



Australian Government

**BUILDING OUR FUTURE**



**MAKING IT HAPPEN**

# Western Sydney Infrastructure Plan

## 1 July – 31 December 2015 Report Card



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Front cover: Night work on new shared pedestrian and cycle bridge, Werrington Arterial Road

# Message from the Ministers

Welcome to the six monthly Report Card for the Western Sydney Infrastructure Plan – a 10 year program of major road infrastructure jointly funded by the Australian and NSW governments.

Roads and Maritime Services is continuing to plan and deliver a package of road upgrades to support economic and residential growth in western Sydney. The improvements to western Sydney's road network will play an important role in the construction and operation of the planned western Sydney airport at Badgerys Creek, and the development of new business and residential lands in the area.

Significant work has taken place across the projects in the last six months, including completing and opening to motorists the first section of the Bringelly Road Upgrade Stage 1. We have also moved into the delivery phase for The Northern Road Stage 1 and have progressed field investigations, road design studies and route identification across all projects yet to commence construction.

The Western Sydney Infrastructure Plan will capitalise on the economic benefits taking place in the region by providing a reliable and efficient network of roads that will promote investment in the region and make western Sydney an even better place to live and do business.

Through the Western Sydney Infrastructure Plan, the Australian and NSW governments are effectively planning for the future, with an additional one million residents predicted to be living in western Sydney by 2031. The Plan will progressively roll out major road upgrades before increased traffic demand associated with the western Sydney airport, surrounding developments and increased population.

To support these new infrastructure developments and meet program timeframes, Roads and Maritime is accelerating the planning and delivery of the Western Sydney Infrastructure Plan road network where possible.

In December 2015 a section of Bringelly Road Upgrade was completed. This significant milestone marked the first occasion a Western Sydney Infrastructure Plan upgrade was opened to motorists.

The Western Sydney Infrastructure Plan will upgrade existing major road corridors including The Northern Road, Bringelly Road (building started), and upgrades to Gipps Street and Kent Road to form the Werrington Arterial Road (building started). It will also deliver a new \$1.25 billion east-west M12 Motorway between the M7 Motorway and The Northern Road, providing access to the western Sydney airport.

These new and upgraded roads will generally feature four lanes with capacity for six lanes in the future, central

medians to separate traffic and improve safety, wide shoulders and improved street lighting. Off road paths for cyclists and pedestrians, and improved bus priority with dedicated bus lanes will also be provided as a result of these upgrades.

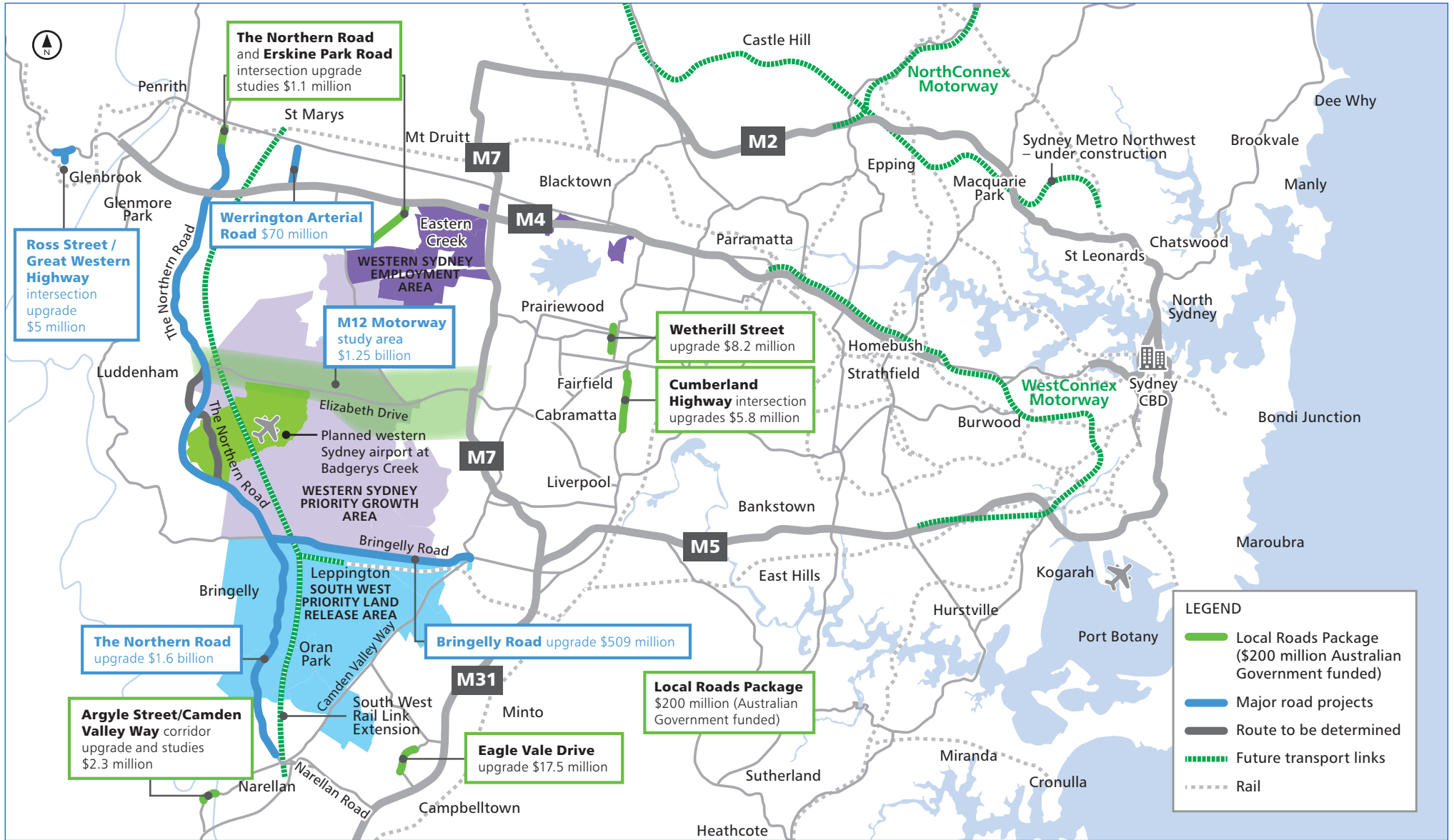
The Australian Government has allocated \$200 million to a Local Roads Package. This will assist local councils in western Sydney to upgrade specific council managed roads that will support the Western Sydney Infrastructure Plan's upgraded road network.



**The Hon. Paul Fletcher MP**  
Minister for Major Projects, Territories and Local Government



**The Hon. Duncan John Gay MLC**  
NSW Minister for Roads, Maritime and Freight



Above: Western Sydney Infrastructure Plan overview map

# Western Sydney Infrastructure Plan overview

The new and upgraded Western Sydney Infrastructure Plan roads are being fast-tracked for delivery since the Australian and NSW governments announced this vital western Sydney infrastructure package on 16 April 2014.

The Australian and NSW governments are funding a 10 year, \$3.6 billion road investment program for western Sydney. The Western Sydney Infrastructure Plan will deliver major road infrastructure upgrades to support an integrated transport solution for the region and capitalise on the economic benefits from developing a western Sydney airport at Badgerys Creek.

The overview map on page 2 shows the planned 61km of Western Sydney Infrastructure Plan upgrades, the western Sydney airport site, future transport corridors, employment centres and existing transport links. These high quality road improvements will deliver significant, ongoing safety and congestion-relieving benefits for customers.

The new 2km **Werrington Arterial Road** is being built– an upgrade of existing roads to form a high quality link between the Great Western Highway and the M4 Motorway.

The 10km **Bringelly Road Upgrade** is being delivered in two stages between Camden Valley Way, Leppington and The Northern Road, Bringelly. It will generally provide four lanes with a six lane divided road from east of Eastwood Road to east of Cowpasture Road (south), through the future Leppington Town Centre.

The Bringelly Road Upgrade stages are:

- Stage 1: 5.7km from Camden Valley Way, Leppington to King Street, Rossmore, currently being built.
- Stage 2: 4.3km from King Street, Rossmore to The Northern Road, Bringelly, currently in development.

The new **M12 Motorway**, an east-west link to the planned airport, is in early planning.

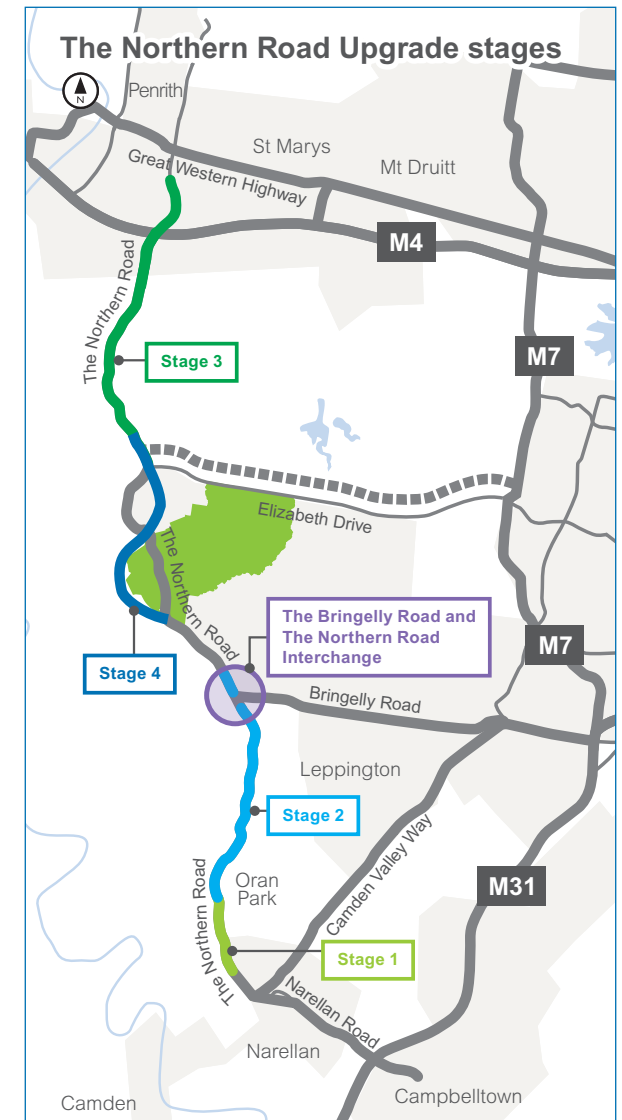
The 35km **The Northern Road Upgrade**, from Jamison Road, Penrith to The Old Northern Road, Narellan is being delivered in four stages. It will cater for future traffic from planned residential and commercial developments in time for a western Sydney airport opening in the mid-2020's.

The Northern Road Upgrade stages are:

- Stage 1: 3.3km between The Old Northern Road, Narellan and Peter Brock Drive, Oran Park
- Stage 2: 10km between Peter Brock Drive, Oran Park and Mersey Road, Bringelly
- Stage 3: 10km between Littlefields Road, Luddenham and Jamison Road, Penrith
- Stage 4: 11km between Mersey Road, Bringelly and Littlefields Road, Luddenham.

A 1km grade separated Bringelly Road and The Northern Road Interchange will be delivered as part of The Northern Road and Bringelly Road Upgrades.

Upgrades to the **Ross Street and Great Western Highway Intersection** at Glenbrook will improve safety and reduce congestion for road users.



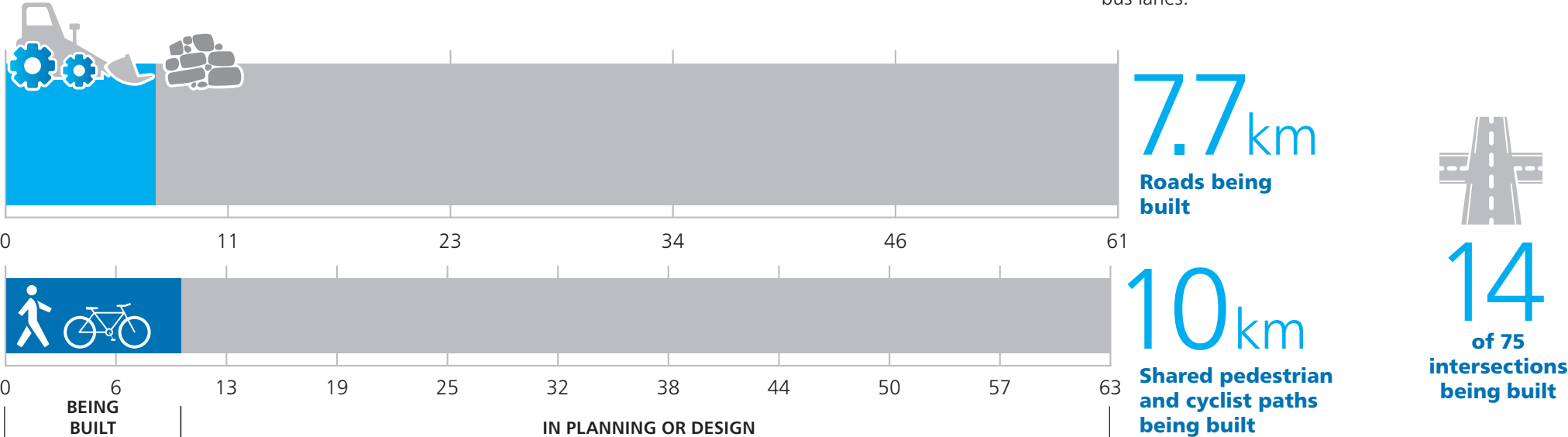
The Northern Road Upgrade stages

# Progress so far

The Australian and NSW governments have made significant progress to deliver the Western Sydney Infrastructure Plan in the last six months.

Roads and Maritime continued building 7.7km of the 61km of Western Sydney Infrastructure Plan roads on the Werrington Arterial Road and Bringelly Road Upgrade Stage 1 sites.

The construction tender for The Northern Road Stage 1 was awarded in November 2015, with substantial work to start in February 2016. The upgrade will widen The Northern Road from two to four lanes with a wide median, four new intersections and additional kerb side bus lanes.



About 75 intersections will be built or upgraded for the Western Sydney Infrastructure Plan projects in the next 10 years. Fourteen of these intersections are now being built.

Work has also continued on 10km of the planned 63km of shared pedestrian and cyclist paths between July and December 2015.

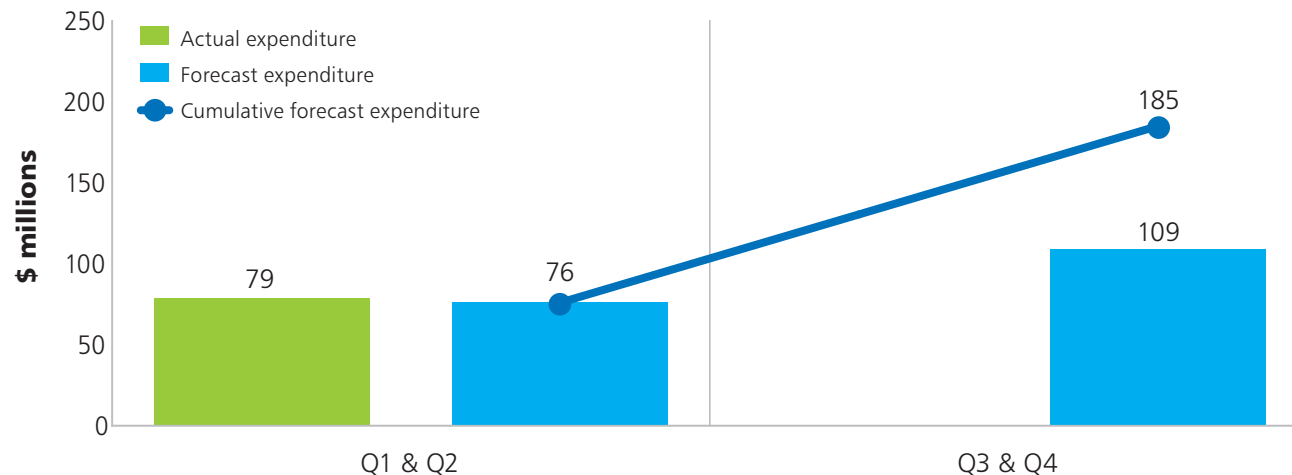
### Expenditure

The Western Sydney Infrastructure Plan is a \$3.6 billion program. The Australian Government will fund \$2.9 billion, while the NSW Government will invest around \$700 million.

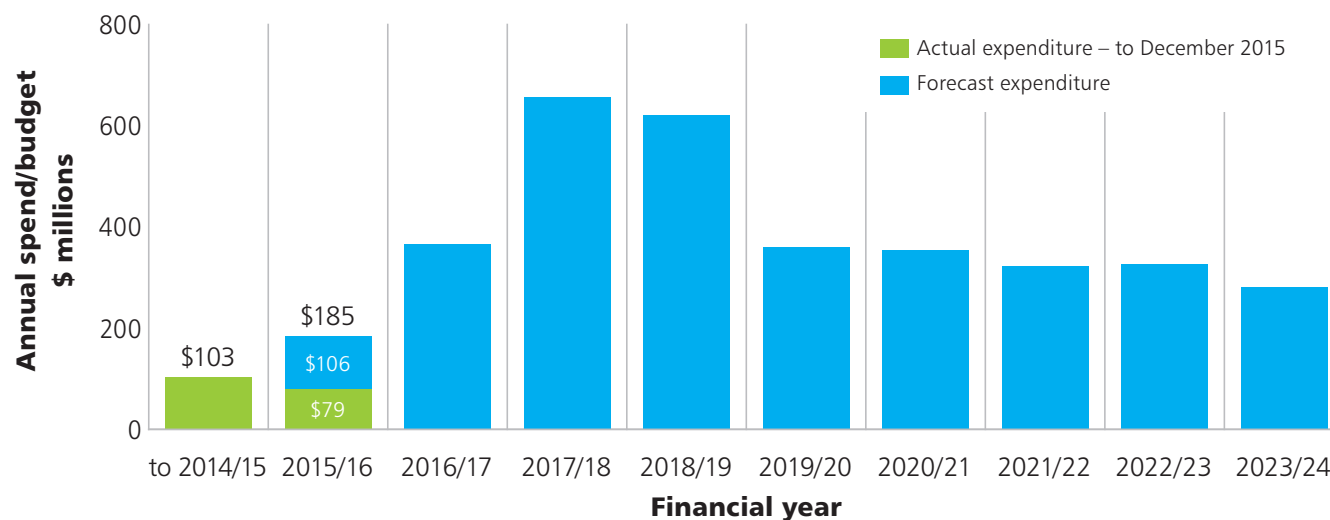
Expenditure for the 10 year program is forecast to peak during the 2017–18 financial year when building for the majority of projects will be underway.

Expenditure on the Western Sydney Infrastructure Plan for the first six months of the 2015/16 financial year was \$79 million. This figure was more than the original forecast of \$76 million, due to the projects running ahead of schedule. Expenditure for the second six months is forecast to total \$106 million, with construction commencing on The Northern Road Stage 1 and property acquisitions for future projects within the Western Sydney Infrastructure Plan.

**Fig a. 2015/16 Expenditure**

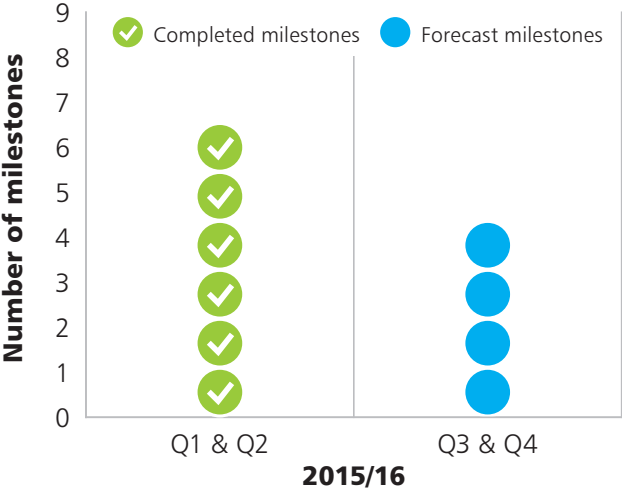


**Fig b. Western Sydney Infrastructure Plan Actual and forecast expenditure**



# Progress so far

**Fig c. Milestone performance 2015/16**



Six of 10 key milestones have already been completed for 2015/16:

- Awarded the construction contract for The Northern Road Upgrade Stage 1 in November 2015
- Announced the preferred option for The Northern Road Upgrade Stage 3 in July 2015
- Announced the preferred option for The Northern Road Upgrade Stage 4 in November 2015
- Announced the preferred option for The Northern Road and Bringelly Road Interchange in July 2015
- Displayed the Review of Environmental Factors for The Northern Road and Bringelly Road Interchange in November 2015
- Submitted the final project approval for Bringelly Road Upgrade Stage 2 in November 2015.

The remaining four milestones are targeted for the second six months of 2015/16:

- Start building The Northern Road Upgrade Stage 1
- Finish the detailed design for The Northern Road Upgrade Stage 2
- Determine the Review of Environmental Factors for The Northern Road and Bringelly Road Interchange
- Finish the detailed design for The Northern Road and Bringelly Road Interchange.



## Environment

Roads and Maritime Services is continuing to implement environmental controls across all Western Sydney Infrastructure Plan projects. These guidelines are in place to prevent or minimise environmental impacts at all active construction sites in accordance with environmental approvals and industry best practice. From July to December 2015 the Roads and Maritime environment team conducted fortnightly inspections for all projects in build stages, in which time there were no significant environmental incidents recorded.

A range of environmental planning and assessment studies are being carried out for Western Sydney Infrastructure Plan projects. Biodiversity, cultural heritage, noise and vibration assessments inform the various planning stages and help to minimise the impact of construction activities.

An Environmental Impact Statement is being prepared for The Northern Road Upgrade Stage 3 and 4, due to its listing as State Significant Infrastructure. Extensive field surveys and consultation with key stakeholders are underway as part of the Environmental Impact Statement's early investigations.

An overall biodiversity offset strategy for the Western Sydney Infrastructure Plan is being prepared. This Australian and NSW Government initiative will obtain a reserve of offsets to cover likely future impact on biodiversity.

## Work, Health and Safety

Western Sydney Infrastructure Plan staff and contractors are continuing to manage risk and promote a safe work culture, in line with Roads and Maritime's safety policies and Hierarchy of Controls. Risk mitigation activities on construction sites for workers, road users and the community continue to be undertaken across all Western Sydney Infrastructure Plan projects. This ensures that hazards are identified and eliminated early or suitable controls are implemented. These protocols foster an effective health and safety culture and actively contribute to the success of our projects.

### WHS Site Visits

The Roads and Maritime Executive Work Health and Safety Committee carried out a site inspection and hazard identification at the Bringelly Road Upgrade in September 2015. The committee were able to experience the hazards and risks that staff and contractors are exposed to, and reinforced the benefits of eliminating hazards from the workplace.

Mitigating measures have been introduced on the Werrington Arterial Road project to reduce the risks associated with working near traffic, plant and utility infrastructure. These safety guidelines continue to be assessed for effectiveness by Roads and Maritime. Consultation, cooperation and coordination strategies for sub-contractors were developed and are being implemented on site to assist in the rollout of these safety guidelines.

## WHS Workshops

Roads and Maritime project workshops integrate hazard identification and risk assessment methods early in the project design process. These workshops assist in eliminating or minimising the risk of injury to staff and contractors, and ensure mechanisms are in place to capture WHS information and statistics throughout the lifecycle of the asset.

The following workshops were held from July to December 2015:

- The Northern Road Upgrade Stage 4 – preferred option workshop
- M12 Motorway – a strategic route options short listing and value management workshop
- The Northern Road Upgrade Stage 2 – constructability and safety in design workshop.



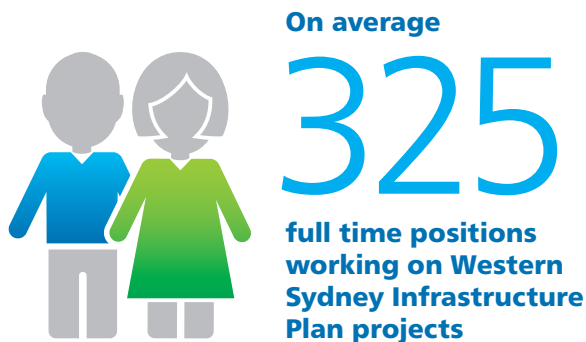
Werrington Arterial Road, looking east along the M4 Motorway

# Progress so far

## Employment

The Australian and NSW governments anticipate the Western Sydney Infrastructure Plan would create about 4000 direct and indirect jobs during the 10 year lifetime of this program.

As of 31 December 2015 there was an average of 325 full time positions working on Western Sydney Infrastructure Plan projects, including consultants and contractors. Forecasts indicate that this number is set to increase in 2016 as various projects progress from planning to construction.



## Supporting Local Business

Approximately \$23.4 million worth of contracts have been awarded to businesses based in western Sydney for the Bringelly Road Upgrade Stage 1 and Werrington Arterial Road (both in construction).

There are 130 sub-contractors and suppliers working across all Western Sydney Infrastructure Plan projects, double the number reported in the previous 2014/15 Report Card.

More than 73 per cent of the suppliers working on the Werrington Arterial Road are based in western Sydney, whilst more than half of contracts for the Bringelly Road Upgrade Stage 1 have been awarded to western Sydney suppliers.



## Providing Employment Opportunities

### Gremalco – Werrington Arterial Road

Western Sydney based businesses are expanding due to work on the Western Sydney Infrastructure Plan. Gremalco, a local business based in Marsden Park, is experiencing major growth due to the Werrington Arterial Road, Bringelly Road and Richmond Road projects.

Operations Manager, Sam Masri, said these projects have been responsible for significant new work opportunities for residents in the region.

**“We’ve increased our workforce by 50 per cent in the past 18 months,”** Mr Masri said.

**“About 90 per cent of our staff live in western Sydney, myself included.”**

Mr Masri said the operational requirements of new road projects in western Sydney have restructured the business.

**“Traditionally we are an overhead powerline business. But since securing contracts for western Sydney projects, we have diversified and expanded,”** he said.

**“We recently added an underground division to our workforce. Because of this division, we needed to purchase specialised equipment for new underground and civil work projects.”**

Mr Masri said the increase in the workforce is one reason why his company will relocate from Marsden Park to Wetherill Park at the end of 2016.

**“We are moving as there is no space for us to expand our office. There are so many new businesses cropping up. There’s been a real transformation in the area.”**



Gremalco Operations Manager Mr Masri with staff

### **Southwest Tipper Hire – Bringelly Road Upgrade**

Southwest Tipper Hire is another small business expanding due to the Western Sydney Infrastructure Plan. As a resident living on Bringelly Road, owner Patrick Zinghini has seen the changes to the area from the start of construction.

**“Most of my work has always been local, however since the Bringelly Road Upgrade the workload has increased and is more consistent,”** Mr Zinghini said.

About a year ago, Mr Zinghini hired a driver to support his growing business, and is looking to hire more staff in the near future.

**“At the moment we are a small operation, but due to the increased workload we are looking to take on more staff in the next few months.”**

**“It’s been a real benefit to the community – not just to the local businesses but also in terms of new infrastructure. At first I was sceptical, but now I can only see the benefits.”**



Mr Zinghini of Southwest Tipper Hire

## Progress so far



The Northern Road and Bringelly Road Interchange Community Information Session, July 2015

## Consultation

Roads and Maritime Services is committed to transparent and inclusive consultation across all development projects. Communities and stakeholders are provided with opportunities to give feedback and suggestions which can influence decisions and strategic planning. These opportunities occur as projects approach specific milestones such as selecting new road corridor alignments or during the display of environmental assessments.

The community is encouraged to have a say at important milestones in each project's development through:

- One-on-one meetings
- Community information sessions
- Information displays
- Postal submissions
- Roads and Maritime and NSW Government websites.

# 124,098

project update newsletters, letters & notifications sent from July 2015 to December 2015

Project update



Information on Western Sydney Infrastructure Plan projects is provided through:

- Project update newsletters
- Regular website updates
- Letters to land owners and residents
- Staff visiting affected land owners and residents
- Electronic message signs targeting road users.

124,098 project update newsletters, letters and notifications were distributed for Western Sydney Infrastructure Plan projects from 1 July to 31 December 2015. Our project teams also met with local schools and childcare centres, businesses, councils, other government agencies and residents throughout project areas to consult on various project issues.

The Western Sydney Infrastructure Plan web pages received 51,172 unique visits in the reporting period.

Within the six month timeframe, Roads and Maritime consulted with the community to seek feedback and provide information for the following project milestones:

- The shortlisted route options for The Northern Road Upgrade Stage 4 between Mersey Road, Bringelly and Littlefields Road, Luddenham
- The preliminary design and access strategy for The Northern Road Upgrade Stage 3 between Littlefields Road, Luddenham and Jamison Road, Penrith
- The study area for the proposed M12 Motorway between the M7 Motorway, Cecil Hills and The Northern Road, Luddenham
- The preferred alignment for The Northern Road and Bringelly Road Interchange, Bringelly
- The concept design and Review of Environmental Factors for The Northern Road and Bringelly Road Interchange, Bringelly.

More than 1000 people attended eight Roads and Maritime community information sessions. In this time we received over 300 feedback submissions to be considered in future planning and development.

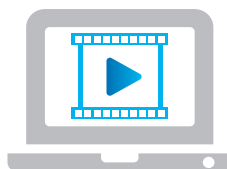
The Department of Infrastructure and Regional Development hosted 16 community information sessions in October and November to display the western Sydney airport's draft Environmental Impact Statement and draft Airport Plan. Roads and Maritime staff also attended these sessions, speaking with community members about the new road projects that would support the airport and wider community.

Roads and Maritime is continually updating the interactive digital portal on the Western Sydney Infrastructure Plan web page which features project information, animated videos, maps and photo galleries. To explore the interactive digital portal visit [rms.nsw.gov.au/wsip](https://rms.nsw.gov.au/wsip).



# 51,172

Visits to project web page during July–December 2015



# 12,000

More than 5300 people visited the portal, playing the videos around 12,000 times since its launch in July 2015.

# Bringelly Road Upgrade

The \$509 million Bringelly Road Upgrade will be delivered in two stages supporting the development of growth centres, employment and a western Sydney airport at Badgerys Creek.

This 10km project will include the upgrade of Bringelly Road from two lanes to a six lane divided road between the eastern side of Upper Canal bridge and the western side of Eastwood Road, through the future Leppington Town Centre.

The rest of Bringelly Road will also be upgraded from two lanes to a four lane divided road with a central median, allowing for widening to six lanes, when required.



Being built

# Bringelly Road Upgrade Stage 1

## Camden Valley Way, Leppington to King Street, Rossmore

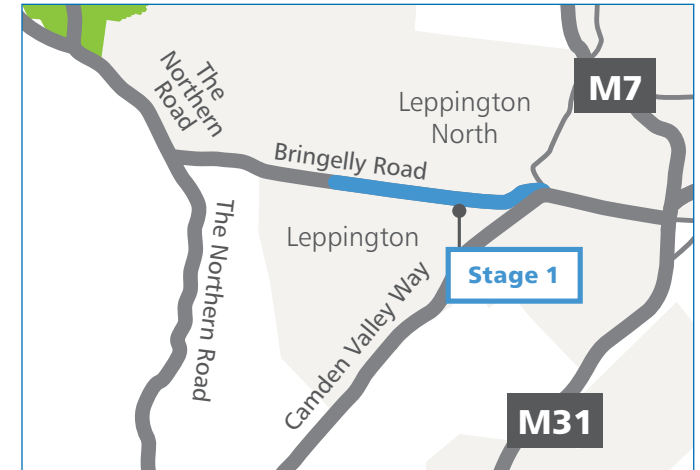
Approximately 1km of new road was opened to motorists in December 2015. This traffic switch was a significant milestone as it marked the first section of road in the Western Sydney Infrastructure Plan package to be opened to motorists.

## Benefits

- Increased capacity for future growth and improved access to the new Leppington Railway Station and the M5 and M7 Motorways
- Improved access to a western Sydney airport at Badgerys Creek and Western Sydney Priority Growth Area
- Improved access and travel times for freight in Sydney's south-west
- New landscaping and improved street lighting, particularly at the Camden Valley Way intersection.

## Features

- 80km/h speed limit
- New traffic lights at seven existing intersections with designated right and left turning lanes
- Realignment of the Bringelly Road/Camden Valley Way/Cowpasture Road intersection and upgrade of the traffic lights
- Nine intersections to be improved
- An extension to the existing noise wall on Cowpasture Road to the east
- Adjusting road levels to improve flood immunity.



## Project snapshot

**Project value Stages 1 and 2:** \$509 million

**Construction contractor:**  
BMD Constructions Pty Ltd (Stage 1 only)

**Construction started:** January 2015

**Expected to be open to traffic:** Late 2017

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Progress – July 2015 to December 2015

- \$39 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$110 million
- Forecast expenditure for 2015/16 financial year is expected to total \$50 million
- 17 days lost to wet weather
- 5.7km of roads currently being built
- 8km of shared pedestrian and cyclist path currently being built
- Contracts awarded for utility adjustments, demolition work, pavement work, bridge work, landscaping and traffic control
- Started piling work for eastbound bridge over upper canal in July
- Concrete bridge spans placed in November and concrete slab for bridge deck poured in December
- Traffic switch in December – new section of road opened to motorists.

## Next Steps

- Continue relocation work for electrical, telecommunications, gas and water utilities
- Continue property adjustments
- Complete construction of noise wall
- Complete construction of east bound bridge over upper canal
- Traffic switch at the intersection of Bringelly Road, Camden Valley Way and Cowpasture Road.

## Next major milestone

Open to traffic late 2017.



**9** Intersections  
to be improved



Installing a new bridge girder over canal, Bringelly Road





**In final design**

# Bringelly Road Upgrade Stage 2

## King Street, Rossmore to The Northern Road, Bringelly

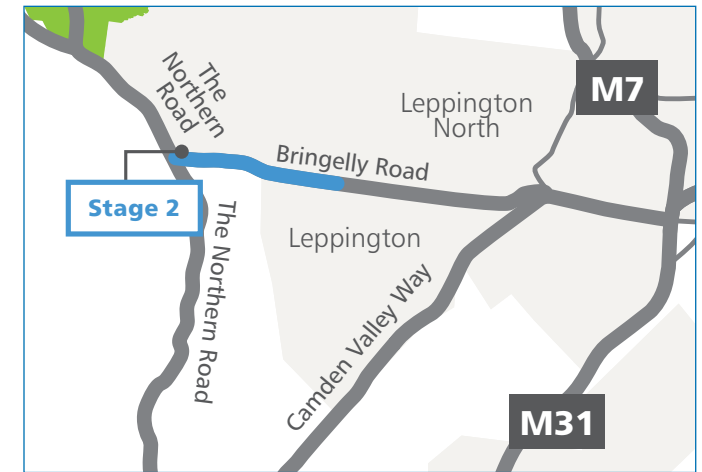
Roads and Maritime staff completed a review of the detail design and associated bridge plans, in preparation for the start of construction scheduled for 2017.

### Features

- 4.3km of road to be built
- 4.2km of shared pedestrian and cyclist path to be built
- Four new intersections with traffic lights and upgrades to three existing intersections
- New traffic lights at four existing intersections with designated right and left turning lanes
- A new bridge over South Creek.

## Progress – July 2015 to December 2015

- \$1.6 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$5.4 million
- Forecast expenditure for the 2015/16 financial year is expected to be \$28 million
- Rossmore Public School carpark design progressed
- Combined tender documentation process for The Northern Road Upgrade Stage 2 and Bringelly Road Stage 2 commenced
- Completed review of the detailed road design.



## Project snapshot

**Project value for Stages 1 and 2:** \$509 million

**Design contractor:**  
AECOM (formerly URS Australia Pty Ltd)

**Expected start of construction:** Early 2017

**Expected to be open to traffic:** 2019

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Next Steps

- Continue property acquisitions and utility designs
- Complete the South Creek bridge design
- Complete the septic tank relocation assessment
- Invite construction tenders and award contract.

## Next major milestone

Expression of Interest in April 2016 and award construction tender in late 2016.



Bringelly Road, Bringelly



**7** Intersections  
to be improved



**Being built**

# Werrington Arterial Road

## M4 Motorway to the Great Western Highway, Claremont Meadows

The Australian and NSW governments have funded a \$70 million upgrade of Gipps Street and Kent Road between the M4 Motorway and the Great Western Highway, Claremont Meadows.

Building of a new pedestrian and cyclist bridge over the M4 Motorway commenced in July 2015 and is scheduled to be complete in mid-2016. Upgrades to Kent Street and Gipps Road are also progressing, along with work on the new M4 Motorway ramps.

## Benefits

- Create better access and network connections for motorists and road freight by providing new east facing ramps on and off the M4 Motorway
- Reduce congestion and provide more reliable travel times, especially on The Northern Road and Mamre Road
- Enhanced safety at intersections with traffic lights, pedestrian crossings, separate turning lanes, and a separate shared path.



## Project snapshot

**Project value:** \$70 million

**Construction contractor:**  
Burton Contractors Pty Ltd

**Construction started:** March 2015

**Expected to be open to traffic:** Late 2016

**Australian Government contribution:**  
50 per cent

**NSW Government contribution:** 50 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic



Delivery of girder for new shared pedestrian and cycle bridge across M4 Motorway

## Features

- Traffic lights on Kent Road for the new eastbound entry ramp to the M4 Motorway and at the westbound M4 Motorway exit ramp and three intersection upgrades with traffic lights
- A pedestrian and cycle bridge over the M4 Motorway and new line marking on the Kent Road bridge to create two northbound lanes and one southbound lane
- Improvements to five intersections
- A noise wall on the western side of Gipps Street between Caddens Road and the Great Western Highway.

## Progress – July 2015 to December 2015

- \$16.8 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$25.3 million
- Forecast total expenditure for the 2015/16 financial year is \$30 million
- 12 days lost to wet weather
- 2km of roads being built
- 2km of shared pedestrian and cyclist paths being built.

## Next Steps

- Complete construction of pedestrian and cycle bridge over the M4 Motorway
- Traffic switch onto future southbound carriageway
- Finish earthworks near the M4 Motorway
- Complete utility relocations
- Build noise wall
- Complete construction of the northbound carriageway and local roads.

## Next major milestone

Open to traffic late 2016.



Earthwork next to the M4 Motorway, Claremont Meadows



**5** Intersections  
to be improved



# The Northern Road Upgrade

The Northern Road Upgrade is about 35km in length, from The Old Northern Road, Narellan to Jamison Road, Penrith. It is being planned in four stages and will cater for future traffic from planned residential and commercial developments. Stage 1 will be open to traffic in early 2018 with all stages expected to be finished by the end of 2019.

This major road upgrade will provide access to the Western Sydney Employment Area, the South West Priority Growth Area, and a western Sydney airport.



## Award contract

# The Northern Road Upgrade Stage 1

## Old Northern Road, Narellan to Peter Brock Drive, Oran Park

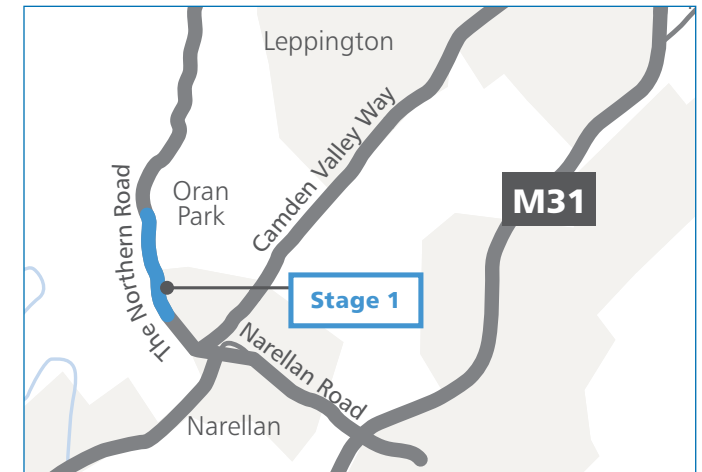
The Northern Road Stage 1 moved into delivery phase in November 2015, with the construction contract awarded to Georgiou Group Pty Ltd. Roads and Maritime hosted a launch event on site in recognition of the significant milestone, prior to construction activities starting in February 2016.

## Features

- 3.3km of road to be built
- 3.3km of shared pedestrian and cyclist path to be built
- Four intersections to be built/upgraded
- 80km/h speed limit
- Traffic light improvements at three intersections
- Bus priority lanes in each direction to avoid interference with traffic flow
- Duplication of bridge over Narellan Creek.

## Progress – July 2015 to December 2015

- Aboriginal Heritage Impact Permit received in October
- Construction contract awarded in November 2015
- \$0.8 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$7.5 million
- Forecast total expenditure for the 2015/16 financial year is \$14 million.



## Project snapshot

**Project value Stages 1 to 4:** \$1.6 billion

**Construction contractor:**  
Georgiou Group Pty Ltd (Stage 1 only)

**Contract awarded:** November 2015

**Expected to be open to traffic:** Early 2018

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Next Steps

- Establishing a site office
- Installing temporary traffic signs and safety barriers
- Surveying and investigating utilities including drainage and electricity
- Establishing environmental controls including water basins and sediment fencing to reduce environmental impacts
- Bulk earthwork and stormwater drainage for road construction
- Relocating public utilities including gas, electricity, telephone and water services along the route.

## Next major milestone

Start piling work for bridge foundations over Narellan Creek.



Roundabout at The Northern Road and Fairwater Drive, Harrington Park





**In final design**

# The Northern Road Upgrade Stage 2

## Peter Brock Drive, Oran Park to Mersey Road, Bringelly

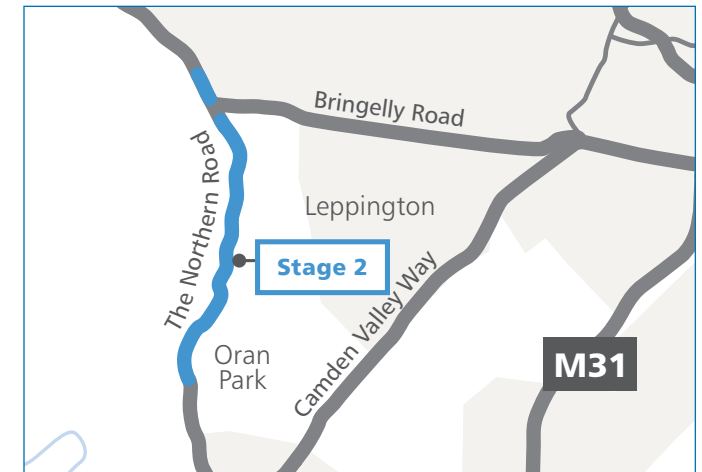
The detailed design of The Northern Road Stage 2a was finalised in October 2015 and detail design for Stage 2c will be finalised in March 2016. Stage 2 now includes the proposed grade separated interchange at Bringelly Road and The Northern Road.

### Features

- About 11km of road to be built
- About 11km of shared pedestrian and cyclist path built
- Nine intersections with traffic lights to be built and a further six intersections to be upgraded
- Existing bridge at Thompsons Creek will be replaced with new twin bridges.

## Progress – July 2015 to December 2015

- Detailed design finalised in October (Stage 2a)
- Electrical design packages were submitted to Endeavour Energy
- Continued with property valuations and liaising with owners
- \$5.7 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$11.5 million
- Forecast expenditure for the 2015/16 financial year is \$24 million.



## Project snapshot

**Project value Stages 1 to 4:** \$1.6 billion

**Design contractor:** GHD Pty Ltd (Stage 2 only)

**Expected start of construction:** Early 2017

**Expected to be open to traffic:** 2019

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Next Steps

- Apply for Aboriginal Heritage Impact Permit
- Invite construction tenders and award contract
- Continue property acquisitions.

## Next major milestone

Award construction contract in late 2016.



The Northern Road and Mersey Road intersection



# The Northern Road Upgrade Stage 3

## Littlefields Road, Luddenham to Jamison Road, Penrith

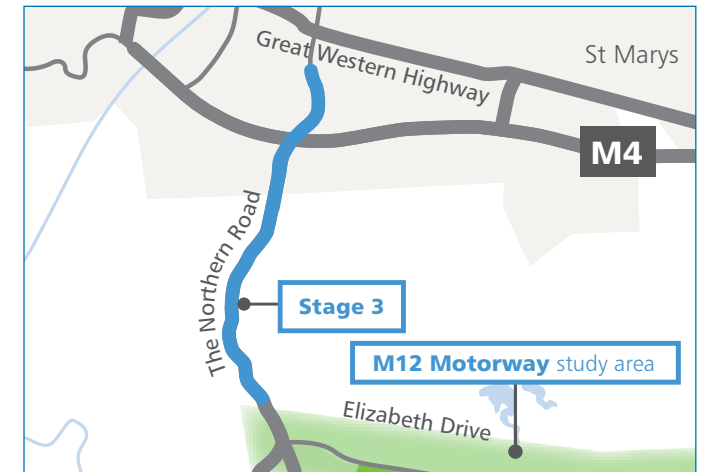
An Environmental Impact Statement is currently being prepared for The Northern Road Stage 3, with the construction tendering process scheduled to commence in early to mid-2016.

### Features

- 10km of road to be built
- 10km of shared pedestrian and cyclist path to be built
- Installing new traffic lights and turning lanes at some intersections
- Bus priority lanes in each direction to avoid interference with traffic flow
- 17 intersections to be built.

## Progress – July 2015 to December 2015

- Environmental Impact Statement studies commenced
- Consulted the community about the preliminary concept design and an access strategy
- Expression of Interest for the design and construction phase of The Northern Road Stage 3 north closed in December
- \$2.6 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$3.8 million
- Forecast expenditure for the 2015/16 financial year is \$6 million.



## Project snapshot

**Project value Stages 1 to 4:** \$1.6 billion

**Design consultant:** Roads and Maritime Services

**Expected start of construction:** Early-mid 2017

**Expected to be open to traffic:** Late 2019

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Next Steps

- Commence land acquisition discussions with property owners and continue land transfer discussion with Department of Defence
- Display Environmental Impact Statement for community consultation
- Submit request to transfer Commonwealth land to Department of Finance
- Tender for a contractor to design and construct the northern section of The Northern Road Upgrade Stage 3 between Jamison Road, Penrith and Glenmore Parkway, Glenmore Park
- Commence detailed design of the southern section of The Northern Road Upgrade Stage 3 between Glenmore Parkway, Glenmore Park and Littlefields Road, Luddenham.

## Next major milestone

Award construction contract for northern section of The Northern Road Upgrade Stage 3 in mid-2016.



The Northern Road, Glenmore Park



# The Northern Road Upgrade Stage 4

## Mersey Road, Bringelly to Elizabeth Drive, Luddenham

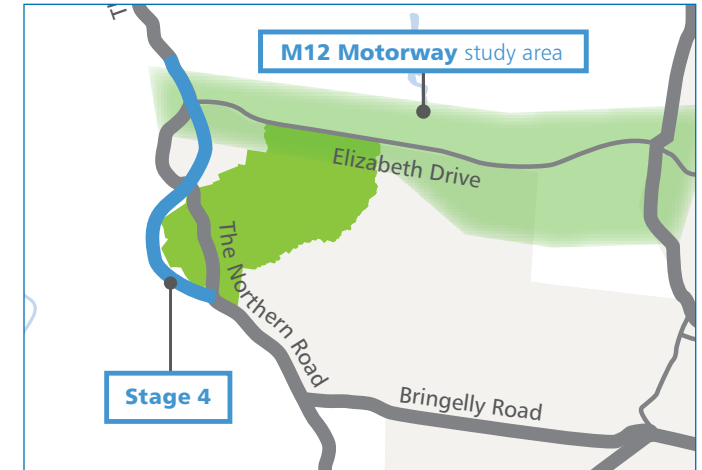
This important stage would divert The Northern Road around the western Sydney airport site at Badgerys Creek, west of the existing road. The route will bypass Luddenham to the east before re-joining the existing road alignment near Elizabeth Drive.

### Features

- About 11km of road to be built
- About 11km of shared pedestrian and cyclist path to be built
- About five intersections to be built
- Provide access for construction and operation of planned western Sydney airport at Badgerys Creek
- Bus priority lanes in each direction to avoid interference with traffic flow.

## Progress – July 2015 to December 2015

- Completed preliminary traffic modelling report
- Completed preliminary environmental and engineering investigations to inform route options assessment
- Community consultation on shortlisted route options
- Continued with development of Environmental Impact Statement
- Announced preferred route option for new road alignment in November
- \$1.6 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$2.4 million
- Forecast expenditure for the 2015/16 financial year is \$5 million.



## Project snapshot

**Project value Stages 1 to 4:** \$1.6 billion

**Design consultant:** Jacobs Pty Ltd

**Expected start of construction:** Late 2017

**Expected to be open to traffic:** Late 2019

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Next Steps

- Continue with specialist studies for environmental assessment
- Display preliminary concept design and access strategy
- Community information sessions scheduled for early 2016 and late 2016
- Commence negotiations with affected property owners
- Finalise concept design and commence detailed design.

## Next major milestone

Display preliminary concept design and access strategy in early 2016, and concept design and Environmental Impact Statement in late 2016.



The Northern Road and Elizabeth Drive intersection



## In planning

# M12 Motorway

## M7 Motorway, Cecil Hills to The Northern Road, Luddenham

The new \$1.25 billion M12 Motorway is proposed to connect the M7 Motorway near Cecil Hills to The Northern Road near Luddenham to provide access and traffic capacity for a western Sydney airport at Badgerys Creek.

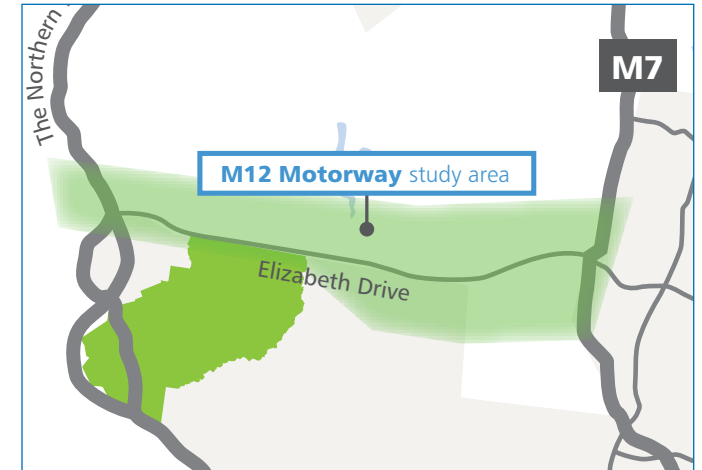
The M12 Motorway would be approximately 14km and built as a four lane road with capacity for six lanes in the future.

The preferred route alignment is expected to be generally parallel to Elizabeth Drive. Roads and Maritime will consult with the community at important stages during the project's development to ensure the best possible outcome.

## Features

- About 14km of road to be built
- About 14km of shared pedestrian and cyclist path to be built
- Provide direct access from the M7 Motorway to the western Sydney airport site and enhanced access to the Western Sydney Priority Growth Area
- Improve the connection between the M7 Motorway and the upgraded The Northern Road to benefit road users across western and south western Sydney
- Improve road freight movement to key commercial centres and reduce congestion costs to business and the community
- Grade separated interchanges at the M7 Motorway, the planned airport access and The Northern Road.

The project scope will be updated as the design progresses through the phases.



## Project snapshot

**Project value:** \$1.25 billion

**Design consultant:** Not appointed yet

**Expected start of construction:** 2020

**Expected to be open to traffic:** 2024

**Australian Government contribution:**  
80 per cent

**NSW Government contribution:** 20 per cent



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Progress – July 2015 to December 2015

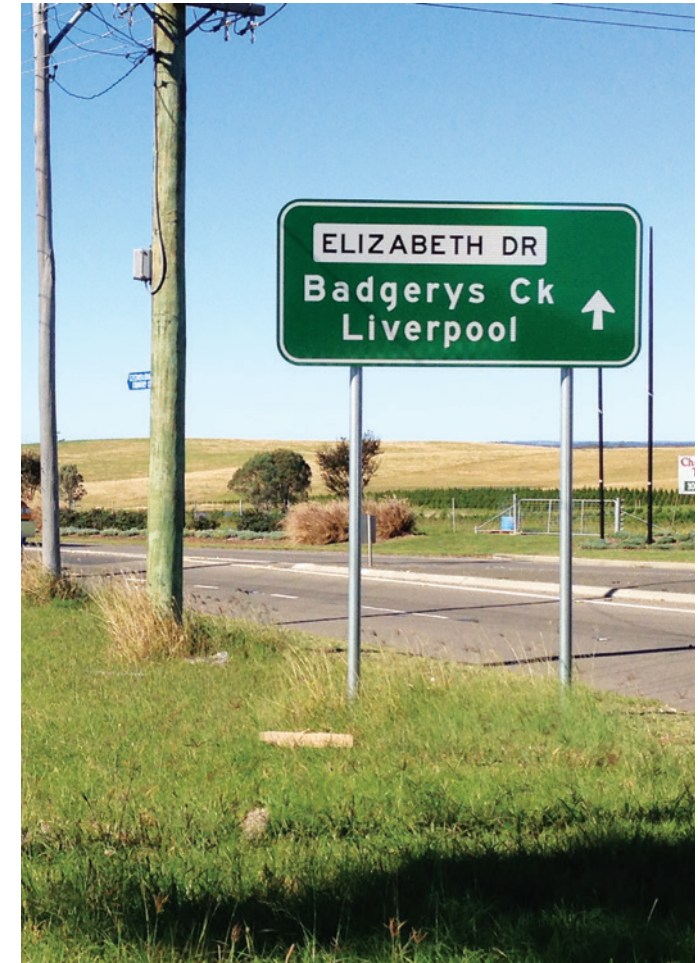
- Continued preliminary environmental investigation work
- Short listed route options identified in preparation for further field investigations and community consultation
- \$1.3 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$2 million
- Forecast expenditure for the 2015/16 financial year is \$6 million.

## Next Steps

- Community information sessions scheduled for early 2016 to display shortlisted route options
- Commence preliminary field investigations to inform preferred corridor
- Announce preferred route option late 2016
- Commence concept design
- Commence development of the environmental assessment.

## Next major milestone

Display route options in early 2016 and announce preferred option in late 2016.



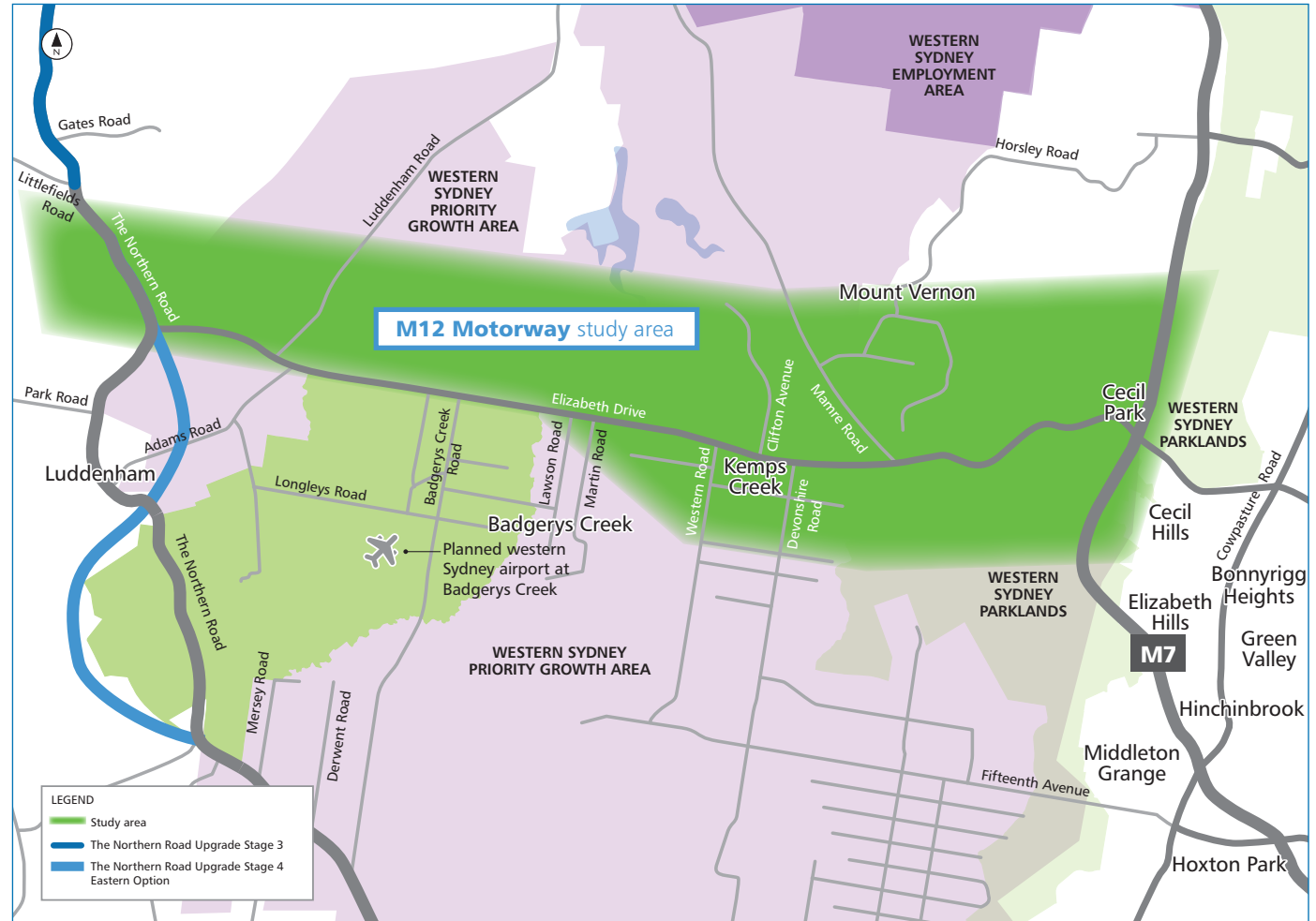
Elizabeth Drive looking east



## Study area

This map shows the study area for the proposed M12 Motorway. We are carrying out desktop studies and site investigations to develop route options within this area.

Eight shortlisted route options for the M12 Motorway were announced in February 2016. The shortlisted route options can be viewed at [www.rms.nsw.gov.au/wsip](http://www.rms.nsw.gov.au/wsip)



M12 Motorway study area



# The Northern Road and Bringelly Road Interchange

An upgrade for the intersection of The Northern Road and Bringelly Road was previously approved as part of The Northern Road Upgrade.

When the Australian Government announced that Badgerys Creek would be the site for a western Sydney airport in April 2014, it was also announced that a grade separated interchange would be needed at Bringelly to help manage increased future traffic in the area.

The preferred alignment option was presented to the community in July 2015 and the concept design and Review of Environmental Factors were placed on public display in December 2015.

## Features

- An interchange to separate vehicles on The Northern Road and Bringelly Road to allow for better traffic flow, with The Northern Road running under Bringelly Road
- Widening The Northern Road and Bringelly Road from two lanes to four lanes with a wide central median to allow for six lanes in the future
- Installing new on and off ramps between Bringelly Road and The Northern Road
- Dedicated turning lanes, and traffic lights with pedestrian crossings on Bringelly Road
- Changed access for some properties along The Northern Road, Bringelly Road and Robinson Road
- A shared path for pedestrians and cyclists.



The Northern Road, Bringelly Road and Greendale Road intersection



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

## Progress – July 2015 to December 2015

- Continued with environmental investigations
- Review of Environmental Factors finalised and displayed for public comment in November and December
- Two community information sessions held in December during display of Review of Environmental Factors
- Identified and developed a preferred option, including an access strategy for local roads and properties
- \$1.7 million was spent in the first six months of the 2015/16 financial year
- Total expenditure as of 31 December 2015 is \$2 million
- Forecast expenditure for the 2015/16 financial year is \$2.4 million.

## Next Steps

- Submissions report to be published in early 2016, following the display of the Review of Environmental Factors and concept design
- Project approval to be determined
- Complete detail design
- Call Expressions of Interest for construction tender
- Award construction contract.

## Next major milestone

Review of Environmental Factors determination and project approval in April 2016.



Artist impression of the proposed grade separated interchange (underpass) at The Northern Road and Bringelly Road



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

# Ross Street and the Great Western Highway Intersection Upgrade



**In planning**

In March 2015, the Australian and NSW governments announced \$5 million in funding as part of the Western Sydney Infrastructure Plan to upgrade the intersection of Ross Street and the Great Western Highway, Glenbrook.

Blue Mountains Council carried out community consultation in December 2015. During this time a community information session was held and community members were invited to make submissions or provide feedback on the proposed upgrade.

There were 111 submissions and one petition from the community, responding to the options on display. This feedback is currently being reviewed and will help determine the best outcome for the Glenbrook Intersection Upgrade.



Great Western Highway and Ross Street intersection

# Local Roads Package

The Australian Government has funded a \$200 million Local Roads Package as part of the Western Sydney Infrastructure Plan. This will allow local councils to deliver targeted road improvement projects to enhance local transport connections in western Sydney. Funding will be announced progressively over five rounds.

\$32.5 million was allocated to local councils as part of the first round of announcements in 2014. All projects funded from this round are expected to be completed by August 2016.

## Round One Projects

### The Northern Road and Erskine Park Road Study

Penrith City Council was granted \$1.1 million for a traffic, safety and scoping study to identify issues and options to upgrade a number of intersections on The Northern Road. These are between the M4 Motorway and the Great Western Highway, South Penrith and on Erskine Park Road between the M4 Motorway and Mamre Road, Erskine Park.

Council awarded contracts to Jacobs Group Australia Pty Ltd to carry out traffic modelling studies on The Northern Road and to SMEC Australia Pty Ltd to undertake traffic modelling on Erskine Park Road.

The studies are now complete and will inform Penrith City Council's second round of submissions seeking construction funding.

### Cumberland Highway Intersection Upgrades

Fairfield City Council was granted up to \$5.8 million across two years to upgrade the intersections of:

- Cumberland Highway and Hamilton Road
- Cumberland Highway and St Johns Road
- Cumberland Highway and John Street.

The upgrades include local road widening, increased capacity of turning bays and the re-phasing of traffic lights.

Widening of the John Street approaches to Cumberland Highway is complete. Traffic light upgrades and relocations are nearly complete and pavement work on the Cumberland Highway is scheduled to commence in late January 2016. Utility and service adjustments and relocations have been completed at the Hamilton Road and St Johns Road intersections, enabling road upgrade work to commence in late January 2016.

# Local Roads Package

## Wetherill Street Upgrade

Fairfield City Council was granted up to \$8.2 million across two years to upgrade Wetherill Street, Wetherill Park between Polding Street and Victoria Street.

The upgrade includes widening Wetherill Street from two lanes to four lanes, straightening the road and providing new traffic lights at the intersection of Wetherill Street and The Horsley Drive.

In July 2015 Abergeldie Contractors was awarded the contract to deliver upgrades to the Cumberland Highway and Wetherill Street projects. The upgrade to Wetherill Street between Victoria Street and The Horsley Drive was completed in December 2015. Construction of new traffic lights at the intersection of Wetherill Street and The Horsley Drive is scheduled to be completed in March 2016.



Installing drainage along The Horsley Drive, Wetherill Park

## Eagle Vale Drive Upgrade

Campbelltown City Council was granted up to \$17.5 million across two years to upgrade Eagle Vale Drive, between Badgally Road and Raby Road. The upgrade includes widening to a four lane divided road, and new traffic lights at the Epping Forrest Drive intersection and the Badgally Road intersection. Road upgrades and a new shared path on the western side of the road corridor were completed in November 2015. Upgrades to the existing pavement on the eastern side of the road corridor are scheduled to start in late January 2016.

Campbelltown City Council has engaged Cleary Bros (Bombo) Pty Ltd as the principal contractor to deliver this upgrade.



New pavement and shared path at Eagle Vale Drive

## Argyle Street/Camden Valley Way Corridor Upgrade – Stage 1

Camden Council was granted up to \$2.14 million across two years to build new traffic lights at the intersection of Argyle Street and Oxley Street, Camden and new pedestrian lights in Argyle Street west of Hill Street. Work on the Oxley Street traffic lights was completed in December 2015 and work on the pedestrian lights is scheduled to start in February 2016.

## Argyle Street/Camden Valley Way Upgrade study – Stage 2

Camden Council was granted \$150,000 for a study to identify future road improvement opportunities along Camden Valley Way between the Camden Town Centre and The Northern Road. The study was completed in September 2015 and Camden Council has used the findings of the study to develop their submission for the second round of the Local Roads Package funding allocation.

# Local Roads Package

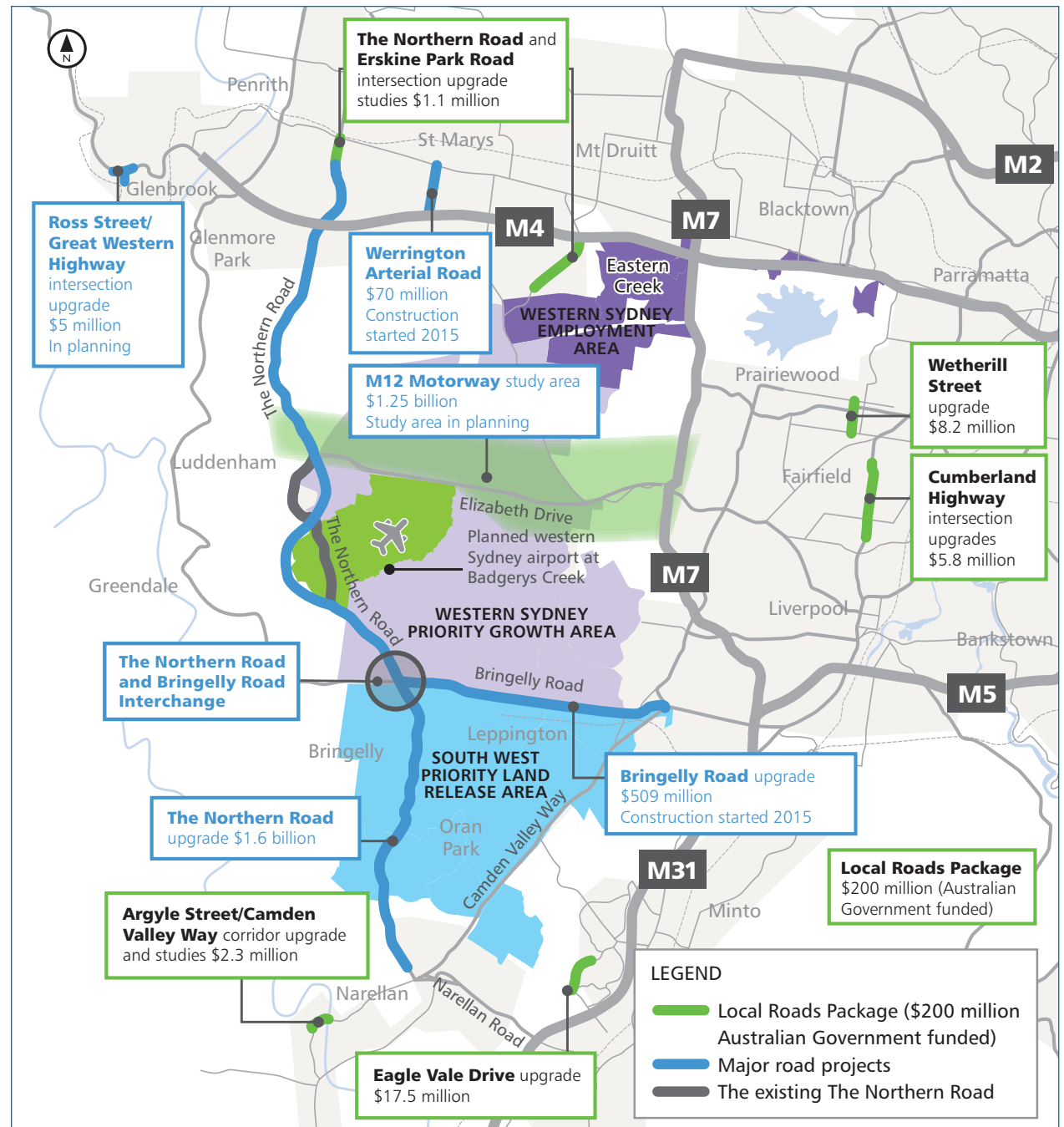
## Argyle Street/Camden Valley Way/Macarthur Road Intersection Study

Camden Council was granted \$50,000 to test options and complete a detailed design to improve safety and efficiency at this intersection. This work was completed in July 2015 and Camden Council has submitted a proposal seeking construction funding for the intersection upgrade, to be considered in the second round of the Local Roads Package funding allocation.

## Round Two Projects

The Australian Government invited councils to submit proposals for the second round of the Local Roads Package in July 2015.

Assessment of the submissions was completed in October 2015, with successful applicants announced in early 2016.





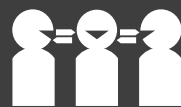
Looking south along The Northern Road, Narellan

For further information about the Western Sydney Infrastructure Plan visit the interactive digital portal

 [rms.nsw.gov.au/WSIP](https://rms.nsw.gov.au/WSIP)

 [wsip@rms.nsw.gov.au](mailto:wsip@rms.nsw.gov.au)

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