

DATABASE HEALTH INDEX - DASHBOARD

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

Area: NORTHLAND
Date: 21/10/2013

		Performance						
Category	Measures	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		12.6%	Grade 1	Grade 1	85	81
		% Surfaces at least 50% older than expected age		7.2%	Grade 3	Grade 2		
		% of Network with no surfacing		4.3%	Grade 1	Grade 1		
		Illogical Records inc. % (SAC with chipseal, Low and high widths, Alignment of traffic volumes v pavement use)		1.4%	Grade 1	Grade 1		
	Pavement Layer	Proportion of Network with layer Information		90.7%	Grade 1	Grade 3	94	77
		New layer length in previous 6 – 30 months		4.8%	Grade 2	Grade 2		
		Illogical records (Pavement Layers v Incorrect Surfacing)		5.2%	Grade 2	Grade 1		
	Road Marking	Breakdown of road markings by type			see attached report		-	-
	Treatment Length	Proportion of very short (< 20m) TLs		0.9%	Grade 1	Grade 1	79	85
		Proportion of very long (> 2000m) TLs		1.8%	Grade 1	Grade 1		
		Proportion of TLs with < 80% coverage of major surfacing		11.3%	Grade 2	Grade 1		
		% updated in last 5 years		45.0%	Grade 3	Grade 2		
Forward Works Programme	Date FWP last updated		17/10/2013	-	-	84	90	
	Proportion of network identified for treatment in next ten years (from FWP)		93.4%	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		58.7%	Grade 3	Grade 1			
Carriageway Rating	Percentage rated in last year			72.6%	Grade 2	Grade 1	73	90
High Speed Data	% network meeting standards for roughness, rutting and texture (Roads surveyed in last year)		100.0%	Grade 1	Grade 1	98	90	
	% network meeting standards for FWD (Roads surveyed in last 5years)		92.5%	Grade 1	Grade 1			
	% network meeting standards for SCRIM (Roads surveyed in last year)		100.0%	Grade 1	Grade 1			
Maintenance Activity	Items per km for PA and SU cost groups in previous 4 – 15 months v Regional Average		119.4%	Grade 1	Grade 2	90	83	
	Spread of location in previous 4 - 15 months (proportion located at carriageway start)		0.7%	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"		11.5%	Grade 2	Grade 1			
Miscellaneous	No. of test pits with layer data recorded		38	no.	-	-	-	
	No. of LTPP sites recorded in RAMM		6	no.	-	-	-	
Traffic Count	Latest ADT Counts		31/12/2012	-	-	100	70	
	Latest ADT Estimates		18/10/2013	-	-			
	% loading estimate (i.e. not default)		99.6%	Grade 1	Grade 2			
Non-Carriageway Asset Inventory	Structures	No. of Pavement Type "Bridge" v No. of Bridges > 50m in length in BDS		90.9%	Grade 1	Grade 1	53	85
		No. Large Culverts v No. BDS		13.9%	Grade 5	Grade 2		
		Retaining Walls		1293	no.	-		
		Gantries (see attached report for locations)		0	no.	-		
		Barriers in RAMM (m)		119692	m	-		
		End Treatments in RAMM		see attached report				
	Drainage	Culverts per km v Regional Average (Rural)		126.5%	Grade 1	Grade 2	89	80
		Catchpits per km v Regional Average (Urban)		111.8%	Grade 1	Grade 2		
		Manholes per km v Regional Average (Urban)		300.0%	Grade 1	Grade 2		
		Subsoil Drains per km v Regional Average (Rural)		186.9%	Grade 1	Grade 2		
		% of Drainage (Construction Date in previous 4 – 15 months)		1.2%	Grade 3	Grade 2		
	Surface Water Channels	Surfaced SWC per km v Regional Average (Urban)		109.0%	Grade 1	Grade 2	98	77
		Earth SWC per km v Regional Average (Rural)		93.2%	Grade 1	Grade 2		
		Sealed SWC renewal activity (Construction Date in previous 4 – 27 months)		5.2%	Grade 1	Grade 2		
Signs	Signs per km v Regional Average		116.0%	Grade 1	Grade 2	61	78	
	Large Signs >4.0m ² (see attached report for quantity by type)		295	no.	-			
	ITS VMS		12	no.	-			
	% of Signs with renewal date in last 4 - 15 months		1.4%	Grade 4	Grade 2			
	No. Frangible bases in RAMM (no posts in RAMM)		0	no.	-			
Streetlights	Streetlights per km v Regional Average		94.4%	Grade 1	Grade 2	65	82	
	Frangible Base type no.		26	no.	-			
	Shear Base type no.		901	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)			25	no.	-	-	
Rest Areas	Number of rest areas			39	no.	-	-	
Weigh Stations	Number of Weigh Stations (see attached report for locations)			14	no.	-	-	

DATABASE HEALTH INDEX DASHBOARD - PROJECTS

Area: **NORTHLAND**
Date: **21/10/2013**

In RAMM (Y/N/P)	Project Name	SH	RS	Dir	RP		Comments	Year
N	Kiwi Stock Underpass Extension	1	65		12.04		Minor Works	10/11
?	Houhora South Clearzoning	1	65		6.05-7.1		Minor Works	10/11
P	Houhora Heads Road Diagram E Treatment	1	65		7.78-7.98		Minor Works	10/11
N	Maitch Road int Imp	1	83		14.7		Minor Works	10/11
Y	Awanui Speed limit Upgrades	1	83		18.5-19.7		Minor Works	10/11
Y	Awanui Intersection Drainage Imp	1	83		19.5-19.73		Minor Works	10/11
P	Matthews Ave Crossing improvement	1	104		8.15		Minor Works	10/11
P	Awanui Nth FM	1	104		0-0.2		Minor Works	10/11
P	Bells Produce - Provision of Flush Median	1	104		6-6.3		Minor Works	10/11
P	Kawakawa Embankment - Provision of Guardrail	1	198		11.88-12.4		Barrier Imp	10/11
Y	Callaghan Site 1 Guardrail Extension	1	215		7-7.15		Minor Works	10/11
Y	Old North Road/Whakapara BP Diagram E	1	233		10.84-11.04		Minor Works	10/11
Y	Old North Road Southbound Passing Lane	1	233		11.4-12.4		Capital Works	10/11
P	Kamo Bypass Stage 2	1	258		2.5-3.9		Capital Works	10/11
Y	SR Manse St Temporary Safety improvements	1	261		2.39-2.59		Safety Retrofit	10/11
P	Okaika Crossing Calcined bauxite	1	266		1.25-1.4		Minor Works	10/11
P	Uretiti Weighstation Imp	1	292		5.3-5.32		Minor Works	10/11
	Waterfall Curve Guardrail Imp	1	303		12.3-12.5		Minor Works	10/11
N	Pretty Bush VMS Barrier	1	319		1.8		Minor Works	10/11
Y	Tunnel Hill - Passing lane termination Imp	1	319		10.133-10.468		Minor Works	10/11
Y	Kaiwaka Islands	1	319		8.37-8.8		Minor Works	10/11
P	Kaiwaka Shoulder widening	1	319		9.45-10.45		Minor Works	10/11
Y	Lovers Lane Southern Access Upgrade	1	336	increasing	7.73		Minor works	27-11-10
p	Mangawhai Rd Passing Lane Capital works 2nd Coat Seal	1	336	increasing/d creasing	3.07		Improvement works	28-10-10
p	Whakapirau Road intersection upgrade	1	336	increasing/d creasing	5.31		Improvement works	26-11-10
p	Bosher road and Lovers lane intersection upgrade	1	336	increasing/d creasing	7.30 - 7.48		Minor works	17-09-10
P	Crowther Road Shoulder Widening	1	346		9.35		Minor works	09-08-10
P	North of Frog Pool Farm Shoulder Widening	1	346	increasing	10		Minor works	09-08-10
Y	Frogpool farm Berm Drainge Construction works	1	346	increasing	10.25		Improvement works	30-06-11
Y	Dome valley Speed Threshold Signage construction	1	346		14.5		Improvement works	17-09-10
P	Wellsford Substaion South Underslip Repair	1	346	increasing	3.2		Improvement works	10-12-10
Y	Wayby North Shoulder widening Construction	1	346	increasing/d creasing	3.6 - 4.0		Minor works	20-08-10
Y	Wayby North Shoulder widening drainage Construction	1	346	increasing	3.6-4.0		Improvement works	18-08-10
Y	Installation of Vehicle Activated Electronic Curve warning Sign at Falls Bridge NBD	1	346	increasing	8.8		Improvement works	28-02-11
N	Construction of Truck Ride Sites	1	346				Improvement works	30-11-10
	Moirs hill Road Shoulder widening	1	373	increasing	1.45		Minor works	5/08/2010
Y	Schollum Access Slip Construction	1	373	decreasing	2.92		Improvement works	25-01-11
Y	Schedeweys Hill Wall Construction	1	373	decreasing	3.0 - 4.0		Improvement works	24-02-11
Y	Windy Ridge SAW Sign Replacement	1	373	increasing			Improvement works	28-07-10
Y	Installation of Vehicle Activated Electronic Curve warning Signs in Schedeweys Hill	1	373	increasing			Improvement works	25-02-11
Y	Ross Road to Wellsford Retrofit Construction - Project 2A and Project 2B	1	336,346	increasing/d creasing	336/1.15 - 346/1.93		Safety Retrofit works	16-05-11
Y	Ross Road to wellsford retrofit construction - Project 5	1	336,346	increasing/d creasing	336/4.42 - 346/4.45		Safety Retrofit works	29-07-10
Y	Ross Road to wellsford retrofit construction - Project 6	1	336,346	increasing/d creasing	336/4.42 - 346/4.45		Safety Retrofit works	29-07-10
Y	Ross Road to wellsford retrofit construction - Project 7	1	336,346	increasing/d creasing	336/4.42 - 346/4.45		Safety Retrofit works	29-07-10
Y	Ross Road to wellsford retrofit construction - Project 8	1	336,346	increasing/d creasing	336/4.42 - 346/4.45		Safety Retrofit works	29-07-10
Y	Ross Road to wellsford retrofit construction - Project 9	1	336,346	increasing/d creasing	336/4.42 - 346/4.45		Safety Retrofit works	29-07-10
Y	Cottle Hill Drainage Imp	10	7		5.3-5.5		Minor Works	10/11
Y	Opua Hill - Shoulder widening and drainage Improvements	11	0		9.87-10.29		Minor Works	10/11
Y	Matarau Rd - Widening and curve easing	12	0		13-13.37		CRS Funding	10/11
N	Ruawai, Paparoa and Maungataroto Ped Facilities	12	169		12		Minor Works	10/11
P	Mountain Road/Fonterra Diagram E	12	202		15.37-15.63		Minor Works	10/11
P	SR Weke Curve Improvements	14	15		2.6-2.8		Safety Retrofit	10/11
	Pedestrian crossing upgrades	var					Minor Works	10/11
Y	Huapai Rail Overbridge Guardrail Upgrade	16	19	decreasing	10.2 6.4		Minor works	24-08-10

In RAMM (Y/N/P)	Project Name	SH	RS	Dir	RP		Comments	Year
	Huapai Rail overbridge Guardrail upgrade construction	16	19	decreasing	10.2 6.4		Improvement works	11-03-11
P	Mabbet Lane Drainage Construction works	16	19		15.2 11.2		Improvement works	30-06-11
Y	Woodhill Park Road IS drainage construction	16	19	increasing	16.44 12.4		Improvement works	24-03-11
U	No 127 Drainage Improvement Construction	16	19		3.2		Improvement works	18-08-10
Y	Coatesville Road Drainage Construction	16	19	increasing	5.41 1.5		Improvement works	01-09-10
N	North of Te Pua School Road Shoulder Widening NBD	16	37	increasing/d creasing	9		Minor works	20-08-10
N	Te Pua school Road - Southbound	16	37	decreasing	9		Minor works	30-06-11
N	Kaukapakapa Stream Bridge Guardrail Extension	16	47	increasing	11.2		Improvement works	17-09-10
Y	Culvert Guardrail Protection Construction Bridge 533	16	47		6.28		Improvement works	6/2011 17-11-10
P	Anderson road IS drainage construction	16	47	increasing	9.73		Improvement works	No surfacing or pavement layers, markings, structures and channels missing 24-03-11
N	Araparera Bridge drainage construction	16	69	increasing	5.67		Improvement works	24-03-11
P	Naumai Road Shoulder Widening	16	82	increasing	9.2		Improvement works	No Surfacing and pavement layers, Markings no paint date 19-05-11
P	Port albert AWPT Widening and Super Elevation Correction>2% Construction	16	92	increasing/d creasing	10.84 -11.75		Improvement works	Drainage, sw_channels missing construction date, markings missing paint date 25-01-11
N	Stage 2 Network wide gabion End Treatment Construction	1,16		increasing/d creasing	varies		Minor works	14-07-10
?	Guardrail remedial Works Construction	16,1					Improvement works	Unsure if this would have been entered in RAMM 28-10-10
Y	Double Bridge Provision of Guardrail	1	104		14.35-14.7		Barrier Imp	11/12
Y	Dawsons Guardrail Imp	1	215		14.5-14.8		Barrier Imp	Railing Construction Date Missing, 14220-14640 1st coat and pave layer 03/2011 OK 11/12
P	Piano Hill Passing Lane Improvements	1	245		8.5-9.3		Minor Works	7.8-8.8, No Surfacing or pavement details, markings missing paint date 11/12
P	Fonterra Kauri Exit Taper	1	245		8.5-9.3		Minor Works	7.8-8.8, No Surfacing or pavement details, markings missing paint date 11/12
Y	Marasumi wire rope barrier extension	1	273		2.6-2.7		Barrier Imp	2.8-3.6 SWR Barrier 11/12
N	Poheneui Bridge – Guardrail Imp	1	292		8.8-9		Barrier Imp	No surfacing, pavement details or railings 11/12
N	Auhroa Bridge – Guardrail Imp	1	292		9.5-9.85		Barrier Imp	No surfacing, pavement details or railings 11/12
Y	Mountain Road Passing Lane	1	319		3.9-4.4		Capital Works	Markings missing paint date, All pavement layers reconstructed no stab agents, retaining walls no constructed date 11/12
Y	Mountain Road Seal Widening	1	319		4.4-7		Capital Works	Markings missing paint date, All pavement layers reconstructed no stab agents 11/12
N	Ross Road New South Entrance Construction	1	336	increasing	0.05		Improvement works	Only drainage details in RAMM 07-05-12
P	Mangawhai Rest Area north Entrance Construction	1	336	increasing	3.1		Improvement works	No marking, Surfacing or pavement details 18-06-12
P	Te Hana Drainage Construction	1	336	increasing/d creasing	6.7		Improvement works	No surfacing, pavement details, structures or chanel 22-12-11
P	Matheson Road Pedestrian Refuge Construction	1	336		9.80		Improvement works	No surfacing, pavement details, structures or markings 26-06-12
Y	Hoteo Passing Lane Overslip Remediation	1	346	decreasing	6.3		Improvement works	23-01-12
Y	Dome valley Southern overslip remediation construction	1	346	decreasing	13.95		Improvement works	Drainage missing construction date 15-08-11
N/A	Realignment and Superelevation Correction at Grimmers Bridge	1	346		15.68		Minor works	Bridge details are not recorded in RAMM 10-02-12
N/A	Grimmers Bridge guardrail Remediation Construction	1	346	decreasing	15.68		Minor works	Bridge details are not recorded in RAMM 28-06-12
N	Wellsford Golf Course South Wide Centreline Construction	1	346	increasing/d creasing	2.10 - 2.45		Minor works	29-05-12
Y	Wellsford South Shoulder Widening Construction	1	346	increasing/d creasing	2.23 - 2.61		Minor works	Markings missing paint date, structures missing(not sure what structures for this site) 29-05-12
N	Wayby Valley North Wide Centreline Construction	1	346	increasing/d creasing	2.45 - 3.05		Minor works	29-05-12
P	Wayby Station Road Corner, Shoulder Widening Northbound Construction	1	346	decreasing	4.5		Improvement works	Markings missing paint date, missing channels and surfacing, structures missing(not sure what structures for this site) 05-10-11
P	Falls Bridge Upgrade Construction in Pavement Rehabilitaion	1	346	increasing/d creasing	4.6 - 7.7		Improvement works	No surfacing or pavement details, Markings missing paint date, 23-03-12
N/A	Falls Bridge Guardrail upgrade in Structural Component Replacement	1	346	decreasing	4.6 - 7.7		Improvement works	Bridge details are not recorded in RAMM 23-03-12
P	Waitaraire Bridge to Falls Bridge Shoulder Widening Construction	1	346	increasing	7.7 - 8.40		Improvement works	Markings missing paint date, missing channels, surfacing, pavement layer details, barriers and structures missing(not sure what structures for this site) 29-06-12
Y	Falls Bridge Signage Construction	1	346	increasing/d creasing	8.69		Improvement works	Sign install date missing 12-04-12
P	Warkworth Project Stage 1 & 2	1	363	increasing/d creasing	3.02		Capital works	Pavement layer details missing, drainage, retaining walls and barriers missing construction dates, markings missing paint date, street lights and signs missing install date 28-02-12
P	Valerie Close Northbound Shoulder widening	1	363	decreasing	5.85		Minor works	No structures, surface or pavement layer details, markings missing paint date 21-05-12
P	Entrance Remedial Works to No 1 Brown Road, Warkworth	1	363	increasing	2.66		Improvement works	No Surfacing or pavement layers, structures missing(not sure what structures for this site) 14-10-11
P	Remedial Works to inlet Manhole to culvert No 38	1	373		7.00		Minor works	Structures, pavement layers and channels missing 31-01-12
Y	T10:2011 Scrim Prioritised List and Construction for Site 2	1	373	increasing/d creasing	2.89 - 3.10		Improvement works	Markings missing paint date 29-05-12
Y	T10:2011 Scrim Prioritised List and Construction for Site 4	1	373	increasing/d creasing	3.34 - 3.50		Improvement works	Markings missing paint date 29-05-12
	Schedeweys Underslip Retaining wall	1	373	decreasing	3.9		Improvement works	09-08-11
Y	T10:2011 Scrim Prioritised List and Construction for Site 3	1	373	increasing/d creasing	3.90 - 4.10		Improvement works	Markings missing paint date 29-05-12
Y	T10:2011 Scrim Prioritised List and Construction for Site 1	1	373	increasing/d creasing	4.10 - 4.44		Improvement works	Markings missing paint date 25-05-12

In RAMM (Y/N/P)	Project Name	SH	RS	Dir	RP		Comments	Year
P	Pakaraka Throat Islands	10	0		0	Minor Works	No Surfacing details	11/12
P	Oromahoe Right Turn Bay	10	0		5-2.25	Minor Works	No Surfacing Details Pavement layer 5.0-5.2 widening 2009, drainage 2009, no Channels, markings no paint date	11/12
Y	Bulls Gorge	10	7		2.7-5.4	Capital Works		11/12
P	Rokes Hill Safety imp	10	33		13-13.2	Minor Works	No surfacing or pavement details	11/12
Y	Haruru Falls Passing Lane removal	11	14		5.5-5.75	Minor Works		11/12
Y	Lily Pond Bridge to Quarry Road Seal Widening	11	14		9.7-13.9	Capital Works	1st coat no source&missing required fields, historical surfacings need removed date. Pavement layer 100mm thickness, Full Width AP65 has been stab LIME 2% Reconstructed = "Undistrubed", markings no paint date	11/12
Y	Waitaheke to Ngawha Spring Road Wide Edgelines	12	0		2.32-6.22	Minor Works	No paint date	11/12
N	Mangatoa Curve 1 Safety imp	12	17		2.5-2.6	Minor Works		11/12
N	Mangatoa Part 2	12	17		2.6-2.8	Minor Works		11/12
N	Ruawai School	12	169		12.21-12.26	Minor Works	Markings updated 5/2012 no paint date	11/12
N	Beatty Stock Underpass	14	30		1.2-1.02	Minor Works		11/12
Y	Streetlight Project - Brigham Creek Road Huapai	16	19	increasing	0.63 - 6.72	Completed on time. Capital works		28-02-12
P	Taupaki Roundabout	16	19	increasing/d creasing	1.8-2.4	Completed on time. Capital works	Marking paint date missing, pavement layers and structures missing	28-02-12
P	Shoulder Widening North of Joyce Adams	16	19		1.5 9.5	Improvement works	No surfacing or pavement layer details, all assets missing construction dates.	02-08-11
U	Road Drainage Improvement, 127 - 133, Massey	16	19	decreasing	3.21 - 3.26	Improvement works	Unsure of location maybe SH16A?	14-10-11
Y	Access Road Line Marking	16	19		8.39 4.53	Improvement works	Markings paint date missing	09-01-12
N	Remedial Works to Culvert Manhole South of Woodhill School	16	37	increasing	0.5	Improvement works		10-02-12
N	Widening at Bridge 860	16	69	increasing/d creasing	3.91	Minor works		31-01-12
Y	Seal Widening at Bridge 769	16	69	increasing/d creasing	7.78	Improvement works	Surfacing and pavement with AWPT below 7.75-7.56, markings and channels missing	05-09-11
P	Widening at Culvert65 Construction	16	69	increasing/d creasing	11.27	Minor works	No surfacing and pavement layers, markings, retaining wall and channels missing	14-03-12
P	Drainage Upgrade at Entrance to No 2130 Construction	16	69		1.08	Improvement works	No Surfacing or channels, not sure what structures?	15-05-12
P	West Coast Road Drainage Construction	16	69		5.3	Improvement works	No surfacing or pavement layers, markings, structures and channels missing	22-12-11
Y	Widening north of Wainui Bridge in association with Area wide Treatment	16	69	increasing/d creasing	7.84 - 8.22	Improvement works	Marking and channels missing	21-09-11
Y	Construction of Guardrail opposite J Farmer Road	16	82	decreasing	7.27	Improvement works	Construction date missing	24-04-12
Y	Ryburn Pavement Rehabilitaion Construction	16	82	increasing	6.5	Improvement works	Markings no paint date, no sw_channels updated	24-04-12
Y	Ryburn Subsoil Installation Construction	16	82	increasing/d creasing	6.50	Improvement works		24-04-12
P	Cleasby Hill Improvements Construction	16	92	increasing	4.28	Improvement works	No surfacing , pavement layers or markings	15-03-12
P	Tauhoa Seal Widening Construction	16	92	increasing	0.0	Improvement works	No surfacing, pavement layers, markings or sw_channels	24-04-12
P	Erosion protection North of Tauhoa Bridge	16	92	increasing	0.05	Improvement works	No Surfacing, pavement layers or sw_channels	09-08-11
N/A	T10:2011 Scrim Prioritised List and Watercut for 8 sites	1,16		increasing/d creasing	varies	Improvement works		22-06-12
N	Wynyard St Moerewa - Provision of Throat islands	1	198		6.85	Minor Works		12/13
N	McLeods Flat - Guardrail	1	245		6.5-7.1	Minor Works	No Surfacing or Pavement Details	12/13
P	Central Ave 4-Laning	1	258		6.5-7.0	Capital Works	Pavement layer data missing, 6.6-7.0 Surfacing only, Date painted missing, poles not updated.	12/13
N	Culvert 2878 Guardrail	1	273		14.65-14.85	Minor Works		12/13
P	Te Hana Cross Culvert and Tomo Remediation Construction	1	336	increasing/d creasing	6.30	Improvement works	No structures or chanel	29-11-12
P	Te Hana Shoulder Scour Reduced Remediation Construction	1	336	increasing/d creasing	6.30	Improvement works	No structures or chanel	24-01-13
P	Worker Road Right Turn Ban Construction	1	336		10.21	Improvement works	Markings missing paint date, no surfacing or pavement layer details	14-11-12
N	Hoteo Slips Remediation Construction	1	346	increasing	5.40	Improvement works		29-11-12
P	Culvert 28 Minor Safety Works Construction	1	346	increasing	6.51	Minor works	Drainage missing construction date	24-01-13
P	Culvert 29 minor Safety Works Construction	1	346	increasing	6.65	Minor works	Drainage missing construction date	24-01-13
Y	Dome valley South Side Underslip Retaining wall Construction	1	346	increasing	13.55	Improvement works		25-09-12
N	Waitaraire Bridge to Falls Bridge Section 4 Construction	1	346	increasing	8.05 - 8.20	Minor works		28-02-13
N	Waitaraire Bridge to Falls Bridge Section 5 Construction	1	346	increasing	8.20 - 8.35	Minor works		28-02-13
N	Construction of Pavement Repair on Southbound Carriageway North of Titfords Bridge	1	373	increasing	9.3 - 9.5	Improvement works		19-10-12
N	Pavement Repair on Northbound carriageway North of Billing Road	1	373	decreasing	9.30 - 9.50	Improvement works		24-01-13
N	Te Ahuahu Road - Right turn bay	10	7		0.21-0.41	Minor Works		12/13
N	Puketotara Road - Right Turn Bay	10	17		1.3-1.6	Minor Works		12/13
N	Unuhia Bridge provision of Guardrail	10	48		9.8-10.09	Barrier Imp		12/13
Y	Church Road - Barrier Installation	10	95		4.95-5.35	Minor Works	Pavement Layer reconstructed no stab agent - Source "UNKNOWN"	12/13
N	Kareponia Bridge Guardrail Imp	10	95		8-8.2	Barrier Imp		12/13
P	Opposite Waihotu Road - Guardrail	12	46		11.87-12.016	Minor Works	Widening details in RAMM , no Barriers, signs or channels	12/13
P	Kaihu Hill guardrail renewal	12	106		14.743	Barrier Imp	12.2-14.7 Rehab pave layer missing stab agent, full width? Barrier -define "other" in comments field	12/13
N	Wade Stock Underpass	12	132		14	Minor Works		12/13
P	Oteria Culvert - provision of guardrail	14	30		8.77-8.79	Barrier Imp	Pavement layers incorrect, historical surfacings need removed date	12/13
P	Ounuwhao Curve Guardrail	14	44		4.5-4.8	Minor Works	No surfacing or pavement layer info	12/13
Y	Brigham Creek Chevron Upgrade Construction	16	19		0.0	Improvement works	No ITS Assets	21-08-12
Y	Relocation of Street Light at No 326 Main Road, Huapai, Construction	16	19		9.70 5.6	Improvement works		03-09-12
N	Rimmer Road Drainage Construction	16	37		7.57	Improvement works		15-02-13

In RAMM (Y/N/P)	Project Name	SH	RS	Dir	RP		Comments	Year
N	Waimauku Speed Signs Construction	16	37		9.90	Improvement works		29-11-12
N	Helesville Pedestrian Construction	16	47		1.75	Improvement works		14.11.12
N	Punganui Bridge Revised Remedial Works Construction	16	47	increasing/decreasing	8.76	Improvement works		15-11-12
N	Araparera Bridge Guardrail Extension Construction	16	69	increasing	5.75	Improvement works		01-03-13
N/A	Wainui Bridge Construction	16	69	increasing/decreasing	7.013	Improvement works	Bridge details are not recorded in RAMM	22-01-13
N	Seal widening Construction at Bridge 874(Cantleys Culvert)	16	82	increasing/decreasing	5.35	Improvement works		05-03-13
Y	Additional SCRIM Prioritisation 2011-12 and 2012 - 13 for sealed road resurfacing	1,16		increasing/decreasing	varies	Improvement works	6 sites 11/1216 sites 12/13	26-02-13

DATABASE HEALTH INDEX - REGIONAL AVERAGES

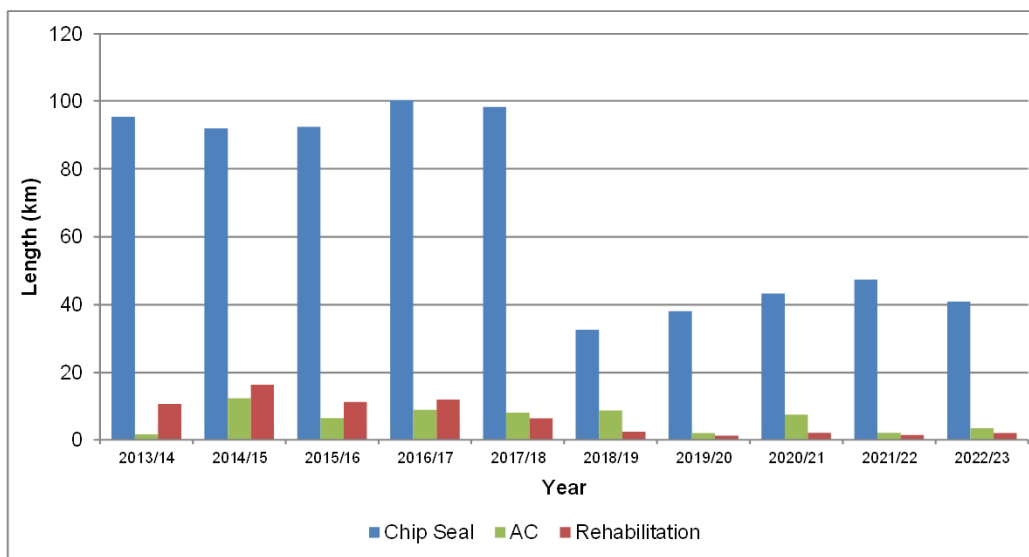
Area: NORTHLAND
Date: 21/10/2013

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	15	7	4	6	6
	West Waikato	4	-	2	2	3	
	East Waikato	4	-	4	5	4	
	BOP West	3	-	4	9	8	
	Northland	0	15	15	-	7	
Culverts (Rural) (no. per km)	Regional Average for route type	5	9	9	8	11	9
	West Waikato	3	-	6	9	8	
	East Waikato	7	-	7	8	11	
	BOP West	9	-	8	6	11	
	Northland	9	9	14	-	11	
Catchpit (Urban) (no. per km)	Regional Average for route type	12	12	16	14	11	12
	West Waikato	13	-	9	16	8	
	East Waikato	6	-	21	14	7	
	BOP West	9	-	16	0	0	
	Northland	14	12	19	-	12	
Manholes (urban) (no. per km)	Regional Average for route type	2	6	0	1	2	2
	West Waikato	1	-	1	0	0	
	East Waikato	0	-	0	1	1	
	BOP West	0	-	0	0	0	
	Northland	21	6	0	-	3	
Subsoil Drain (Rural) (m per km)	Regional Average for route type	49	244	46	9	66	61
	West Waikato	50	-	0	23	0	
	East Waikato	0	-	0	1	1	
	BOP West	159	-	0	0	0	
	Northland	218	244	205	-	90	
Surfaced SWC (Urban) (m per km)	Regional Average for route type	1486	1193	1744	1262	1018	1246
	West Waikato	1551	-	1317	1411	808	
	East Waikato	745	-	1538	1224	914	
	BOP West	718	-	1427	0	0	
	Northland	1193	1193	2464	-	1078	
Earth SWC (Rural) (m per km)	Regional Average for route type	466	1042	966	1299	1191	1075
	West Waikato	329	-	21	1269	1606	
	East Waikato	1307	-	1174	1379	1200	
	BOP West	830	-	1160	642	1362	
	Northland	516	1042	714	-	1143	
Signs (no. per km)	Regional Average for route type	17	22	21	18	15	17
	West Waikato	15	-	28	20	13	
	East Waikato	12	-	21	17	18	
	BOP West	22	-	23	12	10	
	Northland	31	22	19	-	15	
Streetlights (no. per km)	Regional Average for route type	8	4	4	3	2	3
	West Waikato	10	-	8	4	4	
	East Waikato	2	-	4	3	2	
	BOP West	0	-	0	0	1	
	Northland	6	4	5	-	2	

DATABASE HEALTH INDEX DASHBOARD - REPORTS

Area: NORTHLAND
Date: 21/10/2013

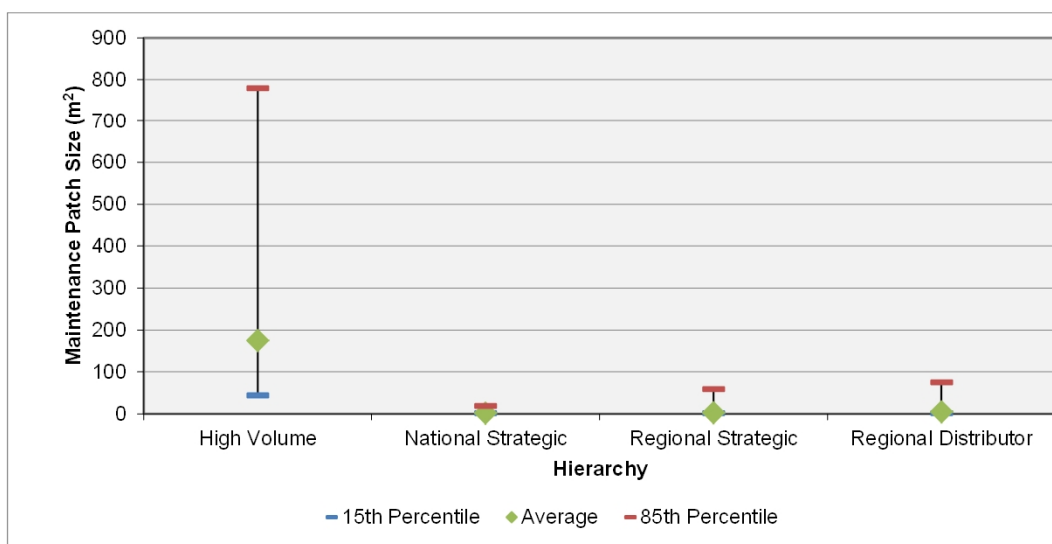
Breakdown of 10 Year FWP by Treatment Type



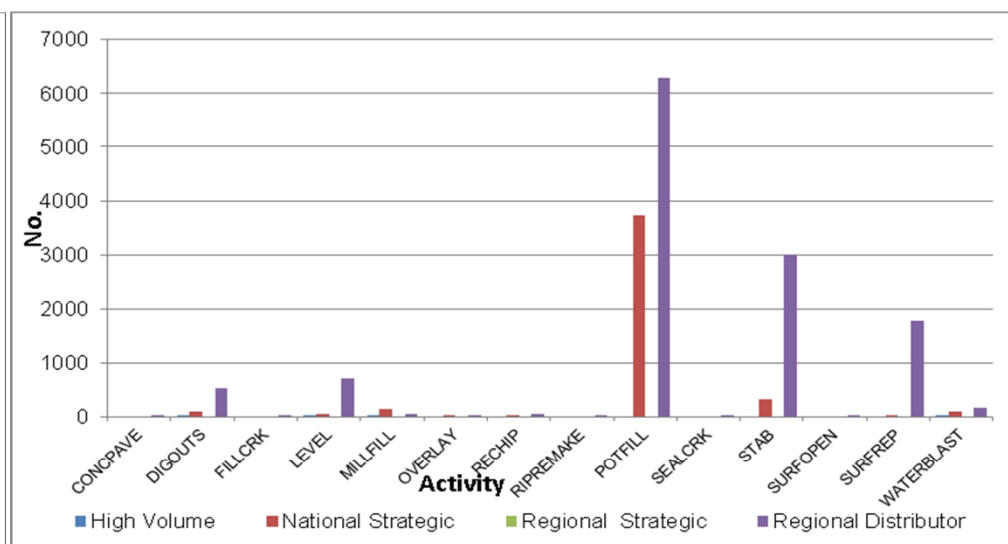
Signalised Intersections in RAMM

Road Name	No.
01N-0266	3
01N-0363	15
016-0019/04.01	6
014-0000	1
Total	25

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	34
Advance direction (Stack) - "T" intersection	13
Feature "____"m ON left/right	1
Feature TURN left/right "____"m	5
Intersection Direction - "T"	32
TOURIST DRIVE TURN side "____"m	1
Advance direction (Map) - Roundabout	10
Advance direction (Stack) - Cross roads	11
Advance direction (Stack) - Skew intersection	8
Advanced lane direction [Arrow]	1
Chevron Board - Advisory speed 55km/h	1
Confirmation Destination	48
Department of Conservation	2
Intersection Direction	6
Intersection Direction - with route marker	1
Intersection Direction [Arrow]	5
Major tourist attractions - special information	20
Place Name	2
Position sign - Two line description with chevron	4
Speed Limit 60km/h with PN-1	4
Speed Limit 70km/h with PN-1	6
Speed Limit 80km/h	2
Speed Limit 80km/h with PN-1	6
Threshold Sign - Place Name + Speed Limit	30
Warning (Miscellaneous Sign) - User defined	30
Warning (Miscellaneous Sign) - User defined	12
Total	295

End Treatments in RAMM

End Treatment Type	No.
Armorflex X 350	538
Breakaway Cable Terminal Unit	303
Breakaway Cable Terminal (Bull Nose)	175
Bridge Plate/Bridge Connector	195
Buried in Back Slope	39
Cable Safety System - CSP	6
Cable end	9
Eccentric Loader Terminal (Round drum type)	0
ET2000	99
Fishtail/Butterfly end	12
Fleat 350	334
M23 Compliant	4
Not Applicable	282
Regent	8
SKT 350	17
Steel Wire Rope End Anchor Block	9
Terminal end	18
Texas Twist	39
Trailing End Anchor Units	5
Total	2092

DATABASE HEALTH INDEX DASHBOARD - REPORTS

Area: NORTHLAND

Date: 21/10/2013

Breakdown of road markings by type	Weigh Stations
---	-----------------------

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	6491
Long Life Flat	423508
Long Life Profile	183662
Paint	1960428
Raised Pavement Marker	891456
Reflectorised Paint	194037
Thermoplastic Audible	94084

Road Name	Location	Side
012-0017	43	R
012-0132	8490	L
012-0153	7587	R
012-0202	18484	L
014-0000	10248	L
014-0044	10731	R
016-0019/06.72	15260	R
01N-0104	11148	L
01N-0104	907	L
01N-0198	3142	L
01N-0215	2866	R
01N-0245	6283	R
01N-0258/05.36-l	6084	L
01N-0292	5320	L
Total		14

Footpath and CycleWays	Gantries
-------------------------------	-----------------

None

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, 3VSS) 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, type includes (SJ and BP)	RAMM signs, sign_to_post_join, sign_post	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