



## Traffic Volumes Monthly Report April 2013

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#### Quality Assurance Statement

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Approved for issue by: Philip Blagdon

#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/05/2013	Final	Gerald Wen	Philip Blagdon	

## Overview

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### Summary

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

### April 2013 State Highway Traffic Insight

- **4.5%**

Nationally, the MADT of all vehicles were down 4.5% versus April 2012.

- **0.5%**

Nationally, the MADT for heavy vehicles showed a 0.5 % decrease versus April 2012.

**3.6%**

Region 5 (Canterbury and West Coast) showed an increase of heavy vehicles MADT. This growth was mainly driven by the performance of Canterbury.

- **5.1%**

Region 4 (Wellington, Nelson, Marlborough and Tasman) had a larger decrease in heavy vehicles MADT compared with other regions.

Note: It has to be taken into account that the Easter holidays falling most in March this year, compared to wholly in April last year. This affects the comparisons, this report does not attempt to compensate for these variations.

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**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: All Vehicles	4
Results: Heavy Vehicles	5
The Graph of National MADT change ( 5 years)	6
Appendix	

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## Technical Notes

**What is MADT?** Monthly Average Daily Traffic (MADT) is the average of daily traffic volume in a given month. Each monitored location (count site), MADT is reported for 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 of daily traffic volume over a given calendar year.

**How is MADT Change Reported Each month?**

We report MADT change for all vehicles and for heavy vehicles, at a national and regional level.

We first calculate the percentage change in MADT (all and heavy 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	18
Waikato and Bay of Plenty	25
Taranaki, Manawatu-Wanganui, Hawkes Bay and Gisborne	19
Wellington, Nelson, Marlborough and Tasman	17
Canterbury and West Coast	15
Otago and Southland	19
Total	113

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

**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 April 2012, April 2013 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

Site	City Represented	MADT (All Vehicles) April - 12	MADT (All Vehicles) April - 13	% Change
Auckland Harbour Bridge (SH1)	Auckland	154307	156532	1%
Greenwood (SH1)	Hamilton	21856	22834	4%
Ngauranga Interchange (SH 1 and SH2 SB only)	Wellington	42094	41055	-2%
Waimakariri Bridge	Christchurch	40378	42131	4%
Burnside	Dunedin	25357	26145	3%

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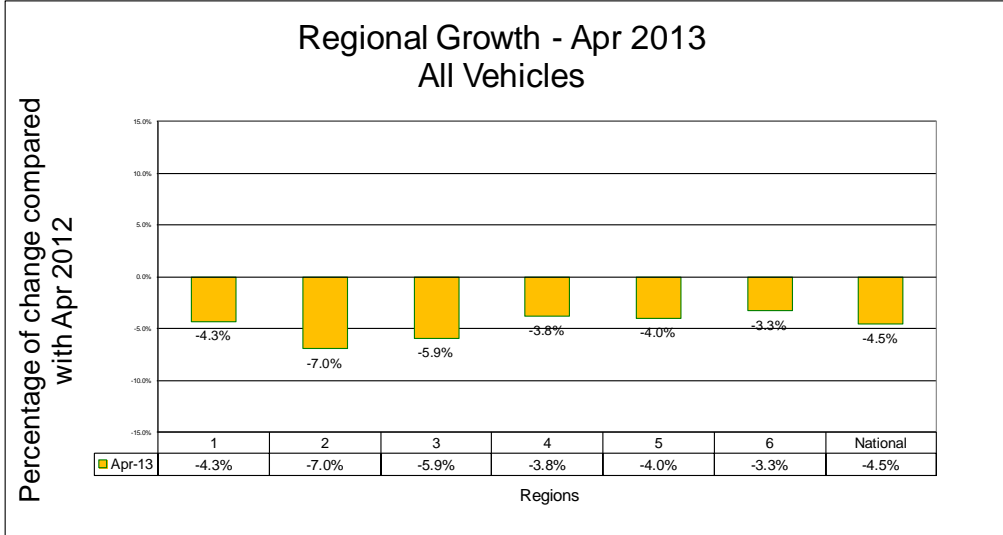
# Results: All Vehicles

## 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 graphs (as above) dated back to January 2008 are available from the NZTA website:  
<http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

## All sites

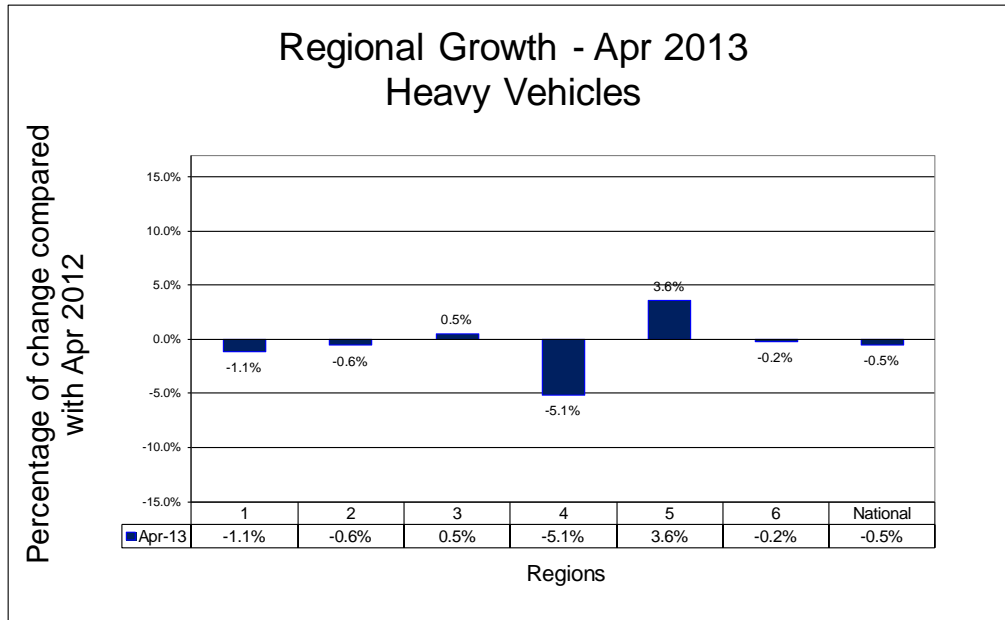
A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

# 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 graphs (as above) dated back to January 2008 are available from the NZTA website:

<http://www.nzta.govt.nz/resources/state-highway-traffic-growth/>

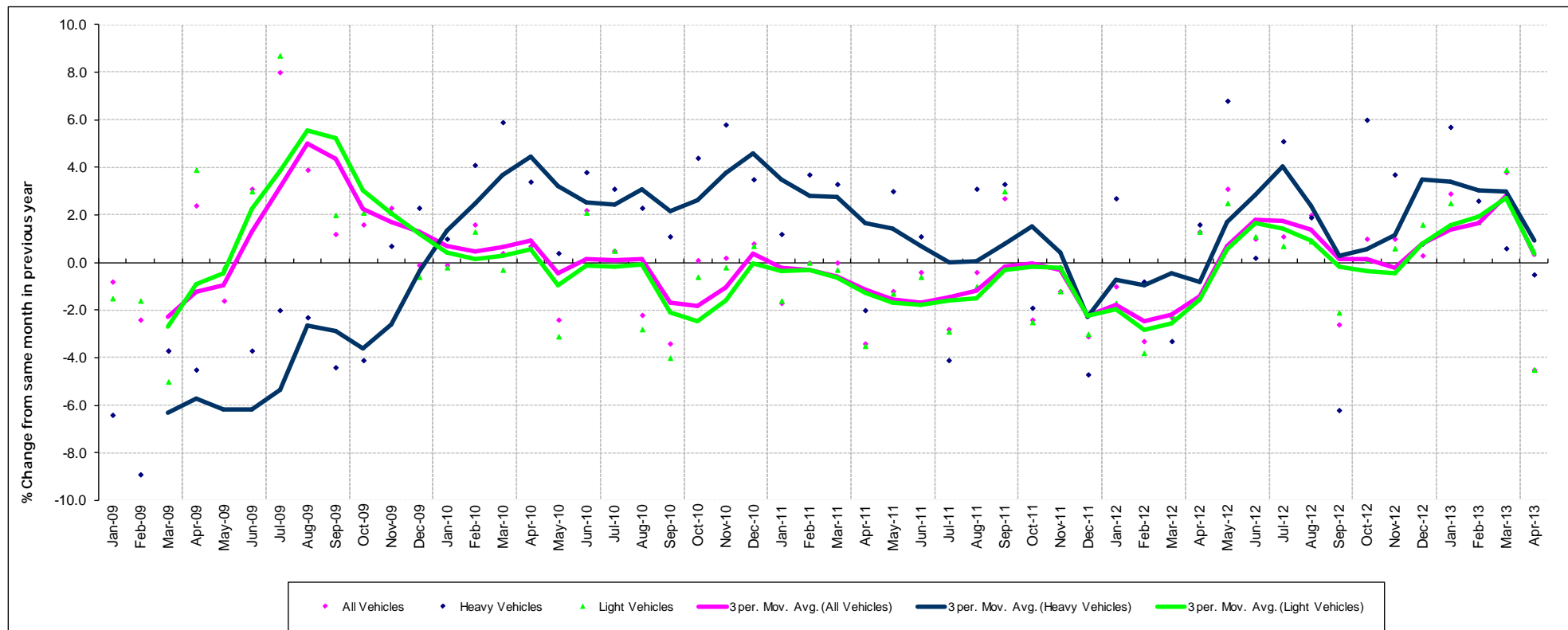
## All sites

A table of MADT (heavy 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 5 years national MADT % change versus the same month of the previous year, summarising the figures published in the previous monthly reports.



Year	2009			2010			2011			2012			2013		
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
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
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
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
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
May	-1.6	-0.2	-10.3	-2.4	-3.1	0.4	-1.2	-1.3	3	3.1	2.5	6.8			
June	3.1	3.0	-3.7	2.2	2.1	3.8	-0.4	-0.6	1.1	1	1.1	0.2			
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			
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			
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			
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			
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			
December	-0.1	-0.6	2.3	0.8	0.7	3.5	-3.1	-3	-4.7	0.3	1.6	0.8			

## Appendices

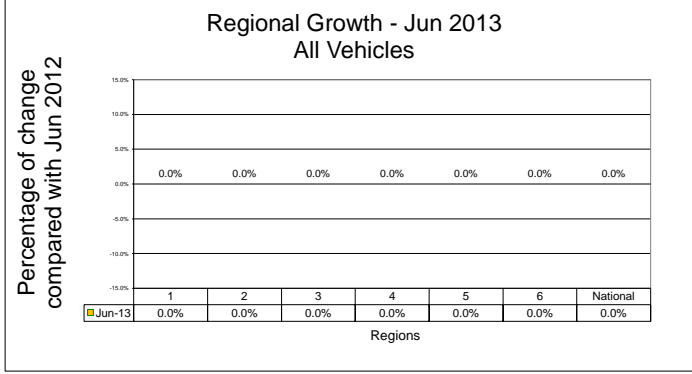
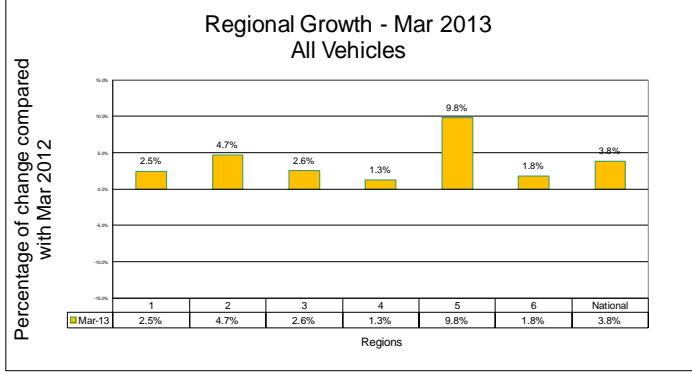
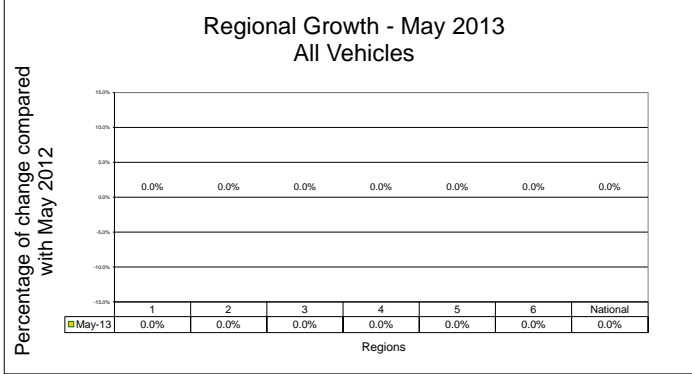
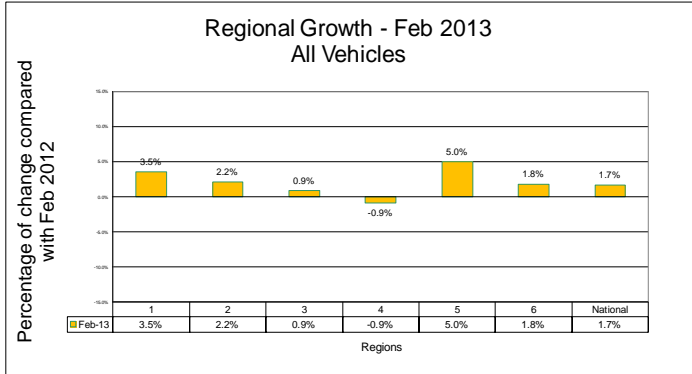
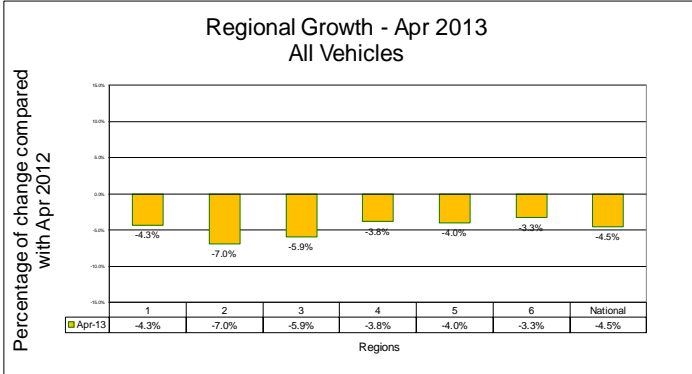
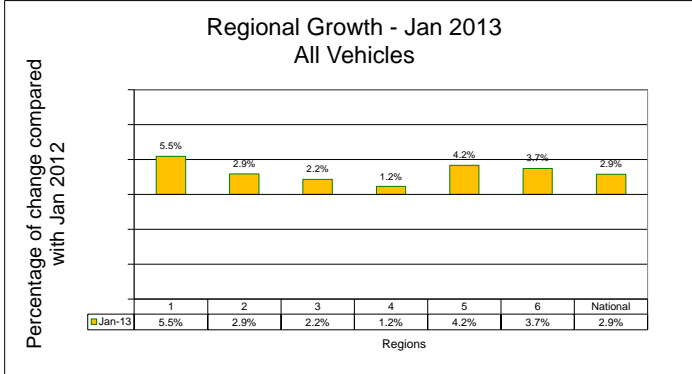
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### Current Year Growth Graphs

- All Vehicles
- Heavy Vehicles

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

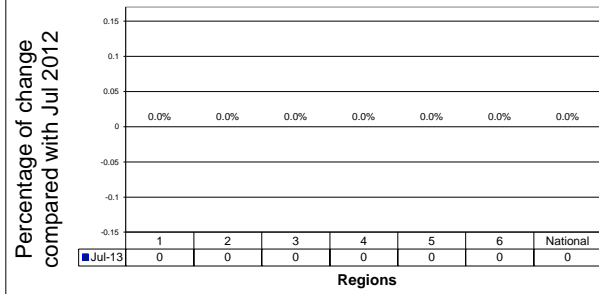
- All Vehicles
- Heavy Vehicles



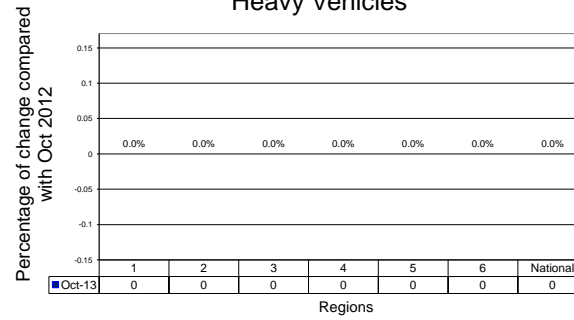




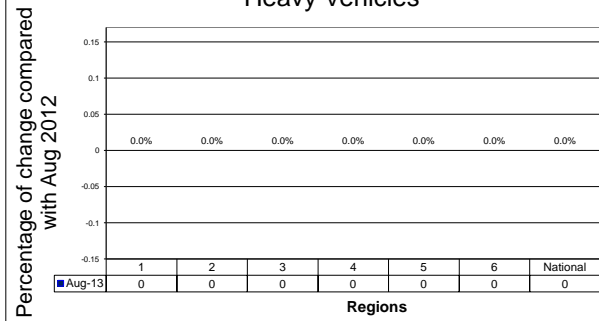
Regional Growth - Jul 2013  
Heavy Vehicles



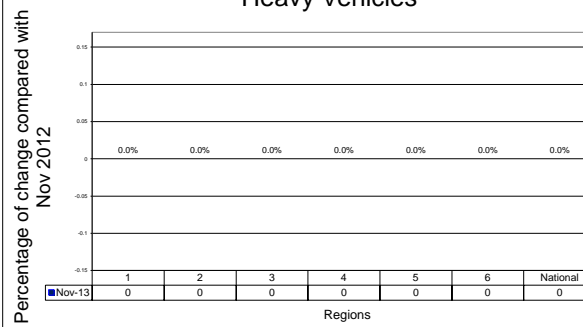
Regional Growth - Oct 2013  
Heavy Vehicles



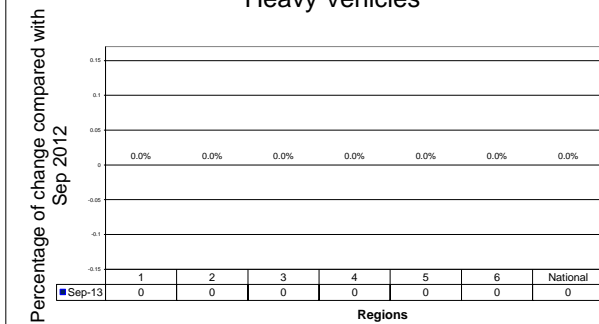
Regional Growth - Aug 2013  
Heavy Vehicles



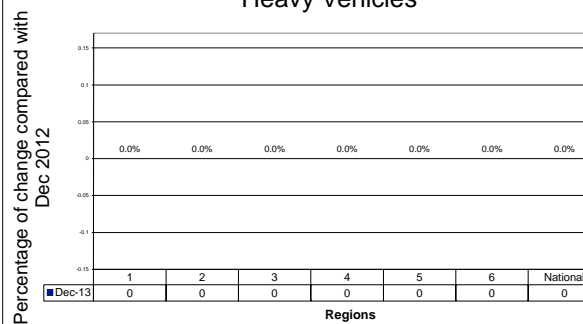
Regional Growth - Nov 2013  
Heavy Vehicles



Regional Growth - Sep 2013  
Heavy Vehicles



Regional Growth - Dec 2013  
Heavy Vehicles



MADT (All Vehicles)

NZTA Region	Site Ref	Description	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	6061	5305	5176	5129	5012	5030	5944	6057	6595	7081	6383	6224	5696
1	ID:01200026	KAIKOHE - Telemetry Site 102	1228	1194	1142	1117	1104	1108	1205	1280	1379	1355	1292	1329	1178
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	2441	2524	2465	2366	2410	2390	2567	2626	2473	2451	2743	2601	2392
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	30019	28630	28669	28191	28235	27449	29536	30687	31579	30166	30810	30889	27816
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	30366	28248	28495	28161	27730	27100	29418	30431	30072	31351	30448	30003	28661
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	9556	7660	7839		7348	7501	8649	8455	9996	10796	9356	9019	8555
1	ID:01N10440	PANAMA Rd - Telemetry Site 79 - SB	58251	60187	57225	58316	60545	57282	61202		61155	60512	62132	60172	
1	ID:01N20440	PANAMA RD - Telemetry Site 79 - NB	54491	55738	52837	54490	56354	54197	57939		55015	58421	58043	54517	
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	19895			16761	16156	16268	18022	18460				19096	17320
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	20374			16943	16035	16372	18113	18341				18554	17669
1	ID:01N00388	ALPURT - Telemetry Site 95 (new late Dec 08)	15350	12942	13222	13061	12610	13242	14543	14753	16869	18703	16289	15965	14652
1	ID:01N00424	Auckland Harbour Brg - Centre Span - Telemetry Site 55	73628	74811	71091	70899	73647	73041	74267	77134	74141	72902	75232	72910	72412
1	ID:01N10424	Auckland Harbour Brg - Left Clip-on - Telemetry Site 55	40486	42596	41737	41407	42280	41998	43002	45346	42274	40288	43422	41820	41259
1	ID:01N20424	Auckland Harbour Brg - Right Clip-on - Telemetry Site 55	40193	43850	42532	42864	43039	42230	42594	45244	44629	41422	44100	44449	42861
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd - local site	45564	47220	45351	45547	46689	46195	47126	49953	46760	44469	48893	47626	46850
1	ID:01810007	SH18 Upper Harbour Bridge WB - local site		18363	17543	17511	18355	17889	18223	19460	17532	16776	19244	18916	18723
1	ID:01820007	SH18 Upper Harbour Bridge EB - local site		17408	16635	16449	17248	16887	17227	18235	16902	15911	18049	17703	17591
1	ID:02000006	SH20 Puhinui Rd to Massey Rd - local site	56207	60211	58011	57206	59132	58565	59716	64574	59697	54980	62591	61675	60244
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	13911	11416		11892	11218	11623	13279	13027	16393	17529	13947	14189	12953
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	3599	2244	2531	2518	2209	2431	3142	3013	4239	5461	3688	3819	3120
2	ID:02700011	KAIHERE - Telemetry Site 33	4603	3847	3858	4033	3671	3826	4293	4337	4498	4434	4371	4429	4290
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	21901	19979			19576	19169	20681	21285	21749	19680	21258	21755	20346
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd	9554	8553	8551	8663	8480	8428	9215	9382	9552	9715	9555		9210
2	ID:00300085	TE KUIITI - Telemetry Site 16 - Nth of 8 Mile Junction	4303	3632	3918	4035	3864	3798	4018	3904	4280	4281	4175	4305	3976
2	ID:03200074	West of Taupo - Telemetry Site 43	711	514	565	592	553	546	623	619	672	740	633	630	550
2	ID:01N00580	KARAPIRO - Telemetry Site 20	15495	13582	14304	13724	13187		14340	14648	12820	15717	15604	15557	14110
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	8229	6783	7051	6529	6626	6670	7476	7488	8801	9556	8160	8376	7209
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	5408	4162	4403	4985	4407	4550	5120	5045	5773	6501	5731	5287	4988
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)		7896	7940	8074	7861	7876	8727	8813	9090	9086	8916	8928	8259
2	ID:01N90552	GREENWOOD - Telemetry Site 97 (New Oct 09)	21856	23412		22145	22785	22284	22882	24283	23055	22077	24083	23785	22834
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	16580	16095	15668	14827	15545	14940	16122	17184	17521	17661	17056	15544	
2	ID:03010149	TE NGA - Telemetry Site 64 (Inc)	16421	16982	16612	16153	16650	16203	17317	18086	17686	17610	18854	17800	16532
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	16390	16945	16596	16127	16612	16119	17294	18077	17456	17792	18892	17689	16597
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	4860	4593	4553	4389	4373	4256	4799	4936	5275	5520	4878	4887	4480
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	2927	2622	2639	2623	2576	2515	2865	2826	3143	3478	3063	3009	2679
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	4130	3752	3665	3536	3483	3446	3852	3959	4204	4751	4324	4186	3673
2	ID:00500034	TARUKENGA - Telemetry Site 15	5811	4558	4938	4933	4577	4637	5131	5151	5560	5840	5723	5582	5263
2	ID:02900034	KAIMAI - Telemetry Site 12	9423	8489	7879	8556	7871	8212	9040	9276	9878	10024	9641	9770	9072
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	7611	6758	6635	6809	6593	6530	7281	7397	8030	8129	7903	7630	7082
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)				16956	17460	16553	17726	18790	18731	18690		18372	16901
2	ID:00200242	AWAKERI - Telemetry Site 92	8517	8733	8353	8658	8776	8102	8686	9173	9153	9056	8966	9076	8177
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	14563	15065	14713	14234	14779	14664	15120	16235	15979	15411	16213	15881	15333
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	15643	16302	15734	15204	15705	15614	16186	17362	16624	16521	17190	16751	16320
3	ID:00200428	ORMOND : Telemetry Site 26	2149	2185	2150	2015	2100	2087	2306	2332	2573	2459	2571	2493	2224
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	4093	3998	3980	3540	3801	4081	4482	4538	5582	5553	4765	4576	4226
3	ID:00200627	TANGIOIO - Telemetry Site 24	1972	1889	1891	1748	1719	1740	2032	2012	2278	2340	2218	2171	1962
3	ID:00500230	TE POHUE - Telemetry Site 23	3046	2352	2459	2436	2253	2345	2705	2666	3026	3308	3250	2959	2739
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	3862	3198	3295	3246	3086	3228	3670	3621	3964	4195	4175		3572
3	ID:05000010	Nth of Tutakuri River (Telemetry Site 58)	21085	22198	21360	20752	21291	20334	21721	22966	22079	21642	23129	22808	21380
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	2349	1767	1979	1852	1690	1777	2023	2083	2288	2438	2209	2361	2187
3	ID:00300267	TARIKI - Telemetry Site 6	8923	9013	8507	8502	8319	8088	8814	9359	9037	8810	9025	9242	8485
3	ID:00300370	WAITOTARA - Telemetry Site 5	3839	3486	3220	3410	3325	3295	3596	3689	3784	3690	3691	3897	3357
3	ID:04500101	OHAWAE BEACH Rd - Telemetry Site 71	3616	3582	3344	3318	3509	3587	3952	4116	4037	3976	3945	3825	3405
3	ID:01N00930	SANSON - Telemetry Site 38	12661	11353	11257	11636	11117		11994	12163	12856	12590	12675	12712	11589
3	ID:01N00988	OHAU - Telemetry Site 56	14857	13192	13252	13612	13090	13319	14291	14546	15526	15570	15462	15396	13959
3	ID:00200755	NORSEWOOD - Telemetry Site 25	3990	3300	3326	3343	3103	3295	3850		4358	4513	4298	4308	3732
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30			3268			4176	5737	6116	6615	6620	6798	6828	6038
3	ID:00400133	HOROPITO - Telemetry Site 37	1870	1362	1649	2142	2000	2008	1918	1586	1733	1987	1797	1845	1571
3	ID:00400226	UPOKONGARO - Telemetry Site 28	1899	1685	1706	1679	1641	1642	1778	1887	2036	2065	2003	1986	1856

Note: There are some new sites added and some sites removed since 2013.



MADT (All Vehicles)

NZTA Region	Site Ref	Description	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13
3	ID:01N00827	HIHITAIHAI - Telemetry Site 29	4862	3627	3843	4145	3793	3926	4571	4333	4785	5495	4802	4584	4347
3	ID:05400049	FIELDING - Telemetry Site 106	6136	6710	6604	6576	6525	6278	6393	6968	6367	5798	6623	6673	6225
3	ID:05700014	SHANNON - Telemetry Site 107	7177	7050	6987	6929	6844	7009	7322	7598	7676	7276	7909	7752	7209
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	21464	22667	22123	21710	21589	20924	21618	22201	20869	19834	21633	21384	20562
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	10594	10658	10279	9971	10320	9951	10614	11144	11038	10813	11240	11016	10164
4	ID:00200937	RIMUTAKA - Telemetry Site 01- Pukuratahi River Brg		5324	5068	5178	4950	4940	5531	5748	6204	6448	6208	6356	5463
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	22915	22155	21780	22204	21711		22791	23595	24314	23351	24258	23941	22041
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	21339	22816	21897	21875	22495	21429	22237	23337	21521	20039	22216	22244	
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	13509	13772	13261	13197	13485	12978	13602	14229	13870	13048	14304	14247	13151
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	20630	22048	21223	20709	21425	20063	21375	22248	20305	18969	21836	21369	20493
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	20425	21895	20754	20769	21293	20194	21278	22208	20163	18788	21398	20841	
4	ID:00210965	KELSON - Telemetry Site 99 - SB	16994	17771	16852	16855	17082	16896	17284		16665	15977	17710	17268	16356
4	ID:00220965	KELSON - Telemetry Site 99 - NB	16396	17240	16397	16252	16687	16384	16702		16133	15134	16936	16664	15776
4	ID:00600122	STOKE - Telemetry Site 81	19919	20729	19992	19881	20359	19474	20973	22573	22366	22556	21774	20553	
4	ID:00600232	MURCHISON - Telemetry Site 35	2095	1385	1219	1336	1279	1340	1689	1781	2021	2377	2239	2013	1739
4	ID:00600100	HIRA - Telemetry Site 36	3243	2861	2868		2622	2741	3162	3313	3504	3941	3814	3675	3024
4	ID:06000040	SH60 Riwaka Telemetry Site 86	3659	2790	2493	2370	2386	2481	3149	3666	5300	5661	4984	4274	3280
4	ID:01S00037	Blenheim Telemetry Site 87	3957	3210	3188	3128	3006	3101	3461	3613	3997	4319	4006	3932	3948
4	ID:06300096	ST ARNAUD - Telemetry Site 93	359	239		243	203		299	352	347	430	449	422	323
4	ID:06000006	RICHMOND - Telemetry Site 112	9995	9251	8623	8464	8682	8832	9491	10214	11055	11582	10930	10493	9228
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	10796	9551	9152	9707	9277	9551	10512	11037	11481	11333	11358	11470	10592
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	20008	20133	20602	19897	19471	19095	20780	20477	21585	19619		19714	18957
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1703	1198	1292	1491	1527	1433	1451	1577	1733	1919	1920	1839	1600
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	2589	1905	1995	1939	1723	1924	2489	2486	2814	3364	2915	2772	2533
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	5991	5480	5241	5302	5008	5298	5966	6088	6399	6262	6308	6340	6010
5	ID:00700108	LEWIS PASS - Telemetry Site 32	1293	859		897	818	886	1207	1115	1320	1630	1362	1282	1182
5	ID:01S00285	WAIPIARA - Telemetry Site 52 - (WIM Site)		6443	6332	6503	6125	6535	7857	7578	8619	8863	8252	7992	
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	20591	21265	19692	20354	20822	21057	22265	22959	22313	22168	23149	22692	21611
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	19787	20410	18906	19395	19993	20122	21336	21901	21872	20904	22088	22179	20520
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)	2603	1633	1638	1868	1873	1920	2297	2822	3161	2764	2689	2410	
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	9556	9601	8998	9076	9331	9496	9841	10352	10144	10444	10764	10544	9775
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2876	2614	2296	2489	2489	2461	2839	3087	3141	3104	3290	3167	2762
5	ID:00700239	AHAURA - Telemetry Site 40	1307	1137	1084	1118	1147	1116	1256	1304	1288	1332	1375	1340	1178
5	ID:00600398	PUNAKAIKI - Telemetry Site 39	1004	738	640	694	716	744	893	1061	1114	1212	1297	1142	896
5	ID:00600753	HAAST - Telemetry Site 111	915	520	420	468	509	703	927	1005	1019	1157	1297	1172	841
6	ID:00600895	WANAKA - Telemetry Site 109	3822	2563	2527	2646	2733	2755	3008	3068	3603	4319	3533	3536	3185
6	ID:00800263	TARRAS - Telemetry Site 110	1779	941		1064	1087	1126	1295	1322	1820	2230	1716	1890	1563
6	ID:00800336	ALEXANDRA - Telemetry Site 44	2338	1845	1768	1822	1937	1982	2092	2116	2417	2719	2433	2383	2196
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	14996	15824	15089	15003	15293	14866	15360	16413	15596	14220	16157	15564	15315
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	10361	10883	10410	10431	10536	10258	10640	11334	10755	9912	11229	10974	10830
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2391	2556	2432	2429	2442	2366	2503	2667	2508	2342	2560	2475	2439
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3094	3304	3144	3086	3178	3015	3051	3279	3018	2857	3220	3303	2969
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3204	3403	3281	3187	3273	3177	3150	3387	3132	2934	3365	3210	3059
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2120	2251	2099	2090	2158	2090	2090	2262	2067	1980	2215	2114	1999
6	ID:01S00765	MILTON - Telemetry Site 27	6520	6005	5478	5568	5590	5633	6067	6377	6488	6370	6668	6653	6350
6	ID:06A00001	FRANKTON - Telemetry Site 90	17754	15940	16281	18324	18910	16619	17194	18349	19471	19694	20129	19449	18083
6	ID:08S00161	GALLOWAY - Telemetry Site 89	2022	1841	1671	1702	1808	1765	1875	1985	2186	2313	2126	2004	1906
6	ID:08800004	RAVENSBORNE - Telemetry Site 88	8033	8574	8174	8074	8339	8190	8488	9101	8816	7989	9296	8961	8473
6	ID:08300063	KURUW - Telemetry Site 113	1090	668	649	643	690	796	968	985	1433	1483	1219	1144	932
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	10496	11577	11032	10914	11543	10695	11003	11848	10841	9829	11598	11582	11244
6	ID:00601147	WINTON - Telemetry Site 46	4488	4548	4307	4290	4539	4195	4605	5090	4882	4524	4999	4903	4629
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	2022	1402	1273	1318	1323	1382	1687	1938	2520	2527	2458	2244	2058
6	ID:01S00854	GORE - Telemetry Site 45	4105	3990	3670	3635	3706	3555	3928	4247	4216	4048	4327	4201	3969
6	ID:09400141	TE ANAU - Telemetry Site 94	1358	760	625	739	746	709	885	1184	1486	1550	1679	1558	1216

Note: There are some new sites added and some sites removed since 2013.

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	677	682	585	573	616	615	749	773	710	793	773	753	669
1	ID:01200026	KAIKOHE - Telemetry Site 102	53	51	61	47	45	52	53	55	55	56	66	70	55
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	263	252	232	241	269	270	311	292	245	285	331	315	283
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2511	2599	2388	2300	2414	2241	2520	2763	2562	2578	2722	2717	2484
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2421	2478	2279	2186	2290	2090	2410	2641	2399	2523	2606	2607	2455
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	948	936	839		822	811	981	1000	972	1059	1043	961	911
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	2198			1899	1949	1901	2101	2314				2151	2021
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	2312			1902	1939	1906	2118	2322				2061	1923
1	ID:01N00388	ALPURT - Telemetry Site 95	1278	1227	1149	1096	1019	1064	1238	1308	1306	1411	1362	1302	1179
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd				1910	1929	1970	2217	2412	1947	1920	2372	2440	2306
1	ID:01810007	SH18 Upper Harbour Bridge WB		710	668	689	682	678	749	830	694	882	1263	1225	1726
1	ID:01820007	SH18 Upper Harbour Bridge EB		619	571	574	587	581	632	687	577	551	646	634	644
1	ID:02000006	SH20 Puhinui Rd to Massey Rd	3145	3584	3268	3149	3373	3269	3524	4124	3450	4004	3961	3818	3629
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	1770	1692		1498	1559	1526	1708	1847	1307	1770	1912	1802	1682
2	ID:25A00024	HIKUAE - Telemetry Site 76 - 1.3km after Kitahi Rd	277	209	215	240	236	266	307	294	348	396	303	298	242
2	ID:02700011	KAIHERE - Telemetry Site 33	870	900	789	805	810	809	924	998	858	855	976	963	911
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordonton Rd	2107	1994			2003	2060	2324	2392	2350	2194	2355	2305	2152
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd	1495	1508	1310	1291	1404	1395	1573	1680	1429	1339	1589		1506
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	713	732	627	592	605	613	701	766	672	684	818	756	723
2	ID:03200074	West of Taupo - Telemetry Site 43	89	84	75	71	70	67	80	80	74	76	82	91	67
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1649	1515	1314	1267	1482		1581	1761	1775	1795	1892	1832	1466
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	826	797	752	665	751	744	812	880	829	878	887	882	786
2	ID:01N00729	HALLETTS BAY - Telemetry Site 42	756	786	712	668	678	686	798	881	773	833	897	827	764
2	ID:01N00628	TOKOROA - Telemetry Site 51 - (WIM Site)		1525	1318	1319	1457	1483	1670	1742	1488	1414	1612	1625	1426
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1578	1768		1564	1687	1649	1749	1896	1671	1656	1832	1775	1709
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1244	1325	1149	1014	1146	1123	1210	1276	1120	1203		1208	1167
2	ID:03010149	TE NGA - Telemetry Site 64	957	1029	952	909	965	968	1064	1165	1033	1069	1223	1092	941
2	ID:03020149	East end of Puarenga Brg (Dec) - Telemetry Site 64	1028	1108	1027	980	1036	1025	1128	1233	1064	1133	1312	1167	1034
2	ID:00200204	OHINEPANEA - Telemetry Site 13 - West of Rogers Rd	783	805	697	658	731	713	826	854	737	761	770	716	681
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	349	348	310	320	336	324	362	366	344	379	372	358	347
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	599	629	563	504	530	510	592	649	565	630	707	708	584
2	ID:00500034	TARUKENGA - Telemetry Site 15	628	569	512	495	545	529	630	683	619	641	704	676	639
2	ID:02900034	KAIMAI - Telemetry Site 12	1365	1305	1152	1157	1207	1181	1391	1487	1355	1337	1533	1505	1387
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	905	919	829	785	816	825	936	960	686	853	965	947	865
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)				1643	1805	1689	1936	2129	1695	1764		1936	1845
2	ID:00200242	AWAKERI - Telemetry Site 92	797	797	660	690	714	647	729	800	689	746	794	830	675
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1156	1220	1073	991	1066	1062	1170	1278	1114	1116	1287	1269	1238
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1153	1220	1081	990	1075	1072	1179	1270	1095	1113	1264	1229	1234
3	ID:00200428	ORMOND - Telemetry Site 26	205	237	224	202	215	229	258	256	252	265	320	332	307
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	384	483	443	379	412	505	566	595	465	461	588	552	500
3	ID:00200627	TANGOIO - Telemetry Site 24	350	401	375	335	377	326	393	412	371	410	455	444	396
3	ID:00500230	TE POHUE - Telemetry Site 23	564	607	525	505	508	492	584	669	552	602	594	518	491
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	628	698	616	613	612	596	673	684	572	598	683		637
3	ID:05000010	Nth of Tutakuri River (Telemetry Site 58)	1432	1518	1381	1241	1266	1252	1396	1510	1318	1423	1613	1635	1543
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	428	424	384	353	357	381	428	474	408	447	454	454	472
3	ID:00300267	TARIKI - Telemetry Site 6	1048	1070	884	848	931	975	1056	1136	1012	1053	1075	1092	987
3	ID:00300370	WAITOTARA - Telemetry Site 5	672	623	480	480	599	572	661	725	648	606	637	640	612
3	ID:04500101	OHAWE BEACH Rd - Telemetry Site 71	434	342	237	243	406	563	633	641	574	543	505	455	344
3	ID:01N00930	SANSON - Telemetry Site 38	1552	1536	1355	1334	1419		1568	1733	1591	1566	1672	1675	1518
3	ID:01N00988	OHAU - Telemetry Site 56	1388	1423	1305	1305	1309	1301	1432	1561	1396	1433	1558	1528	1392
3	ID:00200755	NORSEWOOD - Telemetry Site 25	653	652	513	499	515	527	630		604	657	690	688	580
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30			426			487	683	793	723	758	843	837	750
3	ID:00400133	HOROPITO - Telemetry Site 37	296	291	277	270	266	260	264	300	267	304	320	312	266

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## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	Apr- 12	May- 12	Jun- 12	Jul- 12	Aug- 12	Sep- 12	Oct- 12	Nov- 12	Dec- 12	Jan- 13	Feb- 13	Mar- 13	Apr- 13
3	ID:00400226	UPOKONGARO - Telemetry Site 28	163	151	143	128	125	127	148	164	158	170	175	171	159
3	ID:01N00827	HIHITAHU - Telemetry Site 29	914	938	822	825	831	815	962	1062	894	992	1054	996	925
3	ID:05400049	FIELDING - Telemetry Site 106	247	259	239	252	243	236	244	277	236	225	271	284	249
3	ID:05700014	SHANNON - Telemetry Site 107	625	644	623	588	594	602	665	732	661	665	744	707	638
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	710	778	751	705	623	620	646	699	608	611	679	651	606
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	600	576	476	487	537	557	669	680	603	602	678	678	595
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg		328	266	283	286	280	332	361	345	354	390	381	337
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	1738	1863	1675	1702	1746		1843	2116	1912	1758	1943	1872	1792
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	671	733	682	689	617	559	606	661	565	556	631	622	
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	551	560	507	490	509	508	547	592	564	534	607	603	574
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	810	872	876	794	669	641	701	735	624	630	701	679	672
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	692	757	738	723	739	699	767	813	699	699	760	733	
4	ID:00210965	KELSON - Telemetry Site 99 - SB	699	723	619	631	653	650	699		609	598	726	706	662
4	ID:00220965	KELSON - Telemetry Site 99 - NB	669	679	583	580	613	608	670		621	594	707	693	650
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1273	1347	1181	1183	1185	1130	1272	1433	1197	1375		1379	1330
4	ID:00600232	MURCHISON - Telemetry Site 35	310	260	189	211	231	235	275	314	283	361	357	318	281
4	ID:00600100	HIRA - Telemetry Site 36	479	478	428		415	445	511	523	479	505	548	526	449
4	ID:06000040	SH60 Riwaka Telemetry Site 86	261	219	152	145	154	170	219	288	248	273	281	271	224
4	ID:01S00037	Blenheim Telemetry Site 87	714	616	489	454	500	491	571	602	565	611	624	632	754
4	ID:06300096	ST ARNAUD - Telemetry Site 93	39	33		20	20		38	53	37	43	48	47	37
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1484	1453	1202	1196	1292	1357	1565	1700	1608	1705	1764	1719	1591
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1539	1537	1240	1211	1205	1363	1629	1478	1400	1309		1090	
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	191	184	140	155	170	167	201	226	203	240	260	239	215
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	486	486	439	411	403	435	511	542	467	535	545	513	507
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	952	930	716	684	732	870	1014	1020	973	1037	1076	1078	979
5	ID:00700108	LEWIS PASS - Telemetry Site 32	193	175		140	140	147	191	198	193	255	226	207	198
5	ID:01S00285	WAIPARA - Telemetry Site 52 - (WIM Site)		1134	933	919	936	1035	1207	1258	1228	1281	1326	1404	
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1316	1384	1188	1226	1355	1440	1598	1680	1472	1555	1672	1601	1508
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1208	1241	1061	1082	1154	1229	1359	1424	1327	1287	1410	1401	1273
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1532	1587	1354	1544	1476	1408	1581	1630	1458	1588	1600	1640	1654
5	ID:00800059	FAIRLIE - Telemetry Site 98	318	202	162	161	172	205		314	349	381	361	330	302
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	325	284	188	207	244	309	388	429	380	377	390	343	308
5	ID:00700239	AHAURA - Telemetry Site 40	178	148	135	143	159	183	223	236	194	209	226	197	166
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	103	72	57	57	80	101	113	131	115	115	123	109	86
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	224	202	159	164	204	182	200	223	226	266	247	228	217
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	837	850	717	710	737	753	816	927	812	803	960	903	872
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	641	658	545	536	565	580	633	726	627	613	737	724	713
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	128	130	111	109	111	112	126	140	120	117	134	128	126
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	195	197	183	187	190	180	195	212	187	184	209	211	202
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	148	140	121	118	118	120	130	142	128	130	158	144	138
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	70	74	67	69	73	73	72	78	68	69	80	74	73
6	ID:01S00765	MILTON - Telemetry Site 27	836	807	614	610	662	730	844	964	839	820	881	864	854
6	ID:06A00001	FRANKTON - Telemetry Site 90	892	746	663	797	844	765	806	946	949	969	1044	978	888
6	ID:08500161	GALLOWAY - Telemetry Site 89	135	128	99	96	121	104	113	134	126	138	143	138	135
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	490	500	406	388	409	407	457	613	565	467	624	559	483
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	336	374	365	380	421	386	407	427	347	327	383	400	395
6	ID:00601147	WINTON - Telemetry Site 46	471	428	347	336	411	390	466	540	468	463	510	494	459
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	207	161	127	132	147	137	177	231	242	250	263	238	221
6	ID:01S00854	GORE - Telemetry Site 45	540	507	372	337	426	438	513	590	527	517	560	522	512
6	ID:09400141	TE ANAU - Telemetry Site 94	156	79	61	77	78	72	96	147	154	155	201	180	151

Note: There are some new sites added and some sites removed since 2013.