

DATABASE HEALTH INDEX - DASHBOARD

Area: TARANAKI M&O
Date: 20/08/2013

KEY: On or exceeding target
One grade, or between 0 and 15 below captured value
Greater than one grade, or 15 below captured value

Category	Measures	Performance					
		Result	Measure	Expected Value	Category	Expected Value	
Carriageway Asset Inventory	Capital Projects	Major capital projects completed v RAMM (in last 6 -30 months)	see attached report			-	-
		Minor capital or safety improvement projects v RAMM (in last 6 -30 months)	see attached report			-	-
	Surfacing	% of Network surfaced in RAMM over previous 4 – 15 months	11.6%	Grade 1	Grade 1	88	81
		% Surfaces at least 50% older than expected age	9.1%	Grade 3	Grade 2		
		% of Network with no surfacing	0.3%	Grade 1	Grade 1		
		Illogical Records inc. % (SAC with chipseal, Low and high widths, Alignment of traffic volumes v pavement use)	1.2%	Grade 1	Grade 1		
	Pavement Layer	Proportion of Network with layer Information	82.3%	Grade 2	Grade 3	68	77
		New layer length in previous 6 – 30 months	1.1%	Grade 3	Grade 2		
		Illogical records (Pavement Layers v Incorrect Surfacing)	0.0%	Grade 1	Grade 1		
	Road Marking	Breakdown of road markings by type	see attached report			-	-
Treatment Length	Proportion of very short (< 20m) TLs	1.0%	Grade 1	Grade 1	84	85	
	Proportion of very long (> 2000m) TLs	1.1%	Grade 1	Grade 1			
	Proportion of TLs with < 80% coverage of major surfacing	11.6%	Grade 2	Grade 1			
	% updated in last 5 years	63.2%	Grade 3	Grade 2			
Forward Works Programme	Date FWP last updated	15/08/2013	-	-	72	90	
	Proportion of network identified for treatment in next ten years (from FWP)	123.1%	Grade 1	Grade 2			
	FWP v surfacings (% surfacings in last year conflicting with first 2 years of FWP excluding 2nd coats)	0.0%	Grade 1	Grade 1			
	Evidence of active MIS strategy, reasons for treatments listed and detailed	17.3%	Grade 5	Grade 1			
Carriageway Rating	Percentage rated in last year	0.0%	Grade 5	Grade 1	0	90	
High Speed Data	% network meeting standards for roughness, rutting and texture (Roads surveyed in last year)	99.9%	Grade 1	Grade 1	96	90	
	% network meeting standards for FWD (Roads surveyed in last 5years)	87.3%	Grade 2	Grade 1			
	% network meeting standards for SCRIM (Roads surveyed in last year)	99.9%	Grade 1	Grade 1			
Maintenance Activity	Items per km for PA and SU cost groups in previous 4 – 15 months v Regional Average	133.3%	Grade 1	Grade 2	97	83	
	Spread of location in previous 4 - 15 months (proportion located at carriageway start)	0.8%	Grade 1	Grade 2			
	Distribution of maintenance patch sizes by Hierarchy	see attached report					
	Breakdown of Maintenance Cost Activities	see attached report					
	% of Maintenance Activity where fault type is "Unknown"	0.9%	Grade 1	Grade 1			
Miscellaneous	No. of test pits with layer data recorded	59	no.	-	-	-	
	No. of LTPP sites recorded in RAMM	3	no.	-	-	-	
Traffic Count	Latest ADT Counts	31/12/2012	-	-	86	70	
	Latest ADT Estimates	31/12/2011	-	-			
	% loading estimate (i.e. not default)	85.9%	Grade 2	Grade 2			
Structures	No. of Pavement Type "Bridge" v No. of Bridges > 50m in length in BDS	9.5%	Grade 5	Grade 1	55	85	
	No. Large Culverts v No. BDS	266.7%	Grade 1	Grade 2			
	Retaining Walls	211	no.	-			
	Gantries (see attached report for locations)	0	no.	-			
	Barriers in RAMM (m)	32291	m	-			
	End Treatments in RAMM	see attached report					
Drainage	Culverts per km v Regional Average (Rural)	109.1%	Grade 1	Grade 2	70	80	
	Catchpits per km v Regional Average (Urban)	83.9%	Grade 2	Grade 2			
	Manholes per km v Regional Average (Urban)	100.0%	Grade 1	Grade 2			
	Subsoil Drains per km v Regional Average (Rural)	65.4%	Grade 3	Grade 2			
	% of Drainage (Construction Date in previous 4 – 15 months)	0.0%	Grade 4	Grade 2			
Surface Water Channels	Surfaced SWC per km v Regional Average (Urban)	119.1%	Grade 1	Grade 2	67	77	
	Earth SWC per km v Regional Average (Rural)	114.4%	Grade 1	Grade 2			
	Sealed SWC renewal activity (Construction Date in previous 4 – 27 months)	0.0%	Grade 4	Grade 2			
Signs	Signs per km v Regional Average	91.7%	Grade 1	Grade 2	46	78	
	Large Signs >4.0m ² (see attached report for quantity by type)	54	no.	-			
	ITS VMS	0	no.	-			
	% of Signs with renewal date in last 4 - 15 months	0.0%	Grade 4	Grade 2			
	No. Frangible bases in RAMM (no posts in RAMM)	0	no.	-			
Streetlights	Streetlights per km v Regional Average	25.0%	Grade 4	Grade 2	42	82	
	Frangible Base type no.	10	no.	-			
	Shear Base type no.	76	no.	-			
	% of Streetlight Poles with renewal date in last 4 – 15 months	0.0%	Grade 4	Grade 2			
	Duplicates or near duplicates plus poles with no light or bracket	0.0%	Grade 1	Grade 1			
Footpaths & Cycleways	Total length of Footpath and Cycleways (see attached tables for listings)	see attached report			-	-	
Signal Controlled Intersections	Signal Controlled Intersections (see attached report for locations)	13	no.	-	-	-	
Rest Areas	Number of rest areas	28	no.	-	-	-	
Weigh Stations	Number of Weigh Stations (see attached report for locations)	9	no.	-	-	-	

DATABASE HEALTH INDEX - REGIONAL AVERAGES

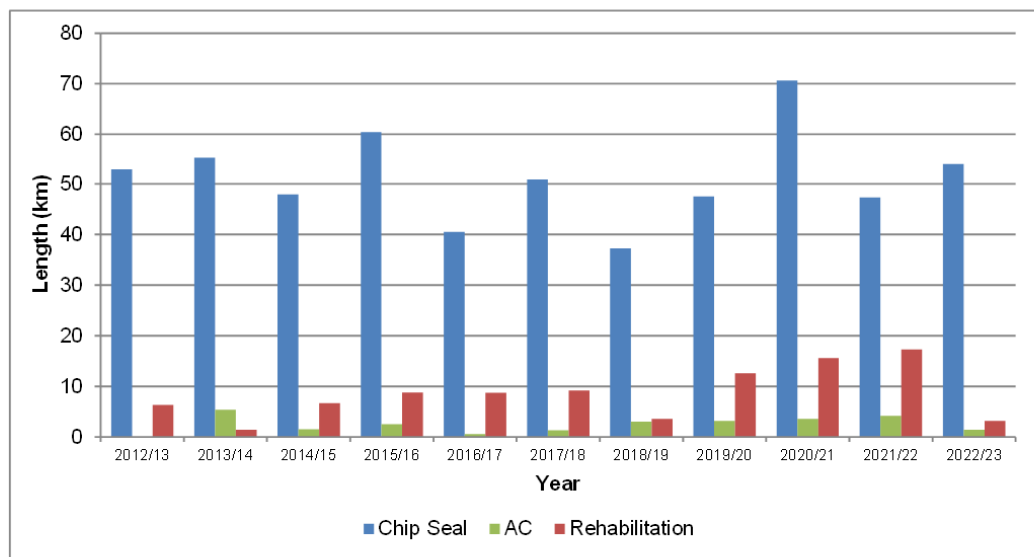
Area: TARANAKI M&O
Date: 20/08/2013

Regional Averages							
Asset	Region	Hierarchy					Regional Average
		High Volume	National Strategic	Regional Strategic	Regional Connector	Regional Distributor	
Maintenance Costs (no. of pavement and surfacing faults per km)	Regional Average for route type	3	2	6	4	5	4
	Wellington	2	1	5	-	6	
	Napier	4	2	5	-	4	
	Gisborne	-	-	7	4	8	
	East Wanganui	4	2	2	3	3	
	West Wanganui	-	3	9	5	3	
	Manawatu Whanganui	-	2	2	4	3	
	Taranaki	-	-	9	8	3	
Culverts (Rural) (no. per km)	Regional Average for route type	3	6	8	6	8	7
	Wellington	3	2	8	-	8	
	Napier	4	7	9	-	7	
	Gisborne	-	-	8	11	9	
	East Wanganui	4	6	6	5	4	
	West Wanganui	-	4	7	3	4	
	Manawatu Whanganui	-	5	7	4	7	
	Taranaki	-	-	7	8	9	
Catchpit (Urban) (no. per km)	Regional Average for route type	13	11	9	13	9	10
	Wellington	14	13	10	-	15	
	Napier	10	12	11	-	9	
	Gisborne	-	-	0	4	5	
	East Wanganui	0	11	10	16	9	
	West Wanganui	-	12	8	14	12	
	Manawatu Whanganui	-	10	9	16	11	
	Taranaki	-	-	9	4	13	
Manholes (urban) (no. per km)	Regional Average for route type	4	1	1	2	1	1
	Wellington	5	0	4	-	0	
	Napier	0	0	2	-	1	
	Gisborne	-	-	0	1	0	
	East Wanganui	0	1	0	1	0	
	West Wanganui	-	0	0	2	1	
	Manawatu Whanganui	-	0	1	1	0	
	Taranaki	-	-	1	2	1	
Subsoil Drain (Rural) (m per km)	Regional Average for route type	25	65	150	48	59	84
	Wellington	22	6	43	-	201	
	Napier	107	34	223	-	14	
	Gisborne	-	-	151	93	148	
	East Wanganui	0	79	101	14	39	
	West Wanganui	-	106	137	24	33	
	Manawatu Whanganui	-	75	110	14	72	
	Taranaki	-	-	138	14	16	
Surfaced SWC (Urban) (m per km)	Regional Average for route type	1507	1721	1528	1223	1401	1505
	Wellington	1515	1561	1695	-	1215	
	Napier	1488	1447	1815	-	1623	
	Gisborne	-	-	0	426	784	
	East Wanganui	0	1866	1597	1377	1596	
	West Wanganui	-	957	1378	1580	1771	
	Manawatu Whanganui	-	1259	1183	1377	1772	
	Taranaki	-	-	1458	1755	1733	
Earth SWC (Rural) (m per km)	Regional Average for route type	467	941	933	1481	1134	1027
	Wellington	444	75	1178	-	992	
	Napier	313	523	448	-	718	
	Gisborne	-	-	1087	1403	1328	
	East Wanganui	869	1173	1143	1005	940	
	West Wanganui	-	1139	1213	1704	1228	
	Manawatu Whanganui	-	942	1086	926	1109	
	Taranaki	-	-	1214	1606	1239	
Signs (no. per km)	Regional Average for route type	23	16	16	15	17	17
	Wellington	23	18	28	-	30	
	Napier	26	14	16	-	15	
	Gisborne	-	-	17	18	14	
	East Wanganui	27	17	16	14	17	
	West Wanganui	-	10	10	12	18	
	Manawatu Whanganui	-	12	12	9	14	
	Taranaki	-	-	11	12	21	
Streetlights (no. per km)	Regional Average for route type	13	2	2	1	1	2
	Wellington	13	8	6	-	2	
	Napier	17	2	1	-	2	
	Gisborne	-	-	0	1	2	
	East Wanganui	5	1	1	1	0	
	West Wanganui	-	0	1	0	0	
	Manawatu Whanganui	-	1	1	1	0	
	Taranaki	-	-	1	0	0	

DATABASE HEALTH INDEX DASHBOARD - REPORTS

Area: **TARANAKI M&O**
Date: **20/08/2013**

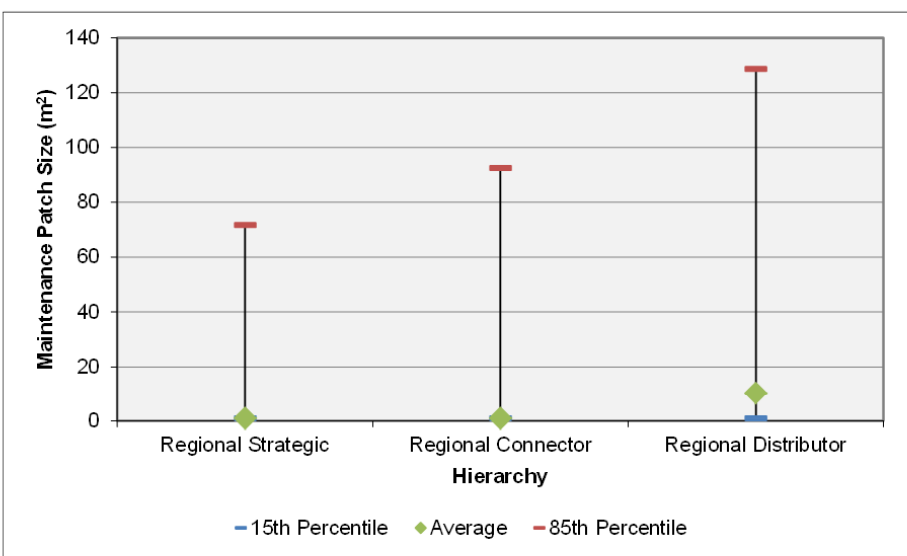
Breakdown of 10 Year FWP by Treatment Type



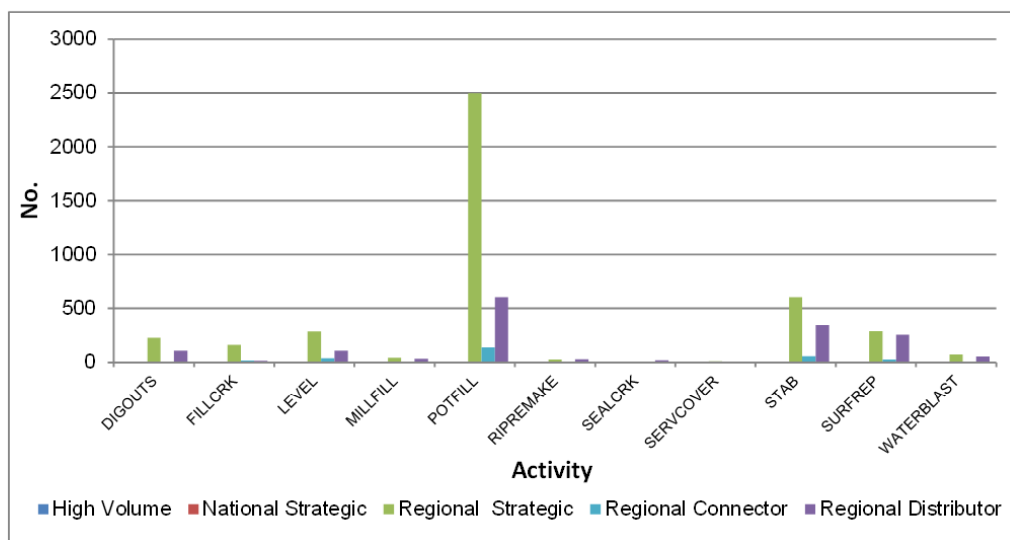
Signalised Intersections in RAMM

Road Name	Location	No.
003-0229/08.01	8598	1
003-0229/09.31-l	9588	1
003-0240	0	1
044-0000	102	1
044-0000	103	1
044-0000	1329	2
044-0000	1659	1
045-0000-D	620	1
045-0000-D	1332	1
045-0000-l	623	1
045-0000/01.83	2030	2
Total		13

Distribution of maintenance patch sizes by Hierarchy



Breakdown of Maintenance Cost Activities last 3 years



Large Signs >4.0m²

Sign Type	No.
Advance direction (Map) - "T" or cross roads	10
Intersection Direction - "T"	3
Advance direction (Map) - Roundabout	4
Advance direction (Stack) - Cross roads	1
Confirmation Destination	8
Curve Advisory Speed 75km/h	1
Major tourist attractions - special information	1
One service [Chevron]	1
ROAD INFORMATION	3
Speed Limit 70km/h with PN-1	4
Threshold Sign - Place Name + Speed Limit	15
Welcome To	3
Total	54

End Treatments in RAMM

End Treatment Type	No.
Armorflex X 350	38
Breakaway Cable Terminal (Bull Nose)	174
Breakaway Cable Terminal Unit	5
Bridge Plate/Bridge Connector	53
Brifen Terminal	2
Buried in Back Slope	15
Cable end	2
Eccentric Loader Terminal (Round drum type)	2
ET2000	6
Fishtail/Butterfly end	27
Fleat 350	98
M23 Compliant	3
Not Applicable	89
Regent	25
SKT 350	8
Steel Wire Rope End Anchor Block	6
Terminal end	14
Texas Twist	7
Trailing End Anchor Units	1
Unknown	6
Total	581

Breakdown of road markings by type

Please note that NZTA does not require recording of standard centerline and edgeline lengths and therefore these quantities may not include some or all of these items

Marking Material	length (m)
Cold Applied Plastic	71797
Epoxy resin (for coloured surfacings)	175
Long Life Flat	267
Paint	1573157
Raised Pavement Marker	192683
Reflectorised Paint	235911
Thermoplastic - cold	24876
Unknown	42479

Footpath and CycleWays

None

Weigh Stations

Road Name	Location	Side
003-0269	6680	R
003-0298	3280	L
003-0352	5180	R
045-0000/01.83	6870	R
045-0097	4653	L
003-0218	3566	L
003-0218	9549	R
004-0061	4491	L
004-0070	6550	L

Gantries

None

DATABASE HEALTH INDEX - PARAMETERS

Measures		Description	Data Source	Grading	Greater than	Less than	NZTA Target Grade
Pavement and Footpath Inventory							
Capital Projects	Major capital projects completed v RAMM (in last 6 -30 months)	Proportion of major capital projects completed within in 6 - 30 months that have been captured in RAMM	NZTA Regional Office, RAMM	N/A	N/A	N/A	N/A
	Minor capital or safety improvement projects v RAMM (in last 6 -30 months)	Proportion of minor capital or safety improvement projects completed within in 6 - 30 months that have been captured in RAMM	NZTA Regional Office, RAMM	N/A	N/A	N/A	N/A
Surfacing	% of Network surfaced in RAMM over previous 4 – 15 months	Total length of Network with surface date between 4-15 months old / total length of network	RAMM surface_structure, carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	8% 5% 2%	8% 5% 2%	Grade 1
	% Surfaces 50% older than expected age	Total length of Network with surface date > 50% older than expected age / total length of network	RAMM surface_structure, carr_way	Grade 1 Grade 2 Grade 3 Grade 4	3% 7% 15%	3% 7% 15%	Grade 2
	% of Network with no surfacing	Total length of Network with no surface material / total length of network	RAMM treatment_length, carr_way	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
	Illogical records (SAC with chipseal, Low and high widths, Alignment of traffic volumes v pavement use)	No. Records with inconsistencies / No carriageway sections	RAMM carr_way, c_surface, traffic_loading, traffic_loading_dtl	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
Pavement Layer	Proportion with layer information	Total length of Network with layer material / total length of network	RAMM treatment_length, carr_way	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 3
	New Layer length in 6 – 30 months	Total length of Network with layer date between 6-30 months old / total length of network	RAMM pave_structure, carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	5% 3% 1%	5% 3% 1%	Grade 2
	Illogical records (Pavement layers v Incorrect Surfacing)	Total No. illogical Records / total No treatment lengths	RAMM carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
Road Marking	Breakdown of road markings by type	Total road marking length by type	RAMM carr_way, markings	N/A	N/A	N/A	N/A
Treatment Length	Proportion of very short < 20m TLs	Total length of Network with length < 20m / total length of network	RAMM carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
	Proportion of very long > 2000m TLs	Total length of Network with length > 2000m / total length of network	RAMM carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
	Proportion of TLs with < 80% coverage of major surfacing	Total length of Network with < 80% coverage of major surfacings / total length of network	RAMM carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
	% updated in last 5 years	Total No treatment lengths updated in last 5 years / total No TL's	RAMM carr_way, treatment_length	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
Forward Works Programme	Date FWP Last Updated	Date FWP last updated	RAMM treatment_length, fw_cell_treatment, fw_programme_cell, fw_programme_hdr, fw_treatment	N/A	N/A	N/A	N/A
	Proportion of network identified for treatment in next ten years (date last updated)	Length of network identified for treatment in the 10 year FWP / total network length	RAMM treatment_length, fw_cell_treatment, fw_programme_cell, fw_programme_hdr, fw_treatment	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	FWP v surfacings (% surfacings in last year conflicting with first 2 years of FWP exc 2nd coats)	Total length of Network with surfacings with dates in last year with a treatment scheduled in first 2 years of FWP (excl 2nd coats) / total length in first 2 years of FWP	RAMM treatment_length, fw_cell_treatment, fw_programme_cell, fw_programme_hdr, fw_treatment	Grade 1 Grade 2 Grade 3 Grade 4	2% 5% 8%	2% 5% 6%	Grade 1
	Evidence of active MIS strategy, reasons for treatments listed and detailed	Total length of Network with MIS strategy present / Total Network Length	RAMM treatment_length, fw_cell_treatment, fw_programme_cell, fw_programme_hdr, fw_treatment	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1
Collected Data							
Carriageway Rating	Percentage rated in last year	Total network length rated in the last year / total network length	RAMM carr_way, treatment_length, rating	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1
High Speed Data	% network meeting standards for roughness, rutting and texture (Roads surveyed in last year)	Total length of network with roughness, rutting and texture surveyed in the last year / total network length	RAMM carr_way, treatment_length, hsd_rough, hsd_rutting, hsd_texture	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1
	% network meeting standards for FWD (Roads surveyed in last 5 years)	Total length of network with FWD surveyed in the last 5 years / total network length	RAMM carr_way, treatment_length, falling_weight	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1
	% network meeting standards for SCRIM (Roads surveyed in last year)	Total length of network with SCRIM surveyed in the last year / total network length	RAMM carr_way, treatment_length, skid_resistance	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1

DATABASE HEALTH INDEX - PARAMETERS

Measures		Description	Data Source	Grading	Greater than	Less than	NZTA Target Grade
Maintenance Costs	Items per km for PA and SU cost groups in previous 4 – 15 months vs Regional Average	Total number of pavement and surfacing activity in last 4-15 months/Total Carriageway Length vs Regional Average	RAMM carr_way, mc_cost	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Spread of location in previous 4 - 15 months (proportion located at carriageway start)	Total number of pavement and surfacing activity in last 4-15 months at carriageway start / Total pavement and surfacing activity	RAMM carr_way, mc_cost	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 2
	Distribution of maintenance patch sizes by Hierarchy	Distribution of maintenance patch sizes by State Highway Classification	RAMM carr_way, mc_cost	N/A	N/A	N/A	N/A
	Breakdown of Maintenance Cost Activities	Breakdown of maintenance cost activities by type for the last 3 years by State Highway Classification	RAMM carr_way, mc_cost	N/A	N/A	N/A	N/A
	% of Maintenance Activity where fault type is "Unknown"	Percentage of maintenance cost activity recorded as unknown for the last 3 years.	RAMM carr_way, mc_cost	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
Miscellaneous	No. Test Pits with layer data recorded	Total number of test pit records	RAMM carr_way, pave_test_pit_hdr	N/A	N/A	N/A	N/A
	No. of LTPP Sites recorded in RAMM	Total number of LTPP Sites	RAMM carr_way, ud_ltp	N/A	N/A	N/A	N/A
Traffic Count	Latest ADT Counts	Latest date of counts	RAMM traffic_loading	N/A	N/A	N/A	N/A
	Latest ADT Estimates	Latest date of Estimates	RAMM traffic_loading	N/A	N/A	N/A	N/A
	% loading estimate (i.e. not default)	Total no. loading estimates in last year / total no carriageway sections	RAMM carriageway, traffic_loading, carr_way, traffic_loading_dtl	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
Non-Carriageway Asset Inventory							
Structures	No. Pavement Type "Bridge" v No. Bridges > 50m in length in BDS	Total No. Bridge pavement type in RAMM vs Total No. Bridges >50m in length in BDS that carry the State Highway	RAMM carr_way, BDS	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 1
	No. Large Culverts v No. BDS	Total No. Culverts with an area >= 3.4m ² vs Total No. culverts in BDS	RAMM carr_way, drainage, BDS	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Retaining Walls	Total No. Retaining Walls	RAMM carr_way, retaining_wall	N/A	N/A	N/A	N/A
	Gantries	Total No. Gantries	RAMM carr_way, minor_structure	N/A	N/A	N/A	N/A
	Barriers in RAMM(m)	Total Length Barriers (excludes SR, HR, OTHER, GREAT)	RAMM carr_way, railings	N/A	N/A	N/A	N/A
Drainage	Culverts per km v Regional Average (Rural)	Total No. of culverts per km Rural (Includes CUL, SDCUL, OFCUL) vs regional average per km	RAMM carr_way, drainage	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Catchpits per km v Regional Average (Urban)	Total No. of catchpits per km Urban (includes CP1,CP2,CP3,SUMP,GRID, SP) vs regional average per km	RAMM carr_way, drainage	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Manholes per km v Regional Average (Urban)	Total No. of manholes per km Urban (includes MHOLE, DCHM) vs regional average per km	RAMM carr_way, drainage	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Subsoil Drains per km v benchmark Regional Average (Rural)	Length of subsoil drains per km Rural vs regional average per km	RAMM carr_way, drainage	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	% of Drainage (Construction Date in previous 4 – 15 months)	Total No. of drainage structures renewed or replaced in last 4-15 months / total no. of drainage structures	RAMM carr_way, drainage	Grade 1 Grade 2 Grade 3 Grade 4	4% 2% 1%	4% 2% 1%	Grade 2
Surface Water Channels	Surfaced SWC per km v Regional Average (Urban)	Length of surfaced SWC per km Urban vs regional average per km	RAMM carr_way, sw_channel	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Earth SWC per km v Regional Average (Rural)	Length of Earth SWC per km Rural vs regional average per km	RAMM carr_way, sw_channel	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Sealed SWC Renewal Activity (Construction Date in previous 4 – 27 months)	Length of surfaced SWC renewed or replaced in last 4-15 months / total length of surfaced SWC	RAMM carr_way, sw_channel	Grade 1 Grade 2 Grade 3 Grade 4	4% 2% 1%	4% 2% 1%	Grade 2

DATABASE HEALTH INDEX - PARAMETERS

	Measures	Description	Data Source	Grading	Greater than	Less than	NZTA Target Grade
Signs	Signs per km v Regional Average	Total No. of signs per km vs regional average per km	RAMM carr_way, signs	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Large Signs >4.0m ²	Total No. of large signs with a sign face greater than 4.0m ²	RAMM carr_way, signs	N/A	N/A	N/A	N/A
	ITS VMS	Total No. of ITS Assets (3VMS, 3MVMS, 3VMSS) and its_state = "In Service"	RAMM carr_way, ud_its	N/A	N/A	N/A	N/A
	% of Signs with renewal date in previous 4 – 15 months	Total No. of signs renewed or replaced in last 4-15 months / total number of signs	RAMM carr_way, signs	Grade 1 Grade 2 Grade 3 Grade 4	6% 4% 2%	6% 4% 2%	Grade 2
	No. Frangible bases in RAMM	Total No of signs with frangible bases	RAMM carr_way, signs	N/A	N/A	N/A	N/A
Streetlights	Streetlights per km v benchmark	Total No. of street lights per km vs regional average per km	RAMM carr_way, sl_pole	Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	90% 70% 40% 20%	90% 70% 40% 20%	Grade 2
	Frangible Base type no.	Total No. of street lights with frangible bases	RAMM carr_way, sl_pole	N/A	N/A	N/A	N/A
	Shear Base type no.	Total No. of street lights with shear bases	RAMM carr_way, sl_pole	N/A	N/A	N/A	N/A
	% of Street lights with renewal date in previous 4 – 15 months	Total No. of street lights renewed or replaced in last 4-15 months / total number of street lights	RAMM carr_way, sl_pole	Grade 1 Grade 2 Grade 3 Grade 4	6% 4% 2%	6% 4% 2%	Grade 2
	Duplicates or near duplicates plus poles with no light or bracket	Total No. Poles with no brackets attached, total No. brackets with no light attached, total No. poles with duplicate road_id, location, offset_side, offset	RAMM carr_way, sl_pole, sl_bracket, sl_light	Grade 1 Grade 2 Grade 3 Grade 4	5% 15% 40%	5% 15% 40%	Grade 1
Footpath & Cycleways	Total Length of footpath and cycleways (see attached tables for listing)	Total length of footpath and cycleways	RAMM carr_way, features	N/A	N/A	N/A	N/A
Signal Controlled intersections	No. Signal Controlled Intersections (see attached report for loactions)	Number of signal Controlled Intersections (SIGINT)	RAMM carr_way, features	N/A	N/A	N/A	N/A
Rest Areas	Number of rest areas	Total No of rest areas	RAMM carr_way, features	N/A	N/A	N/A	N/A
Weigh Station	No. Weigh stations	Number of weighs Stations (WSTAT)	RAMM carr_way, minor_structure	N/A	N/A	N/A	N/A