

Extracted data details and disclaimer

The extracted data in the adjacent worksheets contain the following information:

- **RMPC Data - Financial Year 2011 to Financial Year 2021** (between 1 July 2010 and 30 June 2021)

Additional notes:

- **RTI - 2594**
- Reference number: **DR2771**
- Data extraction date: **14 June 2022**
- The data extracted from Roadlink on **14 June 2022** were current at that date.
- Data is based on **PARENT ACTIVITY TYPE** which is the main activity type for claims made under **RMPC**.
- Data for **PARENT ACTIVITY TYPE 700 - Traffic Delineation** for the period FY2013 to FY 2018 was provided by the Manager(contracts) State Programs Office.
- Additional references on activity types use the **Maintenance Activities pdf documentation** provided with this document.
- The **FINANCIAL YEAR** column was generated using the end date of the contract.
- Please note that **RMPC Claim data is commercial in confidence**.

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RMPC Data - Financial Year 2011 to Financial Year 2021 (between 1 July 2010 and 30 June 2021)

PARENT ACTIVITY TYPE	DESCRIPTION	Financial Year										
		FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
100	Sealed Surfaces	59,888,972.02	61,883,169.82	71,888,451.93	53,138,510.27	53,019,938.28	55,443,102.21	68,900,918.22	76,040,015.74	81,783,445.13	89,530,228.40	86,391,553.97
200	Unsealed Surfaces	22,573,969.37	24,533,868.94	31,318,739.43	29,966,052.36	33,055,588.85	33,597,113.28	38,921,110.43	43,693,076.80	47,682,122.87	51,067,749.85	52,282,301.41
300	Drainage	8,266,588.75	12,039,441.31	10,948,035.55	10,075,083.78	12,533,455.09	12,661,744.78	14,693,579.23	14,612,699.90	14,632,190.15	18,028,064.29	17,802,753.82
400	Roadside	61,557,116.76	57,154,652.48	62,687,765.49	47,681,256.68	59,709,085.35	63,651,192.31	64,620,003.23	63,808,223.76	63,195,930.42	62,619,630.99	78,445,469.57
500	Road Furniture	20,348,160.27	16,020,256.08	14,230,269.20	16,305,140.25	16,291,140.33	18,568,948.94	17,619,644.55	16,755,178.21	18,432,846.04	21,472,356.66	22,525,659.51
600	Lighting and Traffic Signals	12,380,122.83	13,348,443.48	14,103,348.20	16,036,617.33	17,859,581.83	20,457,366.39	19,799,420.48	26,699,246.29	28,696,294.82	31,200,636.47	33,497,541.26
700	Traffic Delineation	14,178,738.67	17,104,581.14	16,285,220.68	12,268,996.97	12,445,436.00	12,479,918.40	15,762,373.27	17,335,038.97	17,532,695.83	17,761,648.41	16,582,789.82
800	Structures	4,164,247.02	3,554,450.79	3,033,513.67	3,591,521.55	3,344,965.58	3,424,974.56	4,864,157.06	6,151,268.45	5,288,247.19	7,580,721.60	5,029,875.01
900	Overheads	5,467,620.74	5,667,335.43	5,194,199.65	6,880,894.30	10,913,418.58	10,893,325.08	12,515,067.00	3,134,295.28	12,164,751.64	14,874,414.25	13,997,396.95

Released under RTI - Disclosure

5 Chapter 5: Recommended Maintenance Activities

This chapter provides all recommended maintenance activities to rectify routine maintenance and some of other elements (rehabilitation, resurfacing and so on) defects. Maintenance Activity Payment Types (Section 5.2) and Maintenance Activity Standards (Section 5.3) provide in-depth knowledge to use maintenance activities. Contractors may use alternative cost effective maintenance activity standards that suits better for local conditions. However such maintenance activity standards must fully comply with departmental technical requirements and prior approval must be sought from Transport and Main Roads in order to use such activities to deliver maintenance works.

5.1 Maintenance Activity Descriptions - Summary

100 SEALED SURFACES

101 Edge Repair (Manual)

The manual repair with asphalt or premix, of isolated lengths of sealed pavement to restore the edges to line and level. Includes surface preparation and tack coating and the placing of shoulder material against the repair and compaction.

102 Edge Repairs (Mechanical)

The machine repair with asphalt or premix of sealed pavement edges to line and level. Includes surface preparation and tack coating.

103 Edge Repair with Emulsion/Aggregate

The machine repair with graded aggregate and emulsion using blower type compaction equipment of sealed pavement bituminous edges to line and level. Includes surface preparation and tack coating.

105 Pothole Patching

The repair with asphalt or premix of an isolated hole or series of holes in the roadway surface due to loss of material including:

- the removal of any cracked or loose material
- forming a vertical face at least 25 mm deep, on the hole edges, and
- surface preparation and tack coating.

106 Pothole Patching with Emulsion/Aggregate

The machine repair with graded aggregate and emulsion using blower type compaction equipment of an isolated hole or series of holes in the roadway bituminous surface.

107 Heavy Patching

The repair with asphalt or premix of any hole or series of holes on the roadway surface which results in a total patched area greater than 10 m². Repair includes:

- the removal of any cracked or loose material
- forming a vertical face at least 25 mm deep, on the hole edges, and
- surface preparation and tack coating.

110 Surface Correction with Premix/Asphalt (Manual)

The application by hand of a premix or asphalt levelling course to distorted and rutted areas of the bituminous surface.

111 Surface Correction with Premix/Asphalt (Mechanical)

The application by machine of a premix or asphalt levelling course to distorted and rutted areas of the roadway bituminous surface.

112 Surface Correction with Emulsion/Aggregate

The application of graded aggregate and emulsion using blower type compaction equipment to level distorted and rutted areas of the roadway bituminous surface.

115 Surface Enrichment

A light application of bituminous material, with or without fine aggregate cover, to increase the binder content of a bituminous surfacing.

116 Slurry Seal

The application of a slurry of polymer-modified bitumen emulsion and aggregate to an existing bituminous surface.

117 Reseal

The mechanical surface treatment of the existing roadway surface to seal the surface and restore surface life and/or skid resistance.

118 Seal Coating (Minor)

The surface treatment of short sections of existing roadway surface by resealing to seal the surface and restore surface life and/or skid resistance. Includes the supply of all materials and the protection of service box lids.

120 Fill Cracks

The cleaning and filling of cracks not wider than 20 mm in bituminous pavements with polymer-modified bitumen products.

121 Crack Treatment with Emulsion/Aggregate

The cleaning and filling of cracks in bituminous pavements with graded aggregate and emulsion using blower type compaction equipment.

122 Treat with Strain Alleviating Product

The application of a polymer-modified bitumen strain alleviating product to an existing bituminous surface to treat cracking.

123 Surface Strip Treatment of Cracks

The cleaning and filling of cracks wider than 20 mm in bituminous pavements and sealing with a surface strip treatment, such as:

- stick-on proprietary strips (polymer bitumen and/or geotextile based), or
- proprietary grids.

124 Concrete Joint and Crack Treatment

The routing, cleaning and filling of joints and cracks in concrete pavements to prevent infiltration of moisture into the underlying pavement structure.

125 Stitch Treat Cracks in Concrete Roadways

The stitching of cracks on concrete roadway surface using staple tie bars. Includes the provision of cleaned out chase out slots, appropriate resin mortar and a sealed crack groove.

126 Replacement of concrete joint sealant

Includes all activities in relation to the replacement of concrete joint sealant in concrete pavements

127 Concrete Pothole patching

Includes all associated activities involved in patching potholes in concrete pavements.

128 Jacking of concrete slabs

Includes all associated activities involved in jacking of concrete pavement slabs.

130 Surface Sweeping

The removal of all loose material accumulated on the road surface, by hand or mechanical sweeping, including hand removal or larger debris.

135 Surface Debris Removal

The removal of foreign debris from the roadway surface that may cause a safety hazard to the road user.

139 Other Bituminous Surface Work

Work carried out on the bituminous roadway surface not covered by Activities numbered 101, 102, 103, 105, 106, 107, 110, 111, 112, 115, 116, 117, 118, 120, 121, 122, 123, 130, 135 and 161.

140 Pavement Repairs (Manual)

The repair by hand of shoving pavement or asphalt surfacing (less than 1 m² in area) by removal of deteriorated pavement and/or asphalt and replacement with new pavement material and asphalt or an appropriate seal, to profile. May include treatment of subgrade materials and re-working, as appropriate.

141 Temporary Pavement Repairs (Mechanical)

The temporary repair of failed pavement through shoving by mechanical trimming of raised pavement to the level of the surrounding bitumen seal surface level. Includes the application of bituminous seal coat and cover aggregate over the trimmed areas.

142 Emergency Temporary Pavement Repairs

The emergency temporary repair to the roadway surface to eliminate hazardous conditions until permanent repairs can be made.

143 Pavement Repairs (Mechanical) - Minor

The repair by machine of shoving pavement or asphalt surfacing of size less than 500 m² by removal of deteriorated pavement and/or asphalt and replacement with new pavement material and asphalt, to profile. May include treatment of subgrade materials and re-working, as appropriate. Nominal depth of treatment is 200 mm. Treatment greater than this depth is covered by Activity numbered 144.

144 Pavement Repairs (Mechanical) - Major

The repair by machine of shoving pavement or asphalt surfacing of size less than 500 m² by removal of deteriorated pavement and/or asphalt and replacement with new pavement material and asphalt, to profile. May include treatment of subgrade materials and re-working, as appropriate. Refers to pavement repairs greater than 200 mm nominal depth.

145 Scarify and Reshape Existing Pavement

The repair by machine of out of shape bituminous pavement (less than 500 m²), by scarifying and reshaping the existing pavement to profile including appropriate bituminous surfacing works. May include the addition of some additional paving material to maintain road profile, as appropriate.

150 Insitu-stabilisation

The stabilisation in place of a subgrade or an existing pavement (less than 500 m²). May include the addition of paving material to maintain profiles as appropriate. See Activities numbered 151 and 152 for the supply and cartage of paving material respectively.

151 Gravel Supply-Insitu Stabilisation

The supply of paving material for Activity numbered 135, Insitu Stabilisation. Includes all costs associated with the winning of the material for the works.

152 Gravel Cartage-Insitu Stabilisation

The cartage of paving material for Activity numbered 150, Insitu Stabilisation. Includes all costs associated with the loading and cartage of the material to the work site.

155 Asphalt Overlay

Application of an asphalt overlay to an existing distressed pavement (less than 500 m²).

156 Replace Excavated Asphalt

The restoring to level with new asphalt of areas where deteriorated asphalt has been excavated.

157 Excavate and Replace Asphalt

The excavation of deteriorated asphalt and the restoration to profile with new asphalt in one operation.

160 Recycling

The heating and removal of an existing asphalt surface, the incorporation of rejuvenating agent and new hot-mixed asphalt, and the relaying and compaction of the mixed material.

161 Profile Planing

The planing back of asphaltic concrete roadway surface profile to sound material or specified depth. Does not include replacement with new asphaltic concrete material.

169 Other Pavement Work

Any work on the sealed roadway pavement not covered by Activities numbered 140, 141, 142, 143, 144, 145, 150, 151, 152, 155, 156, 157 and 160.

200 UNSEALED SURFACES

201 Light Formation Grading

The light trimming by grader of unsealed formation surface to restore rideability.

202 Medium Formation Grading

The grading of unsealed formation to reinstate the correct profile. Includes degrassing, incorporation of water and compaction. Does not include scarifying or addition of imported gravel/material from outside the worksite to build up existing material. A nominated maximum one way lead distance of twenty (20) km applies for water cartage.

203 Heavy Formation Grading

The grading of unsealed formation to reinstate the correct profile. Includes degrassing, scarifying, the incorporation of water and proper compaction. May include the addition of imported gravel/material in isolated areas where the gravel crust is broken or there is change in the surface composition. Also includes treatment of adjacent surface drainage. A nominated maximum one way lead distance of twenty (20) km applies for water cartage.

204 Gravel/Material Supply - Heavy Formation Grading

The supply on site of imported gravel/material that may be required to reinstate the correct profile and or level when carrying out Activity numbered 203, Heavy Formation Grading. Includes all operations involved with winning, loading and cartage of the gravel/material to the job site.

205 Resheeting

The addition of imported gravel/material to the running surface to reinstate to the correct profile/height above the natural surface, improve the quality of the surface material or to obtain an acceptable running course depth. Includes degrassing, scarifying and preparation of the existing formation and the incorporation of water and proper compaction of the formation and imported gravel/material.

A nominated maximum one way lead distance of twenty (20) km applies for water and gravel/material cartage. For greater cartage distances, see Activities numbered 230 and 231.

206 Remove Formation Material and Replace if Required

The removal of unsuitable formation material and the reinstatement to correct profile. May include the actual replacement of the existing formation material.

207 Formation Mechanical Stabilisation

The addition of selected imported gravel/material to existing formation material to improve the mechanical stability of the material. Includes winning, loading and cartage of imported gravel/material, degrassing, scarifying and preparation of the existing formation, the incorporation of water and the proper mixing and compaction of the stabilised formation material.

208 Accessibility Grading

The light trimming by grader of unsealed formation material to restore access for light vehicles.

214 Other Formation Work

Any work on formation not covered by Activities numbered 201, 202, 203, 204, 205, 206, 207, 208, 230 and 231.

215 Light Shoulder Grading - Rural

The grading of unsealed shoulders located in a rural environment (greater than 60 kph speed restriction) to remove vegetation. Includes the removal of any windrows of vegetation and other debris that may otherwise impede drainage or encourage scour.

216 Heavy Shoulder Grading - Rural

The grading of unsealed shoulders located in a rural environment (greater than 60 kph speed restriction) to reinstate the correct profile. Includes the incorporation of water and proper compaction of the shoulder material. May include the addition of imported gravel/material. A nominated maximum one way lead distance of twenty (20) km applies for water cartage.

217 Light Shoulder Grading - Urban

The grading of unsealed shoulders located in an urban environment to remove vegetation. Includes the removals of any windrows of vegetation and other debris that may otherwise impede drainage or encourage scour.

218 Heavy Shoulder Grading - Urban

The grading of unsealed shoulders located in an urban environment to reinstate the correct profile. Includes the incorporation of water and proper compaction of the shoulder material. May include the addition of imported gravel/material.

219 Gravel/Material Supply-Heavy Shoulder Grading

The supply on site of imported gravel/material that may be required to reinstate the correct profile and or level when carrying out Activities numbered 216, Heavy Shoulder Grading-Rural and 218, Heavy Shoulder Grading-Urban. Includes all operations involved with winning, loading and cartage of the gravel/material to the job site.

220 Shoulder Pothole Patching

The manual placement and compaction of gravel into an isolated pothole or series of potholes in a gravel shoulder.

This Activity would normally be undertaken as a temporary measure to make a road shoulder safe until Activities numbered 221 or 216, Resheeting or Heavy Shoulder Grading, can be completed.

221 Resheeting

The addition of material to unsealed shoulders to correct excess shoulder crossfall and/or reduced shoulder width. A nominated maximum one way lead distance of twenty (20) km applies for water and gravel/material cartage. For greater cartage distances, see Activities numbered 230 and 231. Work includes:

- removal of vegetation
- scarifying, shaping existing material and compacting, and
- incorporation of water, if required and compaction and trimming of added material, and
- reinstatement of roadside furniture.

222 Remove Shoulder Material and Replace if Required

The removal of unsuitable shoulder material and the reinstatement to correct profile. May include the replacement of the existing shoulder material.

229 Other Unsealed Shoulder Work

Any work on unsealed roadway shoulder not covered by Activities numbered 215, 216, 217, 218, 219, 220, 221, 222, 230 and 231.

230 Abnormal Water Cartage

The cartage of water over lead distances greater than the nominated maximum limit for normal cartage of twenty (20) km: Applies to works carried out under Activities numbered 202, 203, 205, 216 and 221.

231 Abnormal Gravel/Material Cartage

The cartage of gravel/material over lead distances greater than the nominated maximum limit for normal cartage of twenty (20) km: Applies to works carried out under Activities numbered 221 and 215.

300 DRAINAGE

301 Install Earth Surface Drain

All work and materials associated with the installation of new, or the improvement of existing, earth surface drains. Includes diversion, catch, batter and table drain work. Does not include work associated with the installation of new culvert structures, see Activity numbered 320.

302 Repair Earth Surface Drains

The repair to correct profile and level of damaged earth surface drains.

303 Install Concrete Surface Drains

All work and materials associated with the installation of new, or the improvement of existing, concrete surface drains. Includes diversion, catch, batter and table drain work. Does not include work associated with the installation of new culvert structures. See Activity numbered 320.

304 Repair Concrete Surface Drains

The repair to correct profile and level of damaged concrete surface drains.

305 Clean Earth and Concrete Surface Drains

The restoration of existing earth and concrete drains that are ineffective due to insufficient depth or insufficient grade.

306 Repair or Replace Concrete Slabs or Paving Blocks, Kerbs and Dykes

The repair or replacement of concrete or paving blocks, kerbs and dykes.

310 Installation and Removal of Erosion and Sediment Control Measures

All works associated with the installation of erosion and sediment control devices to control run off from areas of exposed earth resulting from maintenance operations.

311 Maintenance of Erosion and Sediment Control Measures

All works associated with the maintenance of erosion and sediment control devices installed under Activity numbered 769 to ensure proper functioning of the facility in service.

312 Service Sedimentation Ponds

All works associated with the routine servicing of roadside sedimentation ponds to ensure their planned operation in service is not compromised.

313 Repair Sedimentation Ponds

All works associated with the repair of sedimentation ponds to ensure the facility operates effectively in service.

319 Other Surface Drain Work

Any work related to earth and concrete surface drains not covered by Activities numbered 301, 302, 303, 304, 305, 306, 310, 311, 312, 313 and 326.

320 Install Culverts and Pipes

All work associated with the installation of a new culvert or pipe facility. Includes back filling to profile and the provision of associated catch and outlet surface drains.

321 Clean Culverts, Pipes and Pits - Minor

The cleaning by hand tools of debris and silt impeding the free flow of water through culverts, pipes and pits and their inlets and outlets.

322 Clean Culvert, Pipes and Pits General - Major

The cleaning by machine of debris and silt impeding the free flow of water through culverts, pipes and pits and their inlets and outlets.

323 Repair Concrete Culverts, Pipes and Pits

The repair of damaged concrete culverts, pipes and pits.

324 Repair Steel Drainage Structures

The repair of damaged or deteriorated steel culverts structures or pipes.

325 Repair Inlet and Outlet Scour

All work associated with restoring scoured areas of drainage inlet and outlets to a stable condition.

326 Repair or Install Scour Blocks

All work and materials associated with the installation of new or the repair of existing scour blocks.

327 Replace or Install Cut Off Walls

The replacement or installation of cut off walls to drainage structures.

329 Other Culvert, Pipe and Pit Work

Any work carried out to Culverts, Pipes or Pits not covered by Activities numbered 320, 321, 322, 323, 324, 325 and 327.

330 Install Subsoil Drains

Excavate the road formation and install subsoil drains, backfill and restore pavement and shoulder as required. Does not include work carried out in conjunction with pavement repair works - see Activities numbered 140, 143 and 144.

331 Inspect and Service Subsoil Drains

Inspection and servicing of subsoil drains. Includes routine drain flush out and the removal of all vegetation and other material which could restrict the flow of water from the subsoil drains as well as the repair or replacement of missing or damaged marker posts.

332 Repair Subsoil Drains

Excavate the road formation and repair subsoil drains, backfill and restore pavement and shoulder as required.

339 Other Subsoil Drain Work

Includes work carried out on subsoil drain systems not included under Activities numbered 330, 331 and 332.

340 Clean Floodways

The cleaning of debris, silt and regrowth of vegetation from floodway sections.

341 Repair Floodways

The reinstatement of damaged or deteriorated floodway structures. Includes work carried out on scour repairs to concrete and stone pitched batter and apron protection.

342 Repair Floodway Slopes and Margins

The repair of deteriorated or damaged concrete slopes and margins to original cross section. Includes the supply of all materials.

349 Other Floodway Work

Includes work carried out on floodway structures not included under Activities numbered 340, 341 and 342 inclusive.

400 ROADSIDE

401 Tractor Slashing, Rural

The tractor slashing of vegetation within the road reserve in a rural environment. Excludes herbicide spraying around guide posts, refer Activity numbered 407.

402 Tractor Slashing, Urban

The tractor slashing of vegetation within the road reserve in urban built up areas.

403 Tractor Slashing - Boom Mower

The tractor slashing of vegetation within the road reserve using a boom mower attachment.

404 Hand-Mowing

The mowing of grass and vegetation by hand-mower and/or brush cutter.

405 Clearing

The removal or pruning of all roadside vegetation, other than grass, for the purpose of aesthetic or visibility clearing. Includes trees too close to the road and branches/trees likely to fall on the road. Also includes chipping, grading, weeding and burning operations.

406 Herbicide Spot Spraying Declared Plants

The identification and eradication of declared plants within the road reserve (including rest areas owned by TMR) includes either sprayed or manual application of chemical herbicide. Excludes the spraying of other plants carried out under Activity No 407.

407 Herbicide Spraying

The supply and application by spraying of chemical herbicide for the control of declared plants and other vegetation.

408 Tractor Treatment, Chemical

The chemical treatment of vegetation within the road reserve by tractor mowing.

409 Seeding or Planting

The supply, planting and maintenance of shrubs and trees including fertilising, watering, mulching and weeding.

410 Landscape Planting - Urban

The supply, planting and maintenance of shrubs and trees including fertilising, watering, mulching and weeding in an urban environment.

411 Maintain Landscaped Shrubs

All works associated with the ongoing maintenance of plants, shrubs and trees planted under Activity No 410. Includes fertilising, watering and weeding of facility.

412 Mulching

The treatment of roadside by mulching to eliminate the growth of vegetation. Includes poisoning of existing ground cover supply and placing of a weed inhibiting membrane and laying of mulch material.

415 Roadside Burning Off

All works associated with the treatment of vegetation on the road reserve through a management burn program. The works may be required as a hazard reduction measure or for ecological purposes.

419 Other Vegetation Control Works

Any work carried out to control vegetation on the road reservation not covered by Activities numbered 182, 765 and 411 to 418 inclusive.

420 Roadside Litter Collection - Rural

The collection and disposal of litter and rubbish, whether from bins located along the right of way or from the right of way itself, in rural areas. Includes the repair and maintenance of receptacles. See Activity numbered 421 for litter collections in urban built up areas.

421 Roadside Litter Collection - Urban

The collection and disposal of litter and rubbish, whether from bins located along the right of way or from the right of way itself in urban build up areas. Includes the repair and maintenance of receptacles.

422 Graffiti Removal

The removal of graffiti from road infrastructure assets.

423 Roadside Sweeping

The removal of all loose material from the edges of the road surface and from the road lines by mechanical means, including hand removal of larger debris. Does not include sweeping of large areas or intersections, refer Activity numbered 130.

424 Removal of Unauthorised Signs

The removal of unauthorised signs from the road reservation.

425 Earthworks, Visibility Clearing

Excavation undertaken to clear visibility lines.

426 Repair Stability Problems

Excavate unstable material, install geotextile, rockfill and/or subsoil drains, backfill the road formation and restore pavement and shoulder as required by the design approved by the District Manager.

427 Exclusion Zone Fencing (Cultural Heritage Sites)

All activities associated with isolating cultural heritage sites including fencing.

429 Other Roadside Work

Any work carried out on the roadside not covered by Activities numbered 420, 421, 422, 423, 424, 425 and 426.

430 Services Restoration

All works necessary to restore the roadway to an acceptable condition resulting from works undertaken by Service Authorities in the road reserve. Includes cost of necessary traffic control.

439 Other Restoration Work

Any other restoration work done not covered by Activities numbered 430 and 452.

440 Rest Area Servicing

The servicing of all aspects of rest areas controlled by Queensland Department of Main Roads, necessary for the safety and convenience of the public.

441 Driver Reviver Site Servicing

The routine servicing of locations on the road reserve used as "Driver Reviver Sites". Excludes servicing work carried out where a Rest Area is used as a "Driver Reviver" site, refer Activity numbered 440.

449 Other Services Work

All works associated with any other roadside service type Activity undertaken in addition to that associated with Activities numbered 440 and 441.

450 After Hours Call Out Service

All activities undertaken following an after hours call out, by the Police or other recognised authority, to an emergency situation on the road network.

452 Emergency Call Out Activities

All activities undertaken following a call out, by the Police or recognised authority, to an emergency situation on the road network.

500 ROAD FURNITURE

501 Install New Signs (excluding Guide Signs)

The installation of new signs excluding guide signs where none previously existed. Work includes supply of posts and fittings.

502 Repair Signs (excluding Guide Signs)

The repair of damaged or deteriorated sign faces excluding guide signs and supports. May include the replacement of damaged or deteriorated facilities with new sign facings and/or supports at that location.

503 Relocate Existing Signs (excluding Guide Signs)

All work associated with the relocation of existing signs excluding guide signs.

504 Cleaning Signs

The cleaning of sign faces to remove dirt and other contaminants to restore the reflectivity and appearance of signs.

505 Install New Guide Signs

The installation of new guide signs where none previously existed. See Activity numbered 501 for the installation of other types of signs.

506 Repair Guide Signs

The repair of damaged or deteriorated guide sign faces and supports. May include the replacement of damaged or deteriorated facilities with new sign facings and/or supports at that location.

507 Relocate Guide Signs

All work associated with the relocation of existing guide signs. See Activity numbered 503 for the relocation of other types of signs.

509 Other Sign Work

All other signwork not covered by Activities numbered 501, 502, 503, 504, 505, 506 and 507.

510 Install New Guide Markers

The provision of guide markers to delineate the road alignment.

511 Clean and/or Paint Guide Markers

The cleaning of guide markers to remove dirt and other contaminants and restore their white colour.

512 Repair or Replace Guide Markers

The repair or replacement of guide markers to restore delineation of the road alignment.

513 Replace Guide Post Delineators

The replacement of guide post delineators to restore delineation of the road alignment.

514 Repair Guide Markers

The repair of roadside guide markers to restore delineation of the road alignment.

515 Replace Guide Markers

The replacement of defective roadside markers with new markers to restore delineation of the road alignment.

519 Other Guide Post and Marker Work

Any other work carried out to guide posts and markers not covered by Activities numbered 510, 511, 512, 513, 514 and 515.

520 Install New Guard Rail, Barrier Furniture

The installation of steel beam guard-rail, including materials, and application of all protective coatings.

521 Clean and/or Paint Guard Rail, Barrier Furniture

The cleaning of guardrail and barrier furniture to remove dirt and other contaminants and/or its painting.

522 Repair or Replace Guard Rail, Barrier Furniture

The repair or replacement of damaged guardrails/barrier furniture.

523 Repair Guardrail Barrier Furniture

All works associated with the repair of damaged roadside guardrail or other barrier furniture.

524 Replace Guardrail, Barrier Furniture

All works associated with the replacement of damaged roadside guardrail or other barrier furniture with new barrier materials.

525 Replace Guardrail Delineators

All works associated with the replacement of defective delineators on roadside guardrail furniture.

530 Repair Wire Rope Barrier

All works associated with the repair of damaged roadside wire rope barrier furniture.

532 Repair Ingal Barrier

All works associated with the repair of damaged roadside ingal barrier furniture.

534 Repair Impact Barrier Furniture

All work associated with the repair or replacement of special purpose impact roadside facilities. Does not include the repair of damaged roadside barrier furniture, refer Activities numbered 522, 523, 524, 530 and 532.

550 Emergency Roadside Phone Repairs

The repair or replacement of emergency roadside phones to restore operation.

551 Emergency Roadside Phone Servicing

All works associated with the routine servicing of roadside emergency phones. Includes inspections to monitor serviceability of the phones, servicing and minor repair works.

559 Other Furniture Repairs

Any other work carried out to barrier furniture not covered by Activities numbered 520, 521, 522, 523, 524, 525, 530, 532, 534, 550 and 551.

600 LIGHTING AND TRAFFIC SIGNALS

601 Replace Lamps and Clean Lenses (Bulk Change)

The replacement of all lamps whether defective or otherwise and cleaning of lenses according to a regular maintenance program (Preventative Maintenance).

602 Replacement Defective Lamps and Clean Lenses (Emergent Change)

The replacement of any defective lamps and cleaning of lenses if necessary due to fault call-out (Response Maintenance).

603 Replace Lamps and Clean Emitting and Reflecting Surfaces - Scheduled (Bulk)

The replacement of all lamps whether defective or otherwise and the cleaning of emitting and reflective surfaces according to a regular maintenance program (Preventative Maintenance).

604 Replace Lamps and Clean Emitting and Reflecting Surfaces - Individual (Unscheduled)

The replacement of any defective lamps and cleaning of emitting and reflective surfaces due to a fault call-out.

605 Clean Light Emitting and Reflecting Surfaces - Scheduled (Bulk)

The cleaning of emitting and reflective surfaces of lighting and power installations according to a regular maintenance program (Preventative Maintenance).

606 Modify Traffic Signals - Add Lanterns

The installation of extra lanterns to existing posts, poles or outreaches including:

- disconnection of existing loop wire from detector feed cable
- cutting of new loop slot
- placing of new loop wire
- filling of slot after cleaning
- jointing of new loop wire to existing detector feed cable.

607 Modify Traffic Signals - Remove Lanterns

The removal of lanterns from posts, poles or outreaches including:

- disconnecting lantern cable cores from finial terminals
- removal of lantern including straps

608 Routine Lighting and Power Servicing

All routine servicing work carried out to lights including cleaning using relamping buckets. Includes street and bridge lighting, feature lighting, lighting on pedestrian structures and crossings and navigation lighting on bridges where applicable.

609 Lighting and Power, General

General work carried out to lighting facilities. Includes repairs (excluding associated electrical pits) and improvements, to facilities.

610 Routine Signals Servicing

Work carried out for Preventative Maintenance to designated items of signals installation according to a maintenance interval program.

619 Traffic Signal Work, General

General work carried out to traffic facilities. Includes non-routine servicing, repairs, improvements, call out activities, loop repairs and works associated with traffic performance investigations.

620 Repair Inductive Loops

The disconnection and rejoining of faulty connection of loop wire to detector feed cable.

621 Inductive Loops (Re-cut Loop)

The cutting of a new detector loop including:

- disconnection of existing loop wire from detector feed cable
- cutting of new loop slot
- placing of new loop wire
- filling of slot after cleaning
- jointing of new loop wire to existing detector feed cable

622 PSC Controllers - Install New Personality

The removal of existing personality, the installation of a new personality and viewing of at least one complete phase sequence of traffic signals to verify its correct operation.

623 Replace Pedestrian Crossing Push Buttons

The replacement of standard type pedestrian push buttons with audio tactile type including driver unit.

624 Traffic Signal - Coordination Servicing

To be advised.

627 CCTV (Closed Circuit Television) Maintenance and Servicing

All works associated with maintaining CCTVs.

628 VMS (Variable Messaging Signs) Maintenance and Servicing

Covers all activities associated with maintaining VMSs.

629 Routine Traffic Management Equipment Servicing

All works carried out for Preventative Maintenance to designated items of traffic management equipment according to a maintenance interval program.

630 Accident Damage - Straighten Bent Post and Reinstate Post Foundation

The straightening of a bent post and/or bent foundation bolts caused by an accident.

631 Accident / Storm Damage - Re-aim Lanterns

The re-aiming of lanterns displaced by an accident or storm.

632 Accident Damage - Replace Lanterns, Posts and Foundations

The replacement of any damaged lanterns, posts and foundations caused by an accident that are unable to be satisfactorily repaired.

633 Accident Damage - Replace Post and Foundations and Reinstate Lanterns from Old Post

The removal of lanterns not damaged, replacement of accident damaged post and foundation unable to be reinstated and reinstatement of existing lanterns.

634 Reinstate Damaged Poles and Lighting

All works associated with the reinstatement of damaged light and power pole supports and associated fittings.

635 Repair Minor Damage to Electrical Pits

All works associated with the repair of minor damage to electrical pits associated with lighting or power asset facilities.

636 Replace Damaged Pit Covers

The replacement of damaged pit cover/s with new cover and disposal of damaged cover.

637 Replace Damaged Electrical Pit Covers

The replacement of damaged electrical pit covers with new covers. Includes the proper disposal of the damaged cover.

640 Repair Damaged Pits

The removal, disposal and replacement of damaged pits including cover/s where necessary.

641 Repaint Controller

The cleaning down including removal of posters and repainting of controller cabinet.

642 Repaint Mast Arms including Hardware

The cleaning down including removal of posters and repainting of mast arms and associated hardware.

643 Repaint Posts including Hardware

The cleaning down including removal of posters and repainting of posts and associated hardware.

650 After Hours Call Out

The after hours inspection of a traffic signals site due to a fault report to ascertain fault and make site safe but not including remedial action required.

700 TRAFFIC DELINEATION

701 Repaint Road Centre Lines, Minor

702 Repaint Road Centre Lines, Major

703 Repaint Double Barrier Lines – Day work

704 Paint New Yellow Line

705 Repaint Yellow Line

709 Repaint Double Barrier Line, General

710 Repaint Road Edge Lines, Minor

711 Repaint Road Edge Line, Major

712 Repaint Edge Lines, 100mm Width

713 Repaint Edge Lines – 150mm Width

714 Repaint Unbroken Lane Line, General

719 Repaint Single Barrier Line, General

720 Repaint Single Broken Lines

721 Repaint Barrier Broken Lines

722 Repaint Broken Lane Line, General

723 Repaint Continuity Line, General

724 Repaint Broken Line, General

725 Repaint 150 mm Outline, General

All work associated with the renovation of road line marking in general. Includes sweeping, spotting, symbolising and repainting.

729 Urban Line Marking - Minor

All works associated with minor line marking of lines and markings in an urban built up environment.

730 Repaint Lateral Markings

All works associated with the renovation of road line marking using water based paint. Includes sweeping, spotting, symbolising and repainting.

731 Remark Road Markings

The renovation or replacement of road marking. Includes transverse lines, chevrons, arrows, legends and painted medians.

735 Thermoplastic Line Marking

All works associated with the use of thermoplastic material to mark new lines or markings or retreat deteriorated existing lines and markings.

736 Audiotactile Linemarking

All works associated with the use of audiotactile materials to mark new lines or markings or retreat existing lines or markings.

740 Raised Pavement Markers

The installation of new or replacement of missing raised pavement markers. Includes the supply of markers.

745 Remove Unwanted Road Lines

All works associated with the removal of unwanted roadlines.

750 Remove Unwanted Markings by Grinding

All works associated with the removal of unwanted road markings by grinding.

759 Line Marking - General

Any line marking works not covered by Activities numbered 701, 702, 703, 704, 705, 709, 710, 711, 712, 713, 714, 719, 720, 721, 722, 723, 724, 725, 729, 730, 731, 735, 736, 740, 745 and 750.

800 STRUCTURES

801 Routine Bridge Servicing (Concrete)

All works associated with the routine servicing of concrete components of bridges. Includes tightening of nuts, bolts and plates, clearing of the deck surface and scuppers of debris and other foreign materials and the cleaning of girder bearing areas.

802 Routine Bridge Servicing (Steel)

All works associated with the routine servicing of steel components of bridges. Include tightening of nuts, bolts and plates, clearing of the deck surface and scuppers of debris and other foreign materials and the cleaning of girder bearing areas.

803 Routine Bridge Servicing (Timber)

All works associated with the routine servicing of timber components of bridges. Include tightening of nuts, bolts and plates, clearing of the deck surface and scuppers of debris and other foreign materials and the cleaning of girder bearing areas.

805 Reinstatement/Repaint Handrails and Guardrails

All works associated with the routine reinstatement-repainting of hand rails and guard railings along the bridge structure.

806 Repair Deck Wearing Surface

Details to be advised.

807 Repair Footway Surface

All works associated with the repair of damaged footway surfaces associated with structures on the roadway.

809 Routine Bridge Servicing, General

Minor maintenance works carried out to timber and concrete bridge structures of a Preventative Maintenance servicing nature. For example:

- tightening of nuts, bolts and plates etc.
- painting of hand rails and guard railings along the bridge structure
- routine clearing of the deck surface and scuppers of debris or other foreign materials
- minor emergency reinstatement-replacement of isolated items such as timber deck, running plank, kerb or rails and concrete kerbs, rail posts
- termite treatment in timber bridges
- minor works necessary to maintain a free flowing waterway such as the clearing of trees and vegetation, and
- cleaning of girder bearing areas
- minor repairs to spalled areas.

810 Clean Out Expansion Joints and Associated Drains

All works associated with the cleaning out of membranes and associated drains and the removal of foreign objects from deck expansion joints.

Note: Some joints may have membranes covered by plates. The works include the removal of plates, cleaning of the membrane and plate reinstatement in these instances.

811 Clean Out Vent Holes in Superstructure

All works associated with the cleaning out of vent holes in bridge superstructures and the removal of foreign objects.

812 Clean Bearings, Bearing Sills and Sill Drains

All works associated with the cleaning of bridge bearings, bearing sills and sill drains and the removal of foreign objects.

813 Tighten / Replace Concrete Deck Joint Bolts

All works associated with the tightening of loose bolts in bridge deck joints. Includes the replacement of any missing bolts.

815 Replace/Repair Expansion Joints (Concrete)

All works associated with the repair or replacement of missing or damaged bridge expansion joints of concrete deck bridge types to provide an adequate seal to protect the bridge components from the ingress of moisture and foreign material.

819 Bridgework, Other Structural (Concrete)

All other structural works carried out to concrete components of bridges not covered by Activities numbered 801, 815 and 851.

820 Clean/Repaint Steel Elements

The preparation by appropriate cleaning and repainting of steel elements of bridge structures.

821 Clean Aggressive Contamination from Steel Girders

All works associated with the removal by cleaning of aggressive materials from steel girders to prevent contamination of the material.

822 Repair Minor Damage to Steel Elements

All works associated with the repair of minor damage to steel elements of bridge structures.

823 Replace/Repair Expansion Joints (Steel)

All works associated with the repair or replacement of missing or damaged bridge expansion joints on bridges of predominately steel construction to provide an adequate seal to protect the bridge components from the ingress of moisture and foreign materials.

829 Bridgework, Other Structural (Steel)

Any other structural work carried out to steel elements of bridge structures not covered by Activities numbered 822 and 823.

830 Tighten / Replace Timber Joint Bolts

All works associated with the tightening of loose bolts on timber bridge components. Includes the replacement of any missing bolts.

831 Timber Preservative / Water proofing Treatment

All works associated with the water proofing of timber bridge components using a timber preservative product. Includes the coating of damaged areas, holes and exposed end grains with diffusing preservative and water proofing ends of timber members, if required.

832 Temporary Propping of Defective Timber Components

All works associated with the temporary propping of defective timber components on a structure until permanent repairs can be undertaken.

833 Reinstate Timber Piles

All works associated with the removal and replacement or splicing of deteriorated unserviceable timber piles of bridge structures.

834 Repair/Replace Timber Corbels

The removal and replacement or repair of any timber bridge corbel determined to be in an unserviceable structural condition.

835 Repair / Replace Timber Headstocks

All works associated with the removal and replacement or repair of any timber bridge headstock determined to be in an unserviceable structural condition.

836 Replace Timber Girders

The removal and replacement of any timber bridge girder in an unserviceable structural condition.

837 Replace Deck Planks with New Planks

The removal and replacement of any timber bridge deck plank in an unserviceable structural condition.

838 Repair/Replace Kerbs

The removal and replacement or repair of any timber or concrete bridge kerb determined to be in a dangerous or unserviceable structural condition.

839 Treat for Termites

All works associated with the treatment by poisoning of termite infestations in timber components of timber bridges.

849 Bridgework, Other Structural (Timber)

All other structural works carried out to timber components of bridges not covered by Activities numbered 803, 833, 834, 835, 836, 837, 838 and 852.

850 Replace/Repair Relieving Slabs

All works associated with the repair or replacement of cracked and unserviceable relieving slabs to bridge structures.

851 Repair Spalled and Cracked Structural Concrete Elements

All works associated with the refurbishment of spalled and cracked concrete sections of concrete components of bridges.

852 Repair Spalled and Cracked Structural Concrete Elements

All works associated with the refurbishment of spalled and cracked concrete elements on bridges of predominantly timber construction. Includes concrete kerbs and rail supports.

853 Repair Spalled and Cracked Structural Concrete Elements

All works associated with the refurbishment of spalled and cracked concrete elements on bridges of predominantly steel construction. Includes concrete kerbs and rail supports.

854 Clean Out Abutment and Wing Wall Weepholes

All works associated with the cleaning out of weepholes in abutments and wing walls to ensure the free flow of seepage waters.

855 Repair/Replace Batter Protection

All works associated with the reinstatement-replacement of deteriorated or damaged bridge batter protection works of bridge structures.

856 Clean Out Waterways

All works required to maintain a free flowing bridged waterway. Includes the clearing of trees and other vegetation and any debris load on the structure in the waterway. Includes the proper disposal of cleared materials away from the waterway.

859 Bridge Work, General

All general works of a non-routine nature carried out to timber, concrete and steel bridge components not covered by Activity numbered 809.

860 Routine Grid Servicing

All work of a routine nature necessary to maintain a sound and effective grid. Includes desilting of opening and up keep of grid hazard signs.

861 Repair or Replace Grids

All works associated with the repair of defective grids. Includes structural repair to rails and bearers and may involve complete structural replacement.

862 Emergency Grid Repairs

The unplanned repair of grid structures requiring immediate attention for safety reasons. Work includes welding loose grid rails and the installation of new rails where appropriate.

865 Rail Crossing Servicing

Works of a routine nature necessary to maintain a sound crossing. Includes pavement repairs where the defect has resulted from the presence of the rails.

870 Repair Noise Barriers

All works associated with the repair of roadside noise barrier facilities.

875 Repair of Restraining Structures - Gabions, Reinforced Walls

All work associated with the repair of restraining structures such as gabions and reinforced walls.

880 Repair Roadside Fences

All works associated with the repair of roadside fencing.

890 Service Passenger Facilities

All works associated with the routine servicing of roadside passenger facilities owned by the department.

891 Repair Passenger Facilities

All works associated with the repair of roadside passenger facilities owned by the department.

899 Other Miscellaneous Structure Work

Any other work to structures not covered by Activities numbered 860, 861, 862, 865, 870, 875, 880, 890 and 891.

900 OVERHEADS

901 RMPC Joint Maintenance Requirement Assessment

All works associated with the joint departmental/Contractor assessment of the network for the purpose of determining the extent of Activities required for the forthcoming Contract Period.

907 Prepare Cultural Heritage Management Plan

Covers all activities involved in preparing a cultural heritage management plan.

908 Implement, Monitor and maintain Cultural Heritage Management

All work associated with implementing, monitoring and maintaining a cultural heritage management plan.

910 Preparation of Environmental Management Plan (Maintenance)

All works associated with the preparation and submission (including any amendments required for approval) of an Environmental Management Plan (Maintenance) for the Contract.

911 Implementation, Monitoring and Updating of Environmental Management Plan (Maintenance)

All works associated with the implementation, monitoring and updating of an Environmental Management Plan (Maintenance) over the Contract Period.

912 Payment of Permits and Fees (Environmental)

The payment through reimbursement to the Contractor by the department of the value of permits and fees required for compliance with the applicable Federal, State and Local Government Environmental Legislation.

920 Electricity Supply - Traffic Signals

The cost incurred for electricity charges for the running of traffic signals.

921 Electricity Supply, Lighting

The cost of electricity supply incurred from a power authority for the operation of lighting asset facilities.

922 Phone Charges - Traffic Signals

The costs incurred for phone charges for the running of traffic signals.

923 Phone Charges - Traffic Signal Coordination

The costs incurred for phone charges for Traffic Area Response System connection from controllers to node base.

930 Modify and Digitise Computerised As-constructed Drawings

The updating of existing drawings to document as constructed changes to the design including the obtaining of electronic file from original source of design.

931 Modify Paper-based As Constructed Drawings

The updating of existing drawings to document as constructed changes to the design including the obtaining of drawings from original source of design.

940 Major Bridge Inspections, General

The detailed assessment of bridge structures, timber, concrete and steel types, to identify the present state of each bridge component. Includes the test boring of timber components.

941 Level 1 Bridge Inspections

All works associated with undertaking and recording a Level 1 type bridge inspection under RMPC.

942 Prepare Bridge Information System Forms

All works associated with the completion of structural/inventory verification forms compatible with the requirements of the Bridge Information System.

943 Data Entry – Bridge Information System

All works associated with the entry of verification, inspection and maintenance data into the Bridge Information System following inspections, see Activity numbered 941 and the recording of information compatible with the Bridge Information System, see Activity numbered 942.

950 Damages Recovery

The costs recovered as a result of claims for damages to the network road infrastructure assets.

960 Alliance Performance Limb Payment

The costs associated with performance limb payment for RMPC contract being undertaken through an alliance delivery approach

970 Licence and Ongoing maintenance fees for Transport and Main Roads accepted Maintenance Management System (MMS)

Ongoing MMS licence fees/maintenance cost /replacement cost of MMS field equipment

5.2 Maintenance Activity Payment Types

	MAINTENANCE ACTIVITY Symbol & Description	Work Type	Payment Type	ACTIVITY Payment Unit of Measure
100	Sealed Surfaces			
101	Edge Repair (Manual)	Normal	Unit Rate	Tonnes
102	Edge Repair (Mechanical)	Normal	Unit Rate	Tonnes
103	Edge Repair with Emulsion/Aggregate	Normal	Unit Rate	m ³ (loose)