Dam
8929	8958	29.	64	35.	220.7	3.8	61.	64	3.	104.9	0.4	90.	128	38.	142.2	SH1 - south of SH30
3938	7174	28.	15	-13.	53.6	2.2	16.	13	-3.	81.2	0.8	44.	28	-16.	63.6	Pukete Rd btw Cullimore&Wairere 255
3503	2767	56.	21	-35.	37.5	4.1	39.	25	-14.	64.1	1.8	95.	46	-49.	48.4	Resolution Dr Nth of Wairere Dr 188
3558	3557	41.	18	-23.	43.9	2.9	30.	15	-15.	50.0	2.4	71.	33	-38.	46.5	Hukanui Rd Nth of Wairere Dr 264/416
3932	4978	31.	47	16.	151.6	1.8	37.	45	8.	121.6	0.9	68.	92	24.	135.3	Gordonton Rd btw Crosby&Greenhill
5510	2822	4.	16	12.	400.0	2.7	5.	14	9.	280.0	2.4	9.	30	21.	333.3	Holland Rd btw Ruakura&SH1B
5485	2822	19.	64	45.	336.8	5.1	29.	48	19.	165.5	2.3	48.	112	64.	233.3	01B00024 100m past Holland Road Intersection
5195	6838	12.	4	-8.	33.3	2.0	14.	4	-10.	28.6	2.4	26.	8	-18.	30.8	Totara Dr - Nth Delamare Rd S325
4745	4746	1.	1	0.	100.0	0.0	1.	1	0.	100.0	0.0	2.	2	0.	100.0	Delamare Rd - North Wairere Dr
3339	3735	35.	39	4.	111.4	0.5	26.	39	13.	150.0	1.5	61.	78	17.	127.9	Tuhikaramea Rd by speed limit sign 752
4761	5535	86.	79	-7.	91.9	0.6	148.	60	-88.	40.5	6.1	234.	139	-95.	59.4	Ohaupo Rd north of Normandy Ave
4847	8214	60.	19	-41.	31.7	4.8	115.	37	-78.	32.2	6.4	175.	56	-119.	32.0	Normandy Ave north of Bader St
3587	4157	180.	112	-68.	62.2	4.0	222.	103	-119.	46.4	6.7	402.	215	-187.	53.5	01N10558, 01N20558 135m north of Riverlea Road
4113	2899	11.	8	-3.	72.7	0.5	6.	8	2.	133.3	0.5	17.	16	-1.	94.1	Matangi Rd at Bridge 151
4773	4566	3.	25	22.	833.3	4.3	2.	26	24.	*****	4.5	5.	51	46.	*****	Gillard Rd South Fletcher Road
2917	3157	88.	76	-12.	86.4	0.9	90.	76	-14.	84.4	1.1	178.	152	-26.	85.4	00300003 - 285m sth of Dixons Road
2645	3726	0.	0	0.	0.0	0.0	0.	0	0.	0.0	0.0	0.	0	0.	0.0	Peacocks Rd North Stubbs Rd
4134	4926	6.	4	-2.	66.7	0.6	3.	4	1.	133.3	0.8	9.	8	-1.	88.9	Newell Rd
2786	3907	143.	106	-37.	74.1	2.3	85.	98	13.	115.3	1.0	228.	204	-24.	89.5	01N00559 - 355m past Cherry Lane (Tamahere Motels)
4449	4470	37.	68	31.	183.8	3.1	38.	56	18.	147.4	1.9	75.	124	49.	165.3	Victoria Road (Taylor/Hautapu)
5929	8294	3.	6	3.	200.0	1.4	4.	7	3.	175.0	0.6	7.	13	6.	185.7	Thornton Rd (Grosvenor/Bowen) 107
5849	5690	104.	81	-23.	77.9	1.8	135.	75	-60.	55.6	4.2	239.	156	-83.	65.3	01N00563 - SH1N 120m soth of Pickering Road
4554	4553	69.	71	2.	102.9	0.2	105.	69	-36.	65.7	2.7	174.	140	-34.	80.5	00300012 1510 past SH21 Airport Road
6075	10261	15.	8	-7.	53.3	1.3	7.	8	1.	114.3	0.5	22.	16	-6.	72.7	18000m Cambridge Rd Rural
9402	5417	42.	22	-20.	52.4	2.5	72.	23	-49.	31.9	5.2	114.	45	-69.	39.5	Alexandra Street 186
3500	5456	18.	7	-11.	38.9	2.4	86.	8	-78.	9.3	8.0	104.	15	-89.	14.4	203 Te Kowhai Road at city Boundary
7548	5566	10.	10	0.	100.0	0.0	12.	10	-2.	83.3	0.4	22.	20	-2.	90.9	152 Rotokauri Road - North of Brymer
3373	4770	16.	10	-6.	62.5	1.2	14.	10	-4.	71.4	0.8	30.	20	-10.	66.7	54 Newcastle Road - Opposite Microwave Station
10595	2720	2.	6	4.	300.0	1.4	2.	6	4.	300.0	1.4	4.	12	8.	300.0	S319 Exelby Road btw Kauri & Burbush
6610	6644	27.	20	-7.	74.1	0.9	57.	19	-38.	33.3	4.4	84.	39	-45.	46.4	02300004 - 40m East of Newcastle Road
7164	5645	25.	7	-18.	28.0	3.3	22.	10	-12.	45.5	2.1	47.	17	-30.	36.2	Ruffell Rd Nth of Te Kowhai Rd 176
3287	3512	37.	53	16.	143.2	1.7	52.	45	-7.	86.5	0.8	89.	98	9.	110.1	Te Kowhai Rd East of Tasman Rd 166
3476	4904	50.	33	-17.	66.0	2.0	22.	28	6.	127.3	0.8	72.	61	-11.	84.7	Forest lake Rd railway underpass 63/64
3456	4721	32.	34	2.	106.2	0.2	42.	62	20.	147.6	2.0	74.	96	22.	129.7	Norton Rd at railway 718 11 May
5199	2654	48.	29	-19.	60.4	2.3	32.	22	-10.	68.8	1.4	80.	51	-29.	63.8	Killarney Rd Railway crossing 1419-Nov
3175	4709	241.	100	-141.	41.5	7.6	138.	110	-28.	79.7	1.8	379.	210	-169.	55.4	01N00552 120m east of Railway Crossing
3168	4788	3.	5	2.	166.7	0.8	10.	5	-5.	50.0	1.6	13.	10	-3.	76.9	Collins Rd railway crossing 149
4111	10565	39.	28	-11.	71.8	1.2	37.	30	-7.	81.1	0.7	76.	58	-18.	76.3	02600002 875m West of Lissette Road
7024	7788	9.	2	-7.	22.2	1.9	5.	2	-3.	40.0	0.8	14.	4	-10.	28.6	Powells Rd btw Alderson&Raymond S309
10696	10598	7.	21	14.	300.0	2.7	12.	22	10.	183.3	1.7	19.	43	24.	226.3	Puketaha Rd
3921	3920	16.	36	20.	225.0	2.8	26.	33	7.	126.9	0.8	42.	69	27.	164.3	Ruakura Rd East of Silverdale 155
7789	8078	6.	2	-4.	33.3	1.4	4.	2	-2.	50.0	0.8	10.	4	-6.	40.0	Fairview St btw Wattle&Radiata S307
5452	10678	46.	27	-19.	58.7	2.4	38.	28	-10.	73.7	1.2	84.	55	-29.	65.5	02600009 700m east of Platt Rd
5614	5613	33.	47	14.	142.4	1.6	25.	62	37.	248.0	4.1	58.	109	51.	187.9	01B00015 500m past Gordonton Rd/Taylor
4800	4799	224.	194	-30.	86.6	1.5	120.	149	29.	124.2	1.7	344.	343	-1.	99.7	01N00529 100m sth of Hopu Hopu Rail Bridge
9521	10776	86.	66	-20.	76.7	1.6	75.	65	-10.	86.7	0.9	161.	131	-30.	81.4	00300038 335m nth of Wharepuhanga Road
10193	8493	30.	20	-10.	66.7	1.4	31.	26	-5.	83.9	0.5	61.	46	-15.	75.4	00500000 217m past SH1 (Tirau)
10192	8565	121.	93	-28.	76.9	1.9	90.	90	0.	100.0	0.0	211.	183	-28.	86.7	01N00620 Lichfield Telemetry Site 21 sth of Baldwin Rd
10158	10169	119.	84	-35.	70.6	2.4	97.	71	-26.	73.2	2.0	216.	155	-61.	71.8	02400001 120m East of Tower Road RAB
9264	9924	36.	30	-6.	83.3	0.7	31.	30	-1.	96.8	0.0	67.	60	-7.	89.6	02600022 855m West of Piako Road (Motumaoho)
8458	9591	166.	87	-79.	52.4	5.0	137.	74	-63.	54.0	4.3	303.	161	-142.	53.1	02700065 200m sth of Matamata Airport Entrance
9573	9842	69.	20	-49.	29.0	5.1	49.	21	-28.	42.9	3.4	118.	41	-77.	34.7	02700083 320m past SH29
9126	9119	26.	11	-15.	42.3	2.7	44.	28	-16.	63.6	1.9	70.	39	-31.	55.7	02800000 163m past SH1 (Putaruru)
9655	9515	46.	62	16.	134.8	1.5	50.	55	5.	110.0	0.4	96.	117	21.	121.9	02800009 245m past SH5 (Whites Road)
9544	8486	44.	36	-8.	81.8	0.9	50.	40	-10.	80.0	1.1	94.	76	-18.	80.9	02900057 450m East of McNab Road
9854	9873	61.	42	-19.	68.9	1.8	71.	44	-27.	62.0	2.4	132.	86	-46.	65.2	02900069 200m sth of Totman Road
8527	8528	35.	24	-11.	68.6	1.3	36.	25	-11.	69.4	1.5	71.	49	-22.	69.0	03000110 133m past SH
8666	8698	67.	90	23.	134.3	1.9	91.	75	-16.	82.4	1.2	158.	165	7.	104.4	00200106 500m East of Athenree Road Tauranga Side
3613	8728	138.	120	-18.	87.0	1.1	124.	107	-17.	86.3	1.2	262.	227	-35.	86.6	00200141 near Tga RSI Site 23
3925	9138	23.	0	-23.	0.0	4.7	18.	0	-18.	0.0	4.2	41.	0	-41.	0.0	03600012 760m sth of Williams Rd
10796	10798	112.	123	11.	109.8	0.7	151.	138	-13.	91.4	0.7	263.	261	-2.	99.2	00200187 Near Tga RSI Site 21
10727	8529	7.	4	-3.	57.1	0.6	8.	4	-4.	50.0	1.2	15.	8	-7.	53.3	03200074 west of Taupo - Telemetry Site
4558	8578	67.	38	-29.	56.7	2.7	50.	45	-5.	90.0	0.6	117.	83	-34.	70.9	01N00729 Halletts Bay - Telemetry Site

8740	4352	30.	21	-9.	70.0	1.4	56.	23	-33.	41.1	3.8	86.	44	-42.	51.2	01N00705 100m nth of SH5 (East to Napi
8932	8740	38.	19	-19.	50.0	2.7	56.	21	-35.	37.5	4.1	94.	40	-54.	42.6	01N00706 300m Sth of SH5
8635	8755	26.	12	-14.	46.2	2.3	50.	10	-40.	20.0	5.2	76.	22	-54.	28.9	01N00700 at RS peg 606/5.07

Number of links = 122 Number of forward links = 120 Number of back links = 120

TOTALS	FORWARD	BACK	TOTALS
COUNT	6872.	6876.	13749.
VOLUME	6214.	5853.	12067.
CHANGE	-658.	-1023.	-1682.
%	90.	85.	88.
CORREL.			
COEFF.	0.862	0.902	0.889
%RMS	60.91	46.37	45.96
r^2	0.743	0.814	0.789
GEH	5.8	9.1	10.5
GEH <5	<7	<10	<12
#	227	238	240
%	94.6	99.2	100.0

CORDON terminated successfully

Appendix C

Response to Second Comments by Peer Reviewer



Filenote

Job: 12163.005 WRTM 2013 Model Update
To: Ian Clark (Flow Transportation)
From: Julie Ballantyne, Grant Smith (TDG)
Date: 10 December 2014
Subject: **Response To Second Comments on Tech Note 30 by Peer Reviewer**

Comments on Technical Note 30: Three Step Validation Update were initially provided by Ian Clark (Flow Transportation) dated 28 October 2014. A response was provided and circulated (filenote dated 10 November 2014) in conjunction with a final version of the technical note (also dated 11 November 2014), as no major issues were raised.

Additional peer review comments were then received on the final version of Technical Note 30 in a Flow Transportation document dated 26 November 2014. Our response to the further comments is provided below.

1. **R² and RMSE Validation Criteria**

We note that our response (“there has been a degree of internal discussion as to how to interpret part of the guidelines. This may spark an external debate which we are happy to have”) is not reported in the Technical Note – this comment was an aside (by email) relating to interpretation of the new model guidelines.

We do concur with your interpretation (that the R² and RMSE values are network-wide) – this was merely informally noted to hone the new guidelines and ensure industry-wide understanding.

No further action required.

2. **Screenline Definition**

We concur that screenlines should be as complete as practically possible. The “gaps” in the screenlines are the result of Councils not being to provide the traffic counts requested. We are reluctant to embark on another round of requesting traffic counts – the previous exercise took many months and still resulted in an incomplete dataset.

We have reviewed the locations without counts and summarise the implications below.



Screenline	Screenline Name	Total Counts on Screenline	No of Missing Counts	Comment
1	Waikato River Bridges	22	12	There are a significant number of counts missing from this screenline, particularly south of Hamilton City. We would suggest this screenline is ignored when making conclusions on the model's ability to replicate observed. However, we would suggest that as this is an easily defined, and potentially complete screenline that a programme of annual traffic counts each March be co-ordinated with all TLA's that have a bridge in their area.
2	Hamilton Model external	18	5	<p>The missing locations include:</p> <ul style="list-style-type: none"> ■ 3 minor roads in the west. These are adjacent to counted locations. These movements are picked up by other counts/screenlines further west towards Hamilton. So while they are a "hole" in screenline 2, the modelled traffic will be picked up at other locations. From the north to the south, these roads have modelled two way volumes of less than 300, 130, and 10 in any of the three peak periods. These low modelled flows are not considered to be a problem. ■ 2 minor roads to the south in between 2 counted locations (around Te Awamutu) do not have observed volumes. Any major issues in modelled flows will be picked up by counts/screenlines further north. These roads have modelled flows less than 130 and 100 respectively in any peak period – hence they are not considered a "hole".
3	Waikato Model External	26	6	<p>The missing counts are generally on minor roads. They represent:</p> <ul style="list-style-type: none"> ■ 2 minor roads in the south west adjacent to a counted location. Two way modelled flows are less than 50 and 100 respectively in any peak period – hence there is no "hole" in the model here. ■ 1 minor road in the south adjacent to a counted location. The model has a two way flow less than 10 in any peak period – hence this is not a "hole" in the model. ■ 2 minor roads in the east (just west of Rotorua) straddling a counted location. These roads each carry less than 100 vehicles (two way flow) in any peak period; hence they are not considered an issue. ■ 1 minor road in the north east. This is adjacent to counts on major highways included in screenline 18. There are various counts on other screenlines further north that will capture movements on this road.
4		6	0	Complete
5		11	0	Complete
6		4	0	Complete



Screenline	Screenline Name	Total Counts on Screenline	No of Missing Counts	Comment
7		7	0	Complete
8		20	0	Complete
9		9	0	Complete
11	East HCC	6	1	The missing count is a local road into a residential area which will not carry any strategic trips. Modelled volumes are low in all 3 peak periods. The omission of this count from the screenline will therefore not be masking any under reporting.
12	North HCC	11	3	Counts on 2 local roads are missing – which is not considered a major issue. 1 count is on SH1 and was erroneously omitted from the 2013 reporting. There are relatively significant modelled flows at this location, which is expected given its strategic nature. The modelled trips are included and checked in another screenline slightly further north and hence this is not a “hole” in the model.
13		5	0	Complete
14		3	0	Complete
15	Te Awamutu	7	3	Counts to the north, east, south and west are included and so we believe all major observed and modelled movements have been picked up. It is also worth noting that all 7 counts together do not represent a “watertight” screenline but rather a collection of counts in and around Te Awamutu. The omission of 3 counts on local roads is not considered a problem.
16		2	0	Complete
17		5	0	Complete
18		4	0	Complete
19	Coromandel Peninsula	2	0	Complete
20	Southern Links	7	2	1 local road to the west is omitted from the screenline due to no traffic count. Modelled two way volumes are less than 20 in any peak period and so there is no “hole” in the network at this location. This count for SH39 on the NZTA TMS website shows zero volumes, which is obviously incorrect and hence this location has been omitted from the screenline. From a visual check, the assigned volumes at this location are not excessive. SH39 modelled flows have been considered further south on screenline 2. So the model does not have a “hole” for these movements.
TOTAL		175	32	

3. Journey Time Validation

We concur with the reviewer that common sense should prevail regarding interpretation of the target relating to modelled journey times being less than 15% of observed (i.e. exactly 15%)



difference therefore fails).

No further action required.

4. Traffic Flow Validation

The reviewer accepts that the GEH statistic is a more useful measure of the significance of traffic flow errors for a regional model.

No further action required.

5. Minor Points

The reviewer notes that our reference to the “draft” NZMUGS Guideline should be updated to reflect that the Guideline has recently been ratified by NZTA and is hence no longer “draft”.

We will address this in the technical notes for the four step model which are still to be issued. We suggest there is limited value in reissuing technical notes that have already been finalised to simply acknowledge the ratification of a Guideline that we were already taking on board.

The typo noted in Table 10 is acknowledged. Many thanks.