### **DATABASE HEALTH INDEX - DASHBOARD**

**BOP EAST** 

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:

|        | Date:                   | 9/09/2013   |                     |              |                   |          |                   |  |
|--------|-------------------------|---|---------------------|--------------|-------------------|----------|-------------------|--|
|        |                         |   |                     |              | Performanc        | e        | Exposted          |  |
|        | Category                | Measures  | Result              | Measure      | Expected<br>Value | Category | Expected<br>Value |  |
|        |                         | Major capital projects completed v RAMM (in last 6 -30 months)  | see attached report |              |                   |          | Value             |  |
|        | Capital Projects        | Minor capital or safety improvement projects v RAMM (in last 6 -30 months)  |                     | attached rep | ort               | -        | -                 |  |
|        |                         | % of Network surfaced in RAMM over previous 4 – 15 months   | 14.4%               | Grade 1      | Grade 1           |          |                   |  |
|        |                         | % Surfaces at least 50% older than expected age   | 6.6%                | Grade 2      | Grade 2           |          |                   |  |
| entory | Surfacing               | % of Network with no surfacing  | 0.1%                | Grade 1      | Grade 1           | 91       | 81                |  |
|        |                         | Illogical Records inc. % (SAC with chipseal, Low and high widths, Alignment of traffic volumes v pavement use)            | 1.0%                | Grade 1      | Grade 1           |          |                   |  |
|        |                         | Proportion of Network with layer Information  | 72.1%               | Grade 2      | Grade 3           |          |                   |  |
| Inve   | Pavement Layer          | New layer length in previous 6 – 30 months  | 1.2%                | Grade 3      | Grade 2           | 56       | 77                |  |
| sset   |                         | Illogical records (Pavement Layers v Incorrect Surfacing)   | 14.2%               | Grade 2      | Grade 1           |          |                   |  |
| y A:   | Road Marking            | Breakdown of road markings by type  | see a               | attached rep | ort               | -        | -                 |  |
| Jewa   |                         | Proportion of very short (< 20m) TLs  | 3.2%                | Grade 1      | Grade 1           |          |                   |  |
| rriaç  |                         | Proportion of very long (> 2000m) TLs   | 1.6%                | Grade 1      | Grade 1           |          |                   |  |
| ပီ     | Treatment Length        | Proportion of TLs with $< 80\%$ coverage of major surfacing   | 6.6%                | Grade 2      | Grade 1           | 82       | 85                |  |
|        |                         | % undated in last 5 years   | 50.2%               | Grade 3      | Grade 2           |          |                   |  |
|        |                         | Date FWP last updated   | 10/09/2013          |              | -                 |          |                   |  |
|        |                         | Proportion of network identified for treatment in next ten years (from FW/P)  | 1/0 2%              | Grade 1      | Grade 2           |          |                   |  |
|        | Programme               | EWP v surfacings (% surfacings in last year conflicting with first 2 years of EWP excluding 2nd coats)                    | 0.3%                | Grade 1      | Grade 1           | 87       | 90                |  |
|        | rogrammo                | Evidence of active MIS strategy, reasons for treatments listed and detailed   | 60.0%               | Grade 2      | Grade 1           |          |                   |  |
|        | Corriggowov Poting      |   | 07.7%               | Grade 1      | Grade 1           | 0.0      | 00                |  |
|        | High Speed Data         | Contrage fated in fast year A notwork monthing standards for roughness, rutting and toxture (Poads surveyed in last year) | 97.7%               | Grade 1      | Grade 1           | 90       | 90                |  |
|        |                         | % network meeting standards for EWD (Peeds surveyed in last 5years)   | 99.9 <i>%</i>       | Grade 2      | Grade 1           | 02       | 00                |  |
|        |                         | % network meeting standards for SCPIM (Poads surveyed in last systals)  | 70.0%               | Grade 1      |                   | 92       | 90                |  |
|        | Maintenance<br>Activity | Items per km for DA and SLL cost groups in providus 4. 15 menths y Regional Average                                       | 99.9%               | Grade 1      | Grade 1           |          |                   |  |
| B      |                         | Spread of logation in providus 4 – 15 months (proportion logated at corrigooway start)                                    | 1 4 70              | Grade 1      | Grade 2           |          |                   |  |
| Dat    |                         | Spread of location in previous 4 - 13 months (proportion located at carnageway start)                                     | 1.170               | Glade I      | Graue 2           | 80       | 83                |  |
| cted   |                         |   | 300 0               | attached rep | ort               | 09       | 05                |  |
| olle   |                         | Dieakdown of iviaintenance Cost Activities  | 12 70/              |              | Crode 1           |          |                   |  |
| 0      |                         | No. of text bits with lover data recorded   | 13.7%               | Grade 2      | Glade I           |          |                   |  |
|        | Miscellaneous           | No. of test pits with layer data recorded   | 20                  | 110.         | -                 | -        | -                 |  |
|        |                         |   | 1                   | 10.          | -                 |          |                   |  |
|        | Troffic Count           |   | 31/12/2012          | -            | -                 | 100      | 70                |  |
|        |                         |   | 19/08/2013          | -<br>Crada ( | -<br>Orada 0      | 100      | 70                |  |
|        |                         | % loading estimate (i.e. not default)   | 100.0%              | Grade T      | Grade 2           |          |                   |  |
|        |                         | No. or Pavement Type Bloge V No. or Bloges > 30mm length in BDS   | 9.5%                | Grade 5      |                   |          |                   |  |
|        |                         | No. Large Cuiverts V No. BDS  | 30.8%               | Grade 4      | Grade 2           |          |                   |  |
|        | Structures              |   | 330                 | no.          | -                 | 21       | 85                |  |
|        |                         |   | 13                  | no.          | -                 |          |                   |  |
|        |                         |   | 30122               | m            | -                 |          |                   |  |
|        |                         |   | See a               |              | Orada O           |          |                   |  |
|        |                         |   | 92.3%               | Grade I      | Grade 2           |          |                   |  |
|        | Dreizere                |   | 87.9%               | Grade 2      | Grade 2           | 54       | 00                |  |
|        | Drainage                | Mannoles per km v Regional Average (Urban)  | 0.0%                | Grade 5      | Grade 2           | 51       | 82                |  |
| ~      |                         | Subsoli Drains per km v Regional Average (Rural)  | 21.8%               | Grade 4      | Grade 2           |          |                   |  |
| ntor   |                         | % of Drainage (Construction Date in previous 4 – 15 months)   | 1.2%                | Grade 3      | Grade 2           |          |                   |  |
| Inve   | Surface Water           | Surfaced SVVC per km v Regional Average (Urban)   | 91.3%               | Grade 1      | Grade 2           | 0.0      |                   |  |
| sset   | Channels                | Earth SVVC per km v Regional Average (Rufal)  | 118.2%              | Grade 1      | Grade 2           | 86       | 11                |  |
| iy Aŝ  |                         | Sealed Swo renewal activity (Construction Date in previous 4 – 27 months)   | 2.8%                | Grade 2      | Grade 2           |          |                   |  |
| Jewa   |                         | Signs per km v Regional Average   | 91.8%               | Grade 1      | Grade 2           |          |                   |  |
| rriaç  | 0                       | Large Signs >4.0m <sup>2</sup> (see attached report for quantity by type)   | 175                 | no.          | -                 | 54       | 70                |  |
| -Ca    | Signs                   |   | 3                   | no.          | -                 | 51       | 78                |  |
| Non    |                         | % or Signs with renewal date in last 4 - 15 months  | 0.6%                | Grade 4      | Grade 2           |          |                   |  |

|                   |                    | No. Frangible bases in RAMM (no posts in RAMM)                            | 0     | no.                 | -       |    |    |
|-------------------|--------------------|---|-------|---------------------|---------|----|----|
|                   |                    | Streetlights per km v Regional Average                                    | 0.0%  | Grade 5             | Grade 2 |    |    |
|                   | Streetlights       | Frangible Base type no.   | 0     | no.                 | -       |    |    |
| Streetli          |                    | Shear Base type no.   |       | no.                 | -       | 33 | 82 |
|                   |                    | % of Streetlight Poles with renewal date in last 4 – 15 months            |       | Grade 4             | Grade 2 |    |    |
|                   |                    | Duplicates or near duplicates plus poles with no light or bracket         | 0.0%  | Grade 1             | Grade 1 |    |    |
| Footpa<br>Cyclew  | aths &<br>vays     | Total length of Footpath and Cycleways (see attached tables for listings) | see a | see attached report |         |    | -  |
| Signal<br>Interse | Controlled ections | Signal Controlled Intersections (see attached report for locations)       |       | no.                 | -       | -  | -  |
| Rest A            | reas               | Number of rest areas  |       | no.                 | -       | -  | -  |
| Weigh             | Stations           | Number of Weigh Stations (see attached report for locations)              | 9     | no.                 | -       | -  | -  |





# **DATABASE HEALTH INDEX DASHBOARD - PROJECTS**

Area: BOP EAST Date: 9/09/2013

| In<br>RAMM<br>(Y/N/P) | Project Name                                     | ѕн       | RS  | Dir       | RP             |   | Comments                                      | Year  |
|-----------------------|--|----------|-----|-----------|----------------|---|---|-------|
| Y                     | Wainui Road Approach                             | 2        | 283 | В         | 2.65           | 2591m SDCUL   | Economic Stimulus Approach                    | 09/10 |
| ?                     | Culvert 1 Extension                              | 2        | 294 | L         | 0.44           |   | Economic Stimulus Extension                   | 09/10 |
| N                     | Waiotahi Beach Curves Signage Upgrade            | 2        | 294 | В         | 1.85           |   | Signage Upgrade                               | 09/10 |
| P                     | Pohutukawa Tunnel Seal Widening                  | 2        | 294 | B         | 3.9            | Pavement and Surfacing missing  | Seal Widening with K&C                        | 09/10 |
| Y                     | Matahi Rd Curves Realignment                     | 30       | 187 | R         | 0.4            |   | Minor Safety Curve                            | 09/10 |
|                       | Drainage Trap Removal                            | 30       | 194 | L         | 1.1            |   | Minor Safety Removal                          | 09/10 |
| Y                     | Crest Curve Delineation                          | 30       | 194 | В         | 2.3            |   | Minor Safety Delineation                      | 09/10 |
| Y<br>V                | White Cross Orchard Drain                        | 30       | 206 | L         | 5.25           |   | Economic Stimulus Drain                       | 09/10 |
| Y<br>V                | MacDonald Road Widening                          | 30       | 206 | к<br>D    | 0.35<br>8.02   |   | Seal widening to Corner                       | 09/10 |
| r<br>V                | Hot Springs Curve Signage Ungrade                | 30       | 206 | D         | 0.02           |   |   | 09/10 |
| r<br>V                | Stock Underpass Guardrail                        | 30       | 200 | B         | 9<br>10 56     |   | Economic Stimulus Guardrail                   | 09/10 |
| y<br>Y                | Matata Speed Threshold                           | 2        | 200 | B         | 1 15           |   | Minor Safety Threshold                        | 10/11 |
| Y                     | Taneatua Fastern Speed Threshold                 | 2        | 258 | B         | 2.17           | Installation date needs updating  | Minor Safety Threshold                        | 10/11 |
| P                     | Waimana Curves                                   | 2        | 271 | B         | 1              | No Guardrail  | Sign and Guardrail                            | 10/11 |
| -                     |  | _        |     |           | _              | Bridge Guardrail does not get entered in                                    |   |       |
|                       | Waiotahi River Bridge Guardrail                  | 2        | 294 | В         | 0.1            | RAMM<br>Bridge Guardrail does not get entered in                            | Bridge Guardrail                              | 10/11 |
|                       | Tarawera River Bridge Guardrail                  | 30       | 194 | В         | 8.45           | RAMM  | Bridge Guardrail                              | 10/11 |
| Y                     | Tirohanga Speed Threshold Upgrade                | 35       | 0   | В         | 7.5            | Pridge Cuardrail doos not get entered in                                    | Minor Safety Upgrade                          | 10/11 |
|                       | Hawai Bridge Guardrail                           | 35       | 28  | В         | 0              | RAMM  | Install TL3 guardrail                         | 10/11 |
| Y                     | SH2 Matata Pump Station Guardrail                | 2        | 223 | L         | 2.8            |   | Minor Safety Guardrail                        | 2011  |
| Ν                     | Site 4 – Tarukenga Seal Widening                 | 5        | 29  | Both      | 10.10 to 11.53 |   |   | 2011  |
|                       |  |          |     |           |                | 1946-2959 D no RAMM details, Only<br>Carriageway, retaining wall and signs  | Widening existing carriageway from 2 lanes to |       |
| Р                     | SH5 Fairy Springs Rd 4-Laning                    | 5        | 45  | Inc & Dec | 1.9 to 3.1     | updated   | divided 4 lanes                               | 2011  |
| Y                     | Site 5A – Waipa Stream Guardrail                 | 5        | 56  | Dec       | 0.09 to 0.21   |   |   | 2011  |
| Y                     | Site 5B – Waipa South Guardrail                  | 5        | 56  | Inc       | 5.15 to 5.22   |   |   | 2011  |
| Y                     | Site 5C – Gasline Curve Culvert 1 Guardrail      | 5        | 67  | Both      | 7.45 to 7.64   |   |   | 2011  |
| Y                     | Site 5D – Gasline Curve Culvert 1 Guardrail      | 5        | 67  | Both      | 7.71 to 7.84   |   |   | 2011  |
| Р                     | Site 7 – Airport to Rotokawa Improvements        | 30       | 147 | Both      | 6.50 to 7.30   | date  |   | 2011  |
| Y                     | Site 9 – Ohaunui Stream Guardrail                | 30       | 158 | Dec       | 2.68 to 2.75   |   |   | 2011  |
| Р                     | Site 6 – SH 30/33 Intersection Improvements      | 33       | 0   | Dec       | 0.00 to 0.150  | missing   |   | 2011  |
| Y                     | SH36 Mangapouri South AWT                        | 36       | 28  | both      | 5.93 to 7.23   | Historical surfacing records need updating                                  | Pavement Overlay and Seal Widening            | 2011  |
|                       | Reids Canal                                      | 2        | 232 | В         | 5.5            | 4470-5600 Historical surfacing records need                                 | Bridge Replacement                            | 2012  |
|                       |  |          |     |           |                | updating, marking painted date missing. No                                  |   |       |
| Р                     | Maraenui Hill Realignment                        | 35       | 28  | В         | 5              | structures.   | Emergency Work                                | 2012  |
|                       |  |          |     |           |                | 9055-9409 AWPT in RAMM. Structures,   |   |       |
| Р                     | Sandy's Slip                                     | 2        | 345 | В         | 9.3            | railing and retaining wall missing  | Emergency Work                                | 2013  |
|                       |  |          |     |           |                | Historical payament and surfacing records                                   |   |       |
| v                     | SH5 Waiotanu Sth AWT                             | 5        | 77  | both      | 5 25 to 6 75   | need removed dates signs missing  | Pavement Overlay and Seal Widening            | 2013  |
|                       |  | 5        |     | both      | 5.25 10 0.75   |   |   | 2013  |
| Р                     | SH30 Te Ngae East AWT                            | 30       | 158 | both      | 1.25 to 2.97   | Historical pavement and surfacing records need removed dates. Signs missing | Pavement Overlay and Seal Widening            | 2013  |
|                       |  |          |     |           |                |   |   |       |
| N                     | SITE 3: Wapiti Road East Guardrail Installation  | 30       | 115 | Dec       | 3.635 to 3.815 |   |   | 2013  |
| N                     | SITE 4: No. 26 Culvert Extension                 | 30       | 120 | Dec       | 4.86 to        |   |   | 2013  |
| N                     | Extension  | 30       | 131 | Both      | 0.572 to 0.726 |   |   | 2013  |
| N                     | SITE 13: Hells Gate Entrance Upgrade             | 30       | 158 | Both      | 3.4 to 3.64    |   |   | 2013  |
| Y                     | SITE 1: Moose Lodge East Curve Guardrail         | 30       | 158 | Inc       | 8.83 to 8.93   |   |   | 2013  |
| N                     | SITE 2: Rotoma Divepoint Guardrail Extension     | 30       | 170 | Inc       | 14.49 to 14.57 |   |   | 2013  |
| N                     | Widening   | 33       | 0   | Both      | 8.39 to 8.99   |   |   | 2013  |
| N                     | SITE 7: Gum Plantation Guardrail                 | 33       | 0   | Dec       | 11.06 to 11.85 |   |   | 2013  |
| N                     | SITE 8: Maniatutu Road North Guardrail & Seal    | 22       | 0   | Inc       | 12 1 += 12 1   |   |   | 2012  |
| IN<br>N               | Widening   | 33<br>22 | 0   |           | 12.1 to 13.1   |   |   | 2013  |
| IN                    | SITE 9: MOTORDIKE FATALHIII GUARAFAI             | 33       | U   | Dec       | 13.00 to 13.8  |   |   | 2013  |
| N                     | SITE 10: Sun Valley South Logging Road Guardrail | 33       | 0   | Inc       | 14.23 to 14.43 |   |   | 2013  |
| N                     | SITE 11: Sun Valley Station Guardrail            | 33       | 0   | Inc       | 14.7 to 14.9   |   |   | 2013  |
| N                     | SITE 14: Kaharoa Rd/Stewart Rd Intersection      | 36       | 28  | Both      | 7.5 to 8.5     |   |   | 2013  |
| Ν                     | SITE 12: Kathy's Curve Guardrail                 | 36       | 28  | Inc       | 7.95 to 8.05   |   |   | 2013  |





# **DATABASE HEALTH INDEX - REGIONAL AVERAGES**

Area:BOP EASTDate:9/09/2013

### Regional Averages

|                         |                                 | Hierarchy   |                    |                    |                       |                         |                  |  |  |
|-------------------------|---------------------------------|-------------|--------------------|--------------------|-----------------------|-------------------------|------------------|--|--|
| Asset                   | Region                          | High Volume | National Strategic | Regional Strategic | Regional<br>Connector | Regional<br>Distributor | Regional Average |  |  |
|                         | Regional Average for route type | 6           | 2                  | 4                  | 5                     | 5                       |                  |  |  |
|                         | Napier                          | 4           | 2                  | 4                  | -                     | 3                       |                  |  |  |
| Maintenance Costs       | Gisborne                        | -           | -                  | 7                  | 5                     | 9                       | _                |  |  |
| (no. of pavement and    | East Waikato                    | 6           | -                  | 3                  | 5                     | 3                       | 5                |  |  |
| sunacing launs per kin) | BOP West                        | 7           | -                  | 6                  | 9                     | 9                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 7                  | 5                     | 5                       |                  |  |  |
|                         | Regional Average for route type | 11          | 7                  | 9                  | 8                     | 9                       |                  |  |  |
|                         | Napier                          | 4           | 7                  | 9                  | -                     | 7                       |                  |  |  |
| Culverts (Rural)        | Gisborne                        | -           | -                  | 8                  | 11                    | 9                       | 9                |  |  |
| (no. per km)            | East Waikato                    | 15          | -                  | 7                  | 8                     | 11                      | 9                |  |  |
|                         | BOP West                        | 12          | -                  | 9                  | 6                     | 13                      |                  |  |  |
|                         | BOP East                        | -           | -                  | 9                  | 8                     | 7                       |                  |  |  |
|                         | Regional Average for route type | 9           | 12                 | 15                 | 10                    | 8                       |                  |  |  |
|                         | Napier                          | 10          | 12                 | 11                 | -                     | 9                       |                  |  |  |
| Catchpit (Urban)        | Gisborne                        | -           | -                  | 0                  | 6                     | 5                       | 10               |  |  |
| (no. per km)            | East Waikato                    | 0           | -                  | 21                 | 13                    | 10                      | 10               |  |  |
|                         | BOP West                        | 8           | -                  | 9                  | 6                     | 13                      |                  |  |  |
|                         | BOP East                        | -           | -                  | 16                 | 7                     | 6                       |                  |  |  |
|                         | Regional Average for route type | 0           | 0                  | 1                  | 1                     | 1                       |                  |  |  |
|                         | Napier                          | 0           | 0                  | 2                  | -                     | 1                       |                  |  |  |
| Manholes (urban)        | Gisborne                        | -           | -                  | 0                  | 1                     | 0                       | 1                |  |  |
| (no. per km)            | East Waikato                    | 0           | -                  | 0                  | 1                     | 1                       |                  |  |  |
|                         | BOP West                        | 0           | -                  | 0                  | 0                     | 0                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 0                  | 0                     | 0                       |                  |  |  |
|                         | Regional Average for route type | 18          | 34                 | 136                | 27                    | 43                      |                  |  |  |
|                         | Napier                          | 107         | 34                 | 223                | -                     | 14                      |                  |  |  |
| Subsoil Drain (Rural)   | Gisborne                        | -           | -                  | 151                | 93                    | 148                     | 61               |  |  |
| (m per km)              | East Waikato                    | 0           | -                  | 0                  | 4                     | 2                       | 01               |  |  |
|                         | BOP West                        | 0           | -                  | 0                  | 0                     | 0                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 8                  | 34                    | 3                       |                  |  |  |
|                         | Regional Average for route type | 1389        | 1447               | 1620               | 1175                  | 923                     |                  |  |  |
|                         | Napier                          | 1488        | 1447               | 1815               | -                     | 1623                    |                  |  |  |
| Surfaced SWC (Urban)    | Gisborne                        | -           | -                  | 0                  | 426                   | 784                     | 1137             |  |  |
| (m per km)              | East Waikato                    | 0           | -                  | 1538               | 1189                  | 989                     | 1157             |  |  |
|                         | BOP West                        | 1155        | -                  | 1243               | 0                     | 0                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 1637               | 1237                  | 520                     |                  |  |  |
|                         | Regional Average for route type | 991         | 523                | 751                | 1315                  | 1131                    |                  |  |  |
|                         | Napier                          | 313         | 523                | 448                | -                     | 718                     |                  |  |  |
| Earth SWC (Rural)       | Gisborne                        | -           | -                  | 1087               | 1403                  | 1328                    | 1050             |  |  |
| (m per km)              | East Waikato                    | 782         | -                  | 1031               | 1407                  | 1174                    | 1000             |  |  |
|                         | BOP West                        | 1207        | -                  | 1259               | 642                   | 1671                    |                  |  |  |
|                         | BOP East                        | -           | -                  | 1379               | 1283                  | 1117                    |                  |  |  |
|                         | Regional Average for route type | 22          | 14                 | 18                 | 16                    | 15                      |                  |  |  |
|                         | Napier                          | 26          | 14                 | 16                 | -                     | 15                      |                  |  |  |
| Signs                   | Gisborne                        | -           | -                  | 19                 | 20                    | 15                      | 16               |  |  |
| (no. per km)            | East Waikato                    | 18          | -                  | 22                 | 16                    | 18                      | 10               |  |  |
|                         | BOP West                        | 20          | -                  | 21                 | 12                    | 8                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 18                 | 15                    | 12                      |                  |  |  |
|                         | Regional Average for route type | 5           | 2                  | 2                  | 1                     | 2                       |                  |  |  |
|                         | Napier                          | 17          | 2                  | 1                  | -                     | 2                       |                  |  |  |
| Streetlights            | Gisborne                        | -           | -                  | 0                  | 1                     | 2                       | 2                |  |  |
| (no. per km)            | East Waikato                    | 2           | -                  | 5                  | 3                     | 2                       | ~                |  |  |
|                         | BOP West                        | 0           | -                  | 0                  | 0                     | 0                       |                  |  |  |
|                         | BOP East                        | -           | -                  | 0                  | 0                     | 0                       |                  |  |  |





# **DATABASE HEALTH INDEX DASHBOARD - REPORTS**

#### **BOP EAST** Area:

Date: 9/09/2013

Breakdown of 10 Year FWP by Treatment Type



| Road Name  | Location | No. |
|------------|----------|-----|
| 005-0050-D | 0        | 1   |
| 005-0050-D | 541      | 1   |
| 005-0050-l | 0        | 1   |
| 005-0050-l | 541      | 1   |
|            | Total    | 4   |
|            |          |     |

Signalised Intersections in RAMM

Distribution of maintenance patch sizes by Hierarchy

Breakdown of Maintenance Cost Activities last 3 years



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

End Treatments in RAMM

| Sign Type   | No. |
|---|-----|
| Advance direction (Map) - "T" or cross roads            | 26  |
| Advance direction (Stack) - "T" intersection            | 8   |
| Feature TURN left/right ""m                             | 5   |
| Intersection Direction - "T"                            | 6   |
| Advance direction (Map) - Roundabout                    | 13  |
| Advance direction (Stack) - Cross roads                 | 6   |
| Advanced lane direction [Arrow]                         | 1   |
| Chevron Board   | 7   |
| Chevron Board - Advisory speed 45km/h                   | 1   |
| Confirmation Destination                                | 2   |
| Fire Hazard (Grapefruit sign)                           | 1   |
| Intersection Direction                                  | 6   |
| Intersection Direction - Urban with street name sign    | 1   |
| Intersection Direction - route marker with St.name sign | 1   |
| Intersection Direction - with route marker              | 3   |
| Intersection Direction [Arrow]                          | 15  |
| Major tourist attractions - special information         | 1   |
| Place Name  | 8   |
| Place Name  | 4   |
| STOP  | 1   |
| Side Road Junction - Controlled                         | 1   |
| Speed Limit   | 10  |
| Speed Limit 50km/h with PN-1                            | 4   |
| Speed Limit 70km/h                                      | 2   |
| Speed Limit 70km/h with PN-1                            | 10  |
| Speed Limit 80km/h with PN-1                            | 18  |
| Threshold Sign - Place Name + Speed Limit               | 9   |
| Tourist Heritage Trail                                  | 1   |
| Welcome To  | 4   |
| Total   | 175 |

| End Treatment Type                   | No. |
|--------------------------------------|-----|
| Armorflex X 350                      | 142 |
| Breakaway Cable Terminal (Bull Nose) | 138 |
| Breakaway Cable Terminal Unit        | 29  |
| Bridge Plate/Bridge Connector        | 88  |
| ET2000                               | 46  |
| Fishtail/Butterfly end               | 20  |
| Fleat 350                            | 78  |
| Fleat MT                             | 2   |
| M23 Compliant                        | 38  |
| Not Applicable                       | 17  |
| SKT 350                              | 40  |
| Terminal end                         | 33  |
| Texas Twist                          | 5   |
| Trailing End Anchor Units            | 2   |
| Total                                | 678 |

SEALORY

RECHIP

Activity

SERVCOVER

SURFOREN

Regional Strategic

STAB

WATERBLAST

SURFREP





# **DATABASE HEALTH INDEX DASHBOARD - REPORTS**

# Area: BOP EAST

Date: 9/09/2013

#### 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) |
|------------------------|------------|
| Long Life Flat         | 13005      |
| Long Life Profile      | 19318      |
| Paint                  | 1192911    |
| Raised Pavement Marker | 343440     |
| Reflectorised Paint    | 688643     |
| Thermoplastic Audible  | 41313      |
| Unknown                | 194506     |

| Road Name      | Location | Side |
|----------------|----------|------|
| 002-0223       | 7934     | R    |
| 002-0294       | 5996     | L    |
| 005-0029       | 2155     | R    |
| 005-0067       | 4350     | R    |
| 030-0131/06.10 | 11801    | L    |
| 030-0147/01.11 | 7488     | L    |
| 030-0147/01.11 | 7467     | L    |
| 030-0219       | 8018     | R    |
| 035-0000       | 3671     | L    |
| Total          | 9        |      |

| Gantries       |                |          |  |  |  |
|----------------|----------------|----------|--|--|--|
| Road Name      |                | Location |  |  |  |
| 005-0045/01.95 | -D             | 4498     |  |  |  |
| 005-0045/01.95 | 4158           |          |  |  |  |
| 005-0045/05.50 | 5547           |          |  |  |  |
| 005-0045/05.50 | 005-0045/05.50 |          |  |  |  |
| 005-0045/05.50 | 005-0045/05.50 |          |  |  |  |
| 005-0045/05.50 | 5623           |          |  |  |  |
| 005-0050-D     | 005-0050-D     |          |  |  |  |
| 030-0144       |                | 1036     |  |  |  |
| 030-0219       |                | 7042     |  |  |  |
| 30A-0000/01.22 | 2-D            | 1317     |  |  |  |
| 30A-0000/01.22 | 2-D            | 1957     |  |  |  |
| 30A-0000/01.22 | 1701           |          |  |  |  |
| 30A-0000/01.22 | 2-1            | 1859     |  |  |  |
| Tot            | 13             |          |  |  |  |

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Footpath and CycleWays

None





### **DATABASE HEALTH INDEX - PARAMETERS**

|                  | Measures Description   |   | Data Source  | Grading            | Greater than | Less than   | NZTA Target<br>Grade |
|------------------|--|---|--|--------------------|--------------|-------------|----------------------|
| Pavement and For | otpath Inventory   |   |  |                    | 1            |             |                      |
| Capital Projects | Major capital projects completed v<br>RAMM (in last 6 -30 months)                | Proportion of major capital projects<br>completed within in 6 - 30 months that have<br>been catpured in RAMM                          | NZTA Regional Office, RAMM   | N/A                | N/A          | N/A         | N/A                  |
| Capital Projects | Minor capital or safety improvement<br>projects v RAMM (in last 6 -30<br>months) | Proportion of minor capital or safety<br>improvement projects completed within in 6 -<br>30 months that have been catpured in<br>RAMM | NZTA Regional Office, RAMM   | N/A                | N/A          | N/A         | N/A                  |
|                  |  | Total length of Network with surface date   |  | Grade 1            | 8%           |             |                      |
|                  | % of Network surfaced in RAMM  | between 4-15 months old / total length of   | RAMM surface_structure, carr_way,  | Grade 2            | 5%           | 8%<br>5%    | Grade 1              |
|                  | over previous 4 – 15 months  | network   | treatment_length   | Grade 3            | 270          | 5%<br>2%    |                      |
|                  |  | Total length of Network with surface date >   |  | Grade 1            |              | 3%          |                      |
|                  | % Surfaces 50% older than  | 50% older than expected age / total length of   | RAMM surface_structure, carr_way   | Grade 2            | 3%           | 7%<br>15%   | Grade 2              |
| Surfacing        |  | network   |  | Grade 4            | 15%          | 1578        |                      |
| Curracing        |  | <b>T</b> ( ) ( ) ( ) ( ) ( ) ( ) ( )  |  | Grade 1            | E9/          | 5%<br>15%   |                      |
|                  | % of Network with no surfacing   | I otal length of Network with no surface<br>material / total length of network  | RAMM treatment_length, carr_way  | Grade 2<br>Grade 3 | 5%<br>15%    | 40%         | Grade 1              |
|                  |  |   |  | Grade 4            | 40%          |             |                      |
|                  | Illogical records (SAC with chipseal,  | No. Records with inconsistencies / No.  | PAMM carr way o surface  | Grade 1            | 59/          | 5%<br>15%   |                      |
|                  | Low and high widths, Alignment of  | carriageway sections  | traffic_loading, traffic_loading_dtl                                       | Grade 3            | 15%          | 40%         | Grade 1              |
|                  |  |   |  | Grade 4            | 40%          |             |                      |
|                  |  |   |  | Grade 2            | 70%          | 90%         |                      |
|                  | Proportion with layer information  | total length of Network with layer material /   | RAMM treatment_length, carr_way  | Grade 3            | 40%          | 70%         | Grade 3              |
|                  |  |   |  | Grade 4            | 20%          | 40%         |                      |
|                  |  | Total longth of Natural with lower date   |  | Grade 1            | 5%           | 2078        |                      |
| Pavement Layer   | New Layer length in 6 – 30 months  | between 6-30 months old / total length of   | RAMM pave_structure, carr_way,   | Grade 2            | 3%           | 5%          | Grade 2              |
|                  |  | network   | treatment_length   | Grade 3<br>Grade 4 | 1%           | 3%<br>1%    |                      |
|                  |  | Total No. illogical Records / total No<br>treatment lengths   | RAMM carr_way, treatment_length  | Grade 1            | 50/          | 5%          |                      |
|                  | Incorrect Surfacing)   |   |  | Grade 2<br>Grade 3 | 15%          | 40%         | Grade 1              |
|                  |  |   |  | Grade 4            | 40%          |             |                      |
| 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                  |
|                  |  | Total length of Network with length $< 20 \text{m}$ (   |  | Grade 1            | <b>F</b> 9/  | 5%<br>15%   |                      |
|                  | Proportion of very short < 20m TLs   | total length of network   | RAMM carr_way, treatment_length  | Grade 2<br>Grade 3 | 15%          | 40%         | Grade 1              |
|                  |  |   |  | Grade 4            | 40%          | <b>F</b> 9/ |                      |
|                  | Proportion of very long > 2000m  | Total length of Network with length > 2000m   | RAMM corr way treatment length   | Grade 1<br>Grade 2 | 5%           | 5%<br>15%   | Grada 1              |
|                  | TLs  | / total length of network   | RAMM can_way, treatment_length   | Grade 3            | 15%          | 40%         | Glade I              |
| Treatment Length |  |   |  | Grade 4<br>Grade 1 | 40%          | 5%          |                      |
|                  | Proportion of TLs with < 80%<br>coverage of major surfacing                      | Total length of Network with < 80% coverage of major surfacings / total length of network   | RAMM carr_way, treatment_length  | Grade 2<br>Grade 3 | 5%<br>15%    | 15%<br>40%  | Grade 1              |
|                  |  |   |  | Grade 4            | 40%          | 4070        |                      |
|                  |  |   |  | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
|                  | % updated in last 5 years  | Total No treatment lengths updated in last 5  | RAMM carr_way, treatment_length  | Grade 3            | 40%          | 70%         | Grade 2              |
|                  |  | ,00.0,000.00  |  | Grade 4<br>Grade 5 | 20%          | 40%<br>20%  |                      |
|                  |  |   | RAMM treatment length.   | 010000             |              | 2070        |                      |
|                  | Date FWP Last Updated  | Date FWP last updated   | fw_cell_treatment,<br>fw_programme_cell,<br>fw_programme_hdr, fw_treatment | N/A                | N/A          | N/A         | N/A                  |
|                  | Proportion of network identified for   |   | RAMM treatment_length,   | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
|                  | treatment in next ten years (date last   | Length of network identified for treatment in<br>the 10 year EWP / total network length   | fw_cell_treatment,   | Grade 3            | 40%          | 70%         | Grade 2              |
| Forward Works    | updated)   |   | fw_programme_hdr, fw_treatment   | Grade 4            | 20%          | 40%<br>20%  |                      |
| Programme        | EWP v surfacings (% surfacings in  | Total length of Network with surfacings with  | RAMM treatment_length,   | Grade 1            |              | 2%          |                      |
|                  | last year conflicting with first 2 years   | dates in last year with a treatment scheduled<br>in first 2 years of EWP (eycl 2nd coats) / total                                     | fw_cell_treatment,   | Grade 2<br>Grade 3 | 2%<br>5%     | 5%<br>6%    | Grade 1              |
|                  | of FWP exc 2nd coats)  | length in first 2 years of FWP  | fw_programme_hdr, fw_treatment   | Grade 4            | 8%           | 070         |                      |
|                  | Evidence of active MIS strategy  |   | RAMM treatment_length,   | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
|                  | reasons for treatments listed and  | Total length of Network with MIS strategy   | fw_cell_treatment,   | Grade 3            | 40%          | 70%         | Grade 1              |
|                  | detailed   |   | fw_programme_hdr, fw_treatment   | Grade 4<br>Grade 5 | 20%          | 40%<br>20%  |                      |
| Collected Data   |  |   |  |                    |              | 2070        |                      |
| Carriagourou     |  | Total patwork langth rated in the last year (   | DAMMA com way tractment longth   | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
| Rating           | Percentage rated in last year  | total network length  | rating   | Grade 3            | 40%          | 70%         | Grade 1              |
| -                |  |   |  | Grade 4<br>Grade 5 | 20%          | 40%<br>20%  |                      |
|                  | % network meeting standards for  | Total length of network with roughness  |  | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
|                  | roughness, rutting and texture   | rutting and texture surveyed in the last year /   | RAMM carr_way, treatment_length,   | Grade 3            | 40%          | 70%         | Grade 1              |
|                  | (Roads surveyed in last year)  | total network length  | nou_rough, nou_rutting,nou_textule   | Grade 4            | 20%          | 40%         |                      |
|                  |  |   |  | Grade 5            | 90%          | 20%         |                      |
| High Speed Data  | % network meeting standards for<br>EWD (Roads surroyed in last 5                 | Total length of network with FWD surveyed   | RAMM carr_way,   | Grade 2            | 70%          | 90%         | Grado 1              |
| nigh Speed Data  | years)   | in the last 5 years / total network length  | treatment_length,falling_weight  | Grade 3<br>Grade 4 | 20%          | 40%         | Grade I              |
|                  |  |   |  | Grade 5            | 000/         | 20%         |                      |
|                  | % network meeting standards for  | Total length of nativork with SODIM autorian  | PAMM corr wow  | Grade 1<br>Grade 2 | 90%<br>70%   | 90%         |                      |
|                  | SCRIM (Roads surveyed in last  | in the last year / total network length   | treatment_length,skid_resistance   | Grade 3            | 40%          | 70%         | Grade 1              |
|                  | year)  |   |  | Grade 4<br>Grade 5 | 20%          | 20%         |                      |





# **DATABASE HEALTH INDEX - PARAMETERS**

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





## **DATABASE HEALTH INDEX - PARAMETERS**

|                                 | Measures   | Description  | Data Source                                     | Grading   | Greater than             | Less than                | NZTA Target<br>Grade |
|---------------------------------|--|--|---|---|--------------------------|--------------------------|----------------------|
| Signs                           | Signs per km v Regional Average  | Total No. of signs per km vs regional<br>average per km  | RAMM carr_way, signs                            | Grade 1<br>Grade 2<br>Grade 3<br>Grade 4<br>Grade 5 | 90%<br>70%<br>40%<br>20% | 90%<br>70%<br>40%<br>20% | Grade 2              |
|                                 | 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                  |
|                                 | ITS VMS  | Total No. of ITS Assets (3VMS, 3MVMS,<br>3VMSS) and its_state = "In Service"   | RAMM carr_way, ud_its                           | N/A   | N/A                      | N/A                      | N/A                  |
|                                 | % of Signs with renewal date in previous 4 – 15 months                         | Total No. of signs renewed or replaced in last<br>4-15 months / total number of signs  | RAMM carr_way, signs                            | Grade 1<br>Grade 2<br>Grade 3<br>Grade 4            | 6%<br>4%<br>2%           | 6%<br>4%<br>2%           | Grade 2              |
|                                 | No. Frangible bases in RAMM  | Total No of signs with frangible bases   | RAMM carr_way, signs                            | N/A   | N/A                      | N/A                      | N/A                  |
| Streetlights                    | Streetlights per km v benchmark  | Total No. of street lights per km vs regional<br>average per km  | RAMM carr_way, sl_pole                          | Grade 1<br>Grade 2<br>Grade 3<br>Grade 4<br>Grade 5 | 90%<br>70%<br>40%<br>20% | 90%<br>70%<br>40%<br>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<br>in previous 4 – 15 months              | Total No. of street lights renewed or replaced<br>in last 4-15 months / total number of street<br>lights   | RAMM carr_way, sl_pole                          | Grade 1<br>Grade 2<br>Grade 3<br>Grade 4            | 6%<br>4%<br>2%           | 6%<br>4%<br>2%           | Grade 2              |
|                                 | Duplicates or near duplicates plus poles with no light or bracket              | Total No. Poles with no brackets attached,<br>total No. brackets with no light attached, total<br>No. poles with duplicate road_id, location,<br>offset_side, offset | RAMM carr_way, sl_pole,<br>sl_bracket, sl_light | Grade 1<br>Grade 2<br>Grade 3<br>Grade 4            | 5%<br>15%<br>40%         | 5%<br>15%<br>40%         | Grade 1              |
| Footpath &<br>Cycleways         | Total Length of footpath and<br>cycleways (see attached tables for<br>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<br>(see attached report for loactions)     | Number of signal Controlled Intersections<br>(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                  |



