



## Traffic Volumes Monthly Report September 2014

This report has been prepared for the benefit of the NZ Transport Agency (NZTA). No liability is accepted by this company or any employee or sub-consultant of this company with respect to its use by any other person.

This disclaimer shall apply notwithstanding that the report may be made available to other persons for an application for permission or approval or to fulfil a legal requirement.

#### Quality Assurance Statement

Project Manager: Gerald Wen

Prepared by: Gerald Wen

Reviewed by: Philip Blagdon

#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	13/10/2014	Final	Gerald Wen	Philip Blagdon	

# Overview

---

## Summary

The purpose of this report is to provide information about changes and trends of Monthly Average Daily Traffic (MADT) on state highways at a national and regional level.

NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu–Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

## September 2014 State Highway Traffic Highlight

**2.4%** Nationally, the MADT for light vehicles was up 2.4%, when compared to the same month last year.

Region 1 recorded a higher increase 5.7%, while other regions recorded an increase between 1.5% to 3.6%.

**3.8%** Nationally, the MADT for heavy vehicles was up 3.8%, when compared to the same month last year.

Region 1 recorded the highest increase (12%) in September, followed by region 6 (9%); Other regions recorded an increase between 1% to 3.3%.

**2.3%** Nationally, the MADT of all vehicles was up 2.3%, when compared to the same month last year.

All regions recorded an increase between 1.4% to 5.1%.

**In this report**

---

This report contains the following topics.

<b>Topic</b>	<b>See Page</b>
Overview	1
Technical Notes	2
Key Sites Result	3
Results: Light Vehicles	4
Results: Heavy Vehicles	5
Results: All Vehicles	6
The Graph of National MADT change ( 5 years)	7
Appendix	

---

## Technical Notes

**What is MADT?** Monthly Average Daily Traffic (MADT) is the average daily traffic volume in a given month. At each monitored location (count site), MADT is reported for light vehicles, all vehicles and heavy vehicles<sup>1</sup>. MADT is the statistical term used throughout this report.

A more commonly reported statistical term is Annual Average Daily Traffic (AADT), which measures the average daily traffic volume over a given calendar year.

---

**How is MADT change reported each month?** We report MADT change for light, heavy and all vehicles, at a national and regional level. We first calculate the percentage change in MADT (light, heavy and all vehicles separately) of each site for the current month compared to the same month in the previous year. We then calculate the median of those percentage changes across all sites and report it as the national MADT change for the current month. To report each regional MADT change, we calculate the median of percent changes of the sample sites in each region.

---

**Purpose** Monthly Average Daily Traffic (MADT) reporting enables us to provide a month-by-month indication of traffic trends, and to allow the effects of specific events (e.g. Storms, fuel price shifts, economy, etc.) to be monitored.

---

**Site coverage** The table below shows the number of traffic counting sites in each NZ Transport Agency region. These numbers represent the sample sizes that are used to report the National and regional MADT changes in this report.

NZ Transport Agency Region	Number of Sites
Northland and Auckland	17
Waikato and Bay of Plenty	27
Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne	19
Wellington, Nelson, Marlborough and Tasman	17
Canterbury and West Coast	15
Otago and Southland	19
Total	114

These sites are mostly NZTA's national telemetry sites. There are also a few regional continuous sites used in Auckland.

Report should be used with caution, because of the limited sample sizes.

---

**Sources of variation in MADT** The number of weekends in a specific month can affect the MADT comparability between years. Also, public holidays that occur in different months can affect comparisons between years. This report does not attempt to compensate for these variations.

---

<sup>1</sup> Heavy vehicles are those with a gross vehicle mass exceeding 3.5 tonnes.

**Results:  
Monthly  
traffic at key  
sites**

Five key sites have been selected to represent five main centres in NZ.

The MADT values for September 2013, September 2014 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

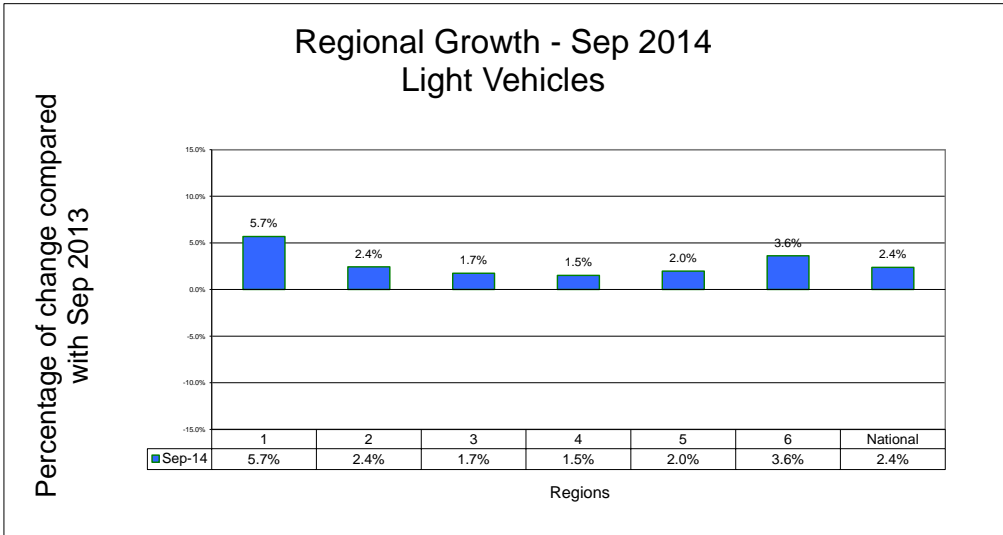
Site	City Represented	MADT (All Vehicles) September-13	MADT (All Vehicles) September-14	% Change
Auckland Harbour Bridge (SH1)	Auckland	159513	160477	1%
Greenwood (SH1)	Hamilton	23081	25218	9%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	83252	89776	8%
Waimakariri Bridge	Christchurch	42758	46828	10%
Burnside (SH1 Combined)	Dunedin	25659	27489	7%

---

# Results: Light Vehicles

**Regions** Comparisons across the NZ Transport Agency regions have also been carried out.

The graph below shows the MADT change compared with the same month last year. The MADT values here represent light vehicle types.



NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

**More graphs** The monthly graphs (as above) of the current year are attached to this report.

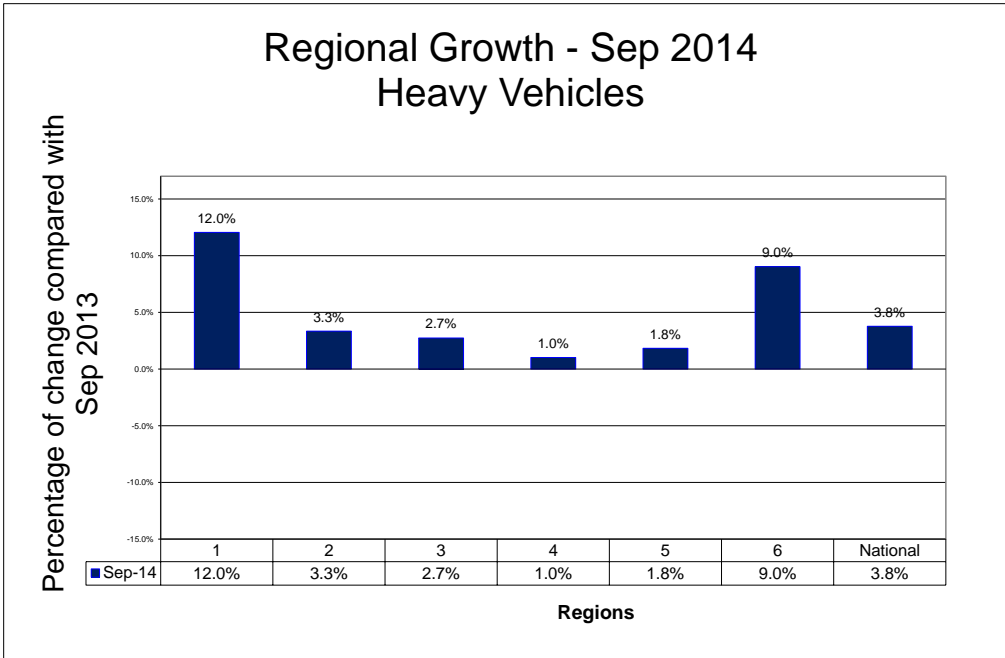
**All sites** A table of MADT (light vehicles) values for the past thirteen months is attached to this report.

# Results: Heavy Vehicles

**Regions**

Comparisons of heavy vehicle traffic across NZ Transport Agency regions as detailed below.

The graph shows the MADT change compared with the same month last year. The MADT values here represent heavy vehicles only.



NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

**More graphs**

The monthly graphs (as above) of the current year are attached to this report.

**All sites**

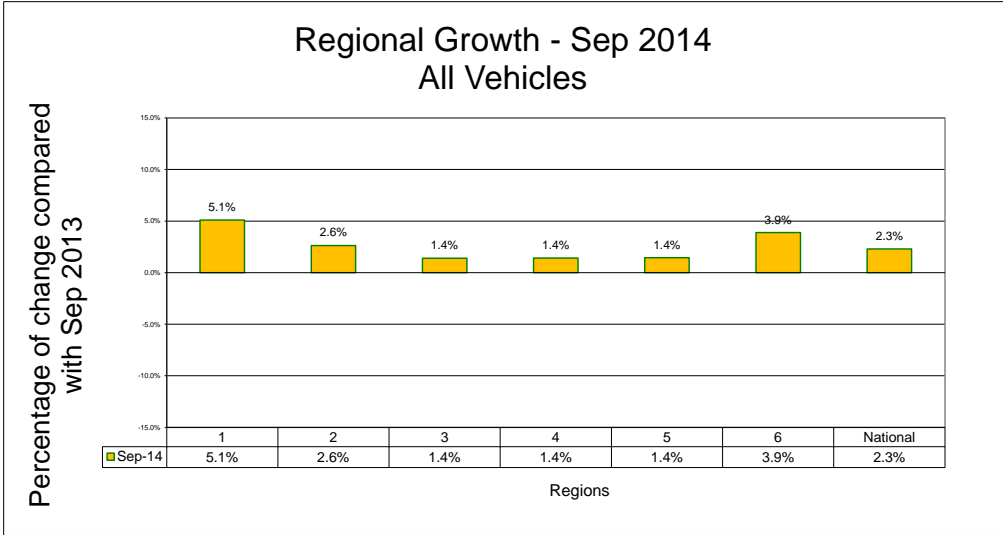
A table of MADT (heavy vehicles) values for the past thirteen months is attached to this report.



# Results: All Vehicles

**Regions** Comparisons across the NZ Transport Agency regions have also been carried out.

The graph below shows the MADT change compared with the same month last year. The MADT values here represent all vehicle types.



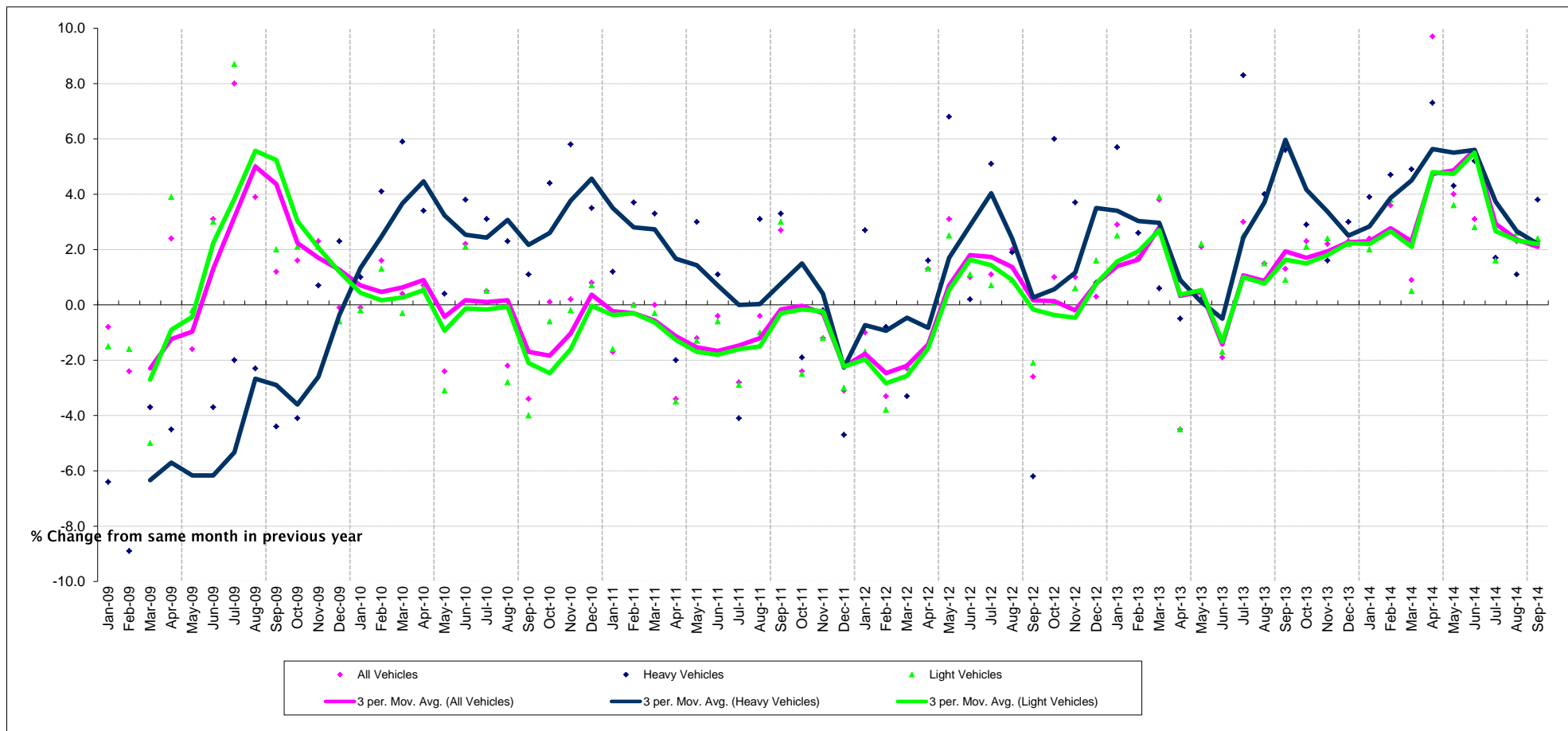
NZTA Region Number	NZTA Region
1	Northland and Auckland
2	Waikato and Bay of Plenty
3	Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne
4	Wellington, Nelson, Marlborough and Tasman
5	Canterbury and West Coast
6	Otago and Southland

**More graphs** The monthly graphs (as above) of the current year are attached to this report.

**All sites** A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

## Summary of MADT Change from Same Month in Previous Year

The graph and table below shows 6 years national MADT change from the same month in the previous year, summarising the figures published in previous monthly reports.



Year	2009			2010			2011			2012			2013			2014		
Month	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles	All Vehicles	Light Vehicles	Heavy Vehicles
January	-0.8	-1.5	-6.4	-0.1	-0.2	1.0	-1.7	-1.6	1.2	-1.0	-1.7	2.7	2.9	2.5	5.7	2.4	2.0	3.9
February	-2.4	-1.6	-8.9	1.6	1.3	4.1	0.0	0.0	3.7	-3.3	-3.8	-0.8	1.7	1.7	2.6	3.6	3.8	4.7
March	-3.7	-5.0	-3.7	0.4	-0.3	5.9	0.0	-0.3	3.3	-2.3	-2.2	-3.3	3.8	3.9	0.6	0.9	0.5	4.9
April	2.4	3.9	-4.5	0.7	0.6	3.4	-3.4	-3.5	-2.0	1.3	1.3	1.6	-4.5	-4.5	-0.5	9.7	10.1	7.3
May	-1.6	-0.2	-10.3	-2.4	-3.1	0.4	-1.2	-1.3	3	3.1	2.5	6.8	2.1	2.2	0.2	4.0	3.6	4.3
June	3.1	3.0	-3.7	2.2	2.1	3.8	-0.4	-0.6	1.1	1	1.1	0.2	-1.9	-1.7	-1.2	3.1	2.8	5.2
July	8.0	8.7	-2.0	0.5	0.5	3.1	-2.8	-2.9	-4.1	1.1	0.7	5.1	3.0	2.5	8.3	1.7	1.6	1.7
August	3.9	5.0	-2.3	-2.2	-2.8	2.3	-0.4	-1.0	3.1	2.0	0.9	1.9	1.5	1.5	4.0	2.3	2.6	1.1
September	1.2	2.0	-4.4	-3.4	-4.0	1.1	2.7	3.0	3.3	-2.6	-2.1	-6.2	1.3	0.9	5.6	2.3	2.4	3.8
October	1.6	2.1	-4.1	0.1	-0.6	4.4	-2.4	-2.5	-1.9	1.0	0.1	6.0	2.3	2.1	2.9			
November	2.3	2.1	0.7	0.2	-0.2	5.8	-1.2	-1.2	-0.2	1.0	0.6	3.7	2.2	2.4	1.6			
December	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7	0.3	1.6	0.8	2.3	2.2	3			

## Appendices

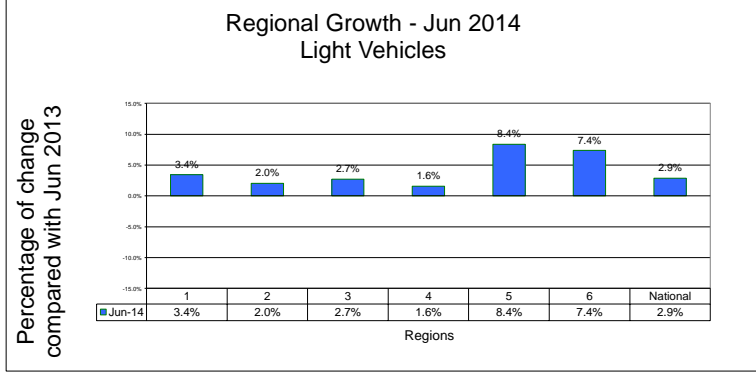
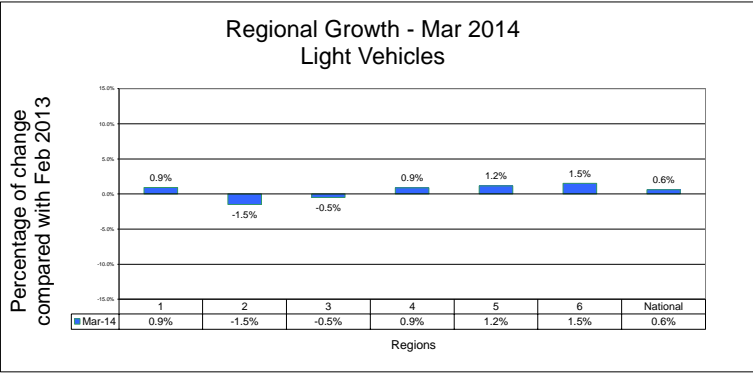
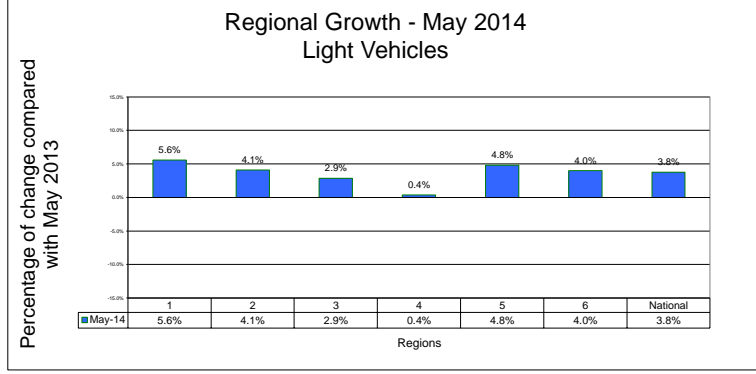
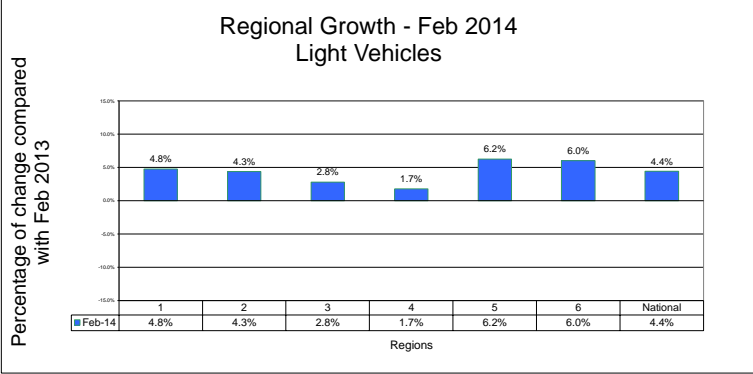
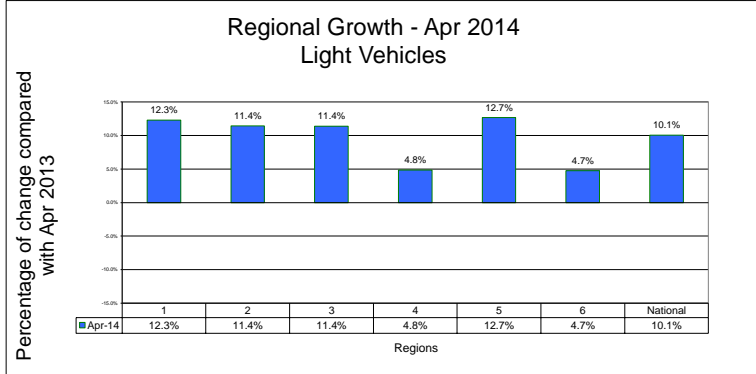
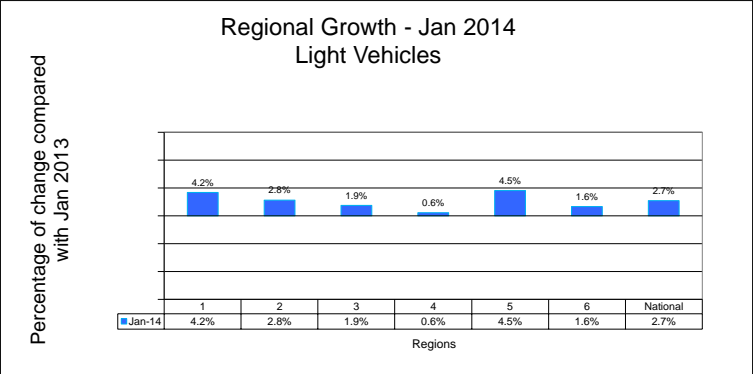
---

### Current Year Growth Graphs

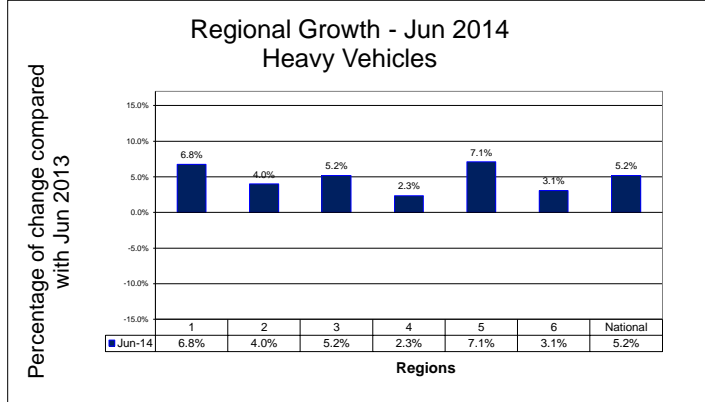
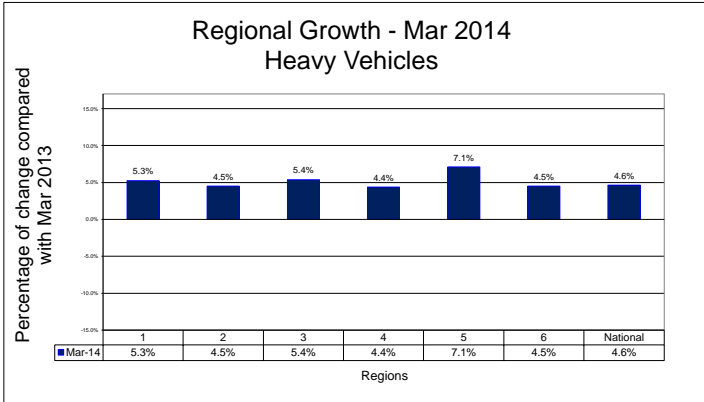
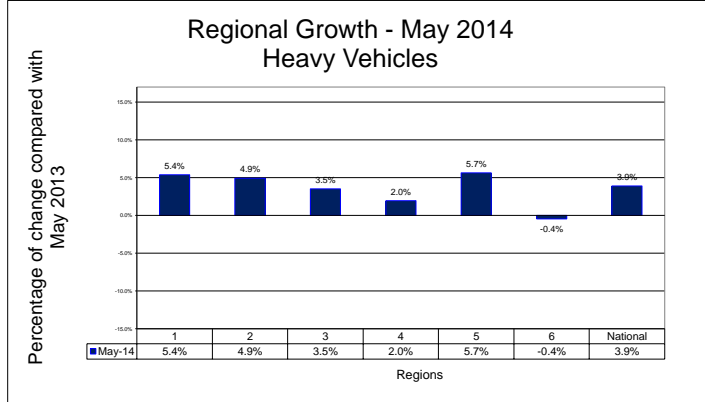
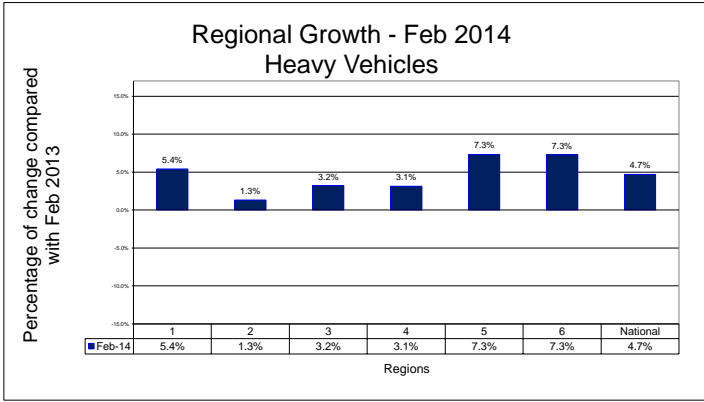
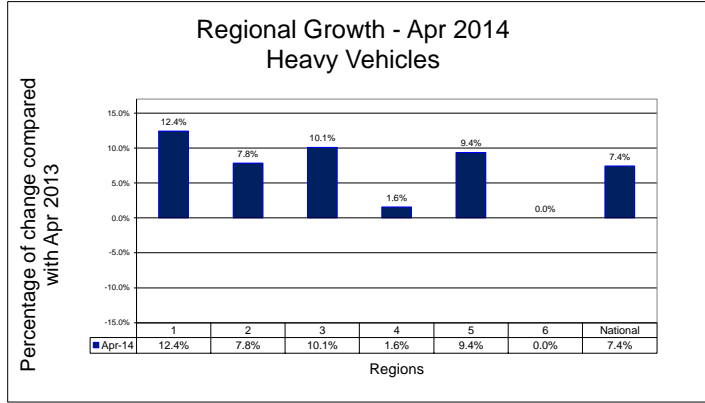
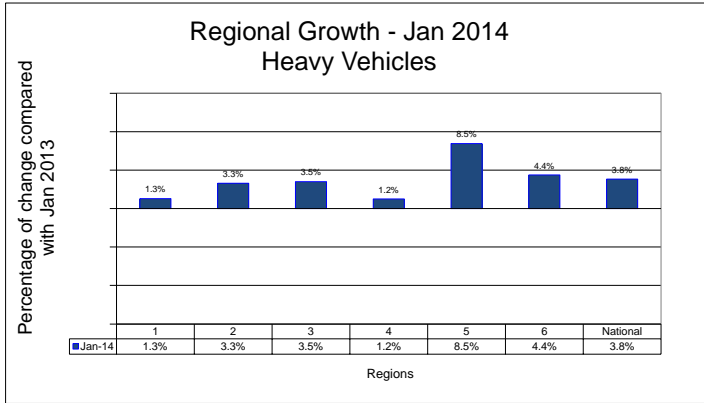
- Light Vehicles
- Heavy Vehicles
- All Vehicles

### MADTs of the sample sites for the past thirteen months

- Light Vehicles
- Heavy Vehicles
- All Vehicles

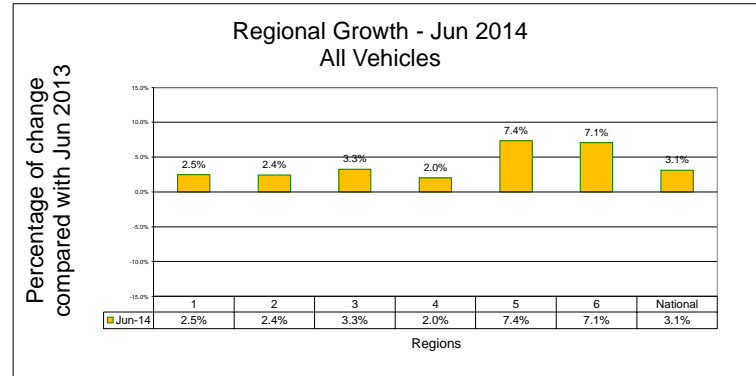
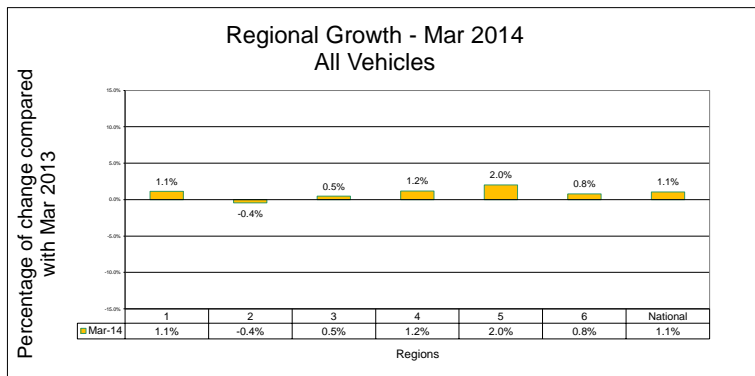
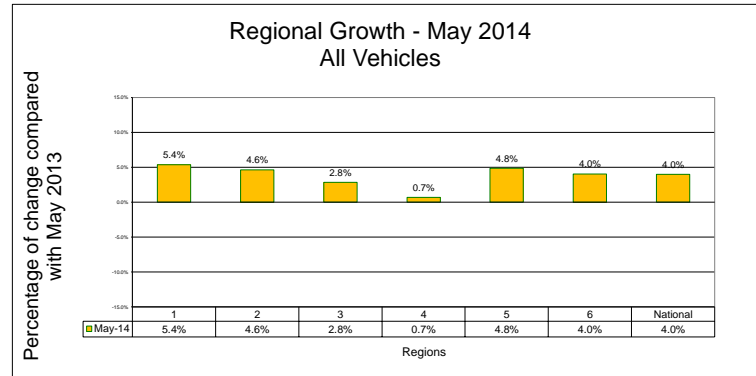
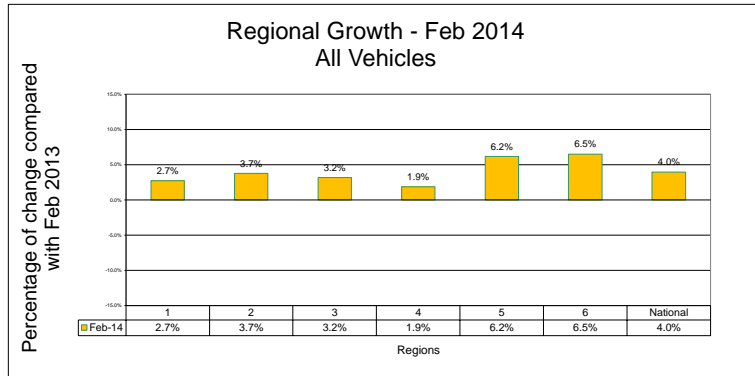
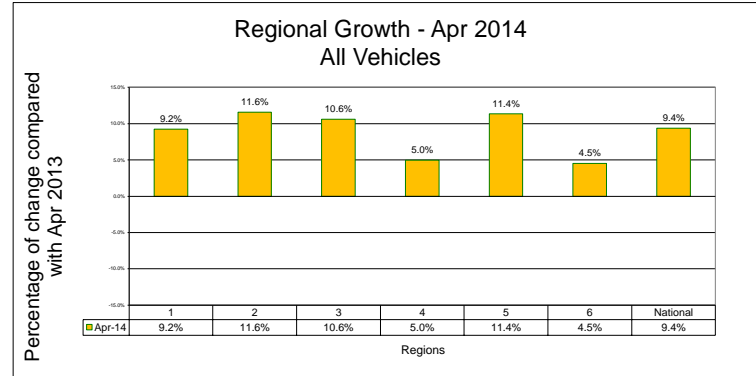
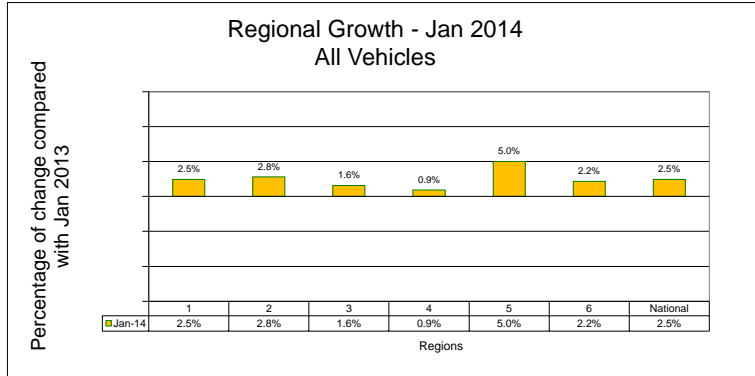














MADT (Light Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	4449	5078	5222	5985	6388	5662	5404	5923	4946	4597	4458	4686	4655
1	ID:01200026	KAIKOHE - Telemetry Site 102	1051	1204	1242	1316	1413	1292	1257	1261	1158	1071	1061	1094	1098
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	2104	2241	2323	2221	2142	2307	2341	2168	2273	2223	2210	2245	2152
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	25774	27839	28595	29882	28748	29423	28432	28775	28179	26570	27504	27432	27891
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	25562	28291	28273	28702	29604	28690	27594	28226	26946	26351	27086	27005	27372
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	6590	7588	7807	9220	10527	8768	8009	9190	7349	6856	6766	6878	6638
1	ID:01N10440	PANAMA Rd - Telemetry Site 79 - SB	56538	61554				58793		55512	59425	55622	57815	58072	56732
1	ID:01N20440	PANAMA RD - Telemetry Site 79 - NB	51576	55292				53427		51320	53366	50906	52850	52929	51465
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	14587	16344	16365	18993	18497	17533	16694	17724	15866	14813	15383	15344	16038
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	14508	16341	15997	17649	19253	17444	16853	17503	15377	15310	15174	15084	14176
1	ID:01N00388	ALPURT - Telemetry Site 95	12114	13672	14457	16612	18009	15990	14810	15592	13871	13090	13166	13120	12945
1	ID:01610016	SH16 Royal Rd Off Ramp to Hobsonville Rd/SH18 Off Ramp W					31797	35142	35262	33159	34996	21886	23449	23644	24155
1	ID:01620016	SH16 Royal Rd On Ramp to Hobsonville Rd On Ramp EB					32934	34931	36581	34175	36265	22872	23010	23503	23636
1	ID:01810007	SH18 Upper Harbour Bridge WB	17812					19408	19841	18481	20208	19185	19338	19740	20014
1	ID:01820007	SH18 Upper Harbour Bridge EB	17250		18929	17593	16327	18639	18778	17792	18967	18027	18319	18571	18976
1	ID:02010012	SH20 Coronation Rd On Ramp to Rimu Rd On Ramp NB	40657	41397	43170	40896	38341	43310	43267	41497	43496	41555	42526	42410	43372
1	ID:02020012	SH20 Walmsley Rd Off Ramp to Rimu Rd Off Ramp SB	39790	40555	42259	39915	37620	41988	41699	40261	41981	39925	41184	41111	42053
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg	10336	11945	11820	13381	16054	13199	12296	13495	11292	10633	11115	10997	10650
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	2196	2759	2868	3968	5042	3553	3225	3496	2468	2231	2270	2212	2286
2	ID:02700011	KAIHERE - Telemetry Site 33	3093	3472	3428	3925	3938	3708	3531	3835	3342	3093	3349	3250	3238
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	17315	18926	18947	20123	19659	20057	19865	20497	19342	18972	19321	19427	18153
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd		7766	7740	8856	8348	8369	7766	8306	7426	7034	7492	7307	7073
2	ID:00300014	OHAUPO - Telemetry Site 119	9773	10500	10742	10288	9484	10793	10750	10273	10872	10673	10536	10543	9943
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	3159	3290	3214	3739	3640	3536	3480	3748	3161	3110	3502	3554	3343
2	ID:03200074	West of Taupo - Telemetry Site 43	413	457	453	563	643	566	491	554	414	400	454	453	423
2	ID:01N00580	KARAPIRO - Telemetry Site 20	12098	12961	13106	14223	14313	13975	13418	14103	13009	12805	12832	12433	12161
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	5848	6713	6731	7752	9133	7502	7102	7402	6354	6101	6266	6231	5973
2	ID:01N00729	HALLETTS BAY - Telemetry Site 42	3863	4282	4204	5277	5886	5257	4394	5066	3809	3558	4457	4153	3996
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	6487	7174	7122	7990	7883	7796	7139	7853	6807	6444	6899	6647	6750
2	ID:01N90552	GREENWOOD - Telemetry Site 97	21336	22974	23266	22478	21701	23458	23347	22396	23556	22772	23176	22658	21508
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	14255	15485	16377	17181	16968	16522	16045	16006	15928			15352	15794
2	ID:03010149	TE NGA - Telemetry Site 64 - East End of Puarenga Brg (Inc)	15032	16410	17081	17004	16590	16986	16459		16069	15433	15679	15389	15113
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	14911	16329	16986	16731	16717	16997	16543		15977	15403	15588	15334	14964
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	3561	4070	4190	4633	4803	4260	4295	4201	3977	3711	3837	3800	3641
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	2201	2418	2510			2624	2580	2548	2386	2291	2347	2264	2255
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	2872	3253	3398	3752	4062	3531	3300	3712	3193	3037	3056	3010	2809
2	ID:00500034	TARUKENGA - Telemetry Site 15 - 4.7km West of Dalbeth Rd	4062	4589	4542	5143	5522	5037	4821	5463	4598	4441	4591	4457	4043
2	ID:02900034	KAIMAI - Telemetry Site 12 - 100m past Boulder Brg	7261	7936	8207	8985	9130	8593	8290	8540	7885	7209	7704	7594	7222
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	5741	6380	6456	7051	7483	7091	6501	6842	6061	5715	6219	5880	5658
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	14938	16152	16948	17371	17035	16702	16038	16394	17046	16026	16315	15991	15753
2	ID:00200242	AWAKERI - Telemetry Site 92	7678	8201	8400	8718	8378	8264	8372	7975	8245	7904	8023	7904	7509
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	13840	14841	15705	15657	15060	15634	15276	14720	15337	14686	14947	14851	14330
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	14761	15871	16596	16218	16049	16554	16176	15463	16153	15453	15738	15640	15120
2	ID:03600014	OROPI - Telemetry Site 117	2470	2686	2885	2913	3062	3047	2945	2252	2685	2533	2651	2622	2656
3	ID:00200428	ORMOND : Telemetry Site 26	1867	2104	2186	2410	2295	2291	2190	2178	2086	1963	2064	1997	1891
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	3372	3901	4200	5045	5140	4090	3844	3980	3763	3566	3334	3349	3358
3	ID:00200627	TANGOIO - Telemetry Site 24	1436	1665	1620	1901	2066	1739	1630	1783	1584	1474	1484	1435	1461
3	ID:00500230	TE POHUE -Telemetry Site 23	1879	2200	2133	2652	2911	2663	2379	2571	1964	1855	2082	1876	1933
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	2571	2956	2955	3689	3760	3499	3158	3348	2713	2545	2689	2609	2660
3	ID:05000010	Nth of Tutaeuri River (Telemetry Site 58)	19712	21371	21785	22969	21431	21681	21540	20708	21316	20614	20699	20628	19864
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	1427	1643	1663	1912	2018	1869	1836	1910	1549	1557	1536	1490	1499

## MADT (Light Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
3	ID:00300267	TARIKI - Telemetry Site 6	7319	7847	8503	8212	7736	8170	8229	7965	8173	7723	8028	7713	7526
3	ID:00300370	WAITOTARA - Telemetry Site 5	2916	3101	3169	3267	3109	3149	3229	3026	2858	2686	2872	2735	2620
3	ID:04500101	OHAWA BEACH Rd - Telemetry Site 71	3112	3353	3657	3535	3407	3628	3481	3296	3451	3244	3274	3279	3155
3	ID:01N00930	SANSON - Telemetry Site 38	9561	10745	10691	11665	11335	11538	11073	11366	10370	9861	10446	10102	9533
3	ID:01N00988	OHAU - Telemetry Site 56	11894	13102	13333	14537	14219	14337	13515	13959	12674	12153	12796	12521	12472
3	ID:00200755	NORSEWOOD - Telemetry Site 25	2746	3196	3180	3653	3928	3653	3461	3558	3019	2966	2983	2804	2806
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	5095	5675	5810	6403	6319	6236	6199	6052	5784	5517	5695	5530	5542
3	ID:00400133	HOROPITO - Telemetry Site 37	1720	1579	1385	1679	1715	1636	1444	1786	1205	1252	1984	1947	1939
3	ID:00400226	UPOKONGARO - Telemetry Site 28	1601	1578	1821	1950	1907	1940	1842	1841	1808	1632	1680	1702	1557
3	ID:01N00827	HIHITAHU - Telemetry Site 29	3056	3532	3314	3935	4776	4195	3556	4264	3210	2942	3356	3118	3087
3	ID:05400049	FIELDING - Telemetry Site 106	5984	6284	6626	6418	5541	6308	6664	6025	6464	6280	6327	6400	5994
3	ID:05700014	SHANNON - Telemetry Site 107	6369	6817	7022	7140	6617	7097	7039	6959	6915	6610	6865	6724	6694
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	20084	20849	21539	21133	20012	22372	22359	20428	22382	21575	21898	22083	21569
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	9354	9989	10644	10621	9955	10721	10398	10000	10260	9982	9757	9825	
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	4716	5137	5359	5924	5941	5681	5807	5350	5061	4941	4750	4690	4826
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47 (Piezo Axle Classification)	19431	21354	21815	22948	21793	22608	21850	21296	20905	20307	20850	20573	20176
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	20771	21852	22373	20927	19347	22020	22188	20179	22157	21359	21578	21939	20548
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	12562	13281		13389	12409	13407	13806	12861	13450	13027	12889	13043	12412
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	19965	21152	21383	20141	18693	21517	21631	19331	21479	20440	20802	20868	20570
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	19564	20775	21087	19503	18012	20841	21030	19042	20846	19820	20109	20264	19164
4	ID:00210965	KELSON - Telemetry Site 99 - SB	16192	16871	17021	15166	15406	16785	16783		16453	15938	15904	15980	15163
4	ID:00220965	KELSON - Telemetry Site 99 - NB	15663	16057	16378	14839	14518	16169	16113		16095	15446	15408	15514	14690
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatū Drive at Songer St	19124	20603	21862	21893	21508	21579	21341	20057	20466	19634	20133	20108	19412
4	ID:00600232	MURCHISON - Telemetry Site 35			1492	1744	2121	2009	1657	1773	1203	1056	1166	1078	1137
4	ID:00600100	HIRA - Telemetry Site 36	2282	2598	2825	3141	3427	3323	3013	2818	2450	2170	2277	2299	2218
4	ID:06000040	SH60 Riwaka Telemetry Site 86	2375	3020	3462	4217	5489	4950	3902		2744	2425	2343	2471	2403
4	ID:01S00037	Blenheim Telemetry Site 87	2670	3001	3161				3320	3468	2897	2726	2950	2812	2795
4	ID:06300096	ST ARNAUD - Telemetry Site 93	190	266	318	316	403	434	375	374	237	193	216	204	212
4	ID:06000006	RICHMOND - Telemetry Site 112	8365	9290	10005	10949	11314	10986	10282	9421	9311	8763		8952	8642
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	8591	9543	9866	10451	10065	10304	9926	10215	9172	8763	9343	9049	8628
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	17450	19129	19710	19869	18863	19323	18982	18998	18952	18162	18654	18139	17432
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1256	1242	1413	1531	1672	1639	1588	1545	1100	1038	1234	1369	1276
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	1473	1876	2001	2404	2820	2572	2038	2229	1660	1432	1422	1131	1507
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	4570	5223	5336	5643	5472	5638	5305	5695	5125	4846	4970	4792	4558
5	ID:00700108	LEWIS PASS - Telemetry Site 32	728	953	930	1143	1404	1188	978	1213	820	685	755	679	726
5	ID:01S00285	WAI PARA - Telemetry Site 52 - (WIM Site)			6746	7571	8061	7430	6596	7443				5695	5833
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	20160	21995	22145	21419	21386	22447	21605	20616	21707	20943	21886	21562	21319
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	19738	21486	21774	21263	20526	22147	21603	20347	21675	20514	21261	20908	20725
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)	1868	1952	2156	2478	3066	2688	2473	2818	1767	1682	1913	1902	1713
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	8177	9054	9482	9116	9205	10176	9590	8672	9367	8840	8655	8809	8420
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2209	2436	2737	2889	3029	3056	2866	2765	2322	2188	2429	2280	2294
5	ID:00700239	AHAURA - Telemetry Site 40		974		1106	1133	1135	1075	1112	1012	889	952	928	897
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	607	722	930	1019	1157	1185	1030	930	644	593	640	602	619
5	ID:00600753	HAAST - Telemetry Site 111	540	738	944	978	1200	1224		943	512	401	429	448	609
6	ID:00600895	WANAKA - Telemetry Site 109	2589	2885	3104	3427		3616	3508	4256	2675	2562	2929	2967	2706
6	ID:00800263	TARRAS - Telemetry Site 110	1085	1167	1288	1631	2056	1702	1532	1906	996	883	1105		
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	1742	1870	1961	2180	2602	2316	2112	2351	1760	1671	1683	1837	1881
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	14368	15265	15536	15003	13540			14578			14985	14929	14286
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	9829	10559	10695	10318	9505			9928			10450	10275	9815
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2351	2448	2491	2377	2214			2268			2363	2403	2371

## MADT (Light Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	2817	2951	3079	2810	2691			2733			2811	2901	2876
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	2995	3118	3235	2979	2735			2929			3061	3115	2991
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	1987	2093	2177	1987	1898			1955			1945	1987	1973
6	ID:01S00765	MILTON - Telemetry Site 27	4709	5324	5442	5807	5610	5976	5697	5891	5334	5071	5086	4934	4946
6	ID:06A00001	FRANKTON - Telemetry Site 90	16761	17392	18205	19368	20418	20229	18917	19643	16342	17118	19267	19361	17301
6	ID:08500161	GALLOWAY - Telemetry Site 89	1681	1767	1903	2084	2191	2041	1831	1837	1717	1604	1662	1763	1790
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8241	8221	8728	8168	7738	8712	8589	7588	8082	7850	7750	7709	8199
6	ID:08300063	KUROW - Telemetry Site 113	697	865	896	1247	1379	1113	999	1035	712	631		668	687
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	9847	11030	11971	11154	10165	12101	11349	10218	11133	10451	10551	10786	10242
6	ID:00601147	WINTON - Telemetry Site 46	3927	4270	4633	4492	4060	4559	4569	4368	4416	4248	4200	4283	4098
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	1256	1516	1788	1941	2492	2375	2113	1970	1388	1269	1283	1260	1431
6	ID:01S00854	GORE - Telemetry Site 45	3135	3523	3685	3802	3567	4012	3658	3684	3536	3323	3429	3351	3332
6	ID:09400141	TE ANAU - Telemetry Site 94	667	808	1195	1332	1605	1626	1400	1244	748	590	570	612	703

MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	644	735	788	789	833	804	774	775	690	564	593	618	655
1	ID:01200026	KAIKOHE - Telemetry Site 102	44	55	64	57	61	76	86	69	81	56	68	57	62
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	299	315	309	249	262	286	291	272	288	264	311	342	335
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2432	2662	2781	2567	2583	2913	2860	2787	2861	2533	2673	2645	2803
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2309	2598	2647	2392	2516	2747	2726	2677	2734	2425	2550	2526	2677
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	881	1020	1095	1065	1193	1160	1106	1115	1035	885	851	887	910
1	ID:01N10440	PANAMA Rd - Telemetry Site 79 - SB	3602	4108				3991		4041	4183	3542	3810	3784	3878
1	ID:01N20440	PANAMA RD - Telemetry Site 79 - NB	3562	4048				4005		3751	3851	3266	3586	3486	3444
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	1973	2115	2239	2146	2111	2305	2304	2272	2249	2091	2118	2056	2216
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	1789	1984	2099	1979	2036	2147	2103	2042	2038	1876	1885	1826	1846
1	ID:01N00388	ALPURT - Telemetry Site 95	1065	1289	1387	1388	1445	1443	1406	1396	1339	1176	1174	1151	1212
1	ID:01610016	SH16 Royal Rd Off Ramp to Hobsonville Rd/SH18 Off Ramp WB					1824	2066	2263	2101	2286	1354	1009	984	1037
1	ID:01620016	SH16 Royal Rd On Ramp to Hobsonville Rd On Ramp EB					1249	1669	1713	1611	1768	998	1038	1044	1098
1	ID:01810007	SH18 Upper Harbour Bridge WB	1252					988	1047	969	830	742	780	788	828
1	ID:01820007	SH18 Upper Harbour Bridge EB	637		635	556	530	729	764	732	775	690	745	748	777
1	ID:02010012	SH20 Coronation Rd On Ramp to Rimu Rd On Ramp NB	3235	3425	3510	3138	3097	3531	3470	3257	3496	3319	3396	3453	3635
1	ID:02020012	SH20 Walmsley Rd Off Ramp to Rimu Rd Off Ramp SB	3255	3402	3566	3149	3092	3592	3470	3295	3535	3365	3443	3499	3635
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg	1611	1768	1902	1676	1848	1927	1864	1915	1872	1633	1688	1654	1679
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	222	256	293	361	419	313	307	296	254	215	210	221	235
2	ID:02700011	KAIHERE - Telemetry Site 33	855	938	1016	907	886	988	964	931	938	831	829	815	881
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	2119	2356	2535	2303	2240	2433	2409	2280	2256	2090	2133	2147	2203
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd		1633	1694	1455	1609	1717	1753	1608	1591	1372	1379	1380	1478
2	ID:00300014	OHAUPO - Telemetry Site 119	601	735	714	645	659	778	770	700	730	624	623	618	641
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	662	706	779	707	689	767	759	776	725	623	655	676	686
2	ID:03200074	West of Taupo - Telemetry Site 43	52	64	63	68	81	80	78	68	57	56	52	46	49
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1409	1655	1764	1611	1785	2091	1889	1689	1693	1350	1438	1511	1648
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	737	836	878	832	907	897	868	891	820	729	737	734	754
2	ID:01N00729	HALLETTS BAY - Telemetry Site 42	731	788	891	820	858	910	867	825	829	745	738	667	750
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	1510	1676	1716	1586	1591	1703	1750	1632	1594	1325	1364	1354	1567
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1745	1932	1980	1764	1839	2159	2111	1983	2135	1947	1967	1926	1860
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1102	1232	1283	1202	1192	1279	1267	1290	1331			1117	1260
2	ID:03010149	TE NGA - Telemetry Site 64 - East End of Puarenga Brg (Inc)	923	1011	1015	889	923	1001	1006		904	837	856	837	747
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	957	1086	1139	988	1056	1134	1126		1069	983	978	964	803
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	772	841	870	777	773	769	801	728	782	653	661	681	677
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	329	326	353			374	388	368	361	336	328	319	352
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	581	631	671	582	626	660	667	611	611	559	525	504	532
2	ID:00500034	TARUKENGA - Telemetry Site 15 - 4.7km West of Dalbeth Rd	562	625	663	613	674	731	719	723	631	544	557	548	537
2	ID:02900034	KAIMAI - Telemetry Site 12 - 100m past Boulder Brg	1277	1486	1582	1457	1332	1714	1724	1625	1577	1152	1251	1285	1408
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	862	913	911	784	878	956	982	903	849	736	765	726	784
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	1896	2065	2129	1850	1899	2088	2095	1992	2262	1891	1923	1789	1913
2	ID:00200242	AWAKERI - Telemetry Site 92	657	784	796	701	713	779	783	665	721	595	607	620	646
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1099	1277	1343	1198	1172	1406	1401	1333	1365	1117	1135	1163	1204
	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1118	1285	1337	1207	1181	1393	1385	1314	1370	1168	1186	1211	1240
	ID:03600014	OROPI - Telemetry Site 117	205	230	256	218	234	292	325	204	201	170	188	186	201
3	ID:00200428	ORMOND : Telemetry Site 26	204	266	283	258	300	344	342	282	296	235	230	231	217
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	429	531	555	497	493	595	593	482	587	504	516	449	471
3	ID:00200627	TANGOIO - Telemetry Site 24	317	367	389	362	426	433	443	399	400	364	334	316	311
3	ID:00500230	TE POHUE -Telemetry Site 23	488	491	573	477	504	565	561	552	570	509	480	482	467
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	620	659	734	626	619	717	740	707	723	640	627	630	609
3	ID:05000010	Nth of TutaeKuri River (Telemetry Site 58)	1282	1403	1469	1571	1610	1643	1736	1521	1607	1439	1403	1303	1317
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	422	424	468	425	438	483	475	480	427	380	407	446	435

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
3	ID:00300267	TARIKI - Telemetry Site 6	1036	1101	1171	1050	1066	1153	1188	1052	1026	831	896	992	1064
3	ID:00300370	WAITOTARA - Telemetry Site 5	685	643	819	660	664	689	683	683	643	477	511	604	526
3	ID:04500101	OHAWE BEACH Rd - Telemetry Site 71	594	688	647	559	543	548	493	420	369	261	281	436	601
3	ID:01N00930	SANSON - Telemetry Site 38	1464	1630	1761	1592	1615	1713	1708	1671	1629	1403	1439	1466	1418
3	ID:01N00988	OHAU - Telemetry Site 56	1360	1474	1594	1463	1467	1619	1592	1536	1491	1356	1427	1376	1472
3	ID:00200755	NORSEWOOD - Telemetry Site 25	527	575	643	587	657	701	719	652	584	506	509	519	542
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	679	735	833	757	830	870	896	831	802	716	716	723	720
3	ID:00400133	HOROPITO - Telemetry Site 37	250	260	298	277	278	321	306	257	266	234	283	252	262
3	ID:00400226	UPOKONGARO - Telemetry Site 28	137	146	183	173	186	199	189	176	180	178	169	153	154
3	ID:01N00827	HIHITAHU - Telemetry Site 29	866	942	1057	904	1059	1064	990	960	920	829	839	758	813
3	ID:05400049	FIELDING - Telemetry Site 106	217	231	253	229	216	260	268	217	231	217	216	213	217
3	ID:05700014	SHANNON - Telemetry Site 107	663	727	778	729	715	779	781	787	723	688	713	703	774
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	628	680	726	664	650	748	730	665	715	676	688	667	724
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	585	646	699	621	627	695	651	594	598	527	502	533	
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	294	323	359	347	345	356	360	315	313	275	267	268	297
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47 (Piezo Axle Classification)	1800	2001	2060	1755	1858	2068	2075	1995	2021	1839	1938	1886	2010
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	626	681	724	650	623	720	703	639	692	660	698	671	684
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	466	499		472	472	552	556	518	525	481	478	481	467
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	698	712	723	657	617	723	692	607	701	662	664	644	676
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	916	958	976	897	850	983	952	855	946	896	904	893	892
4	ID:00210965	KELSON - Telemetry Site 99 - SB	677	543	840	589	665	793	779		767	710	744	705	684
4	ID:00220965	KELSON - Telemetry Site 99 - NB	642	515	742	543	584	701	707		652	592	596	580	594
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1209	1326	1407	1239	1375	1356	1428	1284	1351	1199	1274	1203	1209
4	ID:00600232	MURCHISON - Telemetry Site 35			321	292	370	365	332	325	281	219	238	238	248
4	ID:00600100	HIRA - Telemetry Site 36	431	448	489	445	491	524	513	464	449	378	414	432	423
4	ID:06000040	SH60 Riwaka Telemetry Site 86	179	221	303	294	346	364	317		240	157	153	170	186
4	ID:01S00037	Blenheim Telemetry Site 87	538	659	686				755	946	677	571	594	593	674
4	ID:06300096	ST ARNAUD - Telemetry Site 93	27	35	39	32	41	51	52	42	40	27	26	27	25
4	ID:06000006	RICHMOND - Telemetry Site 112	474	469	480	475	518	549	580	537	509	468	456	463	491
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1543	1753	1908	1816	1846	1913	1773	1684	1570	1312	1391	1394	1514
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1642	1864	1873	1946	1733	1819	1882	1704	1683	1358	1395	1506	1682
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	221	217	254	247	263	279	279	237	203	190	199	183	208
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	461	521	572	506	542	565	515	543	523	425	386	358	506
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	997	1112	1167	1110	1127	1160	1164	1062	979	749	774	880	1009
5	ID:00700108	LEWIS PASS - Telemetry Site 32	155	188	208	198	265	219	212	220	188	154	162	164	160
5	ID:01S00285	WAIPARA - Telemetry Site 52 - (WIM Site)			1322	1230	1302	1305	1227	1242				1009	1182
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1539	1764	1826	1590	1724	1818	1701	1581	1667	1421	1500	1481	1624
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1321	1515	1572	1422	1442	1554	1453	1347	1430	1216	1297	1272	1399
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1656	1775	1997	1806	1739	1952	1824	1778	1990	1814	1900	1810	1994
5	ID:00800059	FAIRLIE - Telemetry Site 98	236	253	303	310	398	361	332	362	233	199	193	199	221
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	351	403	432	412	428	438	411	363	273	210	231	260	355
5	ID:00700239	AHAURA - Telemetry Site 40		222		208	211	229	227	200	181	132	147	170	180
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	86	97	120	117	120	132	119	102	72	53	59	65	84
5	ID:00600753	HAAST - Telemetry Site 111	54	72	106	91	105	117		105	68	46	47	55	67
6	ID:00600895	WANAKA - Telemetry Site 109	201	226	259	261		308	295	340	204	188	211	205	221
6	ID:00800263	TARRAS - Telemetry Site 110	172	191	219	227	298	261	244	293	191	156	165		
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	187	203	227	229	289	275	241	257	207	168	177	202	213
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	807	891	926	844	827			812			741	743	782
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	655	730	751	685	671			686			585	584	630
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	122	129	134	116	121			116			131	132	133

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	195	213	225	187	192			193			208	210	222
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	122	139	140	120	119			127			136	140	133
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	71	76	85	70	71			68			67	70	76
6	ID:01S00765	MILTON - Telemetry Site 27	707	808	890	809	826	954	884	870	794	644	629	639	742
6	ID:06A00001	FRANKTON - Telemetry Site 90	784	845	959	975	1012	1106	1022	989	748	741	899	882	813
6	ID:08500161	GALLOWAY - Telemetry Site 89	117	117	134	122	138	153	144	129	125	97	110	115	123
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	462	482	562	508	514	625	553	451	482	450	405	369	487
6	ID:08300063	KUROW - Telemetry Site 113	97	122	134	167	186	162	144	141	95	71	78	89	107
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	347	395	427	338	362	438	463	395	421	379	410	412	428
6	ID:00601147	WINTON - Telemetry Site 46	425	486	509	480	472	534	538	471	450	395	386	395	451
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	146	184	232	221	296	292	286	242	208	124	145	154	176
6	ID:01S00854	GORE - Telemetry Site 45	461	545	608	542	550	616	577	529	516	366	373	430	527
6	ID:09400141	TE ANAU - Telemetry Site 94	73	99	167	142	170	177	160	137	83	60	64	65	88



## MADT (All Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	5093	5813	6010	6774	7221	6466	6178	6698	5636	5161	5051	5304	5310
1	ID:01200026	KAIKOHE - Telemetry Site 102	1095	1259	1306	1373	1474	1368	1343	1330	1239	1127	1129	1151	1160
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	2403	2556	2632	2470	2404	2593	2632	2440	2561	2487	2521	2587	2487
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	28206	30501	31376	32449	31331	32336	31292	31562	31040	29103	30177	30077	30694
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	27871	30889	30920	31094	32120	31437	30320	30903	29680	28776	29636	29531	30049
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	7471	8608	8902	10285	11720	9928	9115	10305	8384	7741	7617	7765	7548
1	ID:01N10440	PANAMA Rd - Telemetry Site 79 - SB	60140	65662				62784		59553	63608	59164	61625	61856	60610
1	ID:01N20440	PANAMA RD - Telemetry Site 79 - NB	55138	59340				57432		55071	57217	54172	56436	56415	54909
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	16560	18459	18604	21139	20608	19838	18998	19996	18115	16904	17501	17400	18254
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	16297	18325	18096	19628	21289	19591	18956	19545	17415	17186	17059	16910	16022
1	ID:01N00388	ALPURT - Telemetry Site 95	13179	14961	15844	18000	19454	17433	16216	16988	15210	14266	14340	14271	14157
1	ID:01N00424	Auckland Harbour Brg - Centre Span - Telemetry Site 55	73878	77395	79171	67669	69220	72852	67993	68749	74687	71396	72391	73180	75481
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on - Telemetry Site 55	42255	44197	44428	37388	38937	43482	43549	41540	44052	40988	42151	42132	42380
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on - Telemetry Site 55	43380	44944	45691	39224	40096	45071	44448	42768	43948	42797	42926	43206	43923
1	ID:01610016	SH16 Royal Rd Off Ramp to Hobsonville Rd/SH18 Off Ramp WB					33621	37208	37525	35260	37282	23240	24458	24628	25192
1	ID:01620016	SH16 Royal Rd On Ramp to Hobsonville Rd On Ramp EB					34183	36600	38294	35786	38033	23870	24048	24547	24734
1	ID:01810007	SH18 Upper Harbour Bridge WB	19064	19773				20396	20888	19450	21038	19927	20118	20528	20842
1	ID:01820007	SH18 Upper Harbour Bridge EB	17887	18532	19564	18149	16857	19368	19542	18524	19742	18717	19064	19319	19753
1	ID:02010012	SH20 Coronation Rd On Ramp to Rimu Rd On Ramp NB	43892	44822	46680	44034	41438	46841	46737	44754	46992	44874	45922	45863	47007
1	ID:02020012	SH20 Walmsley Rd Off Ramp to Rimu Rd Off Ramp SB	43045	43957	45825	43064	40712	45580	45169	43556	45516	43290	44627	44610	45688
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74 West of Grahams Brg	11947	13713	13722	15057	17902	15126	14160	15410	13164	12266	12803	12651	12329
2	ID:25A00024	HIKUAU - Telemetry Site 76 - 1.3km after Kitahi Rd	2418	3015	3161	4329	5461	3866	3532	3792	2722	2446	2480	2433	2521
2	ID:02700011	KAIHERE - Telemetry Site 33	3948	4410	4444	4832	4824	4696	4495	4766	4280	3924	4178	4065	4119
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	19434	21282	21482	22426	21899	22490	22274	22777	21598	21062	21454	21574	20356
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd		9399	9434	10311	9957	10086	9519	9914	9017	8406	8871	8687	8551
2	ID:00300014	OHAUPO - Telemetry Site 119	10374	11235	11456	10933	10143	11571	11520	10973	11602	11297	11159	11161	10584
2	ID:00300085	TE KUIITI - Telemetry Site 16 - Nth of 8 Mile Junction	3821	3996	3993	4446	4329	4303	4239	4524	3886	3733	4157	4230	4029
2	ID:03200074	West of Taupo - Telemetry Site 43	465	521	516	631	724	646	569	622	471	456	506	499	472
2	ID:01N00580	KARAPIRO - Telemetry Site 20	13507	14616	14870	15834	16098	16066	15307	15792	14702	14155	14270	13944	13809
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	6585	7549	7609	8584	10040	8399	7970	8293	7174	6830	7003	6965	6727
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	4594	5070	5095	6097	6744	6167	5261	5891	4638	4303	5195	4820	4746
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)	7997	8850	8838	9576	9474	9499	8889	9485	8401	7769	8263	8001	8317
2	ID:01N90552	GREENWOOD - Telemetry Site 97	23081	24906	25246	24242	23540	25617	25458	24379	25691	24719	25143	24584	23368
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	15357	16717	17660	18383	18160	17801	17312	17296	17259			16469	17054
2	ID:03010149	TE NGA - Telemetry Site 64 - East End of Puarenga Brg (Inc)	15955	17421	18096	17893	17513	17987	17465		16973	16270	16535	16226	15860
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	15868	17415	18125	17719	17773	18131	17669		17046	16386	16566	16298	15767
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	4333	4911	5060	5410	5576	5029	5096	4929	4759	4364	4498	4481	4318
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	2530	2744	2863			2998	2968	2916	2747	2627	2675	2583	2607
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	3453	3884	4069	4334	4688	4191	3967	4323	3804	3596	3581	3514	3341
2	ID:00500034	TARUKENGA - Telemetry Site 15 - 4.7km West of Dalbeth Rd	4624	5214	5205	5756	6196	5768	5540	6186	5229	4985	5148	5005	4580
2	ID:02900034	KAIMAI - Telemetry Site 12 - 100m past Boulder Brg	8538	9422	9789	10442	10462	10307	10014	10165	9462	8361	8955	8879	8630
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	6603	7293	7367	7835	8361	8047	7483	7745	6910	6451	6984	6606	6442
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	16834	18217	19077	19221	18934	18790	18133	18386	19308	17917	18238	17780	17666
2	ID:00200242	AWAKERI - Telemetry Site 92	8335	8985	9196	9419	9091	9043	9155	8640	8966	8499	8630	8524	8155
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	14939	16118	17048	16855	16232	17040	16677	16053	16702	15803	16082	16014	15534
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	15879	17156	17933	17425	17230	17947	17561	16777	17523	16621	16924	16851	16360
2	ID:03600014	OROPI - Telemetry Site 117	2675	2916	3141	3131	3296	3339	3270	2456	2886	2703	2839	2808	2857
3	ID:00200428	ORMOND - Telemetry Site 26	2071	2370	2469	2668	2595	2635	2532	2460	2382	2198	2294	2228	2108
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	3801	4432	4755	5542	5633	4685	4437	4462	4350	4070	3850	3798	3829
3	ID:00200627	TANGOIO - Telemetry Site 24	1753	2032	2009	2263	2492	2172	2073	2182	1984	1838	1818	1751	1772
3	ID:00500230	TE PUHUE - Telemetry Site 23 - 1km Nth of Oakmere Station Gateway	2367	2691	2706	3129	3415	3228	2940	3123	2534	2364	2562	2358	2400
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	3191	3615	3689	4315	4379	4216	3898	4055	3436	3185	3316	3239	3269
3	ID:05000010	Nth of Tutaekuri River (Telemetry Site 58)	20994	22774	23254	24540	23041	23324	23276	22229	22923	22053	22102	21931	21181

## MADT (All Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	1849	2067	2131	2337	2456	2352	2311	2390	1976	1937	1943	1936	1934
3	ID:00300267	TARIKI - Telemetry Site 6	8355	8948	9674	9262	8802	9323	9417	9017	9199	8554	8924	8705	8590
3	ID:00300370	WAITOTARA - Telemetry Site 5	3601	3744	3988	3927	3773	3838	3912	3709	3501	3163	3383	3339	3146
3	ID:04500101	OHAWE BEACH Rd - Telemetry Site 71	3706	4041	4304	4094	3950	4176	3974	3716	3820	3505	3555	3715	3756
3	ID:01N00930	SANSON - Telemetry Site 38	11025	12375	12452	13257	12950	13251	12781	13037	11999	11264	11885	11568	10951
3	ID:01N00988	OHAU - Telemetry Site 56	13254	14576	14927	16000	15686	15956	15107	15495	14165	13509	14223	13897	13944
3	ID:00200755	NORSEWOOD - Telemetry Site 25	3273	3771	3823	4240	4585	4354	4180	4210	3603	3472	3492	3323	3348
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	5774	6410	6643	7160	7149	7106	7095	6883	6586	6233	6411	6253	6262
3	ID:00400133	HOROPITO - Telemetry Site 37	1970	1839	1683	1956	1993	1957	1750	2043	1471	1486	2267	2199	2201
3	ID:00400226	UPOKONGARO - Telemetry Site 28	1738	1724	2004	2123	2093	2139	2031	2017	1988	1810	1849	1855	1711
3	ID:01N00827	HIHITAHU - Telemetry Site 29	3922	4474	4371	4839	5835	5259	4546	5224	4130	3771	4195	3876	3900
3	ID:05400049	FIELDING - Telemetry Site 106	6201	6515	6879	6647	5757	6568	6932	6242	6695	6497	6543	6613	6211
3	ID:05700014	SHANNON - Telemetry Site 107	7032	7544	7800	7869	7332	7876	7820	7746	7638	7298	7578	7427	7468
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	20712	21529	22265	21797	20662	23120	23089	21093	23097	22251	22586	22750	22293
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	9939	10635	11343	11242	10582	11416	11049	10594	10858	10509	10259	10358	
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	5010	5460	5718	6271	6286	6037	6167	5665	5374	5216	5017	4958	5123
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47 (Piezo Axle Classification)	21231	23355	23875	24703	23651	24676	23925	23291	22926	22146	22788	22459	22186
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	21397	22533	23097	21577	19970	22740	22891	20818	22849	22019	22276	22610	21232
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	13028	13780		13861	12881	13959	14362	13379	13975	13508	13367	13524	12879
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	20663	21864	22106	20798	19310	22240	22323	19938	22180	21102	21466	21512	21246
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	20480	21733	22063	20400	18862	21824	21982	19897	21792	20716	21013	21157	20056
4	ID:00210965	KELSON - Telemetry Site 99 - SB	16869	17414	17861	15755	16071	17578	17562		17220	16648	16648	16685	15847
4	ID:00220965	KELSON - Telemetry Site 99 - NB	16305	16572	17120	15382	15102	16870	16820		16747	16038	16004	16094	15284
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	20333	21929	23269	23132	22883	22935	22769	21341	21817	20833	21407	21311	20621
4	ID:00600232	MURCHISON - Telemetry Site 35			1813	2036	2491	2374	1989	2098	1484	1275	1404	1316	1385
4	ID:00600100	HIRA - Telemetry Site 36	2713	3046	3314	3586	3918	3847	3526	3282	2899	2548	2691	2731	2641
4	ID:06000040	SH60 Riwaka Telemetry Site 86	2554	3241	3765	4511	5835	5314	4219		2984	2582	2496	2641	2589
4	ID:01S00037	Blenheim Telemetry Site 87	3208	3660	3847				4075	4414	3574	3297	3544	3405	3469
4	ID:06300096	ST ARNAUD - Telemetry Site 93	217	301	357	348	444	485	427	416	277	220	242	231	237
4	ID:06000006	RICHMOND - Telemetry Site 112	8839	9759	10485	11424	11832	11535	10862	9958	9820	9231	9229	9415	9133
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	10134	11296	11774	12267	11911	12217	11699	11899	10742	10075	10734	10443	10142
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	19092	20993	21583	21815	20596	21142	20864	20702	20635	19520	20049	19645	19114
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1477	1459	1667	1778	1935	1918	1867	1782	1303	1228	1433	1552	1484
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	1934	2397	2573	2910	3362	3137	2553	2772	2183	1857	1808	1489	2013
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	5567	6335	6503	6753	6599	6798	6469	6757	6104	5595	5744	5672	5567
5	ID:00700108	LEWIS PASS - Telemetry Site 32	883	1141	1138	1341	1669	1407	1190	1433	1008	839	917	843	886
5	ID:01S00285	WAI PARA - Telemetry Site 52 - (WIM Site)			8068	8801	9363	8735	7823	8685				6704	7015
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	21699	23759	23971	23009	23110	24265	23306	22197	23374	22364	23386	23043	22943
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	21059	23001	23346	22685	21968	23701	23056	21694	23105	21730	22558	22180	22124
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)	2104	2205	2459	2788	3464	3049	2805	3180	2000	1881	2106	2101	1934
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	9833	10829	11479	10922	10944	12128	11414	10450	11357	10654	10555	10619	10414
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2560	2839	3169	3301	3457	3494	3277	3128	2595	2398	2660	2540	2649
5	ID:00700239	AHAURA - Telemetry Site 40		1196		1314	1344	1364	1302	1312	1193	1021	1099	1098	1077
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	693	819	1050	1136	1277	1317	1149	1032	716	646	699	667	703
5	ID:00600753	HAAST - Telemetry Site 111	594	810	1050	1069	1305	1341		1048	580	447	476	503	676
6	ID:00600895	WANAKA - Telemetry Site 109	2790	3111	3363	3688		3924	3803	4596	2879	2750	3140	3172	2927
6	ID:00800263	TARRAS - Telemetry Site 110	1257	1358	1507	1858	2354	1963	1776	2199	1187	1039	1270		
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	1929	2073	2188	2409	2891	2591	2353	2608	1967	1839	1860	2039	2094
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	15175	16156	16462	15847	14367			15390			15726	15672	15068
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	10484	11289	11446	11003	10176			10614			11035	10859	10445
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2473	2577	2625	2493	2335			2384			2494	2535	2504
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3012	3164	3304	2997	2883			2926			3019	3111	3098

## MADT (All Vehicles)

NZTA Region	Site Ref	Description	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3117	3257	3375	3099	2854			3056			3197	3255	3124
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2058	2169	2262	2057	1969			2023			2012	2057	2049
6	ID:01S00765	MILTON - Telemetry Site 27	5416	6132	6332	6616	6436	6930	6581	6761	6128	5715	5715	5573	5688
6	ID:06A00001	FRANKTON - Telemetry Site 90	17545	18237	19164	20343	21430	21335	19939	20632	17090	17859	20166	20243	18114
6	ID:08500161	GALLOWAY - Telemetry Site 89	1798	1884	2037	2206	2329	2194	1975	1966	1842	1701	1772	1878	1913
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8703	8703	9290	8676	8252	9337	9142	8039	8564	8300	8155	8078	8686
6	ID:08300063	KUROW - Telemetry Site 113	794	987	1030	1414	1565	1275	1143	1176	807	702	727	757	794
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	10194	11425	12398	11492	10527	12539	11812	10613	11554	10830	10961	11198	10670
6	ID:00601147	WINTON - Telemetry Site 46	4352	4756	5142	4972	4532	5093	5107	4839	4866	4643	4586	4678	4549
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	1402	1700	2020	2162	2788	2667	2399	2212	1596	1393	1428	1414	1607
6	ID:01S00854	GORE - Telemetry Site 45	3596	4068	4293	4344	4117	4628	4235	4213	4052	3689	3802	3781	3859
6	ID:09400141	TE ANAU - Telemetry Site 94	740	907	1362	1474	1775	1803	1560	1381	831	650	634	677	791