

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: WEST COAST
Date: 12/12/2014

| | | 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 in last year | 7.8% | Grade 2 | Grade 1 | 94 | 81 |
| | | % Surfaces at least 50% older than expected age | 0.0% | Grade 1 | Grade 2 | | |
| | | % of Network with no surfacing | 0.1% | Grade 1 | Grade 1 | | |
| | | Illogical Records inc. % (SAC with chipseal, Low and high widths, Alignment of traffic volumes v pavement use) | 0.4% | Grade 1 | Grade 1 | | |
| | Pavement Layer | Proportion of Network with layer Information | 35.6% | Grade 4 | Grade 3 | 46 | 77 |
| | | New layer length in previous 6 – 30 months | 4.7% | Grade 2 | Grade 2 | | |
| | | Illogical records (Pavement Layers v Incorrect Surfacing) | 46.0% | Grade 4 | Grade 1 | | |
| | Road Marking | Breakdown of road markings by type | see attached report | | | - | - |
| | Treatment Length | Proportion of very short (< 20m) TLs | 0.6% | Grade 1 | Grade 1 | 65 | 85 |
| | | Proportion of very long (> 2000m) TLs | 10.6% | Grade 2 | Grade 1 | | |
| Proportion of TLs with < 80% coverage of major surfacing | | 9.0% | Grade 2 | Grade 1 | | | |
| % updated in last 5 years | | 0.1% | Grade 5 | Grade 2 | | | |
| Forward Works Programme | Date FWP last updated | 16/10/2014 | - | - | 98 | 90 | |
| | Proportion of network identified for treatment in next ten years (from FWP) | 96.9% | Grade 1 | Grade 2 | | | |
| | FWP v surfacings (% surfacings in last year conflicting with first 2 years of FWP excluding 2nd coats) | 0.1% | Grade 1 | Grade 1 | | | |
| | Evidence of active MIS strategy, reasons for treatments listed and detailed | 99.3% | Grade 1 | Grade 1 | | | |
| Collected Data | Carriageway Rating | Percentage rated in last year | 100.0% | Grade 1 | Grade 1 | 100 | 90 |
| | High Speed Data | % network meeting standards for roughness, rutting and texture (Roads surveyed in last year) | 100.0% | Grade 1 | Grade 1 | 99 | 90 |
| | | % network meeting standards for FWD (Roads surveyed in last 5 years) | 96.2% | 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 | 57.1% | Grade 3 | Grade 2 | 73 | 83 |
| | | Spread of location in previous 4 - 15 months (proportion located at carriageway start) | 2.6% | Grade 1 | Grade 2 | | |
| | | Distribution of maintenance patch sizes by Hierarchy | see attached report | | | | |
| | | Breakdown of Maintenance Cost Activities | see attached report | | | | |
| | Miscellaneous | % of Maintenance Activity where fault type is "Unknown" | 15.4% | Grade 3 | Grade 1 | - | - |
| | | No. of test pits with layer data recorded | 89 | no. | - | - | - |
| | Traffic Count | No. of LTPP sites recorded in RAMM | 3 | no. | - | - | - |
| | | Latest ADT Counts | 31/12/2013 | - | - | 98 | 70 |
| Latest ADT Estimates | | 31/12/2013 | - | - | | | |
| % loading estimate (i.e. not default) | 98.4% | Grade 1 | Grade 2 | | | | |
| Non-Carriageway Asset Inventory | Structures | No. of Pavement Type "Bridge" v No. of Bridges > 50m in length in BDS | 1.2% | Grade 5 | Grade 1 | 1 | 85 |
| | | No. Large Culverts v No. BDS | 0.0% | Grade 5 | Grade 2 | | |
| | | Retaining Walls | 107 | no. | - | | |
| | | Gantries (see attached report for locations) | 0 | no. | - | | |
| | | Barriers in RAMM (m) | 57154 | m | - | | |
| | | End Treatments in RAMM | see attached report | | | | |
| | Drainage | Culverts per km v Regional Average (Rural) | 94.1% | Grade 1 | Grade 2 | 29 | 80 |
| | | Catchpits per km v Regional Average (Urban) | 31.0% | Grade 4 | Grade 2 | | |
| | | Manholes per km v Regional Average (Urban) | 0.0% | Grade 5 | Grade 2 | | |
| | | Subsoil Drains per km v Regional Average (Rural) | 18.6% | Grade 5 | 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) | 62.2% | Grade 3 | Grade 2 | 40 | 77 |
| Earth SWC per km v Regional Average (Rural) | | 59.0% | Grade 3 | 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 | 77.8% | Grade 2 | Grade 2 | 39 | 78 | |
| | Large Signs >4.0m ² (see attached report for quantity by type) | 14 | no. | - | | | |
| | ITS VMS | 0 | no. | - | | | |
| | % of Signs with renewal date in last 4 - 15 months | 0.0% | Grade 4 | Grade 2 | | | |
| Streetlights | No. Frangible bases in RAMM | 0 | no. | - | 67 | 82 | |
| | Streetlights per km v Regional Average | 100.0% | Grade 1 | Grade 2 | | | |
| | Frangible Base type no. | 0 | no. | - | | | |
| | Shear Base type no. | 36 | 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) | 0 | no. | - | - | - | |
| Rest Areas | Number of rest areas | 22 | no. | - | - | - | |
| Weigh Stations | Number of Weigh Stations (see attached report for locations) | 2 | no. | - | - | - | |

DATABASE HEALTH INDEX DASHBOARD - PROJECTS

WEST COAST

| In RAMM (Y/N/P) | Project Name | SH | RS | Dir | RP | | Comments | Year |
|-----------------------|-------------------------------------|----|-----|------|-------------|---|--|-----------|
| P | Lawson Creek Bridge Widening | 6 | 388 | Both | 5 | Wideining and approach realignment | Markings, Barriers and Retaining Wall added (installation Dates missing), Carriageway, Surfacing and Pavement layer details missing | 2012/2013 |
| Y | 10 Mile Guardrail & SVB | 6 | 403 | Both | 10.21-10.59 | | | 2013/2014 |
| N | Raleigh Street Improvements | 6 | 430 | Both | 2.2 | Right turn bay, minor widening | Markings added, Carriageway, Surfacing, Pavement layer and drainage details missing | 2012/2013 |
| Y | New River Bridge Guardrail | 6 | 430 | Both | 12.6 | | Barriers added (Installation dates missing) | 2013/2014 |
| Y | High Street Safety Improvements | 6 | 430 | Both | 1.5-2.2 | Parking Bays, Flush Median, cycle lane | Markings and Retaining Wall(Installation date missing) added | 2013/2014 |
| P | Totara AWT | 6 | 489 | Both | 8.78-9.22 | Reconstruction | Surfacing, pavement layer, drainage and stormwater added (Drainage and stormwater construction Dates Missing) Stormwater and Markings missing | 2013/2014 |
| Y | Ross Speed Treatments | 6 | 501 | Both | 0-0.95 | Speed management. Kerb buildouts, threshold | Signs added (missing installation date) | 2012/2013 |
| P | Fergusons Bush AWT Stage 2 | 6 | 501 | Both | 11.27-13.14 | Reconstruction | Surfacing, pavement layer added - Drainage, stormwater and Markings missing | 2013/2014 |
| Y | Pukekura Curve | 6 | 519 | Dec | 2.4 | Crash history | Signs added (missing installation date) | 2010/2011 |
| Y | Wyatt Stock Underpass | 6 | 541 | Both | 10.3 | | Structure added (construction date missing) | 2012/2013 |
| P | Mt Hercules Realignment | 6 | 551 | Both | 8.5-9.2 | Narrow, windy section | Carriageway width requires updating from 6.6-7.5 (from 8520-11179) Surfacing, pavement layer, markings, drainage and signs added. Stormwater missing. | 2013/2013 |
| P | Culvert 78 - Gunns Creek AWT | 6 | 551 | Both | 9.2-11.33 | Narrow, windy section | | 2013/2014 |
| Y | O'Connor Creek GR | 6 | 610 | Both | 8.5 | Guardrail | Barriers added (installation date missing) | 2013/2014 |
| Y | SH6 Fox River Bridge South Approach | 6 | 626 | Both | 8.44 | Realign for improved visibility onto OLB | Surfacing, pavement layer , drainage, stormwater and markings added | 2012/2013 |
| Y | Fox River - Stoney Creek AWT | 6 | 626 | Both | 8.38-9.63 | Reconstruction | | 2013/2014 |
| Y | Fantail Falls Car Park | 6 | 800 | Both | 9.88 | Contribution only | Signs and markings added | 2012/2013 |
| Y | Starvation Point Guardrail Upgrade | 73 | 151 | Inc | 3.6 | Multiple crash site | Signs and barriers added. No installation dates | 2013/2014 |

DATABASE HEALTH INDEX - REGIONAL AVERAGES

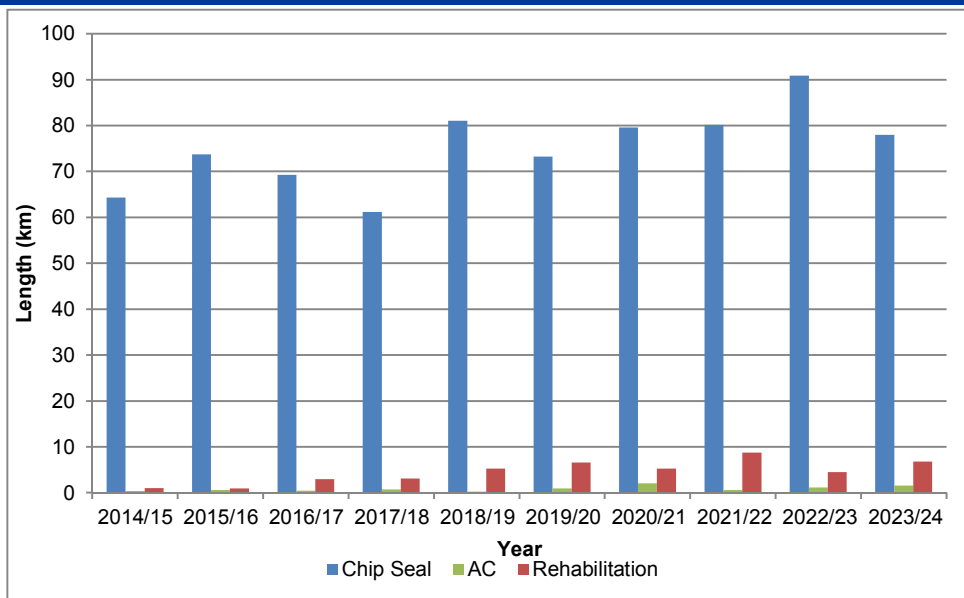
Area: WEST COAST
Date: 12/12/2014

| 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 | - | 6 | 3 | 2 | 2 | 3 |
| | West Coast | - | - | 2 | 1 | 1 | |
| | Nelson | - | - | 5 | 5 | 1 | |
| | Southland | - | - | 3 | 3 | 2 | |
| | Coastal Otago | - | 6 | 5 | 3 | 4 | |
| Culverts (Rural) (no. per km) | Regional Average for route type | - | 6 | 6 | 5 | 6 | 6 |
| | West Coast | - | - | 6 | 5 | 5 | |
| | Nelson | - | - | 9 | 5 | 5 | |
| | Southland | - | - | 4 | 6 | 6 | |
| | Coastal Otago | - | 6 | 5 | 2 | 2 | |
| Catchpit (Urban) (no. per km) | Regional Average for route type | - | 13 | 14 | 8 | 7 | 10 |
| | West Coast | - | - | 4 | 4 | 1 | |
| | Nelson | - | - | 14 | 15 | 11 | |
| | Southland | - | - | 17 | 12 | 17 | |
| | Coastal Otago | - | 13 | 11 | 2 | 8 | |
| Manholes (urban) (no. per km) | Regional Average for route type | - | 0 | 0 | 0 | 0 | 0 |
| | West Coast | - | - | 0 | 0 | 0 | |
| | Nelson | - | - | 0 | 0 | 0 | |
| | Southland | - | - | 2 | 8 | 0 | |
| | Coastal Otago | - | 0 | 0 | 0 | 0 | |
| Subsoil Drain (Rural) (m per km) | Regional Average for route type | - | 110 | 64 | 21 | 28 | 38 |
| | West Coast | - | - | 4 | 5 | 12 | |
| | Nelson | - | - | 144 | 92 | 13 | |
| | Southland | - | - | 9 | 20 | 24 | |
| | Coastal Otago | - | 110 | 198 | 2 | 47 | |
| Surfaced SWC (Urban) (m per km) | Regional Average for route type | - | 1695 | 1486 | 1302 | 960 | 1282 |
| | West Coast | - | - | 518 | 1113 | 700 | |
| | Nelson | - | - | 1361 | 1465 | 1203 | |
| | Southland | - | - | 1693 | 1548 | 1281 | |
| | Coastal Otago | - | 1695 | 198 | 428 | 1025 | |
| Earth SWC (Rural) (m per km) | Regional Average for route type | - | 1452 | 1176 | 786 | 1275 | 1114 |
| | West Coast | - | - | 713 | 660 | 536 | |
| | Nelson | - | - | 529 | 788 | 937 | |
| | Southland | - | - | 1818 | 1814 | 1555 | |
| | Coastal Otago | - | 1452 | 1176 | 352 | 1607 | |
| Signs (no. per km) | Regional Average for route type | - | 19 | 15 | 10 | 11 | 12 |
| | West Coast | - | - | 10 | 9 | 9 | |
| | Nelson | - | - | 21 | 13 | 11 | |
| | Southland | - | - | 15 | 13 | 11 | |
| | Coastal Otago | - | 19 | 16 | 8 | 11 | |
| Streetlights (no. per km) | Regional Average for route type | - | 6 | 2 | 1 | 1 | 1 |
| | West Coast | - | - | 1 | 1 | 2 | |
| | Nelson | - | - | 4 | 1 | 1 | |
| | Southland | - | - | 2 | 0 | 0 | |
| | Coastal Otago | - | 6 | 6 | 0 | 1 | |

DATABASE HEALTH INDEX DASHBOARD - REPORTS

Area: WEST COAST
Date: 12/12/2014

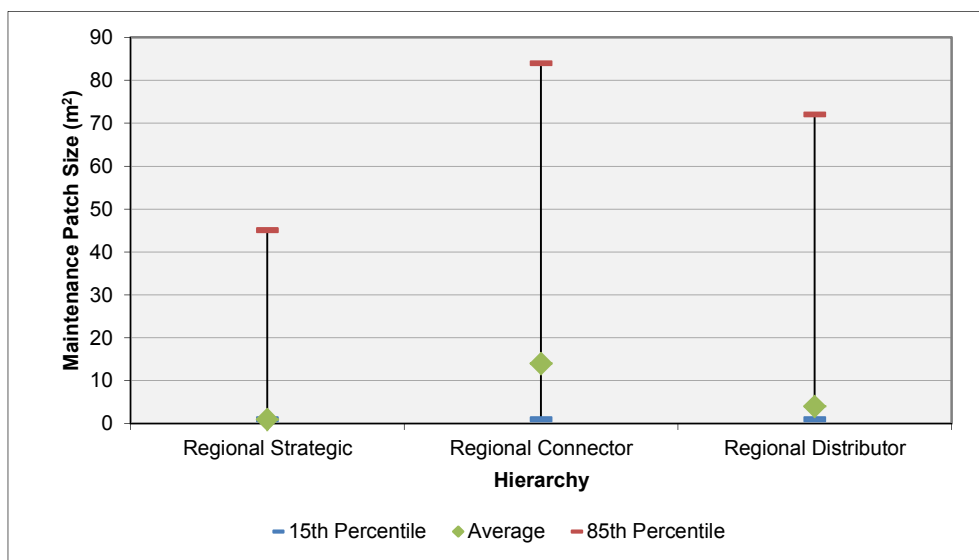
Breakdown of 10 Year FWP by Treatment Type



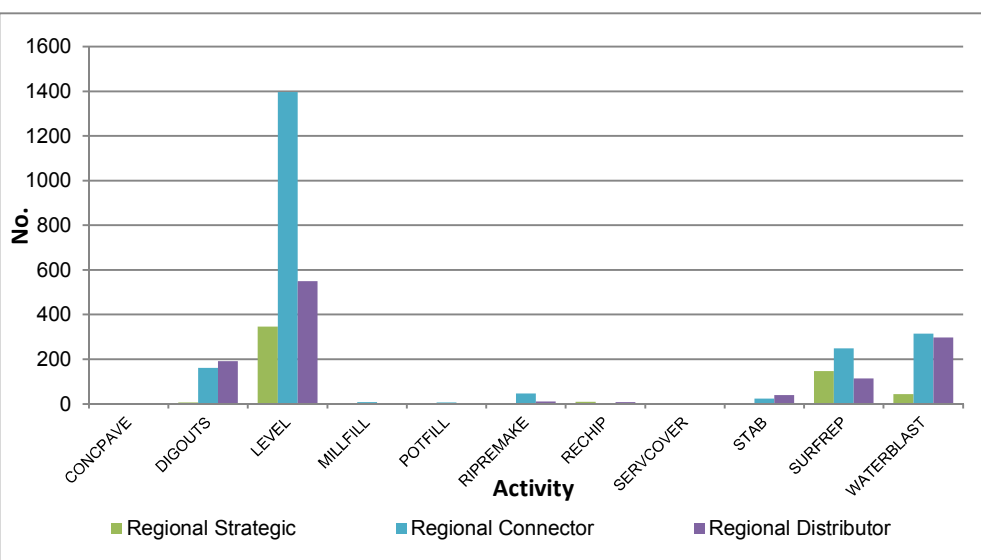
Signalised Intersections in RAMM

None

Distribution of maintenance patch sizes by Hierarchy



Breakdown of Maintenance Cost Activities last 3 years



Large Signs >4.0m²

| Sign Type | No. |
|---|-----------|
| Chevron Curve Indicator | 1 |
| FINGER BOARD (public amenities) | 1 |
| Major tourist attractions - special information | 11 |
| Road Narrows (Left or Right Side Narrowing) | 1 |
| Total | 14 |

End Treatments in RAMM

| End Treatment Type | No. |
|--------------------------------------|-------------|
| Armorflex X 350 | 85 |
| Breakaway Cable Terminal Unit | 1 |
| Buried in Back Slope | 13 |
| Breakaway Cable Terminal (Bull Nose) | 560 |
| Bridge Plate/Bridge Connector | 145 |
| ET2000 | 19 |
| Fishtail/Butterfly End | 1 |
| Fleat 350 | 104 |
| Not Applicable | 15 |
| SKT 350 | 3 |
| Texas Twist | 130 |
| Unknown | 5 |
| Total | 1081 |

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) |
|---------------------|------------|
| Paint | 450 |
| Reflectorised Paint | 76330 |
| Unknown | 2744082 |

Weigh Stations

| Road Name | Location | Side |
|--------------|----------|----------|
| 006-0282 | 9140 | Right |
| 067-0000 | 13260 | Right |
| Total | | 2 |

Footpath and Cycleways

None

Gantries

None

DATABASE HEALTH INDEX - PARAMETERS

| Measures | | Description | Data Source | Grading | Greater than | Less than | NZTA Target Grade |
|---------------------------|---|--|---|---|--------------------------|--------------------------|-------------------|
| Pavement 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 in the last year / 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 >= 3.4m2 ("LR-BSN" sign_type with legend "CULVERT" LHS Only) vs Total No. culverts in BDS | RAMM sign, 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 |