# Part 4 Local government infrastructure plan

## 4.1 Preliminary

(1) This local government infrastructure plan has been prepared in accordance with the requirements of the *Planning Act 2016*.

(2) The purpose of the local government infrastructure plan is to:

(a) integrate infrastructure planning with the land use planning identified in the planning scheme;
(b) provide transparency regarding a local government's intentions for the provision of trunk infrastructure;
(c) enable a local government to estimate the cost of infrastructure provision to assist its long term financial planning;
(d) ensure that trunk infrastructure is planned and provided in an efficient and orderly manner;
(e) provide a basis for the imposition of conditions about infrastructure on development approvals.

(3) The local government infrastructure plan:

(a) states in Section 4.2 (planning assumptions) the assumptions about future growth and urban development including the assumptions of demand for each trunk infrastructure network;

(b) identifies in Section 4.3 (priority infrastructure area) the prioritised area to accommodate urban growth up to 2031;

(c) states in Section 4.4 (Definition of trunk infrastructure) the items of infrastructure defined as trunk infrastructure;

(d) Section 4.5 (desired standards of service) for each trunk infrastructure network the desired standard of performance;

(e) identifies in Section 4.6 (plans for trunk infrastructure) the existing and future trunk infrastructure for the following networks:

- water supply;
- wastewater;
- stormwater drainage;
- transport;
- public parks and land for community facilities.

(f) provides a list of supporting documents that assist in the interpretation of the local government infrastructure plan in the extrinsic material documents listed in Section 4.6.8.

## 4.2 Planning assumptions

(1) The planning assumptions state the assumptions about:

(a) population and employment growth;
(b) the type, scale, location and timing of development including the demand for each trunk infrastructure network.

(2) The planning assumptions together with the desired standards of service form a basis for the planning of the trunk infrastructure networks and the determination of the priority infrastructure area.

(3) The planning assumptions have been prepared for:

(a) the most recent census data (2011) is included for information only;

(b) the base date 2016 and the following projection years to accord with future Australian Bureau of Statistics census years:

- mid 2021;
- mid 2026; and
- ultimate development.

(c) the LGIP development types in column 2 that include the uses in column 3 of Table 4.1.

(d) the projection areas identified on Local Government Infrastructure Plan Map LGIP-PIA (Index Map) in Schedule 3 Local government infrastructure plan mapping and tables.

**Table 4.1 Relationship between LGIP development categories, LGIP development types and uses**

| Column 1<br>LGIP development category | Column 2<br>LGIP development type | Column 3<br>Uses |
|---|---|---|
| Residential development | Attached dwelling | Attached residential:<br>Dual occupancy<br>Multiple dwelling<br><br>Short term:<br>Hotel<br>Short term accommodation<br>Tourist park<br><br>Long term:<br>Community Residence<br>Hostel<br>Relocatable home park<br>Retirement facility |
| | Detached dwelling | Dwelling house<br>Caretaker's accommodation |
| Non-residential development | Community | Places of assembly:<br>Club<br>Community use<br>Function facility<br>Funeral parlour<br>Place of worship<br><br>Essential Services:<br>Cemetry<br>Correctional facility<br>Emergency services<br>Health care services<br>Hospital<br>Residential care facility<br>Veterinary services<br><br>Entertainment:<br>Hotel (non-residential component)<br>Nightclub<br>Theatre<br>Tourist attraction<br><br>Sport and recreation:<br>Indoor sport and recreation<br>Outdoor sport and recreation<br>Major sport, recreation and entertainment facility |

| Column 1<br>LGIP development category | Column 2<br>LGIP development type | Column 3<br>Uses |
|---|---|---|
| | Education | Child Care Centre<br>Community Care Centre<br>Educational Establishment |
| | Office | Office<br>Sales Office |
| | Retail | Bulk goods:<br>Agricultural supplies store<br>Bulk landscape supplies<br>Garden centre<br>Hardware and trade supplies<br>Outdoor sales<br>Showroom<br><br>General retail:<br>Adult Store<br>Food and drink outlet<br>Service industry<br>Service station<br>Shop<br>Shopping centre |
| | Industry and construction | Industry:<br>Low impact industry<br>Medium impact industry<br>Research and technology industry<br>Warehouse<br>Telecommunications facility<br>Utility installation<br><br>High impact industry:<br>High impact industry<br>Noxious and hazardous industries<br>Air services<br>Car wash<br>Crematorium<br>Renewable energy facility<br>Substation<br>Special industry<br>Transport Depot |
| | Rural, Mining and Other | Low impact rural:<br>Animal husbandry<br>Animal keeping<br>Cropping<br>Permanent plantation<br>Rural industry |

| Column 1<br>LGIP development category | Column 2<br>LGIP development type | Column 3<br>Uses |
|---|---|---|
| | | High impact rural:<br>Aquaculture<br>Extractive industry<br>Intensive animal husbandry<br>Intensive horticulture<br>Wholesale nursery<br>Winery |

(4) Details of the methodology used to prepare the planning assumptions are stated in the extrinsic material.

### 4.2.1 Population and employment growth

(1) A summary of the assumptions about population and employment growth for the planning scheme area is stated in Table 4.2 Population and employment assumptions summary.

**Table4.2 Population and employment assumptions summary**

| Column 1<br>Description | Column 2<br>Assumptions | | | | |
|---|---|---|---|---|---|
| | 2011 | 2016 | 2021 | 2026 | Ultimate development |
| Population | 32,365 | 34,021 | 35,510 | 36,996 | 38,480 |
| Employment | 21,868 | 22,964 | 23,947 | 24,932 | 25,905 |

(2) Detailed assumptions about growth for each projection area and LGIP development type category are identified in the tables in Schedule 3 Local government infrastructure plan mapping and tables.

### 4.2.2 Development

(1) The developable area is land within the PIA represented in zones relating to urban uses not affected by the extreme flood hazard area identified on the Flood Hazard Overlay Map (OM-004) and is identified in Table SC3.3 in Schedule 3 Local government infrastructure plan mapping and tables.

(2) The planned density for future development is stated in Table SC3.3 in Schedule 3 Local government infrastructure plan mapping and tables.

(3) A summary of the assumptions about future residential and non-residential development for the planning scheme area is stated in Table 4.3 Residential dwellings and non-residential floor space assumptions summary.

**Table 4.3 Residential dwellings and non-residential floor space assumptions summary**

| Column 1 Description | Column 2 Assumptions | | | | |
|---|---|---|---|---|---|
| | 2011 | 2016 | 2021 | 2026 | Ultimate development |
| Residential dwellings | 13,058 | 13,881 | 14,454 | 15,072 | 15,695 |
| Non-residential floor space (m2 GFA) | 1,649,726 | 1,750,098 | 1,810,030 | 1,870,204 | 1,932,429 |

(4) Detailed assumptions about future development for each projection area and LGIP development type are identified in the following tables in Schedule 3 Local government infrastructure plan mapping and tables:

(a) for residential development, Table SC3.1 and Table SC3.4;

(b) for non-residential development, Table SC3.2 and Table SC3.5.

### 4.2.3 Infrastructure Demand

(1) The demand generation rate for a trunk infrastructure network is stated in Column 5 of Table SC3.3 in Schedule 3 Local government infrastructure plan mapping and tables.

(2) A summary of the projected infrastructure demand for each service catchment is stated in Schedule 3 Local government infrastructure plan mapping and tables in:

(a) for the water supply network, Table SC3.6;

(b) for the wastewater network, Table SC3.7;

(c) for the stormwater drainage network, Table SC3.8;

(d) for the transport network, Table SC3.9;

(e) for the parks and land for community facilities network, Table SC3.10.

## 4.3 Priority infrastructure area

(1) The priority infrastructure area identifies the area prioritised for the provision of trunk infrastructure to service the existing and assumed future urban development up to 2026.

(2) The priority infrastructure area is identified on Local Government Infrastructure Plan Map LGIP-PIA.

## 4.4 Desired standards of service

(1) This section states the key standards of performance for a trunk infrastructure network. Further information is contained in the extrinsic material (refer to Section 4.6.8).

### 4.4.1 Water supply network

**Table 4.4 Desired standard of service for the water supply network**

| Measure | Planning criteria | Design criteria |
|---|---|---|
| Reliability/ continuity of supply | All development receives a reliable supply of potable water with minimal interruptions to their service. | • Local government standards in planning scheme and planning scheme policies<br>• Customer service standards<br>• Customer service obligations |
| Adequacy of supply | All development is provided with a water supply that is adequate for the intended use. | • Water Service Association of Australia codes<br>• IPWEA standards<br>• Customer service standards<br>• Local government standards in planning scheme and planning scheme policies |
| Quality of supply | Provide a uniform water quality in accordance with recognised standards that safeguards community health and is free from objectionable taste and odour. | • The *Australian Drinking Water Guidelines 2011* developed by the National Health and Medical Research Council |
| Environmental impacts | The environmental impacts of the water supply network are minimised in accordance with community expectations. | • Compliance with the requirements of the *Environmental Protection Act 1994* and associated Environmental Protection Policies and the *Water Act 2000* |
| Pressure and leakage management | The water supply network is monitored and managed to maintain the reliability and adequacy of supply and to minimise environmental impacts. | • System Leakage Management Plan (Chapter 3, Part 3, Division 1A *Water Act 2000*) |
| Infrastructure design/ planning standards | Design of the water supply network will comply with established codes and standards. | • Water Supply Code of Australia— Water Services Association of Australia— WSA 03–2002<br>• The Australian Drinking Water Guidelines 2011 developed by the |

| Measure | Planning criteria | Design criteria |
|---|---|---|
| | | National Health and Medical Research Council<br>• Planning Guidelines for Water Supply and Sewerage—Department of Natural Resources and Mines (NRM)<br>• Local government standards in planning scheme policies<br>• As detailed in Table 4.6 |

**Table 4.5 Planning and Design Criteria for the water supply network**

| Criteria | Performance Measure |
|---|---|
| Minimum Network Pressure | 16m |
| Maximum Network Pressure | 60m (> 60m requires QFRS consultation) |
| Maximum Velocity | 2 m/s |
| Network Reservoir Capacity at 3 consecutive days of MDMM demand | All reservoirs to have a positive net inflow at the end of each day |
| Ground level reservoir | 3 x (MD – MDMM) + Emergency Storage |
| Elevated reservoir | 6 x (PH – 1/12 MDMM)+150kL fire storage. In supply zones where 8xPH is less than or equal to MDMM the following equation is used (2xPH)+150kL fire storage |
| Fire Flow Performance | |
| Application of Fire Analysis<br>Maximum (fire flow) Velocity<br>Minimum Residual Pressure at Hydrant<br>Residential Property <= 3 storeys<br>Residential Property > 3 storeys<br>Commercial/Industrial Property | Background Demand highest of 2/3 PH or AD<br>4 m/s<br>12m<br><br>15L/s for 2 hrs<br>30L/s for 4 hrs<br>30L/s for 4 hrs |

### 4.4.2 Wastewater network

**Table 4.6 Desired standard of service for the wastewater network**

| Measure | Planning criteria (qualitative standards) | Design criteria (quantitative standards) |
|---|---|---|
| Reliability | All development has access to a reliable sewerage collection, conveyance, treatment and disposal system. | • Local government standards in planning scheme and planning scheme policies<br>• Customer service standards<br>• Customer service obligations |

| Measure | Planning criteria (qualitative standards) | Design criteria (quantitative standards) |
|---|---|---|
| Quality of treatment | Ensures the health of the community and the safe and appropriate level of treatment and disposal of treated effluent. | • Local water quality guidelines prepared in accordance with the National Water Quality Management Strategy<br>• Queensland Water Quality Guidelines 2009 – Department of Environment and Heritage Protection<br>• National Water Quality Guidelines—National Water Quality Management Strategy |
| Environmental impacts | The environmental impacts of the sewerage network are minimised in accordance with community expectations. | • Compliance with the requirements of the *Environmental Protection Act 1994* and associated Environmental Protection policies |
| Effluent re-use | Reuse effluent wherever possible. | • Guidelines for Sewerage Systems: Reclaimed Water - February 2000<br>• Queensland Water Recycling Guidelines— December 2005 |
| Infrastructure design / planning standards | Design of the sewerage network will comply with established codes and standards. | • Planning Guidelines for Water Supply and Sewerage—NRM<br>• Sewerage Code of Australia—Water Services Association of Australia— WSA 02—2002<br>• Sewerage Pumping Station Code of Australia—Water Services Association of Australia—WSA 04—2005<br>• Local government standards in planning scheme and planning scheme policies |

**Table 4.7 Planning and Design Criteria for the wastewater network**

| Criteria | Performance Measure |
|---|---|
| Peaking Factors – Peak dry Weather Flow (PDWF) and Peak Wet Weather Flow (PWWF) | In accordance with "Planning Guidelines for Water Supply and Sewerage" (Department of Energy & Water Supply, 2013) |
| Pumping Station and Rising Mains | |
| Detention Time | Maximum 6 hours |
| Minimum Velocity | Preferred - 1.5m/s, absolute min. – 0.9 m/s |
| Maximum Velocity | 3.5 m/s |
| Maximum allowable pump starts | 8 or 90% of manufacturer's recommendation (whichever lower) |
| Emergency relief storage (ERS) | The pumping station shall be designed to ensure no dry weather overflows. ERS to contain 4 hours ADWF |
| Gravity Mains | |
| Minimum velocity (PDWF) | Self-cleansing velocities (0.7 – 0.8 m/s) |
| Maximum velocity (PWWF) | 3 m/s |
| Depth of flow @ PWWF | 70% pipe depth |
| Absolute minimum grade | **Diameter** / **Grade 1 in 'x'**<br>150 / 200<br>225 / 300<br>300 / 400<br>375 / 600 |

## 4.4.3 Stormwater drainage network

**Table 4.8 Desired standard of service for the stormwater network**

| Measure | Planning criteria (qualitative standards) | Design criteria (quantitative standards) |
|---|---|---|
| Quantity | Collect and convey stormwater in natural and engineered channels, a piped, drainage network and system of overland flow paths to a lawful point of discharge, in a safe manner that minimises the inundation of habitable rooms and protects life. | • Queensland Urban Drainage Manual—NRM<br>• Local government standards in planning scheme and planning scheme policies |
| Environmental impacts | Adopt water-sensitive urban design principles and on-site water quality management to achieve EPA water quality objectives. | • Section 21 Environmental Protection [Water] Policy 2009<br>• Queensland Urban Stormwater Quality Planning Guidelines 2010<br>• Local Government standards in planning scheme and planning scheme policies |

| Measure | Planning criteria (qualitative standards) | Design criteria (quantitative standards) |
|---|---|---|
| Infrastructure design/planning standards | Design of the stormwater network will comply with established codes and standards. | • Queensland Urban Drainage Manual—NRM<br>• Local government standards in planning scheme and planning scheme policies<br>• Natural Channel Design Guidelines |

### 4.4.4 Transport network

**Table 4.9 Desired standard of service for the transport and footpath network**

| Column 1<br>Measure | Column 2<br>Planning criteria (qualitative standards) | Column 3<br>Design criteria (quantitative standards) |
|---|---|---|
| Road network design/planning standards | The road network provides a reliable and functional urban and rural hierarchy that supports settlement patterns, commercial and economic activities, and freight movement.<br><br>Design of the road system will comply with established codes and standards. | • Local government road design and development manual/standards/codes in planning scheme and planning scheme policy<br>• Road Planning and Design Manual developed by the Department of Transport and Main Roads<br>• Australian Standards<br>• AUSTROADS guides |
| Footpaths and cycleways | Plan cycle ways and footpaths to provide a safe, attractive and convenient network that links residential areas to major activity nodes thereby encouraging walking and cycling as acceptable travel alternatives | • Local government road design and development manual/ standards/ codes in planning scheme and planning scheme policies. |

### 4.4.5 Public parks and land for community facilities network

**Table 4.10 Rate of provision**

| Open Space Type | Dalby, Chinchilla and Miles DSS (ha/1,000 people) | All other areas DSS (ha/1,000 people) |
|---|---|---|
| District Recreation Parks | 0.8 | 1.5 |
| Regional Recreation Parks | 1.5 | |
| District and Regional Sports Parks | 2.5 | 3.1 |
| Land for community facilities | 0.1 | |
| TOTAL | 4.9 | 6.2 |

**Table 4.11: Accessibility provisions**

| Infrastructure Type | District | Regional |
|---|---|---|
| Recreation Parks | 2.5km in urban areas | Local government area |
| Sports parks | Located in, or on the edge, of urban areas. | |

**Table 4.12 Minimum characteristics of each park**

| Characteristic | Recreation Parks | | | Sports Parks | |
|---|---|---|---|---|---|
| | **District** | **District (Town/Civic)** | **Regional** | **District** | **Regional** |
| Minimum size of open space (Ha) | 2 ha of usable space | 0.4Ha to 3.0Ha | 6 ha usable space | A minimum of 3ha. | Minimum of 6ha. |
| Shape of Land | Regular in shape to ensure the area is functional. | | | Square or rectangular shape, oriented north-south | |
| Minimum desired flood immunity for parks | At least 25% of total area above Q50 with main activity area/s above Q100 | At least 50% of total area above Q50 with main activity area/s above Q100 and free of hazards | At least 50% of total area above Q50 with main activity area/s above Q100 and free of hazards | Free of hazards. 90% of land above Q20.Fields/ courts above Q50. Facilities above Q100 | Free of hazards. 90% of land above Q20. Fields/ courts above Q50. Built Facilities above Q100. |
| Maximum desired grade | Average grade of 1:10 for 80% of the area of the park, with wheelchair access (1:14), where possible. Variable topography is satisfactory for the remaining area | | Average grade of 1:20 for main use areas, 1:50 for kick about area, and variable topography for remainder | 1:50 for all playing Surfaces, self-draining | Laser levelling to a maximum gradient of playing surface 1:100 |
| Road frontage and visibility | 50% of the park perimeter to have direct road frontage, preferably on a collector road | | | Approximately 50% of the park perimeter to have direct road frontage | |
| Linkage | Links to existing open space (preferable) | | | Sports parks are clustered (preferable) | |
| Vegetation | Fertile soil of at least 75-100mm, fully grassed | | | | |

**Table 4.13 Typical embellishments (recreation parks)**

| Park element | District Recreation Parks | District recreation (Town/Civic) parks | Regional Recreation Park |
|---|---|---|---|
| Recreation activity areas | ✓ | ✓ | ✓ |
| Services | ✓ | ✓ | ✓ |
| Playground | ✓ | ✓ | ✓ |
| Fencing /bollards, lock rail | Where appropriate | Where appropriate | Where appropriate |
| Landscaping | ✓ | ✓ | ✓ |
| Significant revegetation required for more natural settings | As identified by relevant master plan | As identified by relevant master plan | As identified by relevant masterplan |
| Irrigation | ✓ | ✓ | ✓ |
| Feature paving/concrete stencilling | ✓ | × | ✓ |
| Lighting | ✓ | ✓ | ✓ |
| Pedestrian pathway access network | ✓ | ✓ | ✓ |
| Bike racks | ✓ | × | ✓ |
| Signage | ✓ | ✓ | ✓ |
| Shade structures (over playgrounds) | ✓ | ✓ | ✓ |
| Tap/bubbler | ✓ | ✓ | ✓ |
| Bench seating | ✓ | ✓ | ✓ |
| Barbecue | ✓ | ✓ | ✓ |
| Shelters/gazebo with tables and seating | ✓ | ✓ | ✓ |
| Rubbish bins | ✓ | ✓ | ✓ |
| Toilet | ✓ | ✓ | ✓ |
| Internal roads | × | × | ✓ |
| Car parking | × | × | ✓ |
| Bus pull-through | ✓ | × | ✓ |
| Bus parking | × | × | ✓ |

**Table 4.14 Typical embellishments (sports parks)**

| Park element | Embellishments |
|---|---|
| Courts/fields | ✓ |
| Goal posts/line marking | ✓ |
| Irrigation | ✓ |
| Field/court lighting | ✓ |
| Spectator seating | ✓ |
| Tap/bubbler | ✓ |
| Landscaping | ✓ |
| Feature paving/concrete stencilling | ✓ |
| Internal roads | ✓ |
| Bus pull through | ✓ |
| Bus parking | ✓ |
| Car parking | ✓ |
| Bike racks | ✓ |
| Fencing/bollards lock rail | ✓ |
| Lighting | ✓ |
| Pedestrian pathway access network | ✓ |
| Signage | ✓ |
| Services | ✓ |
| Recreation activity areas | ✓ |

## 4.5 Plans for trunk infrastructure

(1) The plans for trunk infrastructure identify the trunk infrastructure networks intended to service the existing and assumed future urban development at the desired standard of service up to 2026.

### 4.5.1 Plans for trunk infrastructure maps

(1) The existing and future trunk infrastructure networks are shown on the following maps in Schedule 3 Local government infrastructure plan mapping and tables:

(a) Local Government Infrastructure Plan Map LGIP-W Plans for trunk water supply infrastructure;

(b) Local Government Infrastructure Plan Map LGIP- S Plans for trunk sewerage infrastructure;

(c) Local Government Infrastructure Plan Map LGIP-D Plans for trunk drainage infrastructure;

(d) Local Government Infrastructure Plan Map LGIP-R Plans for trunk transport infrastructure;

(e) Local Government Infrastructure Plan Map LGIP-F Plans for trunk footpaths infrastructure;

(f) Local Government Infrastructure Plan Map LGIP-P Plan for trunk parks and land for community facilities infrastructure.

(2) The State infrastructure forming part of transport trunk infrastructure network has been identified using information provided by the relevant State infrastructure supplier.

### 4.5.2 Schedules of works

(1) Details of the existing and future trunk infrastructure networks are identified in the electronic Excel schedule of works model which can be viewed here: http://www.wdrc.qld.gov.au/doing-business/town-planning.

(2) The future trunk infrastructure is identified in the following tables.

### 4.5.3 Water supply network

**Table 4.15 Schedule of works for the water supply network**

| Map reference | Trunk infrastructure | Estimated timing | Gross Value (incl. on-costs & contingency) |
|---|---|---|---|
| W1501 | Trunk main for new reservoir, Miles | 2015 | $1,303,141 |
| W1602 | Main between existing 150 mm main in Dawson Street to hydrant in McNulty Street, Miles | 2016 | $28,640 |
| W1801 | Miles Water Treatment Plant Stage 1 Augmentation | 2018 | $3,500,000 |
| W2101 | New Miles reservoirs for pressure zone | 2021 | $1,000,000 |
| W2304 | Miles - New GAB Bore | 2023 | $1,400,000 |
| W2601 | Miles - Extend main | 2026 | $26,262 |
| W1605 | Chinchilla - New main from new WTP to Colamba St Tower | 2016 | $2,535,666 |
| W1606 | Chinchilla - Water Treatment Plant Stage 1 Augmentation | 2016 | $12,400,000 |
| W1607 | Chinchilla - Raw Water Pumping Station & Main | 2016 | $3,900,000 |
| W1608 | Chinchilla - New reservoir at WTP | 2016 | $2,400,000 |
| W1802 | Chinchilla - Extend main | 2018 | $22,503 |
| W1803 | Chinchilla - Extend main | 2018 | $118,653 |
| W1804 | Chinchilla - Extend main | 2018 | $22,503 |
| W1805 | Chinchilla - Extend main | 2018 | $135,019 |
| W1901 | Chinchilla - Warrego Highway Cross Connection near Short Street | 2019 | $14,320 |
| W2004 | Chinchilla - Water Treatment Plant | 2020 | $5,000,000 |

| Map reference | Trunk infrastructure | Estimated timing | Gross Value (incl. on-costs & contingency) |
|---|---|---|---|
| | Stage 2 Augmentation | | |
| W2301 | Chinchilla - Warrego Highway near Carmichael Street | 2023 | $15,319 |
| W2302 | Chinchilla - Slessar Street Main Upgrade. 500m from Wambo Street along Slessar Street. | 2023 | $109,424 |
| W1609 | Tara - Milne Street FC2 | 2016 | $43,984 |
| W1610 | Tara - Wilson Street FC1-1 - from Sara Street along Surat Developmental Road | 2016 | $94,104 |
| W2005 | Tara - New main along Fry Street | 2020 | $20,457 |
| **TOTAL** | | | **$34,089,995** |

### 4.5.4 Wastewater network

**Table 4.16 Schedule of works for the wastewater network**

| Map reference | Trunk infrastructure | Estimated timing | Gross Value (incl. on-costs & contingency) |
|---|---|---|---|
| S1601 | Dalby - Upgrade of SPS 1 pump and wet well capacity | 2016 | $679,720 |
| S1602 | Dalby - Upgrade of SPS 2 pump and wet well capacity | 2016 | $424,820 |
| S1603 | Dalby - Upgrade of SPS 5 pump and wet well capacity | 2016 | $128,850 |
| S1604 | Wandoan - Upgrade of SPS 1 pump and wet well capacity | 2016 | $128,850 |
| S1605 | Chinchilla - North / Park Streets | 2016 | $31,235 |
| S1606 | Chinchilla -Malduf / Price Streets | 2016 | $23,426 |
| S1801 | Chinchilla -SPS F | 2018 | $492,900 |
| S1802 | Chinchilla -Gormleys Rd to STP | 2018 | $796,580 |
| S2101 | Chinchilla -Railway / Canaga Streets | 2021 | $47,654 |
| S2401 | Chinchilla -Colamba / Chinchilla Streets | 2024 | $28,321 |
| S2402 | Wandoan Effluent Disposal | 2024 | $3,400,000 |
| S1607 | Tara - Benn Street | 2016 | $82,070 |
| S1608 | Chinchilla Sewerage Treatment Plant Augmentation | 2016 | $11,400,000 |
| S2001 | Miles Sewerage Treatment Plant Augmentation | 2020 | $8,050,000 |
| S2301 | Miles Evaporation Pond Augmentation | 2023 | $200,000 |
| **TOTAL** | | | **$25,914,426** |

### 4.5.5 Stormwater drainage network

**Table 4.17 Schedule of works for the stormwater drainage network**

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost |
|---|---|---|---|
| D0002 | Area bounded by Curtis, Bligh, Wilkes & Nicholson Street | 2016 | $2,418,750 |
| D0052 | Area bounded by Patrick, Owen, Sydney, Myall Creek | 2018 | $3,762,500 |
| D0053 | Area Bounded by Condamine, Irvingdale, Louisa and Myall Creek | 2021 | $6,450,000 |
| D0031/0055 | Gakse Ln Drainage Projects - Stage 1 & 2 - Chinchilla | 2016 | $7,310,000 |
| D0072 | Northern Trunk Drain - Chinchilla | 2020 | $7,326,853 |
| D0007 | Malduff Street Drainage - Chinchilla | 2017 | $913,750 |
| D0035/D0037 | Reid-Hypatia Street Drainage - Chinchilla | 2017 | $1,881,250 |
| D0073 | Price Street Drainage - Chinchilla | 2020 | $2,696,100 |
| D0074 | Foster Street Drainage - Chinchilla | 2020 | $1,568,060 |
| D0075 | Pilkington Street Drainage - Chinchilla | 2020 | $1,720,731 |
| D0076 | Windmill Street Drainage - Chinchilla | 2018 | $161,250 |
| D0065 | East Street Drainage - Wandoan | 2021 | $389,492 |
| D0066 | Royd St Drainage - Wandoan | 2017 | $249,905 |
| D0067 | North St Drainage - Wandoan | 2019 | $266,232 |
| D0068 | Hamlyn St Drainage - Wandoan | 2023 | $291,884 |
| D0069 | Zupp Rd Drainage - Wandoan | 2025 | $204,929 |
| D0070 | Future Channel 1 - Acacia Dr to Dawson Street - Miles | 2025 | $992,087 |
| D0071 | Future Channel 2 - Condamine Street to Colamba Street - Miles | 2019 | $273,178 |
| **TOTAL** | | | $ 38,876,950 |

### 4.5.6 Transport network

**Table 4.18 Schedule of works for the road transport network**

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost |
|---|---|---|---|
| R0245 | Zeller St - Chinchilla, Rehabilitation, widen, kerb & channel Windmill Rd to Macki St | 2017 | $645,000 |
| R0260 | Zeller St - Chinchilla, Rehabilitation, widen, kerb & channel Macki St to Price St | 2019 | $860,000 |
| R0298 | Hypatia St - Chinchilla, Reconstruct, widen, seal Colamba St - Canaga St | 2020 | $376,250 |
| R0333 | Hypathia St - Chinchilla, Reconstruct, widen, seal Heeney St to Colamba St | 2022 | $575,000 |
| R0353 | Hypathia St - Chinchilla, Reconstruction Heeney St - Helena St (550m) | 2023 | $575,000 |
| R0376 | Park St - Chinchilla, Reconstruct, widen, k&c, seal Chinchilla St-Russell St | 2025 | $862,500 |
| R0420/R0421 | Fry St - Tara, Reconstruct, widen, seal, Bilton-Showground | 2016 | $1,290,000 |
| R0424 | Benn St - Tara, Reconstruct, widen & seal, Day St-Hallinan Transport | 2016 | $397,750 |
| R0425 | Coutts St - Tara, Reconstruct, Widen & Seal, Smallcombe - Binnie | 2021 | $301,000 |
| R0426 | Binnie St - Tara, Reconstruct, Widen & Seal, Coutts - Fry St | 2020 | $322,500 |
| R0480 | Warrego Hwy-Wambo St - Chinchilla, Railway crossing TMR OLC Project - Inverai Rd Extension | 2017 | $537,500 |
| R0551 | Old Rosevale Ch 0 - 0.02 - Jandowae, Reconstruction to a Rural Collector Standard, formation width 9.0m & Seal 8.0m | 2020 | $31,304 |
| R0559 | Dixon Street Ch 0.00 - 0.02 - Dalby, Reconstruction to a Urban Collector Standard, formation width 9.0m & Seal 8.0m. | 2017 | $35,260 |
| R0729 | Oak Street - Chinchilla, Extend Kerb and Channel and footpath to facilitate access to School with increased demand | 2016 | $32,250 |
| **TOTAL** | | | $6,841,314 |

**Table 4.19 Schedule of works for the footpath network**

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost |
|---|---|---|---|
| F0044 | McNulty Street - Dawson St to Bourne - Miles, Construct Footpath - 360m x 2m | 2017 | $103,200 |
| F0047 | Myall Creek Linear Park - Dalby, Footpath construction - Missing link down the Myall Creek | 2016 | $25,800 |
| F0049 | Windmill Rd - Chinchilla, Install footpath, from Fraser St - Zeller St | 2016 | $80,625 |
| F0050 | Wambo St - Chinchilla, Install footpath, from Russell St - Nowland St | 2017 | $91,375 |
| F0052 | Zellar St - Chinchilla, Install footpath Macki St - Atkins St northern side | 2018 | $21,500 |
| F0053 | Zellar St - Chinchilla, Install footpath Atkins St - Evans St, northern side | 2018 | $21,500 |
| F0054 | Zellar St - Chinchilla, Install footpath Evans St - Windmill Rd, northern side | 2018 | $26,875 |
| F0056 | Glasson St - Chinchilla, Replace & upgrade footpath Claydon St - Wood St | 2018 | $32,250 |
| F0058 | Chinchilla St - Chinchilla, Replace & upgrade footpath King St - Park St | 2019 | $26,875 |
| F0059 | Heeney St - Chinchilla, Replace & upgrade footpath Condamine St - Hypathia St east side | 2019 | $37,625 |
| F0060 | Zellar St - Chinchilla, Install footpath Old Tara Rd - Dorney St, northern side | 2019 | $59,125 |
| F0061 | Middle St - Chinchilla, Replace & upgrade Footpath Wambo St - Canaga St | 2020 | $59,125 |
| F0062 | Middle St - Chinchilla, Replace & upgrade footpath Zanoni St - Canaga St | 2020 | $38,700 |
| F0063 | Park St - Chinchilla, Replace & Upgrade footpath Chinchilla St - Boyd St | 2020 | $25,800 |
| F0067 | Colamba St - Chinchilla, Replace & upgrade footpath Hypathia St - Middle St west side | 2021 | $37,625 |
| F0069 | Heeney St - Chinchilla, Replace & upgrade foothapth Hypathia St - motel | 2021 | $26,875 |
| F0071 | Price St - Chinchilla, Install footpath, from Fraser St - Zellar St | 2023 | $69,000 |
| F0072 | Hypathia St - Chinchilla, Replace & upgrade footpath Colamba St - Heeney St | 2022 | $46,000 |
| F0073 | Hypathia St - Chinchilla, Replace & upgrade footpath Canaga St - Colamba St | 2022 | $40,250 |
| F0074 | Middle St - Chinchilla, Replace & upgrade footpath Canaga St - Colamba St | 2022 | $23,000 |
| F0076 | Chinchilla St - Chinchilla, Replace & upgrade footpath Park St - Colamba St | 2024 | $25,300 |
| F0077 | Chinchilla St - Chinchilla, Replace & upgrade footpath Wambo St - King St | 2024 | $36,800 |
| F0081 | Fry St - Tara, Replace & upgrade footpath Smallcombe St - Binnie St | 2016 | $21,500 |
| F0082 | Sara St - Tara, Replace & upgrade footpath Day St - Bilton | 2016 | $40,850 |

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost |
|---|---|---|---|
| | St | | |
| F0085 | Fry St - Tara, Replace & upgrade footpath Milne St - Bilton St | 2020 | $21,500 |
| F0089 | Day St - Tara, Replace & upgrade footpath BP - ambulance | 2017 | $30,100 |
| F0092 | Fry St - Tara, Replace & upgrade footpath Laundromat - Milne St | 2018 | $43,000 |
| F0093 | Fry St - Tara, Replace & upgrade footpath western side. Binnie St to Adams St. | 2018 | $37,625 |
| F0094 | Day St - Tara, Replace & upgrade footpath northern side | 2019 | $86,000 |
| F0096 | Day St - Tara, Replace & Upgrade footpath Fry St - Roberts St | 2021 | $32,250 |
| F0097 | Day St - Tara, Replace & upgrade footpath Fry St east on southern side | 2021 | $37,625 |
| F0111 | Edith Street - Centenary Av to Colamba St - Miles, Construct Footpath -310m x 1.5m | 2016 | $66,650 |
| F0112 | Edith Street - Wallen St to Dawson St - Miles, Construct Footpath -220m x 1.5m | 2016 | $47,300 |
| F0114 | Bourne Street - McNulty St to Hawkins St - Miles, Construct Footpath - 120m x 2m | 2016 | $34,400 |
| F0119 | Edith Street - Centenary Av to Lee St North Side - Miles, Construct Footpath - 130m x 1.5m | 2023 | $29,900 |
| F0122 | Henderson Rd - Hospital to West St - South side - Wandoan, Construct - Concrete Footpath 180m x 2m | 2016 | $51,600 |
| F0123 | North St - Waterloo St to Lawton St - South side - Wandoan, Construct - Concrete Footpath 210m x 1.5m | 2017 | $45,150 |
| F0124 | Moore St - Waterloo St to West St - South side - Wandoan, Construct - Concrete Footpath 80m x 1.5m | 2016 | $17,200 |
| F0125 | Waterloo St - Mundell St to North St - School side - Wandoan, Construct - Concrete Footpath 200m x 1.5m | 2016 | $43,000 |
| F0126 | Lawton St - North St to Moore St - West side - Wandoan, Construct - Concrete Footpath 80m x 1.5m | 2017 | $17,200 |
| F0128 | Henderson Rd - O'Sullivan Park to Royds St - West side - Wandoan, Construct - Concrete Footpath 200m x 1.5m | 2024 | $46,000 |
| F0133 | Royds Street (Stage 1) - Wandoan, Footpath Upgrade | 2021 | $612,750 |
| F0134 | Lawton Street - Wandoan, Footpath Upgrade | 2023 | $ 366,850 |
| F0148 | Pine Street - Constance St to Marian St - east side - Miles, Footpath Upgrade - 120m x 1.5m (widen from 0.9m to 1.5m) | 2019 | $25,800 |
| F0149 | Royds Street (Stage 2) - Wandoan, Footpath Upgrade | 2022 | $655,500 |
| F0155 | Dalby Jandowae Road & Warrego Highway - Dalby, Footpath construction linking to existing footpath networks and access to the High School | 2016 | $167,700 |
| F0156 | Mary Street - Dalby, Footpath construction linking to existing footpath networks and access to the Christian School and sporting fields | 2016 | $116,100 |
| F0157 | Edward Street - Dalby, Footpath construction linking to existing footpath networks and access to the State School and sporting fields | 2016 | $52,245 |

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost |
|---|---|---|---|
| **TOTAL** | | | $3,701,020 |

### 4.5.7 Public parks and land for community facilities network

**Table 4.20 Schedule of works for the public parks and land for community facilities network**

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost (Land) | Column 5<br>Establishment cost (Works) |
|---|---|---|---|---|
| P0097 | Thomas Jack Park - Dalby - upgrade irrigation system for zones 1-3 | 2015 | $0 | $85,006 |
| P0038 | Myall Creek Linear Park - Dalby - Footpath LED Lighting upgrade | 2015 | $0 | $98,481 |
| P0095 | Lake Broadwater Reserve - Dalby - Upgrade combination playground unit | 2016 | $0 | $33,325 |
| P0092 | Thomas Jack Park - Dalby - Replace 2 junior combination playground units and installing new shade sails and softfall | 2016 | $0 | $84,065 |
| P0140 | Thomas Jack Park - Dalby - upgrade to irrigation system for zones 4-7 | 2017 | $0 | $58,039 |
| P0066 | Lake Broadwater Reserve - Dalby - Park Upgrade Stage 4 of 4 | 2019 | $0 | $56,855 |
| P0141 | Thomas Jack Park - Dalby - Purchase the remaining parcels of land 1206m2 - Stage 1 of 3 | 2016 | $59,094 | $0 |
| P0142 | Thomas Jack Park - Dalby - Purchase the remaining parcels of land 1133m2 - Stage 2 of 3 | 2021 | $55,517 | $0 |
| P0143 | Thomas Jack Park - Dalby - Purchase the remaining parcels of land 2143m2 - Stage 3 of 3 | 2026 | $105,007 | $0 |
| P0122 | Queens Park - Chinchilla - Remove old equipment and upgrade to a fitness park | 2016 | $70,000 | $0 |
| P0055 | Railway Park - Chinchilla - Replace and upgrade playground | 2017 | $0 | $80,625 |

| Column 1<br>Map reference | Column 2<br>Trunk infrastructure | Column 3<br>Estimated timing | Column 4<br>Establishment cost (Land) | Column 5<br>Establishment cost (Works) |
|---|---|---|---|---|
| P0052 | Jubilee Park - Chinchilla - Replace & upgrade sand softfall with rubber | 2018 | $0 | $59,125 |
| P0072 | Railway Park - Chinchilla - Replace & upgrade Softfall with Rubber | 2020 | $0 | $69,875 |
| P0091 | Lions Park - Tara - Install new BBQs | 2019 | $0 | $26,875 |
| P0132 | Waterloo Plains Park - Wandoan - Supply & Install 3 picnic tables & shelters | 2021 | $0 | $32,250 |
| P0131 | Chinaman's Lagoon - Leichhardt Hwy, Miles - Upgrade interpretative signage hut with concrete floor and seating, car park | 2020 | $0 | $43,000 |
| **TOTAL** | | | $289,618 | $727,520 |

### 4.5.8 Extrinsic material

The below table identifies the documents that assist in the interpretation of the local government infrastructure plan and are extrinsic material under the *Statutory Instruments Act 1992*.

**Table 4.21 List of extrinsic material**

| Column 1<br>Title of document | Column 2<br>Date | Column 3<br>Author |
|---|---|---|
| Background Information for the Water Supply & Wastewater Networks for the Western Downs Regional Council Local Government Infrastructure Plan | April 2016 | WDRC |
| Background Information for the Planning Assumptions for the Western Downs Regional Council Local Government Infrastructure Plan | April 2016 | WDRC |
| Background Information for the Transport Network for the Western Downs Regional Council Local Government Infrastructure Plan | April 2016 | WDRC |
| Background Information for the Stormwater Drainage Network for the Western Downs Regional Council Local Government Infrastructure Plan | April 2016 | WDRC |
| Background information for the Open Space and Land for Community Facilities Network for the Western Downs Regional Council Local Government Infrastructure Plan | April 2016 | WDRC |

# Schedule 3 – Local government infrastructure plan mapping and tables

**Table SC3.1 Existing and projected population**

| Population | Dwelling type | 2011 | 2016 | 2021 | 2026 | Ultimate development |
|---|---|---|---|---|---|---|
| **Chinchilla** | Detached | 4,330 | 4,946 | 5,552 | 6,079 | 8,056 |
| | Attached | 541 | 618 | 693 | 759 | 1,007 |
| **Dalby** | Detached | 10,264 | 10,732 | 11,100 | 11,534 | 13,748 |
| | Attached | 893 | 933 | 965 | 1,003 | 1,197 |
| **Miles** | Detached | 1,118 | 1,467 | 1,746 | 1,998 | 2,805 |
| | Attached | 76 | 100 | 119 | 137 | 191 |
| **Wandoan** | Detached | 292 | 338 | 396 | 489 | 853 |
| | Attached | 46 | 53 | 62 | 76 | 134 |
| **Tara** | Detached | 752 | 777 | 813 | 851 | 1,035 |
| | Attached | 116 | 120 | 126 | 132 | 160 |
| **Jandowae** | Detached | 724 | 749 | 783 | 820 | 1,575 |
| | Attached | 47 | 49 | 51 | 53 | 102 |
| **Inside PIA** | | **19,199** | **20,882** | **22,407** | **23,932** | **30,862** |
| **Outside PIA** | Detached | 13,166 | 13,140 | 13,103 | 13,064 | 12,993 |
| **Total dwellings** | | **32,365** | **34,021** | **35,510** | **36,996** | **38,480** |

**Table SC3.2Existing and projected employees**

| Projection area | LGIP Industry category | Persons employed (number) | | | | |
|---|---|---|---|---|---|---|
| | | 2011 | 2016 | 2021 | 2026 | Ultimate development |
| **Chinchilla** | Community | 315 | 359 | 403 | 442 | 585 |
| | Education | 236 | 270 | 303 | 331 | 439 |
| | Office | 1425 | 1628 | 1827 | 2001 | 2652 |
| | Retail | 606 | 692 | 777 | 851 | 1128 |
| | Industry / construction | 754 | 862 | 967 | 1059 | 1403 |
| | ***Total jobs*** | ***3337*** | ***3811*** | ***4278*** | ***4684*** | ***6208*** |
| **Dalby** | Community | 863 | 903 | 934 | 970 | 1157 |
| | Education | 721 | 754 | 780 | 810 | 966 |
| | Office | 2519 | 2634 | 2724 | 2831 | 3374 |
| | Retail | 1453 | 1519 | 1571 | 1632 | 1946 |
| | Industry / construction | 2042 | 2135 | 2208 | 2294 | 2735 |
| | ***Total jobs*** | ***7598*** | ***7944*** | ***8216*** | ***8538*** | ***10177*** |
| **Miles** | Community | 91 | 119 | 142 | 162 | 228 |
| | Education | 79 | 104 | 124 | 142 | 199 |
| | Office | 219 | 287 | 342 | 391 | 549 |
| | Retail | 148 | 195 | 232 | 265 | 373 |
| | Industry / construction | 192 | 252 | 300 | 343 | 482 |
| | ***Total jobs*** | ***730*** | ***958*** | ***1140*** | ***1304*** | ***1831*** |
| **Wandoan** | Community | 30 | 35 | 41 | 51 | 89 |
| | Education | 27 | 31 | 36 | 44 | 78 |
| | Office | 73 | 85 | 99 | 123 | 214 |
| | Retail | 50 | 57 | 67 | 83 | 145 |
| | Industry /construction | 64 | 74 | 87 | 108 | 188 |
| | ***Total jobs*** | ***244*** | ***282*** | ***331*** | ***409*** | ***713*** |
| **Tara** | Community | 62 | 64 | 67 | 70 | 85 |
| | Education | 75 | 77 | 81 | 84 | 103 |
| | Office | 153 | 158 | 165 | 173 | 210 |
| | Retail | 69 | 71 | 74 | 78 | 95 |
| | Industry / construction | 105 | 108 | 113 | 119 | 144 |
| | ***Total jobs*** | ***463*** | ***479*** | ***501*** | ***524*** | ***637*** |
| **Jandowae** | Community | 39 | 41 | 43 | 45 | 86 |
| | Education | 33 | 34 | 36 | 37 | 72 |
| | Office | 115 | 119 | 124 | 130 | 250 |
| | Retail | 66 | 69 | 72 | 75 | 144 |
| | Industry / construction | 93 | 96 | 101 | 106 | 203 |
| | ***Total jobs*** | ***347*** | ***359*** | ***375*** | ***393*** | ***755*** |
| ***Inside PIA*** | ***Total jobs*** | ***12,718*** | ***13,832*** | ***14,841*** | ***15,852*** | ***20,321*** |
| ***Outside PIA*** | Rural /mining/other | 9,150 | 9,132 | 9,106 | 9,080 | 9,150 |

| | | | | | |
|---|---|---|---|---|---|
| ***Total jobs*** | ***21,868*** | ***22,964*** | ***23,947*** | ***24,932*** | ***29,471*** |

**Table SC3.3 Planned density and demand generation rate for a trunk infrastructure network**

| Column 1 | Column 2 | Column 3 | Column 4 | | Column 5 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PIA by Township | Zones | Developable area | Planned Density | | Demand Generation Rate for trunk infrastructure network | | | | |
| | | Dev ha | Non-residential plot ratio | Residential density (dwellings/ ha) | Water supply (EP/ dev ha) | Sewer (EP/ dev ha) | Open space (ha/ 1000 persons) | Transport network (vpd/ dev ha) | Stormwater network (imp ha/ dev ha) |
| Wandoan | Local Centre | 11.6 | 75% | | 128 | 128 | n/a | 3900 | 0.9 |
| | Low Density Residential | 31.2 | | 10 | 25 | 25 | 6.2 | 84.9 | 0.575 |
| | Low Impact industry | 20.4 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| Miles | District Centre | 16.9 | 100% | | 128 | 128 | n/a | 5200 | 0.9 |
| | Low Density Residential | 94.0 | | 10 | 25 | 25 | 4.9 | 87.6 | 0.575 |
| | Low Impact industry | 1.9 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| | Medium Impact Industry | 5.5 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| Chinchilla | Major Centre | 30.6 | 150% | | 128 | 128 | n/a | 7800 | 0.9 |
| | Low Density Residential | 238.8 | | 10 | 25 | 25 | 4.9 | 85.8 | 0.575 |
| | Low Impact industry | 32.7 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| Jandowae | Local Centre | 4.1 | 75% | | 128 | 128 | n/a | 3900 | 0.9 |
| | Low Density Residential | 55.6 | | 10 | 25 | 25 | 6.2 | 87.8 | 0.575 |
| Tara | Local Centre | 4.3 | 75% | | 128 | 128 | n/a | 3900 | 0.9 |
| | Low Density Residential | 40.2 | | 10 | 25 | 25 | 6.2 | 84.9 | 0.575 |
| | Low Impact industry | 4.0 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| Dalby | Major Centre | 41.2 | 150% | | 128 | 128 | n/a | 7800 | 0.9 |
| | Low Density Residential | 296.5 | | 10 | 25 | 25 | 4.9 | 87.0 | 0.575 |
| | Medium Density Res | 48.7 | | 30 | 75 | 75 | 4.9 | 157.5 | 0.8 |
| | Low Impact industry | 46.0 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| | Medium Impact Industry | 73.9 | 75% | | 50 | 50 | n/a | 337.5 | 0.9 |
| | Rural Residential | 1.2 | | 2.5 | 6.25 | 6.25 | n/a | 22.5 | 0.15 |

**Table SC3.4 Existing and projected residential dwellings**

| Projection area | Dwelling type | 2011 | 2016 | 2021 | 2026 | Ultimate development |
|---|---|---|---|---|---|---|
| **Chinchilla** | Detached | 1,766 | 2,011 | 2,194 | 2,384 | 3,184 |
| | Attached | 221 | 251 | 274 | 298 | 398 |
| **Dalby** | Detached | 3,754 | 4,160 | 4,336 | 4,523 | 5,434 |
| | Attached | 326 | 362 | 377 | 393 | 473 |
| **Miles** | Detached | 429 | 641 | 743 | 833 | 1,145 |
| | Attached | 29 | 44 | 51 | 57 | 78 |
| **Wandoan** | Detached | 176 | 176 | 176 | 207 | 351 |
| | Attached | 28 | 28 | 28 | 32 | 55 |
| **Tara** | Detached | 294 | 337 | 354 | 370 | 452 |
| | Attached | 46 | 52 | 55 | 57 | 70 |
| **Jandowae** | Detached | 376 | 376 | 376 | 376 | 679 |
| | Attached | 26 | 26 | 26 | 26 | 46 |
| **Inside PIA** | | **7,470** | **8,461** | **8,989** | **9,556** | **12,365** |
| **Outside PIA** | Detached | 5,025 | 5,054 | 5,079 | 5,123 | 5,197 |
| **Total dwellings** | | **12,495** | **13,515** | **14,067** | **14,679** | **15,394** |

**Table SC3.5 Existing and projected non-residential floor space**

| Projection area | Industry category | 2011 | 2016 | 2021 | 2026 | Ultimate development |
|---|---|---|---|---|---|---|
| **Chinchilla** | Community | 15,734 | 17,972 | 20,173 | 22,090 | 29,274 |
| | Education | 11,801 | 13,479 | 15,130 | 16,567 | 21,955 |
| | Office | 35,634 | 40,701 | 45,686 | 50,027 | 66,297 |
| | Retail | 21,218 | 24,236 | 27,204 | 29,789 | 39,477 |
| | Industry / construction | 75,433 | 86,160 | 96,711 | 105,900 | 140,342 |
| | ***Total GFA*** | ***159,821*** | ***182,548*** | ***204,903*** | ***224,373*** | ***297,345*** |
| **Dalby** | Community | 43,170 | 45,135 | 46,683 | 48,512 | 57,826 |
| | Education | 36,060 | 37,701 | 38,994 | 40,521 | 48,302 |
| | Office | 62,977 | 65,844 | 68,102 | 70,770 | 84,358 |
| | Retail | 50,839 | 53,153 | 54,976 | 57,129 | 68,098 |
| | Industry / construction | 204,169 | 213,463 | 220,783 | 229,431 | 273,482 |
| | ***Total GFA*** | ***397,215*** | ***415,296*** | ***429,537*** | ***446,363*** | ***532,066*** |
| **Miles** | Community | 4,544 | 5,964 | 7,100 | 8,124 | 11,402 |
| | Education | 3,968 | 5,208 | 6,200 | 7,094 | 9,957 |
| | Office | 5,472 | 7,182 | 8,550 | 9,783 | 13,731 |
| | Retail | 5,196 | 6,821 | 8,120 | 9,291 | 13,040 |
| | Industry / construction | 19,198 | 25,201 | 30,001 | 34,326 | 48,178 |
| | ***Total GFA*** | ***38,377*** | ***50,376*** | ***59,973*** | ***68,617*** | ***96,308*** |
| **Wandoan** | Community | 1,522 | 1,759 | 2,061 | 2,548 | 4,442 |
| | Education | 1,329 | 1,536 | 1,800 | 2,225 | 3,879 |
| | Office | 1,833 | 2,119 | 2,482 | 3,068 | 5,350 |
| | Retail | 1,741 | 2,012 | 2,357 | 2,914 | 5,081 |
| | Industry / construction | 6,431 | 7,434 | 8,708 | 10,766 | 18,771 |
| | ***Total GFA*** | ***12,855*** | ***14,860*** | ***17,408*** | ***21,521*** | ***37,523*** |
| **Tara** | Community | 3,101 | 3,207 | 3,356 | 3,511 | 4,271 |
| | Education | 3,730 | 3,858 | 4,036 | 4,223 | 5,136 |
| | Office | 3,813 | 3,944 | 4,126 | 4,318 | 5,252 |
| | Retail | 2,405 | 2,488 | 2,603 | 2,723 | 3,313 |
| | Industry / construction | 10,477 | 10,836 | 11,336 | 11,862 | 14,428 |
| | ***Total GFA*** | ***23,526*** | ***24,333*** | ***25,457*** | ***26,637*** | ***32,399*** |
| **Jandowae** | Community | 1,971 | 2,039 | 2,133 | 2,232 | 4,288 |
| | Education | 1,647 | 1,703 | 1,782 | 1,864 | 3,582 |
| | Office | 2,876 | 2,974 | 3,112 | 3,256 | 6,255 |
| | Retail | 2,322 | 2,401 | 2,512 | 2,628 | 5,049 |
| | Industry / construction | 9,323 | 9,643 | 10,088 | 10,556 | 20,279 |
| | ***Total GFA*** | ***18,138*** | ***18,760*** | ***19,627*** | ***20,537*** | ***39,453*** |
| ***Inside PIA*** | ***Total GFA*** | ***649,932*** | ***706,173*** | ***756,905*** | ***808,048*** | ***1,035,094*** |
| ***Outside PIA*** | Rural/mining /other | 915,037 | 915,037 | 915,037 | 915,037 | 915,037 |
| ***Total GFA*** | | ***1,564,969*** | ***1,652,014*** | ***1,704,170*** | ***1,756,806*** | ***2,014,912*** |

**Table SC3.6 Existing and projected demand for the water supply network**

| Column 1<br>Service catchment | Column 2<br>Existing and projected demand (EP) | | | |
|---|---|---|---|---|
| | 2016 | 2021 | 2026 | Ultimate development |
| Tara | 1,650 | 1,686 | 1,703 | 1,795 |
| Dalby | 13,505 | 13,610 | 14,123 | 15,000 |
| Miles | 1,798 | 2,075 | 2,387 | 2,609 |
| Wandoan | 809 | 815 | 821 | 893 |
| Jandowae | 1,255 | 1,255 | 1,255 | 1,255 |
| Chinchilla | 8,088 | 8,396 | 8,704 | 9,358 |

**Table SC3.7 Existing and projected demand for the sewer network**

| Column 1<br>Service catchment | Column 2<br>Existing and projected demand (EP) | | | |
|---|---|---|---|---|
| | 2016 | 2021 | 2026 | Ultimate development |
| Tara | 1,577 | 1,635 | 1,697 | 1,790 |
| Dalby | 12,540 | 12,961 | 13,454 | 14,120 |
| Miles | 1,693 | 1,998 | 2,272 | 2,460 |
| Wandoan | 622 | 693 | 804 | 876 |
| Jandowae | 1,146 | 1,146 | 1,146 | 1,146 |
| Chinchilla | 6,074 | 6,869 | 7,561 | 8,161 |

**Table SC3.8 Existing and projected demand for the stormwater drainage network**

| Column 1<br>Service catchment | Column 2<br>Existing and projected demand (impervious hectares) | | | |
|---|---|---|---|---|
| | 2016 | 2021 | 2026 | Ultimate development |
| Chinchilla | 194.4 | 208.6 | 222.8 | 251.67 |
| Dalby | 375.1 | 402.5 | 429.9 | 485.64 |
| Miles | 77.1 | 82.7 | 88.4 | 99.84 |
| Wandoan | 46.4 | 49.8 | 53.2 | 60.11 |
| Tara | 28.5 | 30.6 | 32.6 | 36.87 |
| Jandowae | 43.0 | 46.1 | 49.2 | 55.62 |

**Table SC3.9 Existing and projected demand for the transport network**

| Column 1<br>Service catchment | Column 2<br>Existing and projected demand (vpd) | | | |
|---|---|---|---|---|
| | 2016 | 2021 | 2026 | Ultimate development |
| Chinchilla | 54,704 | 60,802 | 66,398 | 130,361 |
| Dalby | 120,068 | 124,502 | 129,548 | 228,745 |
| Miles | 16,310 | 19,234 | 21,841 | 42,789 |
| Wandoan | 4,776 | 5,297 | 6,443 | 16,036 |
| Tara | 8,257 | 8,654 | 9,056 | 11,321 |
| Jandowae | 7,161 | 7,329 | 7,507 | 19,544 |

**Table SC3.10 Existing and projected demand for the public parks and land for community facilities network**

| Column 1<br>Service catchment | Column 2<br>Existing and projected demand (persons) | | | |
|---|---|---|---|---|
| | 2016 | 2021 | 2026 | Ultimate development |
| **District facilities:** | | | | |
| Chinchilla | 5,564 | 6,245 | 6,838 | 9,062 |
| Dalby | 11,665 | 12,065 | 12,537 | 14,945 |
| Miles | 1,567 | 1,866 | 2,135 | 2,996 |
| Balance of region | 15,225 | 15,334 | 15,486 | 15,629 |
| **Regional facilities:** | | | | |
| WDRC region | 34,021 | 35,510 | 36,996 | 38,480 |

## SC3.2 Local government infrastructure plan maps

(a) Local Government Infrastructure Plan Map LGIP-PIA;

i. Planning Scheme with PIA - Index Map, PIP - 001, dated 22/10/2015
ii. Planning Scheme with PIA - Wandoan, PIP - 001.1, dated 22/10/2015
iii. Planning Scheme with PIA - Miles, PIP - 001.2, dated 22/10/2015
iv. Planning Scheme with PIA - Chinchilla, PIP - 001.3, dated 22/10/2015
v. Planning Scheme with PIA - Jandowae, PIP - 001.4, dated 22/10/2015
vi. Planning Scheme with PIA - Tara, PIP - 001.5, dated 22/10/2015
vii. Planning Scheme with PIA - Dalby, PIP - 001.6, dated 22/10/2015

(b) Local Government Infrastructure Plan Map LGIP-W Plans for trunk water supply infrastructure;

i. Water - Index Map, LGIP-W, dated 20/10/2015
ii. Water - Wandoan, LGIP-W-01, dated 20/10/2015
iii. Water - Miles, LGIP-W-02, dated 20/10/2015
iv. Water - Chinchilla, LGIP-W-03, dated 20/10/2015
v. Water - Tara, LGIP-W-05, dated 20/10/2015
vi. Water - Jandowae, LGIP-W-04, dated 20/10/2015
vii. Water - Dalby, LGIP-W-06, dated 20/10/2015

(c) Local Government Infrastructure Plan Map LGIP- S Plans for trunk sewerage infrastructure;

i. Sewerage - Index Map, LGIP-S, dated 20/10/2015
ii. Sewerage - Wandoan, LGIP-S-01, dated 20/10/2015
iii. Sewerage - Miles, LGIP-S-02, dated 20/10/2015
iv. Sewerage - Chinchilla, LGIP-S-03, dated 20/10/15
v. Sewerage - Jandowae, LGIP-S-04, dated 20/10/2015
vi. Sewerage - Tara, LGIP-S-05, dated 20/10/2015
vii. Sewerage - Dalby, LGIP-S-06, dated 20/10/2015

(d) Local Government Infrastructure Plan Map LGIP-D Plans for trunk drainage infrastructure;

i. Drainage - Index Map, LGIP-D, dated 22/10/2015
ii. Drainage - Wandoan, LGIP-D-01, dated 22/10/2015
iii. Drainage - Miles, LGIP-D-02, dated 22/10/2015
iv. Drainage - Chinchilla, LGIP-D-03, dated 22/10/2015

v. Drainage - Jandowae, LGIP-D-04, dated 22/10/2015
vi. Drainage - Tara, LGIP-D-05, dated 22/10/2015
vii. Drainage - Dalby, LGIP-D-06, dated 22/10/2015

(e) Local Government Infrastructure Plan Map LGIP-R Plans for trunk transport infrastructure;

i. Transport - Index Map, LGIP-R, dated 22/10/2015
ii. Transport - Urban Roads - Wandoan, LGIP-R-01, dated 22/10/2015
iii. Transport - Urban Roads - Miles, LGIP-R-02, dated 22/10/2015
iv. Transport - Urban Roads - Chinchilla, LGIP-R-03, dated 22/10/2015
v. Transport - Urban Roads - Jandowae, LGIP-R-04, dated 22/10/2015
vi. Transport - Urban Roads - Tara, LGIP-R-05, dated 22/10/2015
vii. Transport - Urban Roads - Dalby, LGIP-R-06, dated 22/10/2015

(f) Local Government Infrastructure Plan Map LGIP-P Plan for trunk parks and land for community facilities infrastructure;

i. Parks & Community - Index Map, LGIP-P, dated 19/04/2016
ii. Parks & Community - Wandoan, LGIP-P-01, dated 19/04/2016
iii. Parks & Community - Miles, LGIP-P-02, dated 19/04/2016
iv. Parks & Community - Chinchilla, LGIP-P-03, dated 19/04/2016
v. Parks & Community - Tara, LGIP-P-04, dated 19/04/2016
vi. Parks & Community - Jandowae, LGIP-P-05, dated 19/04/2016
vii. Parks & Community - Dalby, LGIP-P-06, dated 19/04/2016
viii. Parks & Community - Lake Broadwater, LGIP-P-07, dated 19/04/2016
ix. Parks & Community – Regional catchment, LGIP-P-08, dated 19/04/2016

(g) Local Government Infrastructure Plan Map LGIP-F Plan for trunk footpath infrastructure.

i. Footpaths - Index Map, LGIP-F, dated 20/10/2015
ii. Footpaths - Wandoan, LGIP-F-01, dated 20/10//2015
iii. Footpaths - Miles, LGIP-F-02, dated 20/10//2015
iv. Footpaths - Chinchilla, LGIP-F-03, dated 20/10/2015
v. Footpaths - Jandowae, LGIP-F-04, dated 20/10/2015
vi. Footpaths - Tara, LGIP-F-05, dated 20/10/2015
vii. Footpaths - Dalby, LGIP-F-06, dated 20/10/2015