



## Traffic Volumes Monthly Report May 2014

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#### Revision Schedule

Rev. No	Date	Description	Prepared by	Reviewed by	Approved by
1	10/06/2014	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 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

## May 2014 State Highway Traffic Highlight

**4%** Nationally, the MADT of all vehicles was up 4%, when compared to the same month last year.

Regionally, all regions recorded an increase between 2.8% to 5.3%, except region4, recorded a minor increase (0.7%).

**4.3%** Nationally, the MADT for heavy vehicles was up 4.3%, when compared to the same month last year.

Regionally, all regions recorded an increase between 2.4% to 5.7%, except region6, recorded a minor decrease (-0.5%).

## In this report

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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 May 2013, May 2014 and percentage change compared are reported in the table below.

Note the MADT values include all vehicles.

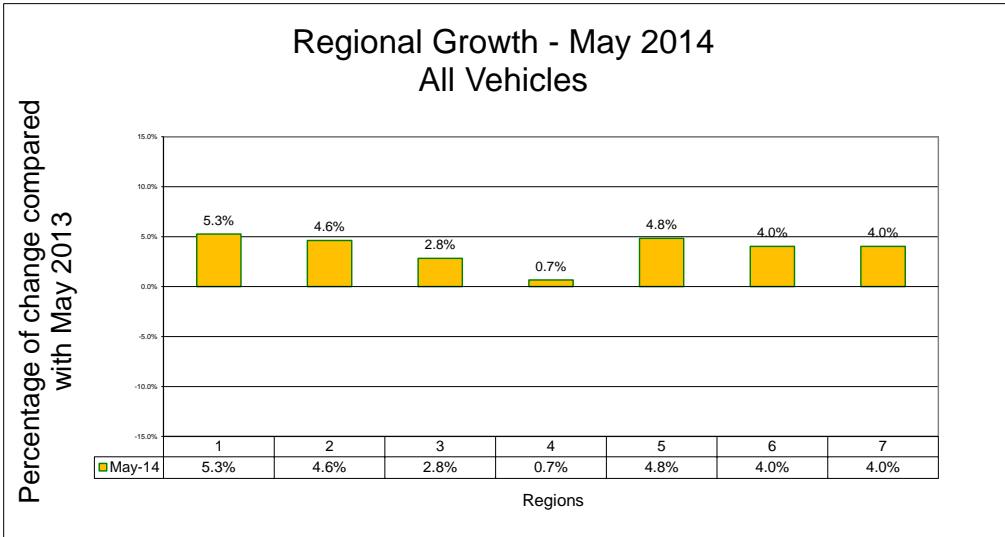
Site	City Represented	MADT (All Vehicles) May-13	MADT (All Vehicles) May-14	% Change
Auckland Harbour Bridge (SH1)	Auckland	161188	162687	1%
Greenwood (SH1)	Hamilton	24556	25691	5%
Ngauranga Interchange (SH 1 and SH2 combined)	Wellington	90252	89918	0%
Waimakariri Bridge	Christchurch	44380	46479	5%
Ravensbourne	Dunedin	8494	8564	1%

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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/>

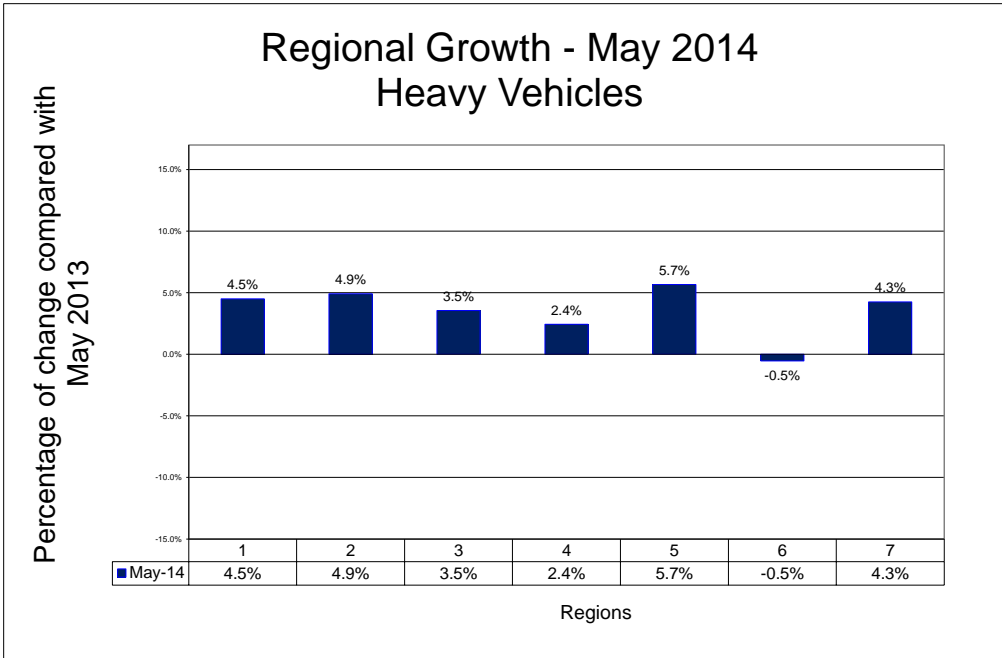
**All sites** A table of MADT (all vehicles) values for the past thirteen months is attached to this report.

# 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**

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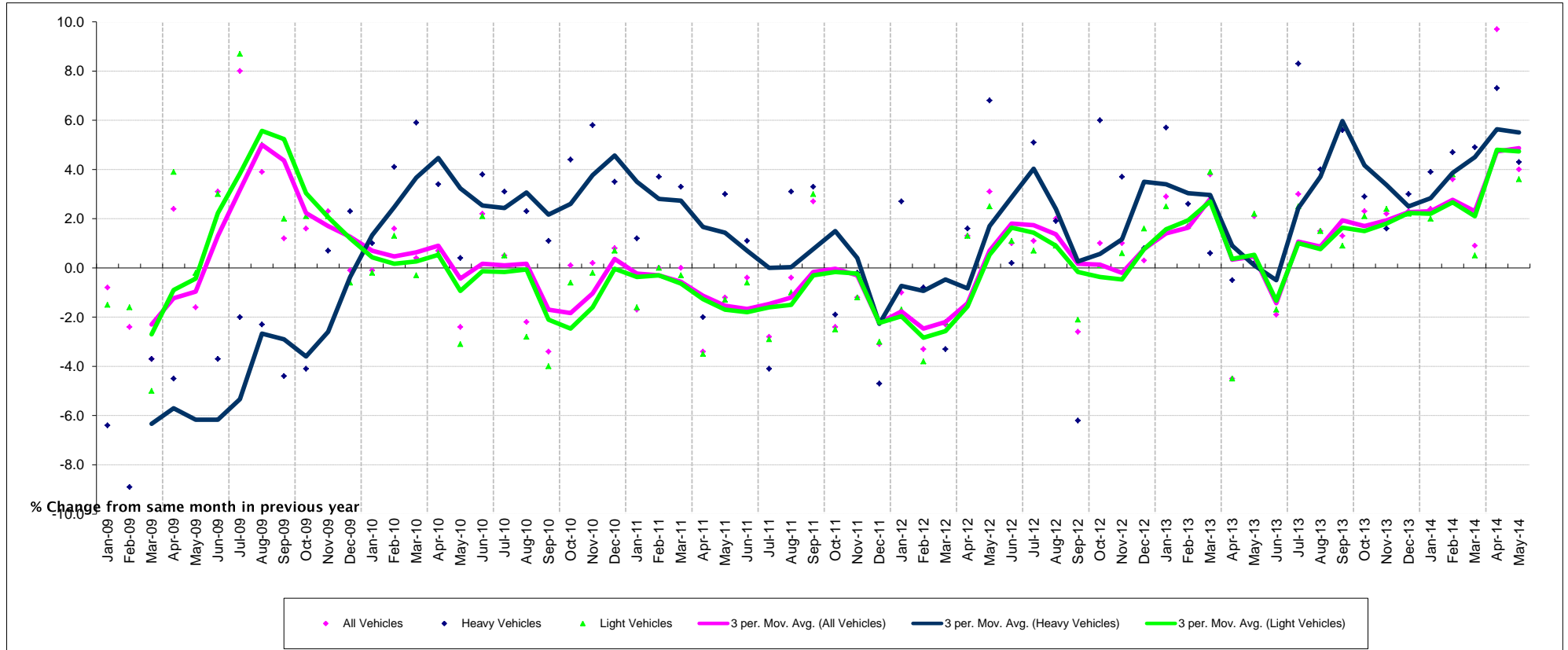
**All sites**

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 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			
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			
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			
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			
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

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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













MADT (All Vehicles)

NZTA Region	Site Ref	Description	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	22266	20752	21433	21556	20712	21529	22265	21797	20662	23120	23089	21093	23097
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	10608	9954	9999	10374	9939	10635	11343	11242	10582	11416	11049	10594	10858
4	ID:00200937	RIMUTAKA - Telemetry Site 01 - Pukuratahi River Brg	5233	4943	5050	4997	5010	5460	5718	6271	6286	6037	6167	5665	5374
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	22275	21713	22464	22225	21231	23355	23875	24703	23651	24676	23925	23291	22926
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	23307	21636	21996	22446	21397	22533	23097	21577	19970	22740	22891	20818	22849
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	13975	13106	13512	13680	13028	13780		13861	12881	13959	14362	13379	13975
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	22340	20683	21157	21451	20663	21864	22106	20798	19310	22240	22323	19938	22180
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	22339	20601	21010	21415	20480	21733	22063	20400	18862	21824	21982	19897	21792
4	ID:00210965	KELSON - Telemetry Site 99 - SB	17529	16412	16905	16972	16869	17414	17861	15755	16071	17578	17562		17220
4	ID:00220965	KELSON - Telemetry Site 99 - NB	17025	16036	16459	16500	16305	16572	17120	15382	15102	16870	16820		16747
4	ID:00600122	STOKE - Telemetry Site 81	21902	20482	21009	20992	20333	21929	23269	23132	22883	22935	22769	21341	21817
4	ID:00600232	MURCHISON - Telemetry Site 35	1481	1211	1318	1296			1813	2036	2491	2374	1989	2098	1484
4	ID:00600100	HIRA - Telemetry Site 36	2873	2649	2707	2638	2713	3046	3314	3586	3918	3847	3526	3282	2899
4	ID:06000040	SH60 Riwaka Telemetry Site 86	2920	2613	2524	2388	2554	3241	3765	4511	5835	5314	4219		2984
4	ID:01S00037	Blenheim Telemetry Site 87	3416	3201	3455	3294	3208	3660	3847				4075	4414	3574
4	ID:06300096	ST ARNAUD - Telemetry Site 93	257	226		220	217	301	357	348	444	485	427	416	277
4	ID:06000006	RICHMOND - Telemetry Site 112	9524	8838	8799	8902	8839	9759	10485	11424	11832	11535	10862	9958	9820
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	10087	9275	10238	9800	10134	11296	11774	12267	11911	12217	11699	11899	10742
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	19805	18708	19550	19501	19092	20993	21583	21815	20596	21142	20864	20702	20635
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	1271	1214	1504	1455	1477	1459	1667	1778	1935	1918	1867	1782	1303
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	2088	1888	2011	1740	1934	2397	2573	2910	3362	3137	2553	2772	2183
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	5715	5090	5494	5389	5567	6335	6503	6753	6599	6798	6469	6757	6104
5	ID:00700108	LEWIS PASS - Telemetry Site 32	928	805	893	850	883	1141	1138	1341	1669	1407	1190	1433	1008
5	ID:01S00285	WAIPARA - Telemetry Site 52 -(WIM Site)				6642			8068	8801	9363	8735	7823	8685	
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	22522	20277	22852	22279	21699	23759	23971	23009	23110	24265	23306	22197	23374
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	21858	20035	22247	21519	21059	23001	23346	22685	21968	23701	23056	21694	23105
5	ID:00800059	FAIRLIE - Telemetry Site 98 (New Dec 09)	1813	1697	2022	2084	2104	2205	2459	2788	3464	3049	2805	3180	2000
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	9990	9361	9686	9936	9833	10829	11479	10922	10944	12128	11414	10450	11357
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	2606	2312	2431	2492	2560	2839	3169	3301	3457	3494	3277	3128	2595
5	ID:00700239	AHAURA - Telemetry Site 40	1138	1014	1081	1071		1196		1314	1344	1364	1302	1312	1193
5	ID:00600398	PUNAKAIKI - Telemetry Site 39	729	608	644	672	693	819	1050	1136	1277	1317	1149	1032	716
5	ID:00600753	HAAST - Telemetry Site 111	535	395	457	506	594	810	1050	1069	1305	1341		1048	580
6	ID:00600895	WANAKA - Telemetry Site 109	2688	2491	2919	2921	2790	3111	3363	3688		3924	3803	4596	2879
6	ID:00800263	TARRAS - Telemetry Site 110	1077	969	1187	1210	1257	1358	1507	1858	2354	1963	1776	2199	1187
6	ID:00800336	ALEXANDRA - Telemetry Site 44	1905	1709	1881	1993	1929	2073	2188	2409	2891	2591	2353	2608	1967
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	15760	15201	15623	15784	15175	16156	16462	15847	14367			15390	
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	11019	10589	10894	10882	10484	11289	11446	11003	10176			10614	
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	2535	2427	2513	2532	2473	2577	2625	2493	2335			2384	
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	3122	2955	3125	3134	3012	3164	3304	2997	2883			2926	
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	3259	3152	3228	3261	3117	3257	3375	3099	2854			3056	
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	2115	1994	2118	2141	2058	2169	2262	2057	1969			2023	
6	ID:01S00765	MILTON - Telemetry Site 27	5937	5350	5670	5587	5416	6132	6332	6616	6436	6930	6581	6761	6128
6	ID:06A00001	FRANKTON - Telemetry Site 90	16397	16678	19084	19943	17545	18237	19164	20343	21430	21335	19939	20632	17090
6	ID:08500161	GALLOWAY - Telemetry Site 89	1869	1659	1749	1870	1798	1884	2037	2206	2329	2194	1975	1966	1842
6	ID:08800004	RAVENSBOURNE - Telemetry Site 88	8494	8146	8314	8499	8703	8703	9290	8676	8252	9337	9142	8039	8564
6	ID:08300063	KUROW - Telemetry Site 113	728	645	703	733	794	987	1030	1414	1565	1275	1143	1176	807
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	11411	10806	10867	11218	10194	11425	12398	11492	10527	12539	11812	10613	11554
6	ID:00601147	WINTON - Telemetry Site 46	4786	4360	4478	4640	4352	4756	5142	4972	4532	5093	5107	4839	4866
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	1447	1245	1367	1380	1402	1700	2020	2162	2788	2667	2399	2212	1596
6	ID:01S00854	GORE - Telemetry Site 45	3895	3528	3706	3714	3596	4068	4293	4344	4117	4628	4235	4213	4052
6	ID:09400141	TE ANAU - Telemetry Site 94	749	541	644	687	740	907	1362	1474	1775	1803	1560	1381	831

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

# MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14
1	ID:01N00212	KAWAKAWA - Telemetry Site 18	683	592	627	619	644	735	788	789	833	804	774	775	690
1	ID:01200026	KAIKOHE - Telemetry Site 102	51	42	44	44	44	55	64	57	61	76	86	69	81
1	ID:01400016	MAUNGATAPERE - Telemetry Site 104	291	251	294	294	299	315	309	249	262	286	291	272	288
1	ID:01N10459	DRURY - Telemetry Site 7 - SB (Park Estate)	2743	2343	2493	2472	2432	2662	2781	2567	2583	2913	2860	2787	2861
1	ID:01N20459	DRURY - Telemetry Site 7 - NB (Park Estate)	2573	2274	2405	2351	2309	2598	2647	2392	2516	2747	2726	2677	2734
1	ID:01N00336	WELLSFORD - Telemetry Site 17 - Nth of Mangawhai Rd	938	829	892	870	881	1020	1095	1065	1193	1160	1106	1115	1035
1	ID:01N10474	BOMBAY - Telemetry No Site 72 - SB	2152	1958	2063	2001	1973	2115	2239	2146	2111	2305	2304	2272	2249
1	ID:01N20474	BOMBAY - Telemetry Site 72 - NB	1997	1773	1854	1814	1789	1984	2099	1979	2036	2147	2103	2042	2038
1	ID:01N00388	ALPURT - Telemetry Site 95	1184	1060	1128	1060	1065	1289	1387	1388	1445	1443	1406	1396	1339
1	ID:01600016	SH16 Royal Rd to Hobsonville Rd	2165	1959	2067		2071	2272	2509	2228	2050	2496	2615	2465	2669
1	ID:01810007	SH18 Upper Harbour Bridge WB	1746		994	1119	1252					988	1047	969	830
1	ID:01820007	SH18 Upper Harbour Bridge EB				632	637		635	556	530	729	764	732	775
2	ID:00200002	MAUNGATAWHIRI - Telemetry Site 74	1748	1521	1622	1651	1611	1768	1902	1676	1848	1927	1864	1915	1872
2	ID:25A00024	HIKUAĒ - Telemetry Site 76 - 1.3km after Kitahi Rd	212	198	215	197	222	256	293	361	419	313	307	296	254
2	ID:02700011	KAIHERE - Telemetry Site 33	915	788	806	853	855	938	1016	907	886	988	964	931	938
2	ID:01N00526	TAUPIRI - Telemetry Site 19 - Nth of Gordon Rd	2233	2006	2108	2148	2119	2356	2535	2303	2240	2433	2409	2280	2256
2	ID:01N00620	LICHFIELD - Telemetry Site 21 - Sth of Baldwin Rd	1465	1256	1339	1431		1633	1694	1455	1609	1717	1753	1608	1591
2	ID:00300085	TE KUITI - Telemetry Site 16 - Nth of 8 Mile Junction	723	600	676	627	662	706	779	707	689	767	759	776	725
2	ID:03200074	West of Taupo - Telemetry Site 43	63	60	57	52	52	64	63	68	81	80	78	68	57
2	ID:01N00580	KARAPIRO - Telemetry Site 20	1482	1249	1341	1399	1409	1655	1764	1611	1785	2091	1889	1689	1693
2	ID:00200091	WAIHI - Telemetry Site 34 - East of Samson Rd West	807	693	740	729	737	836	878	832	907	897	868	891	820
2	ID:01N00729	HALLETT'S BAY - Telemetry Site 42	772	693	700	732	731	788	891	820	858	910	867	825	829
2	ID:01N00628	TOKOROĀ - Telemetry Site 51 - (WIM Site)	1450	1298	1363	1462	1510	1676	1716	1586	1591	1703	1750	1632	1594
2	ID:01N90552	GREENWOOD - Telemetry Site 97	1858	1705	1805	1801	1745	1932	1980	1764	1839	2159	2111	1983	2135
2	ID:00200141	TE PUNA - Telemetry Site 65 - West of Snodgrass	1291	1093	1113	1103	1102	1232	1283	1202	1192	1279	1267	1290	1331
2	ID:03010149	TE NGA - Telemetry Site 64	1024	927	934	969	923	1011	1015	889	923	1001	1006		904
2	ID:03020149	East end of Puaerenga Brg (Dec) - Telemetry Site 64	1097	981	958	998	957	1086	1139	988	1056	1134	1126		1069
2	ID:00200204	OHINEPANĒA - Telemetry Site 13 - West of Rogers Rd	742	654	715	783	772	841	870	777	773	769	801	728	782
2	ID:03000188	LAKE ROTOMA - Telemetry Site 22	344	291	302	332	329	326	353			374	388	368	361
2	ID:03300030	Sth of Maungarangi Rd Paengaroa - Telemetry Site 14	634	555	577	583	581	631	671	582	626	660	667	611	611
2	ID:00500034	TARUKĒNGA - Telemetry Site 15	605	529	545	562	562	625	663	613	674	731	719	723	631
2	ID:02900034	KAIMAI - Telemetry Site 12	1427	1153	1210	1231	1277	1486	1582	1457	1332	1714	1724	1625	1577
2	ID:00500057	WAIPA - Telemetry Site 41 - Sth of SH30	898	792	833	855	862	913	911	784	878	956	982	903	849
2	ID:00200176	TE PUKE - Telemetry Site 49 - (WIM Site)	2156	1908	1916	1927	1896	2065	2129	1850	1899	2088	2095	1992	2262
2	ID:00200242	AWAKĒRI - Telemetry Site 92	769	605	611	625	657	784	796	701	713	779	783	665	721
2	ID:00210152	TAKITIMU DRIVE - Telemetry Site 105 - Inc	1267	1074	1147	1133	1099	1277	1343	1198	1172	1406	1401	1333	1365
2	ID:00220152	TAKITIMU DRIVE - Telemetry Site 105 - Dec	1265	1089	1165	1150	1118	1285	1337	1207	1181	1393	1385	1314	1370
3	ID:00200428	ORMOND : Telemetry Site 26	281	270		217	204	266	283	258	300	344	342	282	296
3	ID:03500321	HAMANATUA BRIDGE - Telemetry Site 108 WIM	538	446	492	461	429	531	555	497	493	595	593	482	587
3	ID:00200627	TANGOIO - Telemetry Site 24	424	346	356	337	317	367	389	362	426	433	443	399	400
3	ID:00500230	TE POHUE - Telemetry Site 23	503	396	452	441	488	491	573	477	504	565	561	552	570
3	ID:00500259	ESKDALE - Telemetry Site 101 - (WIM Site)	644	546	566	578	620	659	734	626	619	717	740	707	723
3	ID:05000010	Nth of Tutae kuri River (Telemetry Site 58)	1637	1379	1367	1267	1282	1403	1469	1571	1610	1643	1736	1521	1607
3	ID:00300171	TONGAPORUTU Brg - Telemetry Site 78	440	366	384	387	422	424	468	425	438	483	475	480	427
3	ID:00300267	TARIKI - Telemetry Site 6	1001	816	901	949	1036	1101	1171	1050	1066	1153	1188	1052	1026
3	ID:00300370	WAITOTARA - Telemetry Site 5	617			677	685	643	819	660	664	689	683	683	643
3	ID:04500101	OHAWĒ BEACH Rd - Telemetry Site 71	328	252	279	428	594	688	647	559	543	548	493	420	369
3	ID:01N00930	SANSON - Telemetry Site 38	1587	1298	1332	1469	1464	1630	1761	1592	1615	1713	1708	1671	1629
3	ID:01N00988	OHĀU - Telemetry Site 56	1467	1299	1355	1377	1360	1474	1594	1463	1467	1619	1592	1536	1491
3	ID:00200755	NORSEWOOD - Telemetry Site 25	564	475	501	493	527	575	643	587	657	701	719	652	584
3	ID:00300489	MANAWATU GORGE - Telemetry Site 30	772	673	700	701	679	735	833	757	830	870	896	831	802
3	ID:00400133	HOROPITO - Telemetry Site 37	280		318	254	250	260	298	277	278	321	306	257	266
3	ID:00400226	UPOKONGĀRO - Telemetry Site 28	148	132	148	145	137	146	183	173	186	199	189	176	180

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

## MADT (Heavy Vehicles)

NZTA Region	Site Ref	Description	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14
3	ID:01N00827	HIHIATAHI - Telemetry Site 29	931	830	880	854	866	942	1057	904	1059	1064	990	960	920
3	ID:05400049	FIELDING - Telemetry Site 106	267	219	219	223	217	231	253	229	216	260	268	217	231
3	ID:05700014	SHANNON - Telemetry Site 107	682	641	648	662	663	727	778	729	715	779	781	787	723
4	ID:01N11068	NGAURANGA (SH1 - Telemetry Site 3 - SB)	655	596	649	661	628	680	726	664	650	748	730	665	715
4	ID:00200895	CLAREVILLE - Telemetry Site 80 - Nth of Whites Line	572	484	541	556	585	646	699	621	627	695	651	594	598
4	ID:00200937	RIMUTAKA - Telemetry Site 01- Pukuratahi River Brg	307	263	281	289	294	323	359	347	345	356	360	315	313
4	ID:01N01036	PUKERUA BAY - Telemetry Site 47	1843	1724	1850	1861	1800	2001	2060	1755	1858	2068	2075	1995	2021
4	ID:01N21068	NGAURANGA (SH1 - Telemetry Site 4 - NB)	717	601	648	658	626	681	724	650	623	720	703	639	692
4	ID:05800009	Pauatahanui East (Telemetry Site 73)	577	452	489	515	466	499		472	472	552	556	518	525
4	ID:00210979	NGAURANGA (SH2 - Telemetry Site 4 - Sth Bound Lanes)	698	653	689	701	698	712	723	657	617	723	692	607	701
4	ID:00220979	NGAURANGA (SH2 - Telemetry Site 4 - Nth Bound Lanes)	797	878	929	933	916	958	976	897	850	983	952	855	946
4	ID:00210965	KELSON - Telemetry Site 99 - SB	698	660	683	676	677	543	840	589	665	793	779		767
4	ID:00220965	KELSON - Telemetry Site 99 - NB	671	621	653	640	642	515	742	543	584	701	707		652
4	ID:00600122	STOKE - Telemetry Site 81 - Whakatu Drive at Songer St	1509	1260	1320	1203	1209	1326	1407	1239	1375	1356	1428	1284	1351
4	ID:00600232	MURCHISON - Telemetry Site 35	273	214	222	234			321	292	370	365	332	325	281
4	ID:00600100	HIRA - Telemetry Site 36	461	386	422	420	431	448	489	445	491	524	513	464	449
4	ID:06000040	SH60 Riwaka Telemetry Site 86	251	208	158	161	179	221	303	294	346	364	317		240
4	ID:01S00037	Blenheim Telemetry Site 87	598	484	512	541	538	659	686				755	946	677
4	ID:06300096	ST ARNAUD - Telemetry Site 93	37	28		29	27	35	39	32	41	51	52	42	40
5	ID:01S00389	DUNSANDEL - Telemetry Site 68 (LTSA)	1511	1225	1342	1357	1543	1753	1908	1816	1846	1913	1773	1684	1570
5	ID:01S00505	EVANS St Timaru - Telemetry Site 69	1419	1285	1422	1494	1642	1864	1873	1946	1733	1819	1882	1704	1683
5	ID:07300064	Springfield - West of Township - Telemetry Site 11	194	141	165	206	221	217	254	247	263	279	279	237	203
5	ID:01S00144	KAIKOURA - Telemetry Site 9 - Nth of Hapuku River	495	401	421	411	461	521	572	506	542	565	515	543	523
5	ID:01S00522	ST ANDREWS - Telemetry Site 31	928	714	765	864	997	1112	1167	1110	1127	1160	1164	1062	979
5	ID:00700108	LEWIS PASS - Telemetry Site 32	175	147	155	160	155	188	208	198	265	219	212	220	188
5	ID:01S00285	WAIPARA - Telemetry Site 52 - (WIM Site)				967			1322	1230	1302	1305	1227	1242	
5	ID:01S10327	WAIMAKARIRI BRIDGE - Telemetry site 96 SB	1534	1274	1517	1502	1539	1764	1826	1590	1724	1818	1701	1581	1667
5	ID:01S20327	WAIMAKARIRI BRIDGE - Telemetry site 96 NB	1301	1102	1312	1284	1321	1515	1572	1422	1442	1554	1453	1347	1430
5	ID:07409025	LYTTLETON TUNNEL - Telemetry Site 114	1581	1381	1580	1614	1656	1775	1997	1806	1739	1952	1824	1778	1990
5	ID:00800059	FAIRLIE - Telemetry Site 98	234	165	179	188	236	253	303	310	398	361	332	362	233
5	ID:00600454	CHESTERFIELD - Telemetry Site 70	279	186	222	246	351	403	432	412	428	438	411	363	273
5	ID:00700239	AHAURA - Telemetry Site 40	160	127	139	150		222		208	211	229	227	200	181
5	ID:00600398	PUNAKAIKI - Telemetry Site 39 - Just Nth of Canoe Creek	72	61	56	64	86	97	120	117	120	132	119	102	72
6	ID:00800336	ALEXANDRA - Telemetry Site 44 - Sth Near Butchers Dam	213	163	184	203	187	203	227	227	289	275	241	257	207
6	ID:01S10713	BURNSIDE - Telemetry Site 63 - Sth Bound	876	741	796	803	807	891	926	926	827			812	
6	ID:01S20713	BURNSIDE - Telemetry Site 63 - Nth Bound	726	595	645	645	655	730	751	751	671			686	
6	ID:01S50713	BURNSIDE - Telemetry Site 63 - On Ramp - Nth Bound	128	109	119	120	122	129	134	134	121			116	
6	ID:01S60713	BURNSIDE - Telemetry Site 63 - Off Ramp - Sth Bound	204	175	198	201	195	213	225	225	192			193	
6	ID:01S40713	BURNSIDE - Telemetry Site 63 - Off Ramp - Nth Bound	138	112	135	134	122	139	140	140	119			127	
6	ID:01S40714	Burnside - Nth Bound Off Ramp - Telemetry Site 63	76	64	71	78	71	76	85	85	71			68	
6	ID:01S00765	MILTON - Telemetry Site 27	799	627	645	656	707	808	890	890	826	954	884	870	794
6	ID:06A00001	FRANKTON - Telemetry Site 90	734	668	810	871	784	845	959	959	1012	1106	1022	989	748
6	ID:08500161	GALLOWAY - Telemetry Site 89	137	100	107	134	117	117	134	134	138	153	144	129	125
6	ID:08800004	RAVENSBORNE - Telemetry Site 88	498	419	427	416	462	482	562	562	514	625	553	451	482
6	ID:01S00921	INVERCARGILL - Telemetry Site 62	369	344	351	368	347	395	427	427	362	438	463	395	421
6	ID:00601147	WINTON - Telemetry Site 46	452	333	386	422	425	486	509	509	472	534	538	471	450
6	ID:00601082	FIVE RIVERS - Telemetry Site 91	168	119	137	164	146	184	232	232	296	292	286	242	208
6	ID:01S00854	GORE - Telemetry Site 45	487	361	372	444	461	545	608	608	550	616	577	529	516
6	ID:09400141	TE ANAU - Telemetry Site 94	94	59	61	73	73	99	167	167	170	177	160	137	83

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