

CURRENT AND FUTURE PRIORITIES OF ROADS ACT



ACT
Government

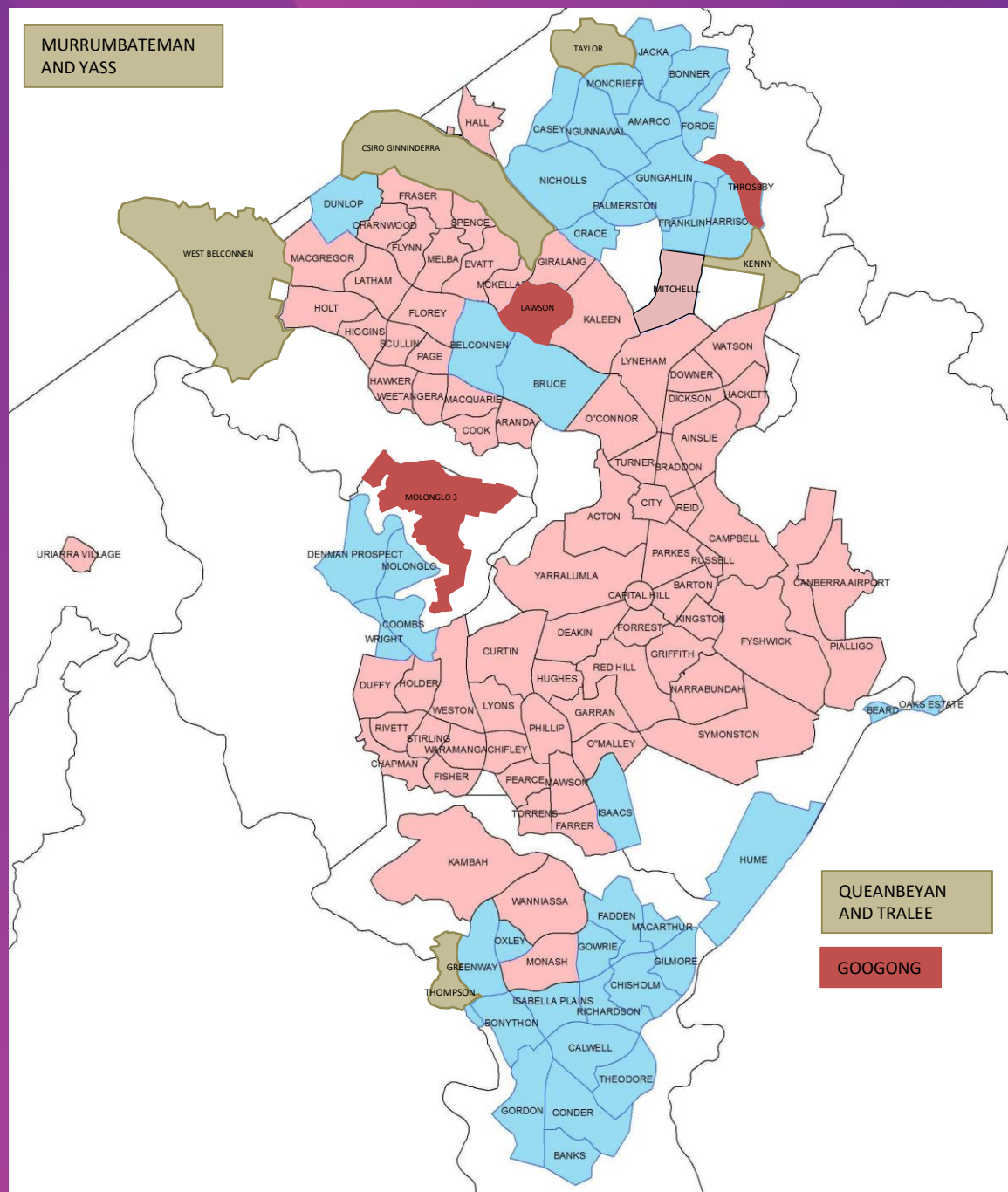
Transport Canberra and
City Services



KEY:

1981 – 2016
(45% of assets)

Future Development





ACT
Government

Transport Canberra and
City Services

KEY ASSETS

Asset Type	Asset Size	Prior to 1980
Roads	3,070 kilometres (6,751 lane kilometres)	56%
Bridges	1,013	54%
Community Paths	2,384 kilometres	58%
Cycle Lanes (on/off road)	902 kilometres	53%
Stormwater	4,176 pipe kilometres	61%
Streetlights	77,431	52%
	Average	56%

Source: Extract from the TAMS 2014-15 Annual Report



ACT
Government

Transport Canberra and
City Services

ORGANISATIONAL STRUCTURE



ACT
Government
Transport Canberra and
City Services

ROADS ACT

Updated September 2016

Helen Stravens
Executive Assistant
(AS05 – PN 11524)

**Director
Tony Gill
(E 00276)**

Traffic Management & Safety
Rifaat Shoukrallah
Senior Manager
(IM3 – PN 25035)

**Strategic Planning and
Development**
Karl Cloos
Senior Manager
(IM3 – PN 25027)

Road Maintenance
Ken Marshall
Senior Manager
(IM3 – PN 29545)

KEY RESPONSIBILITIES

- Management of the use/operation of the Territory's roads and bridges assets
- Management of the Territory's traffic signals assets including their maintenance
- Management of the development and delivery of Minor New Works, Capital Upgrades and Federal Black Spot Programs
- Regulating the use of the ACT's roads and associated assets
- Commissioning the creation of new assets
- Investigating, reports/complaints of poor performance of roads and traffic assets, recommending corrective action
- Investigating, reporting and liaising with the Government Solicitor on FOI requests and compensation claims against the Department
- Providing advice to Government and other stakeholders on a range of issue including traffic signals, the structural adequacy of bridges, traffic management (including for special events) and on road safety actions and measures

KEY RESPONSIBILITIES

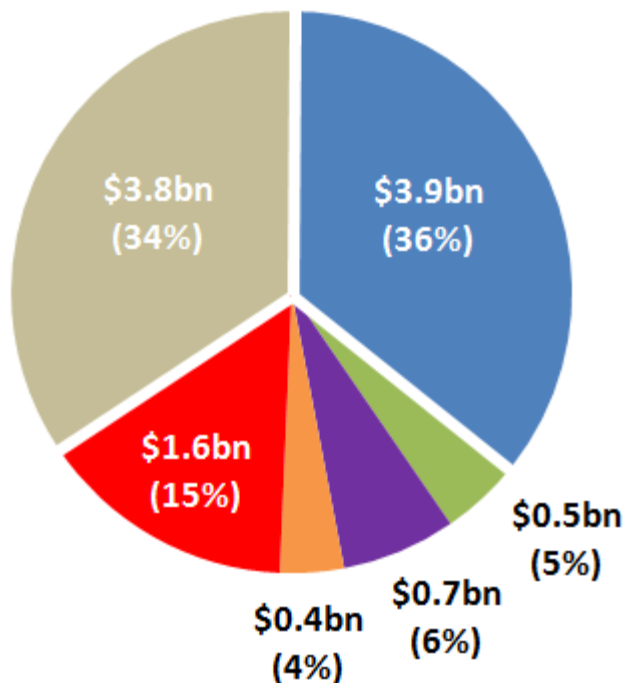
- Develop the Roads ACT Strategic Asset Management Plan
- Establish guidelines and procedures for asset management best practice
- Maintain consistent design standards and specifications for road and road associated assets
- Co-ordination and development of strategic planning and policy advice for Roads ACT
- Manage the needs assessment and development of Capital Upgrades and the future Roads ACT Capital Works programs
- Co-ordinate and provide advice to Government and stakeholders including other road authorities on a range of road infrastructure issues and requests such as annual reporting, asset valuation and insurance, National Highway reporting, NTC expenditure, Commonwealth Grants Commission
- Co-ordinate the implementation of specific Roads ACT business improvement projects

KEY RESPONSIBILITIES

- Accept created road related assets (not including gifted assets)
- Develop and deliver maintenance and repair programmes for all of the Territory's road related assets including:
 - Pavements (including condition data collection and analysis)
 - pavement markings
 - bridges, tunnels and culverts
 - dams (including rainfall and flooding data collection)
 - signs, barriers and other roadside furniture
 - urban stormwater infrastructure
 - streetlighting
 - community paths
 - bus stops and stations
- Provide road related services including street sweeping, incident response and event traffic management
- Deliver the Minor New Works programme
- Operate and maintain the Canberra Integrated Urban Waterways stormwater reuse scheme

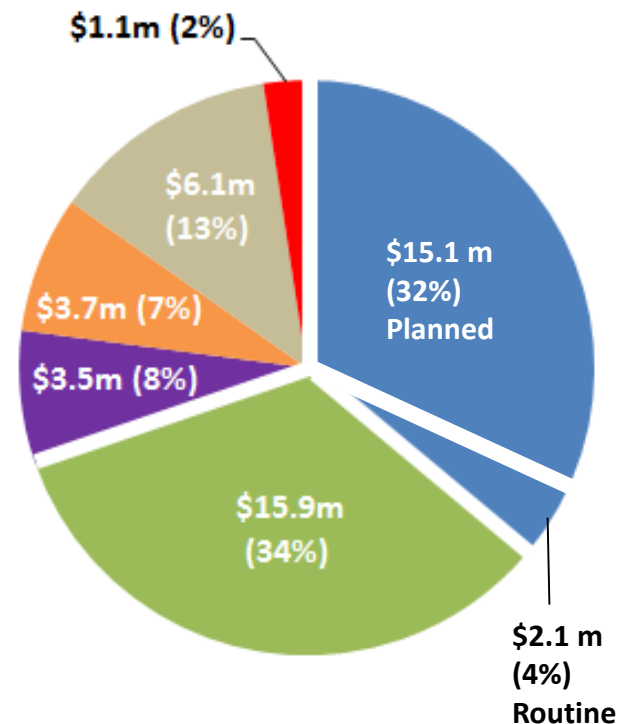
ROAD ASSETS AND MAINTENANCE

**2014-15 Insured
Asset Value (\$11bn)**



- Roads
- Streetlight & Traffic Signals
- Other (paths / barriers, signs, etc)
- Community Path Maintenance
- Stormwater Maintenance
- Bridges

**2014-15 Operational and
Maintenance Budget (\$47.5m)
(0.5% of Asset Value)**





ACT
Government

Transport Canberra and
City Services

STRATEGIC ASSET MANAGEMENT



Intelligent Transport Systems (ITS)

A variable message sign (VMS) is an electronic traffic sign often used to give travellers information about special events. Such signs warn of traffic congestion, accidents, incidents, roadwork zones, or speed limits on a highway segment.

VMS is a relatively new technology and asset, when compared against Roads ACT assets with their condition is assessed as good.

To reduce traffic congestion as the city grows there will be a greater implementation of a traffic control centre to maintain the current level on the road network for safety and efficiency.

Barriers

There are 1,872 barrier locations in the ACT region, within the network, and some of the end terminals do not meet the current standards.

A program of improvement work continues to be implemented to bring these barriers up to current standards to prevent accidents.



Roads ACT maintain 1,872 barriers within Canberra.

Roads ACT - Asset Management 2013 - 2015
Report Card



Roads

There are approximately 6,676 lane kilometres in the ACT roads network (calculated as the length of road multiplied by the number of lanes), which is equivalent of driving from Canberra to Perth and then back to Adelaide.

Road pavement surfacing is designed with a service life of 20 years. The condition of roads is monitored by undertaking various surveys. The measuring the cracks in the road surface, skidding resistance, ride (smoothness) and rutting for the Territorial roads and visual survey for Municipal roads.

Using this data, and comparing against data from previous year, it indicates that the roads are slowly deteriorating and that additional treatment methods are required in the future to stabilise or reverse the condition.

Maintenance on Morisset Road is an example of a poor pavement condition as it was intended to be reconstructed by the LDA. It has been postponed for a number of years which means the roads require significant maintenance to continue its service life.



Morisset Road, Kenny.

Roads ACT - Asset Management 2013 - 2015
Report Card



Roads ACT - Asset Management 2013 - 2015 Report Card





ACT
Government

Transport Canberra and
City Services

MAINTENANCE STRATEGIES



CHIPSEAL

Maintain (\$10 / m²)



**NEW
ASPHALT
SURFACE**

Repair (\$70 / m²)



**NEW
ASPHALT
SURFACE AND
FOUNDATION**

Replace (\$300 / m²)



ACT
Government

Transport Canberra and
City Services

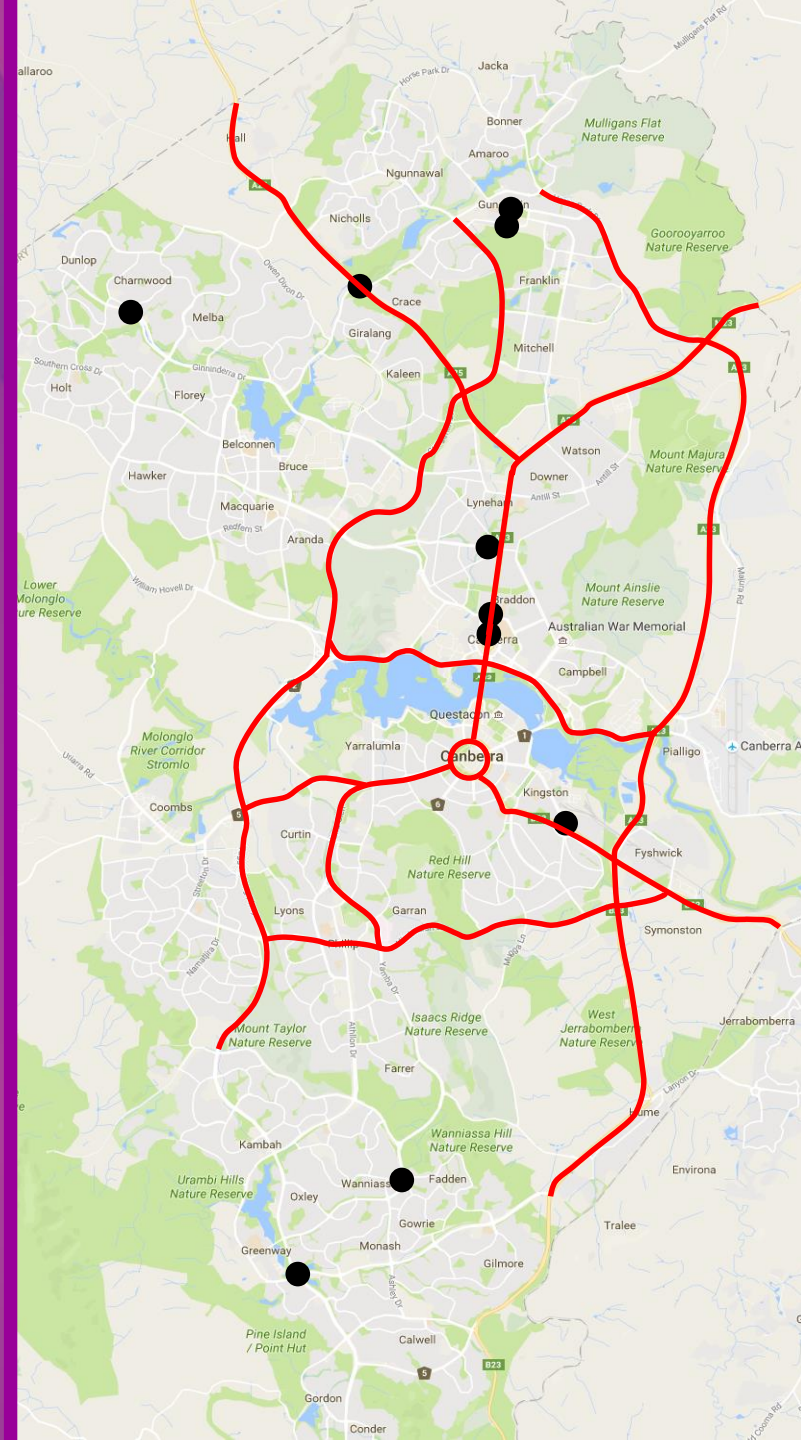
CANBERRA'S TOP 10

Crash Sites: ●

1. Barton Hwy / Gundaroo Dr
2. Canberra Ave / Wentworth Ave
3. Athllon Dr / Drakeford Dr
4. Efkarpidis St / Hinder St
5. Barry Dr / Cooyong St
6. Ashley Dr / Erindale Dr
7. Anthony Rolfe Ave / Mawby St
8. Ginninderra Dr / Tillyard Dr
9. David St / Macarthur Ave
10. London Ct / Northbourne Ave

Busiest Corridors: ~

1. Tuggeranong Pkwy / Caswell Dr
2. Adelaide Ave / Yarra Glen / Yamba Dr
3. Morshead Dr / Parkes Way
4. Federal Hwy
5. Capital Circle / Canberra Ave
6. Gungahlin Dr
7. Northbourne Ave / Commonwealth Ave
8. Barton Highway
9. Horse Park Drive / Majura Parkway / Monaro Hwy
10. Hindmarsh Dr





ACT
Government

Transport Canberra and
City Services

1, 3, 5 & 10 YEAR FORWARD INTENTIONS

TCCS / CMTEDD Road Improvements

5 Year (2017/18 - 2022/23 +)

Intersection Improvements

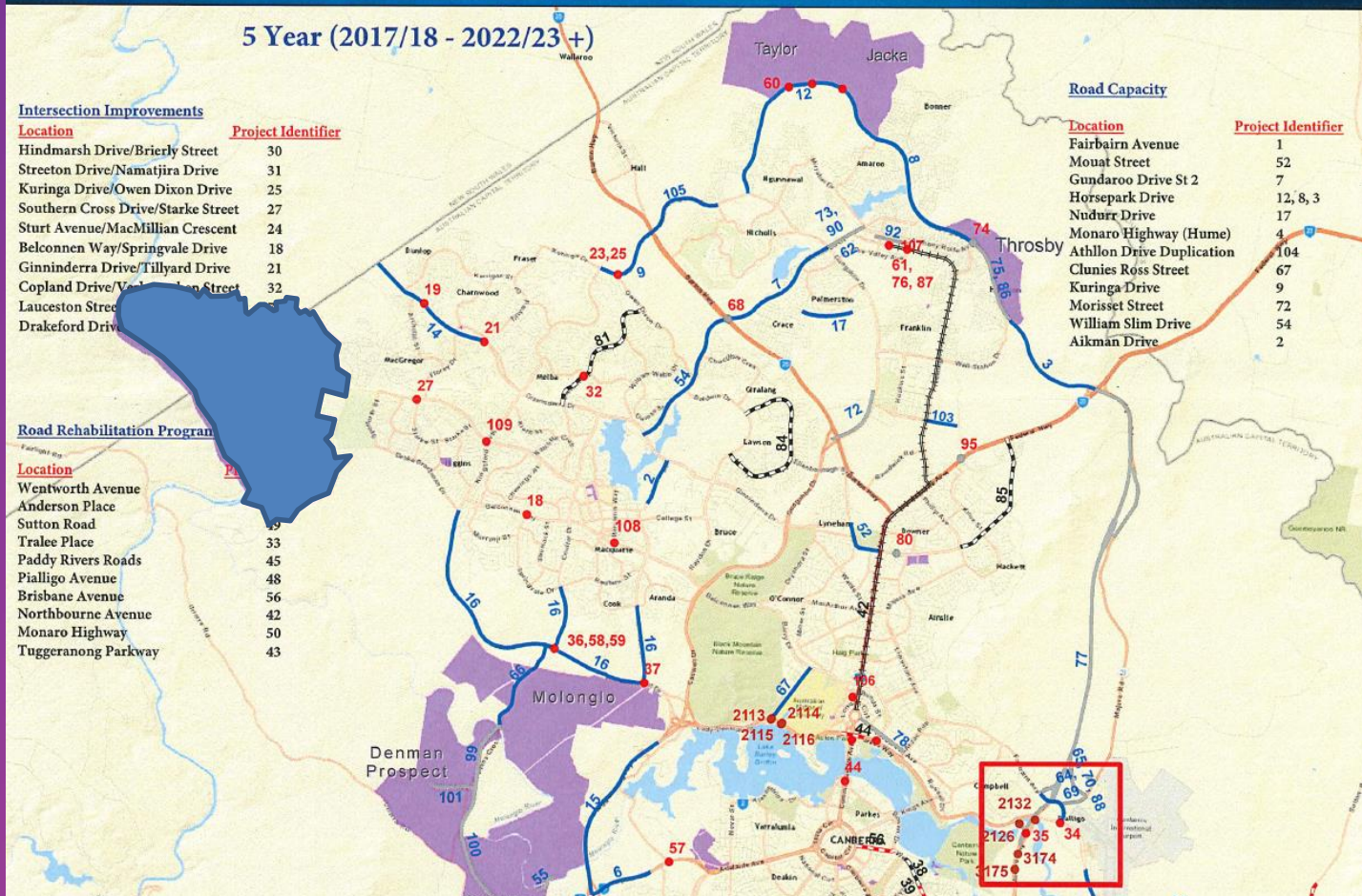
Location	Project Identifier
Hindmarsh Drive/Brierly Street	30
Streeton Drive/Namatjira Drive	31
Kuringa Drive/Owen Dixon Drive	25
Southern Cross Drive/Starke Street	27
Sturt Avenue/MacMillian Crescent	24
Belconnen Way/Springvale Drive	18
Ginninderra Drive/Tillyard Drive	21
Copland Drive/Vandell Street	32
Lauceston Street	19
Drakeford Drive	23, 25

Road Rehabilitation Program

Location	Project Identifier
Wentworth Avenue	39
Anderson Place	32
Sutton Road	33
Tralee Place	33
Paddy Rivers Roads	45
Pialligo Avenue	48
Brisbane Avenue	56
Northbourne Avenue	42
Monaro Highway	50
Tuggeranong Parkway	43

Road Capacity

Location	Project Identifier
Fairbairn Avenue	1
Mouat Street	52
Gundaroo Drive St 2	7
Horsepark Drive	12, 8, 3
Nudurr Drive	17
Monaro Highway (Hume)	4
Athlone Drive Duplication	104
Clunies Ross Street	67
Kuringa Drive	9
Morisset Street	72
William Slim Drive	54
Aikman Drive	2



THE FUTURE ...

**Connecting
Services**
Canberra Community

**Organisational
Capability**
People, Systems,
Policies and Programs

Technology
Intelligent Traffic Systems
Network Operations

Ageing Assets
Maintain, Repair
Replace

