## **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: Date: MARLBOROUGH 26/07/2013

					Expected		Expected	
	Category	Measures	Result	Measure	Value	Category	Value	
	Capital Draigata	Major capital projects completed v RAMM (in last 6 -30 months)	see	attached re	port			
	Capital Projects	Minor capital or safety improvement projects v RAMM (in last 6 -30 months)	see	attached re	port	-	-	
		% of Network surfaced in RAMM over previous 4 – 15 months	9.2%	Grade 1	Grade 1			
		% Surfaces at least 50% older than expected age	0.0%	Grade 1	Grade 2		81	
	Surfacing	% of Network with no surfacing	0.0%	Grade 1	Grade 1	99		
		Illogical Records inc. % (SAC with chipseal. Low and high widths. Alignment of traffic volumes v pavement use)	1.5%	Grade 1	Grade 1			
ntor		Proportion of Network with layer Information	100.0%	Grade 1	Grado 3			
nve	Pavement Laver	New layer length in previous 6 – 30 months	3 1%	Grade 2	Grade 2	80	77	
set	r avement Layer	Illogical records (Payament Layers y Incorrect Surfacing)	0.0%	Grade 1	Grade 1	03		
ly Ass	Deed Marking		0.0 %	Gidue i	Glade I			
(ewe	Road Marking	Breakdown of road markings by type	see	allached re		-	-	
Carriag€		Proportion of very short (< 20m) 1 Ls	1.0%	Grade 1	Grade 1			
	Treatment Length	Proportion of very long (> 2000m) TLs	2.1%	Grade 1	Grade 1	93	83	
		Proportion of TLs with < 80% coverage of major surfacing	10.6%	Grade 2	Grade 1			
		% updated in last 5 years	100.0%	Grade 1	Grade 3			
		Date FWP last updated	9/07/2013	-	-			
	Forward Works	Proportion of network identified for treatment in next ten years (from FWP)	122.2%	Grade 1	Grade 2	100	90	
	Programme	FWP v surfacings (% surfacings in last year conflicting with first 2 years of FWP excluding 2nd coats)	0.1%	Grade 1	Grade 1	100	50	
		Evidence of active MIS strategy, reasons for treatments listed and detailed	100.0%	Grade 1	Grade 1			
	Carriageway Rating	Percentage rated in last year	99.2%	Grade 1	Grade 1	99	90	
		% network meeting standards for roughness, rutting and texture (Roads surveyed in last year)	99.9%	Grade 1	Grade 1			
	High Speed Data	% network meeting standards for FWD (Roads surveyed in last 5years)	3.7%	Grade 5	Grade 1	68	90	
	riigii opood Data	% network meeting standards for SCRIM (Roads surveyed in last year)	100.0%	Grade 1	Grade 1	00	00	
	Maintenance	Items per km for BA and SLL cost groups in providus 4 15 months y Begional Average	100.0%	Grade 1	Grade 2			
g		Canad of leastion is maximum 4. 45 mention leasted at corrigonau start)	100.0%	Grade 1	Grade 2			
l Da		Spread of location in previous 4 - 15 months (proportion located at carnageway start)	1.0%	Grade	Grade 2			
cted	Activity	Distribution of maintenance patch sizes by Hierarchy	ance patch sizes by Hierarchy see attached report					
olle		Breakdown of Maintenance Cost Activities	see	attached re	port	- 99	83	
U		% of Maintenance Activity where fault type is "Unknown"	1.0%	Grade 1	Grade 1			
	Miscellaneous	No. of test pits with layer data recorded	1	no.	-			
		No. of LTPP sites recorded in RAMM	6	no.	-			
	Traffic Count	Latest ADT Counts	31/12/2012	-	-			
		Latest ADT Estimates	31/12/2011	-	-	94	70	
		% loading estimate (i.e. not default)	93.5%	Grade 1	Grade 2			
		No. of Pavement Type "Bridge" v No. of Bridges > 50m in length in BDS	10.0%	Grade 5	Grade 1			
		No. Large Culverts v No. BDS	92.9%	Grade 1	Grade 2		85	
	0	Retaining Walls	91	no.	-	50		
	Structures	Gantries (see attached report for locations)	0	no.	-	52		
		Barriers in RAMM (m)	23533	m	-			
		End Treatments in RAMM	see	attached re	port			
		Culverts per km v Regional Average (Rural)	100.0%	Grade 1	Grade 2			
		Catchpits per km v Regional Average (Urban)	40.0%	Grade 3	Grade 2			
	Drainage	Manholes per km v Regional Average (Urban)	0.0%	NA	-	55	80	
	Drainago		79.0%	Grada 2	Grada 2	00	00	
≥		$\frac{2}{2}$ of Drainage (Construction Date in provious 4 – 15 months)	0.10/	Grade 4	Grade 2			
ento		Surfaced SWC per km v Regional Average (Urban)	72 00/	Grade 2	Grade 2			
٩	Surface Water	Earth SW/C par km v Regional Average (Pural)	13.0%	Grade 2	Grade 2	10	77	
sset	Channels		00.8%	Grade 3		48	11	
y A		Search Swo renewal activity (Construction Date in previous 4 – 27 months)	0.3%	Grade 4	Grade 2			
Jewa		Signs per km v Regional Average	94.6%	Grade 1	Grade 2			
riag		Large Signs >4.0m <sup>2</sup> (see attached report for quantity by type)	57	no.	-			
Ċar	Signs		4	no.	-	67	78	
Non		% of Signs with renewal date in last 4 - 15 months	2.6%	Grade 3	Grade 2			
		No. Frangible bases in RAMM	0	no.	-			
		Streetlights per km v Regional Average	0.0%	Grade 5	Grade 2			
		Frangible Base type no.	0	no.	-			
	Streetlights	Shear Base type no.	0	no.	-	33	82	
		% 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 &	Total length of Footpath and Cycleways (see attached tables for listings)	see	attached re	port	-	-	
	Cycleways Signal Controlled	Signal Controlled Intersections (see attached report for locations)	0	no.	-	-		
		Number of rest areas	<u> </u>					
			0	110.	-	-	-	
	weigh Stations	inumber of vieign Stations (see attached report for locations)	0	no.	-	-	-	





# **DATABASE HEALTH INDEX DASHBOARD - PROJECTS**

Area: MARLBOROUGH

Date: 26/07/2013

### Projects data completed v RAMM (in last 6 -30 months)

(Y/N/P)	Project Name	SH	RS	Dir	RP	Comments	Year
V	SH1 Blenheim Threshold	016	0018	Deth	0007	Surfacing and Marking Missing	2012
	Tetly Brook Bridge Gaurdrail	015	0010	Both	0		2013
IN		015	0057	DOIN	0		2013
D	Renwick Threshold North	000	0010	Deth	475	Carriageway, Payement Layer, Surfacing and Markings Missing	2012
Р D	Renwick Threshold South	006	0010	Both	2610	Carriageway, Pavement Layer, Surfacing and Markings Missing	2013
	SH6 Repwick ADS Sign	000	0010	Docrossing	2010	Carriageway, Favement Layer, Curracing and Markings Missing	2013
	Weetwood Boundabout	000	0000	Both	2700-3000	Only Pavement and Surfacing updated	2013
г N	Sneiders Creek Realignment	000	0000	Both	2700-3000 6850-7600		2012
N	SH 62 Wratts To SH1 Widening	0062	0000	Both	1000-5580		2011
IN IN		0002		Dom	1000-3300		2011
						Surfacing date incorrect - should be after pavement layer dates - layers	
				L .		incorrect dates AP40 should be after AP65. No need to split <50m	
Y	Elavation Seal Widening	015	0000	Decreasing	2269-2630	layers should be combined with previous section with average width.	2010
P	Main St Improvements	01S	0028	Both	1410-1555	Barriers Missing, Marking condition date Missing.	2010
P		006	0000	Decreasing	9460	Retaining wall missing, marking painted date, condition date missing	2010
Y	Brown River Curve Upgrade	006	0065	Both	5260-5472	Railing constructed date missing	2010
N	Dashwood Safety Improvements	01S	0043	Decreasing	3160-3500		2010
Y	Para ATP Markings	01S	0000	В	13340-13590	RHS Only	2009
Y	Welds Pass ATP	01S	0028	В	12225-14538		2009
Р	Jacksons Road Intersection Upgrade	006	0000	Increasing	6720-6960	Surfacing 12/2010? marking painted date, condition date missing	2009
							_
							_
				_			





# **DATABASE HEALTH INDEX DASHBOARD - REPORTS**

MARLBOROUGH Area:

Date: 26/07/2013



Distribution of maintenance patch sizes by Hierarchy

Breakdown of Maintenance Cost Activities last 3 years



#### Large Signs >4.0m<sup>2</sup>

Sign Type		No.
Advance direction (Map) - "T" or cross roads	1	
Advance direction (Stack) - "T" intersection	3	
Intersection Direction - "T"	7	
Advance direction (Map) - Roundabout	7	
Advance direction (Stack) - Cross roads	11	
Advanced lane direction [Message]		3
Confirmation Destination		11
Intersection Direction		2
Place Name		3
Side Road Junction - Controlled		1
Speed Limit 70km/h with PN-1		2
Threshold Sign - Place Name + Speed Limit		5
Warning (Miscellaneous Sign) - User defined		1
	Total	57

## End Treatment Type No. Not Applicable Bridge Plate/Bridge Connector Fishtail/Butterfly end Breakaway Cable Terminal (Bull Nose Brifen Terminal Fleat 350 ET2000 Armorflex X 350 Buried in Back Slope

4

21 2

128

2 4

86

62

3 20

2 334

MELT(Similar to BCT)		
	Total	

Regent

Please note that NZTA does not require recording of standard centerline and edgeline lengths and None therefore these quantities may not include some or all of these items

Marking Material	length (m)
Reflectorised Paint	3708
Cold Applied Plastic	7365
Paint	150742
(blank/null)	76973
Thermoplastic - cold	4876

Footpath and Cycle Ways	Gantries
None	None





# **DATABASE HEALTH INDEX - REGIONAL AVERAGES**

# Area:MARLBOROUGHDate:26/07/2013

### Regional Averages

AsetRegionalRegional Average for route type235184Mandtonanco CastonMARLBORQUGH-62-43Martenance Track Type123443aufacing fault parameter and track type11443The CANTERBURY234433Colso TA CONTAGO-471444The CANTERBURY144444The CANTERBURY144444The CANTERBURY144444The CANTERBURY165266Construct Track Type9083346Construct Track Type90810796Construct Type91081079610<			Hierarchy						
Maintenance Costs Markues of the second and surfacing faults parking (inc. of parvement and surfacing faults parking) Page of routs type (inc. of parvement and STH CANTERBURY) 2 3 5 1 3   Culcoting faults parking (inc. of parvement and surfacing faults parking) STH CANTERBURY 2 3 4 4 3   Culcoting (faults (inc. parking) STH CANTERBURY 2 3 4 4 3   Culcoting (faults) (inc. parking) Regional Average for routs type (inc. parking) 1 4 4 4 4   Catchipt (Urbain (inc. parking) Regional Average for routs type STH CANTERBURY - 6 5 2 6   Manholes (urban) (inc. parking) STH CANTERBURY - 100 - 8 9   Manholes (urban) (inc. parking) STH CANTERBURY 9 8 5 13 4   Coastral. DTAGO - 13 11 2 8   Manholes (urban) (inc. parking) STH CANTERBURY - 00 0 0 0   Subsoli Drain (Rivan) (in perkin) Regional Average for	Asset	Region	High Volume	National Strategic	Regional Strategic	Regional Connector	Regional Distributor	Regional Average	
Maintenance Coats (no. of pavement and outdoing load		Regional Average for route type	2	3	5	1	3		
no. of parametric and surfacing faults perksTH CANTERBURY NTH CANTERBURY.23443Surfacing faults perks (no. par km)COASTAL OTAGO44713Colorer (Rund) (no. par km)COASTAL OTAGO-4444445MAREDROUGH (no. par km)MAREDROUGH-44-444444MAREDROUGH (no. par km)NTH CANTERBURY-44-444444CoASTAL OTAGO-652666	Maintonanco Costs		-	5	2	<u> </u>	4	-	
Surfacing faults perform THC CANTERBURY 2 3 4 4 3   Culvers (Runal) (no. per km) THC CANTERBURY - 4 4 4 5   Regional Average for route type 1 4 4 4 5   MARLEOROUGH - 4 4 4 5   STH CANTERBURY 1 3 3 5 4   Cohstral, OTAGO - 6 6 5 2 6   Constral, OTAGO - 6 6 4 - 0 0   Constral, OTAGO - 6 6 4 - 0	(no. of pavement and	STH CANTERBURY	-	2	-	1	1	3	
CoASTAL OTAGO - 4 7 1 3   Culvers (Rum) (no. per km) MARLBOROUGH - 4 4 4 5   MARLBOROUGH - 4 4 - 3 4   (no. per km) NTH CANTERBURY 1 1 3 3 5 6   Catchpit (Urban) (no. per km) NTH CANTERBURY 1 1 3 3 5 6   Stric CARTERBURY - 6 4 - 0 7   MarkBOROUCH - 6 4 - 0 7   Stric CARTERBURY 9 8 5 13 4 7   Marbiols (urban) (no. per km) MARLBOROUGH - 0 <t< td=""><td>surfacing faults perkm)</td><td>NTH CANTERBURY</td><td>2</td><td>3</td><td>4</td><td>4</td><td>3</td><td>-</td></t<>	surfacing faults perkm)	NTH CANTERBURY	2	3	4	4	3	-	
Regional Average for route type 1 4 4 4 4 5   Culvers (Rual) (no. por km) STH CANTERBURY - 4 4 - 3   Construction STH CANTERBURY - 4 4 - 3   Construction STH CANTERBURY 1 3 3 5 4   Construction Construction - 6 4 - 0   MarkleGOROUGH - 6 4 - 0 7   MarkleGOROUGH - 10 - 8 9 9   MarkleGROUGH - 13 11 2 8 9 9   Markleds (urban) (no. per km) MARLEGROUGH - 0 0 - 0 </td <td></td> <td></td> <td>-</td> <td>4</td> <td>7</td> <td>1</td> <td>3</td> <td colspan="2"></td>			-	4	7	1	3		
Culverts (Runa) (no. per km) MARLBOROUGH Loss of the second second second seco		Regional Average for route type	1	4	4	4	5		
Cubers (Rural) (no. park km) STH CANTERBURY (no. park km) <th< td=""><td></td><td>MARLBOROUGH</td><td>-</td><td>4</td><td>4</td><td>-</td><td>3</td></th<>		MARLBOROUGH	-	4	4	-	3		
International (no. per km) NTH CANTERBURY 1 3 3 5 44   Coastal OTAGO  6 5 2 6   Castal OTAGO  6 5 2 6   Regional Average for route type 9 10 8 10 7   MARLBOROUGH  10  8 9   The CANTERBURY 9 8 5 13 4   OASTAL OTAGO  10 0 0 0 0   Manholes (urban) (mo. per km) STH CANTERBURY 0 </td <td>Culverts (Rural)</td> <td>STH CANTERBURY</td> <td>-</td> <td>4</td> <td>-</td> <td>4</td> <td>4</td> <td>4</td>	Culverts (Rural)	STH CANTERBURY	-	4	-	4	4	4	
CoASTAL OTAGO6.65.2.26.Catchyli (Whan (no. per km)Mark BOROUGH6.407.MARL BOROUGH6.640MARL BOROUGH108.9.9.TH CANTERBURY98.5.13.4.COASTAL OTAGO13.11.2.8.Manholes (unban) (no. per km)MARLEBOROUGH0.0.0.0.Mark BOROUGH0.01.0.0.0Subsol Drain (Rural (mp er km)Mark BOROUGH0.00.0.0.Mark BOROUGH0.00.00.0.0.0.Subsol Drain (Rural (mp er km)Mark BOROUGH103.2.93.Subsol Drain (Rural (mp er km)Average for route type58.8812.27.Mark BOROUGH103.2.93.4.Surfaced SWC (Uhan (mp er km)Mark BOROUGH105.136.146.Mark BOROUGH1164.14630.01270Surfaced SWC (Uhan (mp er km)Mark BOROUGH166.143.7488.Mark BOROUGH166.143.74.64.111.Mark BOROUGH164.6113.6146.7113.5Mark BOROUGH	(no. per km)	NTH CANTERBURY	1	3	3	5	4	-	
Regional Average for route type 9 10 8 10 7   MARLBOROUGH - 6 4 - 0   Strice ANTERBURY - 6 4 - 0   March Construction 9 8 5 13 4   Construction 9 8 5 13 4   Construction 0 0 0 0 0 0   Mancholes (urban) (no. per km) Regional Average for route type 0 <td></td> <td>COASTAL OTAGO</td> <td>-</td> <td>6</td> <td>5</td> <td>2</td> <td>6</td> <td>-</td>		COASTAL OTAGO	-	6	5	2	6	-	
Catchpit (Uban) (no. par km) MARLBORQUGH SHI CANTERBURY - 6 4 - 0 9   Markborner SHI CANTERBURY - 10 - 8 9 9   Markborner SHI CANTERBURY 9 8 5 13 4   COASTAL OTAGO - 13 11 2 8   Markborner StrickAnterBury 0 0 0 0 0   Markborner Markborner - 0		Regional Average for route type	9	10	8	10	7		
Catchpit (Uban) (no, per km) STH CANTERBURY - 10 - 8 9 9   Manholes (urban) (no, per km) NTH CANTERBURY 9 8 5 13 4   Manholes (urban) (no, per km) Regional Average for route type MARLBOROUGH 0		MARLBOROUGH	-	6	4	-	0	-	
(no. per km) NTH CANTERBURY 9 8 5 13 4   COASTAL CTAGO - 13 11 2 8   Manholes (urban) (no. per km) Regional Average for route type 0 0 0 0 0 0   Manholes (urban) (no. per km) SH CANTERBURY 0 0 1 0 0 0 0   Subsoil Drain (Rura) (m per km) Regional Average for route type - 58 88 12 27   MARLBOROUGH - 103 29 - 3 4   Subsoil Drain (Rura) (m per km) Regional Average for route type - 37 - 7 2 42   Surfaced SWC (Urban) (m per km) Regional Average for route type 136 138 1140 1402 1060   Surfaced SWC (Urban) (m per km) Regional Average for route type 1316 1033 - 1469 1556   Surfaced SWC (Urban) (m per km) RARLBOROUGH - 1164 1463 - 0 <t< td=""><td>Catchpit (Urban)</td><td>STH CANTERBURY</td><td>-</td><td>10</td><td>-</td><td>8</td><td>9</td><td>9</td></t<>	Catchpit (Urban)	STH CANTERBURY	-	10	-	8	9	9	
COASTAL OTAGO - 13 11 2 8   Manholes (urban) (no. per km) Regional Average for route type 0	(no. per km)	NTH CANTERBURY	9	8	5	13	4	-	
Regional Average for route type 0 <t< td=""><td></td><td>COASTAL OTAGO</td><td>-</td><td>13</td><td>11</td><td>2</td><td>8</td><td>-</td></t<>		COASTAL OTAGO	-	13	11	2	8	-	
Manholes (utban) (no. per km) MARLBOROUGH - 0 0 - 0   Sthe CANTERBURY - 0		Regional Average for route type	0	0	0	0	0		
Manholes (urban) (no. per km) STH CANTERBURY NTH CANTERBURY - 0 - 0 0 0   Subsoil Drain (Rual (m per km) Regional Average for route type - 58 88 12 27   MARLBOROUGH - 103 29 - 3 42   Subsoil Drain (Rual (m per km) MARLBOROUGH - 103 29 - 3   TH CANTERBURY - 32 12 32 21 42   CoASTAL OTAGO - 106 196 2 46 42   Surfaced SWC (Urban (m per km) Regional Average for route type 1316 1358 1140 1402 1060   Surfaced SWC (Urban (m per km) Regional Average for route type 549 1130 1081 673 1353   Earth SWC (Rural) (m per km) Regional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 1453 1185 352 1607   MARLBOROUGH - 155		MARLBOROUGH	-	0	0		0	0	
Introduction NTH CANTERBURY COASTAL OTAGO 0 1 0 0   Subsoil Drain (Ruan (m per km) Regional Average for route type - 58 88 12 27   Subsoil Drain (Ruan (m per km) MARLBOROUGH - 30 29 - 33   Sth CANTERBURY - 37 - 7 2 42   CoASTAL OTAGO - 106 196 2 46   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1164 1463 - 0   MARLBOROUGH - 1166 1358 1140 1402 1060   MARLBOROUGH - 1163 1039 554 1487 488   COASTAL OTAGO - 1865 1437 428 1025   MARLBOROUGH - 747 783 - 636   Sth CANTERBURY 549 809 1156 992 1002   MARLBOROUGH - 1453 1185 352 1	Manholes (urban)	STH CANTERBURY	-	0	-	0	0		
COASTAL OTAGO  0 0 0 0 0   Subsoil Drain (Rural) (m per km) Regional Average for route type  58 88 12 27   Subsoil Drain (Rural) (m per km) MRLBOROUGH  37 - 7 2 42   Surfaced SWC (Urban) (m per km) Regional Average for route type 1316 1388 1140 1402 1060   Surfaced SWC (Urban) (m per km) MARLBOROUGH  1164 1463  0   Surfaced SWC (Urban) (m per km) MARLBOROUGH  1603  1469 1556   Surfaced SWC (Urban) (m per km) MARLBOROUGH  1603  1469 1556   NTH CANTERBURY 1316 1039 554 1487 488 1025   COASTAL OTAGO  1695 1437 428 1025 1170   Brain SWC (Rural) (m per km) Regional Average for route type 549 809 1186 352 1607   OASTAL OTAGO	(no. per km)	NTH CANTERBURY	0	0	1	0	0	-	
Subsoil Drain (Rural) (m per km) Regional Average for route type - 58 88 12 27   Subsoil Drain (Rural) (m per km) MARLBOROUGH - 103 29 - 33   Surfaced SWC (Urban (m per km) TH CANTERBURY - 37 - 7 2   Surfaced SWC (Urban (m per km) Regional Average for route type 1316 1358 1140 1402 1060   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1164 1463 - 0   Strift CANTERBURY - 1603 - 1469 1556 1270   Earth SWC (Rural) (m per km) Regional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 747 783 - 636 1119   MarkLBOROUGH - 1453 1185 352 1607   COASTAL OTAGO - 1453 1185 352 1607   Signs (no. per km) Regional Average for route type 18 13<		COASTAL OTAGO	-	0	0	0	0		
Subsoil Drain (Rural) (m per km) MARLBOROUGH - 103 29 - 3   Subsoil Drain (Rural) (m per km) SH CANTERBURY - 37 - 7 2   NTH CANTERBURY - 37 - 7 2 21   CookSTAL CTAGO - 106 196 2 46   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1164 1463 - 00   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1164 1463 - 0   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1169 1437 448 1270   Earth SWC (Rural) (m per km) Regional Average for route type 549 1130 1081 673 1353   Sth CANTERBURY - 1645 1437 428 1002 119   MARLBOROUGH - 747 783 - 6644 1470   MARLBOROUGH - 11645 1135 132 1607 119		Regional Average for route type	-	58	88	12	27	-	
Subsoil Drain (Rural (m per km) STH CANTERBURY - 37 - 7 2 42   NTH CANTERBURY - 32 12 32 21 32 21   COASTAL OTAGO - 106 196 2 46 46   Surfaced SWC (Urban (m per km) MARLBOROUGH - 1164 1463 - 0   Sth CANTERBURY - 1603 - 1469 1556 1270   TH CANTERBURY 1316 1039 554 1487 488 1025   COASTAL OTAGO - 1603 - 644 1025   MARLBOROUGH - 747 783 - 636   MARLBOROUGH - 747 783 - 636   Sth CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   Stireattights (no. per km) MARLBOROUGH - 15 13		MARLBOROUGH	-	103	29	-	3		
Imper km NTH CANTERBURY . 32 12 32 21   COASTAL OTAGO . 106 196 2 46   Surfaced SWC (Urban) (m per km) Regional Average for route type 1316 1358 1140 1402 1060   Surfaced SWC (Urban) (m per km) MARLBOROUGH . 1164 1463 . 0   Surfaced SWC (Urban) (m per km) MARLBOROUGH . 11603  1469 1556   Surfaced SWC (Urban) (m per km) MARLBOROUGH . 1603  1469 1556   MARLBOROUGH . 1603 1.4 1487 488 1205   COASTAL OTAGO  1695 1437 428 1025 1270   MARLBOROUGH  747 783  636 1119 1119   MARLBOROUGH  1453 1185 352 1607 1119   MARLBOROUGH  115 13  7 14	Subsoil Drain (Rural)	STH CANTERBURY	-	37	-	7	2	42	
COASTAL OTAGO - 106 196 2 46   Surfaced SWC (Urban) (m per km) Regional Average for route type 1316 1358 1140 1402 1060   Surfaced SWC (Urban) (m per km) MARLBOROUGH - 1164 1463 - 0   Sth CANTERBURY - 1164 1463 - 0   COASTAL OTAGO - 1660 - 1469 1556   Sth CANTERBURY 1316 1039 554 1487 488   COASTAL OTAGO - 1695 1437 428 1025   MARLBOROUGH - 747 783 - 636   STH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   Signs (no. per km) Regional Average for route type 18 15 14 11 11   MARLBOROUGH - 155 14 11 14 14	(m per km)	NTH CANTERBURY	-	32	12	32	21	-	
Surfaced SWC (Urban) (m per km) Regional Average for route type MARLBOROUGH 1316 1358 1140 1402 1060   Surfaced SWC (Urban) (m per km) MARLBOROUGH - 1164 1463 - 0   TH CANTERBURY - 1603 - 1469 1556 1270   CoASTAL OTAGO - 1605 1437 428 1025   Regional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 747 783 - 636   Sth CANTERBURY - 1644 - 644 1470   MARLBOROUGH - 1453 1185 352 1607   COASTAL OTAGO - 1453 1185 352 1607   NTH CANTERBURY 549 15 14 11 11   MARLBOROUGH - 15 13 - 7   Signs (no. per km) Regional Average for route type 18 15 14 11 11<		COASTAL OTAGO	-	106	196	2	46	-	
Surfaced SWC (Urba) (m per km) MARLBOROUGH - 1164 1463 - 0   STH CANTERBURY (m per km) ATH CANTERBURY - 1603 - 1469 1556   COASTAL OTAGO - 1695 1437 428 1025   Regional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 747 783 - 636   STH CANTERBURY 549 809 1156 992 1002   AMALBOROUGH - 1453 1185 352 1607   TH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   MARLBOROUGH - 15 13 - 7   MARLBOROUGH - 15 313 14 14   MARLBOROUGH - 15 3 - 7   Singns (no. per km) MARLBOROUGH -		Regional Average for route type	1316	1358	1140	1402	1060		
Surfaced SWC (Urban) (m per km) STH CANTERBURY . 1603 . 1469 1556 1270   NTH CANTERBURY 1316 1039 554 1487 488 1025 1100 1001 1025 1100 1100 1081 673 1353 1110 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11119 11111 11111 1111 11111 <td></td> <td>MARLBOROUGH</td> <td>-</td> <td>1164</td> <td>1463</td> <td>-</td> <td>0</td> <td>-</td>		MARLBOROUGH	-	1164	1463	-	0	-	
(m ber km) NTH CANTERBURY 1316 1039 554 1487 488   COASTAL OTAGO - 1695 1437 428 1025   COASTAL OTAGO - 1695 1437 428 1025   Begional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 747 783 - 636   STH CANTERBURY - 1644 - 644 1470   MARLBOROUGH - 1644 - 644 1470   NTH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   COASTAL OTAGO - 15 13 - 7   MARLBOROUGH - 15 13 - 7   MARLBOROUGH - 15 13 14 14   MARLBOROUGH - 19 16 8 11	Surfaced SWC (Urban)	STH CANTERBURY	-	1603	-	1469	1556	1270	
COASTAL OTAGO-169514374281025Regional Average for route type549113010816731353MARLBOROUGH-747783-636STH CANTERBURY-1644-6441470TH CANTERBURY54980911569921002COASTAL OTAGO-145311853521607COASTAL OTAGO-145311853521607MARLBOROUGH-1513-7MARLBOROUGH-1513-7Signs (no. per km)MARLBOROUGH-151314MARLBOROUGH-15131411MARLBOROUGH-1916811MARLBOROUGH-00013Signs (no. per km)MARLBOROUGH-19168MARLBOROUGH-000014MARLBOROUGH-00014MARLBOROUGH-111111MARLBOROUGH-0000MARLBOROUGH-0000MARLBOROUGH-0000MARLBOROUGH-0000MARLBOROUGH-0000MARLBOROUGH-0000MARLBOROUGH-00	(m per km)	NTH CANTERBURY	1316	1039	554	1487	488	_	
Barth SWC (Rural) (m per km) Regional Average for route type 549 1130 1081 673 1353   MARLBOROUGH - 747 783 - 636   STH CANTERBURY - 1644 - 644 1470   NTH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   Signs (no. per km) Regional Average for route type 18 15 14 11 11   MARLBOROUGH - 15 13 - 7   Signs (no. per km) MARLBOROUGH - 15 13 13 14   MARLBOROUGH - 15 13 - 7 13   Streetlights (no. per km) Regional Average for route type 0 1 0 0 0   Streetlights (no. per km) TH CANTERBURY - 5 - 1 1 1   MARLBOROUGH - 0 0		COASTAL OTAGO	-	1695	1437	428	1025	-	
Barth SWC (Rural) (m per km) MARLBOROUGH - 747 783 - 636   STH CANTERBURY - 1644 - 644 1470 1119   NTH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   MARLBOROUGH - 1453 1185 352 1607   MARLBOROUGH - 15 13 - 7   Sth CANTERBURY 18 13 13 18 14   COASTAL OTAGO - 19 16 8 11   MARLBOROUGH - 0 0 0 0 1   MARLBOROUGH - 0 0 0 0 1		Regional Average for route type	549	1130	1081	673	1353		
Earth SWC (Kural) (m per km) STH CANTERBURY - 1644 - 644 1470 1119   NTH CANTERBURY 549 809 1156 992 1002 1002   COASTAL OTAGO - 1453 1185 352 1607 1644 11		MARLBOROUGH	-	747	783	-	636	-	
NTH CANTERBURY 549 809 1156 992 1002   COASTAL OTAGO - 1453 1185 352 1607   Regional Average for route type 18 15 14 11 11   MARLBOROUGH - 15 13 - 7   Stigns (no. per km) NTH CANTERBURY - 15 13 11 11   MARLBOROUGH - 15 13 - 7 13   NTH CANTERBURY 18 13 13 18 14 14   COASTAL OTAGO - 19 16 8 11 14   MARLBOROUGH - 0 0 0 0 14   MARLBOROUGH - 19 16 8 11 14   MARLBOROUGH - 0 0 0 0 1   Streetlights (no. per km) MARLBOROUGH - 5 - 1 1 1   NTH CANTE	Earth SWC (Rural)	STH CANTERBURY	-	1644	-	644	1470	1119	
COASTAL OTAGO-145311853521607COASTAL OTAGO-1815141111MARLBOROUGH-1513-7Signs (no. per km)STH CANTERBURY-15-81013NTH CANTERBURY181313181414COASTAL OTAGO-191681114MARLBOROUGH-00001MARLBOROUGH-191681114MARLBOROUGH-01001MARLBOROUGH-000111MARLBOROUGH-00001Streetlights (no. per km)MARLBOROUGH-5-11MARLBOROUGH-000001MARLBOROUGH-000011MARLBOROUGH-00001MARLBOROUGH-00001MARLBOROUGH-000001MARLBOROUGH-000001MARLBOROUGH-000001MARLBOROUGH-000001MARLBOROUGH-000001 <td< td=""><td>(iii per kiii)</td><td>NTH CANTERBURY</td><td>549</td><td>809</td><td>1156</td><td>992</td><td>1002</td><td>-</td></td<>	(iii per kiii)	NTH CANTERBURY	549	809	1156	992	1002	-	
Signs (no. per km) Regional Average for route type 18 15 14 11 11   MARLBOROUGH - 15 13 - 7   Sth CANTERBURY - 15 13 - 7   NTH CANTERBURY - 15 - 8 10 13   COASTAL OTAGO - 19 16 8 11 14   MARLBOROUGH - 0 0 0 0 0 14   COASTAL OTAGO - 19 16 8 11 14 14   MARLBOROUGH - 0 0 0 0 0 0 14 14 14 14   MARLBOROUGH - 19 16 8 11 11 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 15 15 16 16 16		COASTAL OTAGO	-	1453	1185	352	1607	_	
Signs (no. per km) MARLBOROUGH - 15 13 - 7   Sth CANTERBURY - 15 - 8 10 13   NTH CANTERBURY 18 13 13 18 14   COASTAL OTAGO - 19 16 8 11   Regional Average for route type 0 1 0 0 0   MARLBOROUGH - 0 0 - 0 0 14   Marca - 19 16 8 11 14 14   Marca - 0 0 0 0 0 0 14   Marca - 0 0 0 0 0 0 14 14 14 14 14 14 14 14 14 14 14 14 15 15 1 1 1 1 1 1 1 1 1 1 1 1		Regional Average for route type	18	15	14	11	11		
Signs (no. per km) STH CANTERBURY - 15 - 8 10 13   NTH CANTERBURY 18 13 13 18 14	0.	MARLBOROUGH	-	15	13	-	7	-	
NTH CANTERBURY 18 13 13 18 14   COASTAL OTAGO - 19 16 8 11   Regional Average for route type 0 1 0 0 0   MARLBOROUGH - 0 0 - 0 1	Signs (no. nor km)	STH CANTERBURY	-	15	-	8	10	13	
COASTAL OTAGO - 19 16 8 11   Regional Average for route type 0 1 0 0 0   MARLBOROUGH - 0 0 - 0 1	(no. per kill)	NTH CANTERBURY	18	13	13	18	14	1	
Regional Average for route type 0 1 0 0 0   Streetlights (no. per km) MARLBOROUGH - 0 0 - 0   STH CANTERBURY - 5 - 1 1 1   NTH CANTERBURY 0 0 0 0 0 0   COASTAL OTAGO - 0 0 0 0 0 0		COASTAL OTAGO	-	19	16	8	11	-	
Streetlights (no. per km) MARLBOROUGH - 0 0 - 0   STH CANTERBURY - 5 - 1 1 1   NTH CANTERBURY 0 0 0 0 0 0   COASTAL OTAGO - 0 0 0 0 0 0		Regional Average for route type	0	1	0	0	0		
Streetingnts (no. per km)STH CANTERBURY-5-111NTH CANTERBURY000000COASTAL OTAGO-00000	Otras att 1.1.	MARLBOROUGH	-	0	0	-	0		
NTH CANTERBURY0000COASTAL OTAGO-000	Streetlights	STH CANTERBURY	-	5	-	1	1	1	
COASTAL OTAGO - 0 0 0 0	(no. per km)	NTH CANTERBURY	0	0	0	0	0		
		COASTAL OTAGO	-	0	0	0	0		





# **DATABASE HEALTH INDEX - PARAMETERS**

	Measures	Description	Data Source	Grading	Greater than	Less than	NZTA Target Grade
Pavement and Fo	otpath 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 catpured in RAMM	NZTA Regional Office, RAMM	N/A	N/A	N/A	N/A
ouprai i rojecto	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 catpured in RAMM	NZTA Regional Office, RAMM	N/A	N/A	N/A	N/A
	% 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
Surfacing	% 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
	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
Pavement Layer	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
	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
Treatment Length	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 3
	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
Forward Works	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)	I otal 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	1			Grade 1	90%	Γ	
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 2 Grade 3 Grade 4 Grade 5	70% 40% 20%	90% 70% 40% 20%	Grade 1
	% 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
High Speed Data	% 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
	Items per km for PA and SU fault codes 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
Maintenance Costs	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 actvities 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 "Cost faults" Maintenance Cost Activities	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
	Recording Test Pit Data	Total number of test pit records	RAMM carr_way, pave_test_pit_hdr	N/A	N/A	N/A	N/A
	Latest ADT Counts	Latest date of counts	RAMM traffic_loading	N/A	N/A	N/A	N/A
Traffic Count	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			Crodo 1	0.0%/		
	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 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 <sup>2</sup> 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
Structures	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
	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 kmUrban (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
Drainage	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
	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
Surface Water Channels	Earth SWC per km v Regional Average (Rural)	Length of Earth SWC per kmRural 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
	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
				Grade 1	90%		Grado
		Total National and a second second and a second s		Grade 2	70%	90%	
	Signs per km v Regional Average	Total No. of signs per km vs regional average	RAMM carr_way, signs	Grade 3	40%	70%	Grade 2
	5 1 5 5	per km	_ ,, ,	Grade 4	20%	40%	
			-	Grade 5		20%	
	Large Signs >4.0m <sup>2</sup>	Total No. of large signs with a sign face greater than 4.0m <sup>2</sup>	RAMM carr_way, signs	N/A	N/A	N/A	N/A
Signs	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
				Grade 1	6%		
	Maintenance Activity ("replaced" date	Total No. of signs renewed or replaced in last		Grade 2	4%	6%	Crede 2
	in previous 4 – 15 months)	4-15 months / total number of signs	RAIMINI carr_way, signs	Grade 3	2%	4%	Grade 2
	, , ,	5		Grade 4		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
				Grade 1	90%		
		Total No. of street lights per km vs regional average per km		Grade 2	70%	90%	
	Streetlights per km v benchmark		RAMM carr_way, sl_pole	Grade 3	40%	70%	Grade 2
	3 1 1 1			Grade 4	20%	40%	
				Grade 5		20%	
	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
Streetlights	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
		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	6%		
	Maintenance Activity ("replaced" date			Grade 2	4%	6%	Oreda 0
	in previous 4 – 15 months)			Grade 3	2%	4%	Grade 2
	·			Grade 4		2%	
		Total No. Poles with no brackets attached,		Grade 1		5%	
	Duplicates or near duplicates plus	total No. brackets with no light attached, total No. poles with duplicate road, id. location.	RAMM carr way, sl pole, sl bracket.	Grade 2	5%	15%	
	poles with no light or bracket		sl_light	Grade 3	15%	40%	Grade 1
	1	offset side, offset		Grade 4	40%		
Footpaths &	Total Length of Footpath	Total length of footpath	RAMM carr_way, footpath	N/A	N/A	N/A	N/A
Cycleways	Total Length of Cycleways	Total length of cycleways with marking type (M83, M72) and marking colour GR (green) and notes do not include bus way	RAMM carr_way, markings	N/A	N/A	N/A	N/A
Signal Controlled intersections	No. Signal Controlled Intersections	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 (WEIGH)	RAMM carr_way, features	N/A	N/A	N/A	N/A



