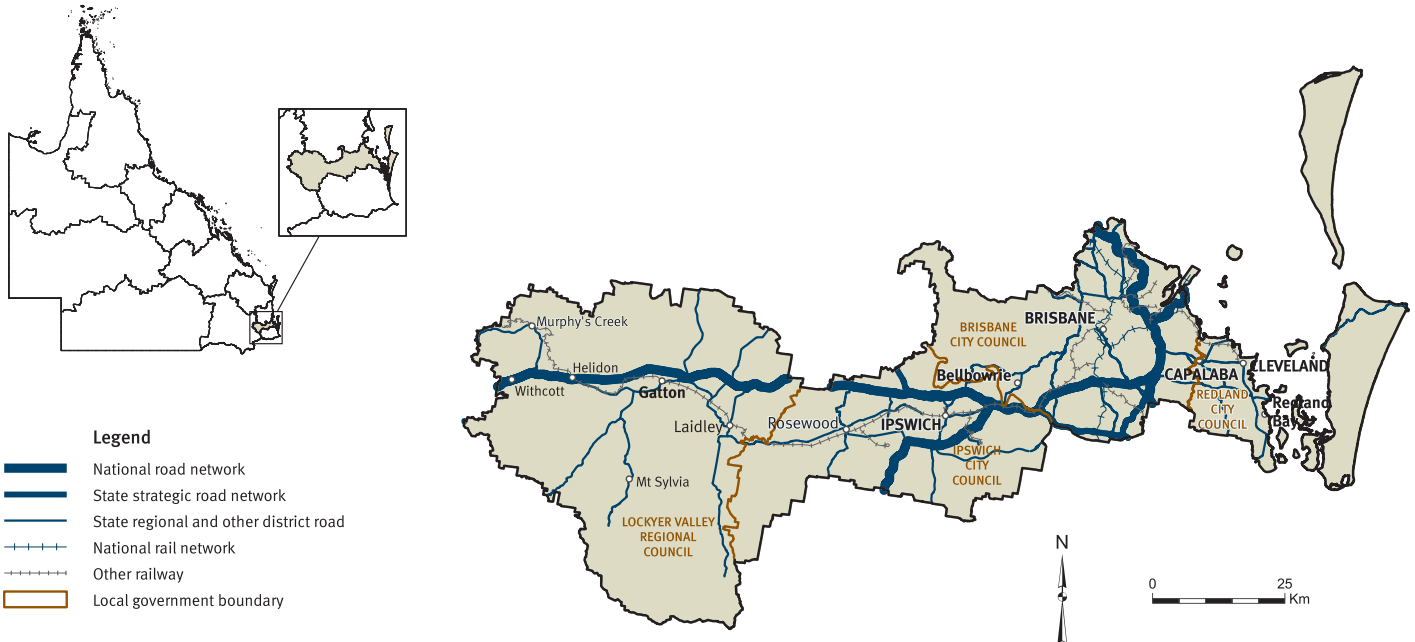


Metropolitan Road Facts

2010-11



Area profile

- Area:** 5226km², covering the greater Brisbane area from Redland Bay in the east through Ipswich and the Lockyer Valley in the west.
- Population:** Around 1.35 million.
- Industries:** Light and heavy industries, tourism, freight, aviation, manufacturing, creative, education, technology, agriculture, service sector.

Connecting Metropolitan

Transport and Main Roads services the state-controlled road network in Queensland. The department's Queensland Transport and Roads Investment Program 2010-11 to 2013-14, outlines what the department is doing in the Metropolitan Region of Queensland, now and in the future. The department's Brisbane Office and Ipswich Office are the main points of contact for residents, industry and business to connect with Transport and Main Roads and learn more about what is happening in the area.

State road projects in and around the Metropolitan Region are funded by the Queensland Government and the Australian Government. In the current roads program, the Queensland Government is investing \$465 914 000 in the region during 2010-11 (including \$8 931 000 in Transport Infrastructure Development Scheme projects), and the Australian Government is contributing \$798 325 000*. Developers also contribute to the roads program.

* Includes \$156 481 000 Queensland Government contributions to National Network projects.



Airport Link, Airport Drive Connection

Road network

- Cunningham Highway (Ipswich-Warwick)
- Warrego Highway (Ipswich-Toowoomba)
- Mount Lindesay Highway (Brisbane-Beaudesert)
- New England Highway
- Brisbane Valley Highway (Brisbane-Harlin)
- Logan Motorway
- Inner Northern Busway
- South East Busway
- South East Arterial Road (Pacific Motorway)
- Gateway Arterial Road (Gateway Motorway - South)
- Gateway Arterial Road (Gateway Motorway - North)
- Gympie Arterial Road
- Mount Lindesay Arterial Road
- Cunningham Arterial Road (Ipswich Motorway)
- Western Arterial Road (Ellen Grove-Jindalee)
- Western Arterial Road (Jindalee-Everton Park)
- East West Arterial Road
- South West Arterial Road
- Griffith Arterial Road
- Nathan Connection Arterial Road
- Sandgate Sub-Arterial Road
- Logan Sub-Arterial Road
- Redland Sub-Arterial Road
- Strathpine Sub-Arterial Road
- Albany Creek Sub-Arterial Road
- Samford Sub-Arterial Road
- Moggill Sub-Arterial Road
- Cleveland Sub-Arterial Road
- Redcliffe Sub-Arterial Road
- Brighton-Redcliffe Road
- Cleveland-Redland Bay Road
- Beenleigh-Redland Bay Road
- Redland Bay Road
- Mount Cotton Road
- Capalaba-Cleveland Road
- Ipswich-Boonah Road
- Ipswich-Cunningham Highway Connection Road
- Ipswich-Warrego Highway Connection Road
- Rosewood-Marburg Road
- Ipswich-Rosewood Road
- Rosewood-Warrill View Road
- Rosewood-Laidley Road
- Gatton-Esk Road
- Gatton-Laidley Road
- Gatton-Clifton Road
- Gatton-Helidon Road
- Brisbane-Moggill Ferry Road
- Forest Hill-Fernvale Way
- Everton Park-Albany Creek Road
- Linkfield Connection Road
- Springwood Connection Road
- Port of Brisbane Road
- Brisbane-Redland Road
- Centenary Highway (Springfield-Yamanto)
- East Coast Road
- Victoria Point Road
- Capalaba-Victoria Point Road
- Birkdale Road
- Swanbank Road
- Karrabin-Rosewood Road
- Haiglea-Amberley Road
- Mount Crosby Road
- Mount Sylvia Road
- Murphy's Creek Road
- Mulgowie Road

Metropolitan road activities

Significant achievements in 2009-10

Effective, efficient and sustainable transport system

- Completed construction on the Australian Government-funded Ipswich Motorway and Logan Motorway interchange upgrade. Works included a major upgrade of the interchange and a 2.2km stretch of the Ipswich Motorway between Goodna and Gales.
- Completed construction of the Australian Government-funded Ipswich Motorway upgrade (Wacol to Darra). Works included a major upgrade of the Centenary Highway Interchange to a free-flowing multi-level interchange, and upgrade of a 5km section of the Ipswich Motorway to six lanes to meet the Ipswich/Logan Interchange at Gales.
- Commenced construction on the Australian Government-funded Ipswich Motorway upgrade (Dinmore to Goodna). Works will include upgrading 8km of the Ipswich Motorway between Dinmore and Goodna to a minimum of six lanes.
- Commenced detailed planning for the construction of a 3km realignment of the Cunningham Highway. Planning will also determine a final design for the new Amberley interchange. This project will provide improvements to safety at the Ipswich Rosewood Road intersection and capacity to accommodate growth in this area.
- Commenced a planning review/study of:
 - Rocklea to Darra section of the Ipswich Motorway to determine its future form, corridor requirements and staging options
 - Pacific Motorway between Brisbane and the Gateway Motorway to identify future improvements along this corridor to maximize safety and transport efficiency
 - Logan Motorway and Gateway Motorway extension to determine future form, corridor requirements and staging options.
- Completed planning to determine:
 - future form, corridor requirements and staging options for the Kenmore Bypass
 - future upgrade of the Progress Road interchange on the Ipswich Motorway.
- Completed and submitted a business case for the Mains Road and Kessels Road intersection upgrade to the Australian Government as part of the Infrastructure Australia program. Community engagement will continue throughout the life of the project working directly with affected land owners, business owners and other key stakeholders.
- Completed a business case for the Miles Platting Road, Padstow Road and Logan Road intersection and surrounding road network upgrade. A preferred option for the upgrade was released to the community for consultation. This was finalised in October 2009.
- Commenced a road network study, in partnership with Brisbane City Council and the Brisbane Airport Corporation, of the Australia TradeCoast area north of the Brisbane River. This study will determine the form and staging of the future road network to service development of this area in accordance with current land use planning instruments.
- Completed a transport network planning study covering large areas of Brisbane north, determining future sequencing of transport infrastructure and services projects to best meet transport demands in coming decades.
- Management, monitoring and operation of the Integrated Transport System network using STREAMS and other traffic engineering techniques to meet demands including projects works, and planned and unplanned events.



Construction of Acacia Ridge rail crossing overpass

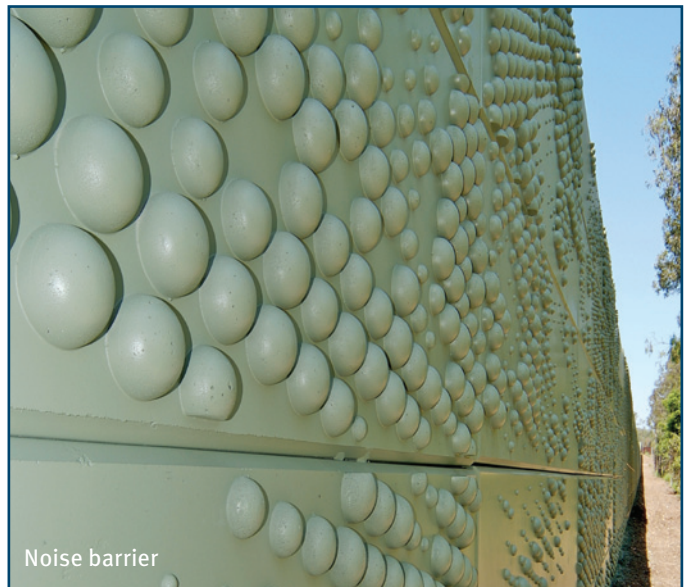
Metropolitan Road Facts

- Completed and submitted a business case for the Warrego Highway, Brisbane Valley Highway interchange to the Australian Government for funding.
- Completed a business case for upgrading the Gateway Motorway between Nudgee Road and the Bruce Highway, after the release of the Western Brisbane Transport Network Investigation. Potential staging options will now need to be reinvestigated. Several smaller projects have originated from this study to aid in congestion and safety management of the road.
- Commenced origin-destination travel time traffic surveys in Brisbane north including Wemply Road and surrounds and the Logan Motorway. The data will be used for traffic modelling and planning works for the Gateway Motorway, Logan Motorway and surrounding road network projects.
- Completed a planning study for staging the upgrade of the Gateway Motorway between Mount Gravatt-Capalaba Road and the Pacific Motorway. Funding for the study and preliminary investigation works is jointly funded by the state and federal governments.

Safe transport systems promoting health and well-being

- Completed construction of the Kurilpa Bridge Positive Stop Barrier at the Ann Street ramp onto the Riverside Expressway. These works provided assurance of safety for the Kurilpa Pedestrian Bridge by preventing it being struck by illegal over-height vehicles.
- Completed a preliminary safety audit of the Warrego Highway. Works will now be designed and programmed to deliver and address issues raised in the safety audit. Works will include:
 - improved intersection treatments
 - repairs to road surface
 - improved signage, guard rails and linemarking
 - provisions for pedestrians
 - heavy vehicle accesses.
- Completed road traffic noise assessments for nine road segments in south east Queensland including:
 - Samford Road between Suez Street, Mitchelton and Gilliat Street, Keperra
 - Gympie Road between Beams Road and Graham Road, Carseldine
 - Pacific Motorway between Gaza Road and Shire Road, Tarragindi.

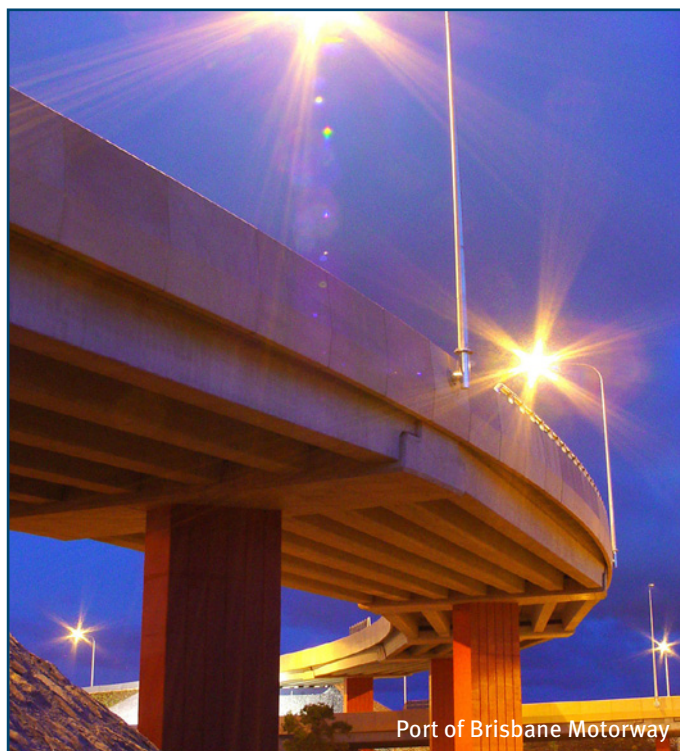
- Data collected will be used to seek funds for design and construction of noise-reducing treatments where required. Assessments are part of the Road Traffic Noise Management Strategy which plans the department's program of works for further road traffic noise investigations.
- Completed negotiations with a construction consultant of the Brisbane City Council North South Bypass Tunnel (CLEM7) project. Negotiations included installation of bicycle facilities, overpasses, noise barriers and other infrastructure.



- Completed the upgrade of lighting along Moggill Road between Sugars Road and Kangaroo Gully to improve safety.
- Completed an independent safety review of overtaking lanes on Samford Road. The review successfully confirmed the department's safe use of stone mastic asphalt and the need for ongoing safety improvements.
- Commenced an operational analysis study along Samford Road, between Wardell Street and Settlement Road. The study aims to identify solutions to reduce congestion and improve safety in a high residential and commercial environment.
- Commenced a mass action program for vehicle-activated signs as part of a drive awareness program aimed at improving safety on the Port of Brisbane Road, Cleveland-Redland Bay Road and German Church Road intersection and a section of the Griffith Arterial Road.

Cost-effective transport system delivery

- Completed construction of two of three intersections as part of the Port of Brisbane intersection upgrade. Works included realignment and signalisation of the Pritchard Street and Export Street intersection and the Port of Brisbane and Tanker Street intersection. Works are continuing on the upgrading and signalisation of the Lytton Road and Gosport Street intersection.



- Completed designs for Stage 1 of the Redlands Corridor upgrade. Works included upgrades and signalisation for Cleveland-Redland Bay Road and Beveridge Road, Ziegenfusz Road and Dinwoodie Road intersections, as well as Mount Cotton Road and Mount Gravatt-Capalaba Road and Alperton Road intersections to improve safety and relieve congestion.
- Completed an ancillary works program for the Riverside Expressway and Captain Cook Bridge. Works included rehabilitation of signs, electrical and lightpole refurbishment and works on the Queensland University of Technology car park. These works are part of an ongoing rehabilitation program.
- Continued the Houghton Highway duplication project to improve safety and travel times between Redcliffe Peninsula and northern Brisbane. Works include the new Ted Smout Memorial Bridge, attached bikeway and fishing platform.

- Permanent design with development of signage, both static and variable message, for Airport Link, Northern Link and Clem7 tunnels.
- Completed asphalt overlays to sections of Brisbane-Woodford Road. Works included improving road surface for traffic while preserving the pavement asset.
- Completed reseal and widening of East Coast Road on Stradbroke Island. Works included preserving the pavement asset and providing safer road conditions through wider pavements.

A transport system providing access to employment, education and services

- Maintained safe and efficient traffic operation of the Ipswich Motorway, Pacific Motorway, Gateway Motorway, Riverside Expressway, Gympie Road, Sandgate Road and Nudgee Road during major construction activities. Works included construction of Kurilpa Bridge, Airport Roundabout upgrade, construction of CLEM7, Coronation Drive upgrade and Ipswich Motorway upgrade.

Transport-related impacts on natural, cultural and built environments managed

- Completed a Road Corridor Environmental Assessment survey capturing ecological and cultural heritage data along state-controlled roads and preserved road corridors. The data captured included declared pest plant species, legislatively protected plants, cultural heritage data, bridges, erosion and landscape vegetation.
- Commenced the Keep Left truck trial on Kessels Road. The truck trial will investigate whether the use of the left lane by trucks will make the Brisbane Urban Corridor more effective for local users and the surrounding community.



Metropolitan Road Facts

- Remediated chemical contamination at a historic cattle dip site at Dayboro by excavating the contaminated soil and placing it in a large subsurface containment cell constructed on site.
- Established the South East Queensland Koala Retrofit Program (as part of the Premiers Koala Taskforce). This program will upgrade-retrofit fauna movement structures at strategic locations on the state-controlled road network in an attempt to reduce native fauna mortality on the roads.

Transport systems leadership

- Completed upgrading all Metropolitan Region's traffic signals to light emitting diodes, providing longer life, less power usage and increased light brightness while improving visibility to drivers.
- Successfully trialled a real-time traveller information system on Airport Drive, using radar and variable message signs to inform travellers of travel time and route alternatives.
- Commenced discussions with the Federal Government and its agents in a bid to ensure impacts of the National Broadband Rollout initiative on the state's existing and future transport infrastructure and operations are minimised.

Contemporary and progressive people, processes and systems

- Support of ongoing traffic and incident management through the Brisbane Metropolitan Transport Management Centre in association with the Brisbane City Council.
- 13 of the 14 trainees in the department's Constructive Mob training program graduated in December 2009. The program provided practical training in construction for Aboriginal and Torres Strait Islander people, including classroom and on-the-job experience leading to a Certificate II in Civil Construction.



Key deliverables in 2010-11 and 2011-12

Effective, efficient and sustainable transport system

- Continued construction on the Australian Government-funded \$1.95 billion Ipswich Motorway upgrade (Dinmore to Goodna). Works include upgrading 8km of motorway to a minimum of six lanes.
- Continued construction on the Brisbane Airport roundabout as part of the Airport Link project. Works include improving travel times for motorists travelling to and from the airport.
- Design and development of tools to better match traffic volumes to motorway capacity, helping to reduce stop-start traffic conditions and improve motorway capacity and safety through the implementation of the Managed Motorway Initiative, part of the Queensland Government's Urban Congestion Management Strategy.
- Continued construction of the Australian Government, Queensland Government and Queensland Rail funded Acacia Ridge rail crossing overpass on Beaudesert Road. Commenced a freight study into how best to service existing and future road freight demands generated by the Acacia Ridge rail freight terminal.



Safe transport systems promoting health and well-being

- Continue delivery of programmed safety works on the Warrego Highway. Works include:
 - improved intersection treatments
 - repairs to road surface
 - improved signage, guard rails and linemarking
 - provisions for pedestrians
 - heavy vehicle accesses.

- Continued construction on the Veloway 1 (V1) Cycleway between Brisbane City and Gateway Motorway off-ramp at Eight Mile Plains. Works will provide a high speed commuter link for cyclists parallel to the Pacific Motorway.
- Continue to address road traffic noise through the Road Traffic Noise Management Strategy, which plans the department's program of works for further road traffic noise investigations.

Cost-effective transport system delivery

- Continue the Houghton Highway duplication project to improve safety and travel times between the Redcliffe Peninsula and northern Brisbane. Future works include refurbishment and asphalt surfacing of the existing Houghton Highway Bridge, demolition of the existing Hornibrook Highway Bridge, and construction of a replica section of the Hornibrook Highway Bridge with attached fishing platform at Hays Inlet.
- Continue the Port of Brisbane intersection upgrade. Works will include upgrading and signalisation of the Lytton Road and Gosport Street intersection.
- Continue work on Stage 1 of the Redland Corridor upgrade. Works include intersection upgrades and signalisation for Cleveland-Redland Bay Road's intersection with Beveridge, Ziegenfusz and Dinwoodie Roads, and Mt Cotton Road intersections with Mt Gravatt-Capalaba and Alpertown Roads to improve safety and relieve congestion.
- Continue the rehabilitation works program for Riverside Expressway and Captain Cook Bridge. Works include rehabilitation and replacement of bearings for the Riverside Expressway, recabling of street lights to maintain safety, refurbishment of expansion joints, and investigation and remedial works on curved exit and entry ramps. These works are part of an ongoing Riverside Expressway and Captain Cook Bridge rehabilitation program.
- Continue processing land use development, public utility and other applications across the region, ensuring the adverse impacts of land use and third party infrastructure proposals are minimised on the department's existing and future transport infrastructure and operations.
- Assume responsibility and continue to maintain and manage the mechanical and electrical maintenance for Boggo Road Busway and Inner Northern Busway including ongoing responsibility for South East Busway.

A transport system providing access to employment, education and services

- Continue upgrade of the Gatton-Esk Road to service the new Gatton Correctional Facility. Works include widening the pavement to 10 metres to improve safety and provide for the increased traffic generated by the new facility.

Transport-related impacts on the natural, cultural and built environments managed

- Complete the installation of 700m of fauna fencing along Finucane Road and 300m along Moreton Bay Road within the Redland Shire.

Transport system leadership

- Continue to engage the Australian Government and its agents in the bid to ensure impacts of the National Broadband Rollout initiative on the state's existing and future transport infrastructure and operations are minimised.
- Develop a single integrated transport system platform for use by both the department and Brisbane City Council.
- Developed and implemented a Variable Speed Limit system on Centenary Motorway.

Contemporary and progressive people, processes and systems

- Continue to manage the Permitted Attachment Private Line Transition project throughout Metropolitan Region. This project aims to achieve a more effective data communication network.



Houghton Highway duplication project

Major challenges for Metropolitan

- Developing a long-term road, busway and bike network to support south east Queensland's economy and communities, to support the achievement of objectives in the department's Corporate Plan.
- Facilitating sustainable land use and transport outcomes through appropriate and timely delivery of transport infrastructure, and integrating with other land use and infrastructure planning agencies.
- Supporting development of key freight and passenger routes to meet the transport needs of a rapidly developing region while continuing to deliver a significant program of road infrastructure, including roads projects in the South East Queensland Infrastructure Plan and Program, within scope, on time and on budget.
- Optimising the capacity and safety of heavily-trafficked roads on the environment and amenity of adjacent land uses while reducing the impact of heavy vehicles in highly populated urban areas, and targeting the reduction of accident-prone areas through the Safer Roads Sooner program.
- Continuing to work in partnership with local government to develop and deliver the Transport Infrastructure Development Scheme.



How to find out more

To find out more, the department's website has up-to-date information on current and future projects, roadworks and road closures, web cameras and how communities and interested citizens can be involved in community engagement activities.

Please visit www.tmr.qld.gov.au or contact a local Transport and Main Roads office.

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