



Australian Government

BUILDING OUR FUTURE



MAKING IT HAPPEN

Western Sydney Infrastructure Plan 2014/15 Report Card



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Front cover: Drainage work at the M4 Motorway on ramp from Werrington Arterial Road

Message from the Ministers

Welcome to the 2014/15 Annual Report Card for the Western Sydney Infrastructure Plan – a 10 year, \$3.6 billion major road infrastructure program jointly funded by the Australian and NSW governments.

Roads and Maritime Services is delivering a package of road projects to support integrated transport for the western Sydney region and capitalise on the economic benefits of a western Sydney airport at Badgerys Creek.

Substantial work has taken place on these road projects since our first six-monthly Report Card in March, including four major projects reaching key milestones in their development, building progressing on two projects and a further major project being tendered for construction.

The Western Sydney Infrastructure Plan will improve road capacity ahead of future traffic demand and be a catalyst for significant employment and residential development in the region. The Australian and NSW governments are improving the road network before a western Sydney airport opens in the mid-2020s, creating thousands of direct and indirect jobs.

Western Sydney is expected to experience record growth with around one million extra people living in the region by 2031. To support development of the South West Priority Growth Area and South West Priority Land Release Area, it is vital to ensure the road infrastructure supports transport connections, moves freight, eases congestion, provides more reliable travel times and improves safety.

The Plan will upgrade major corridors including The Northern Road, Bringelly Road (building started), and existing roads between the Great Western Highway and the M4 Motorway to form the Werrington Arterial Road (building started). It will also deliver a new \$1.2 billion M12 Motorway between the M7 Motorway and The Northern Road, providing direct access to the western Sydney airport site.

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. They will also provide shared off road paths for cyclists and pedestrians and improve bus priority with dedicated bus lanes.

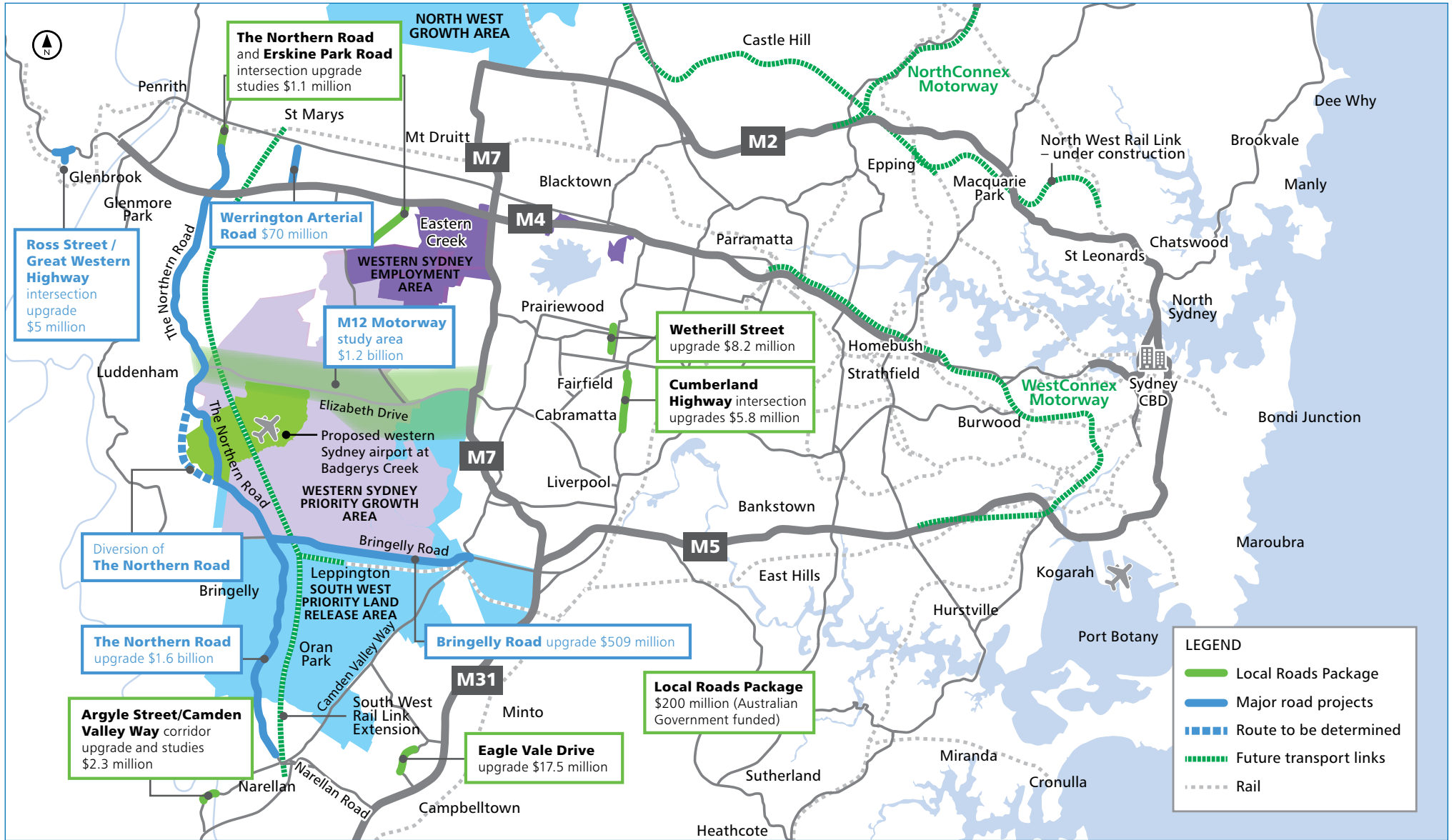
Included in the Plan is a \$200 million Local Roads Package, funded by the Australian Government, to help western Sydney councils improve road connections that support Western Sydney Infrastructure Plan objectives.



**The Hon
Paul Fletcher MP**
Minister for Major Projects



**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

As western Sydney faces unprecedented growth and investment the Western Sydney Infrastructure Plan is helping to transform the region's development and how its people access jobs and recreation.

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

The new 2km **Werrington Arterial Road** is being built. This major upgrade of an existing road is forming 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 provide four lanes, with a six lane divided road from the western side of Eastwood Road to the eastern side of Upper Canal Bridge, 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 – detailed design has been completed.

The new **M12 Motorway**, a 14km motorway standard east-west link to the western Sydney airport site, 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-2020s.

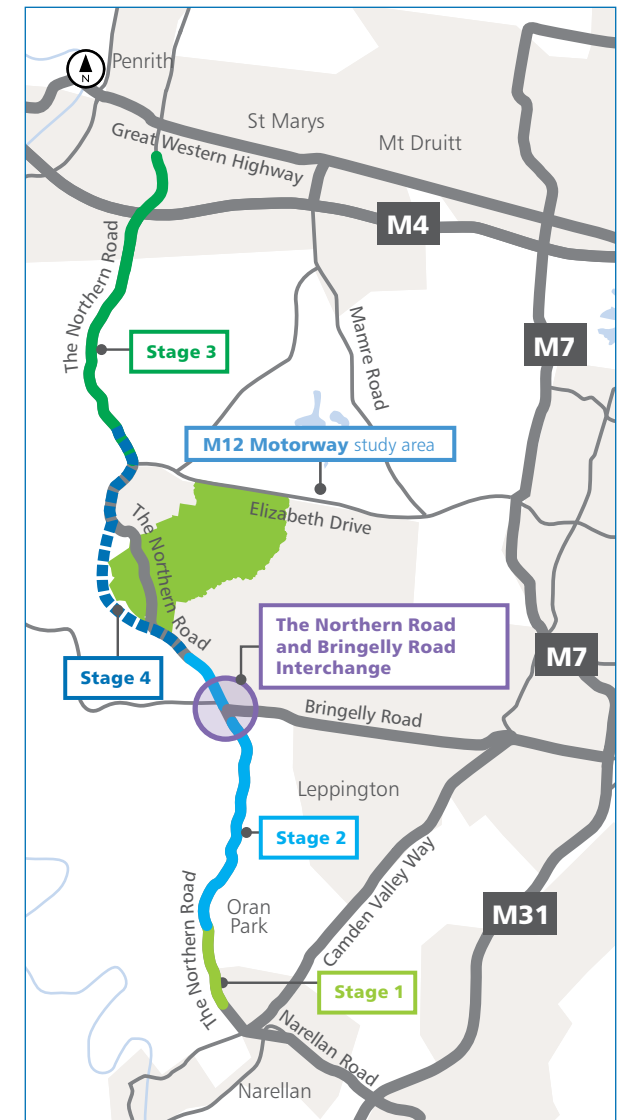
The Northern Road Upgrade stages are:

- 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 grade separated **The Northern Road and Bringelly Road Interchange** will also be delivered as part of the upgrades to The Northern Road and Bringelly Road.

The **Glenbrook Intersection Upgrade** will improve safety and manage congestion at the intersection of Ross Street and the Great Western Highway, Glenbrook.

The **Local Roads Package** will allow councils to deliver targeted road improvements and provide better transport connections.



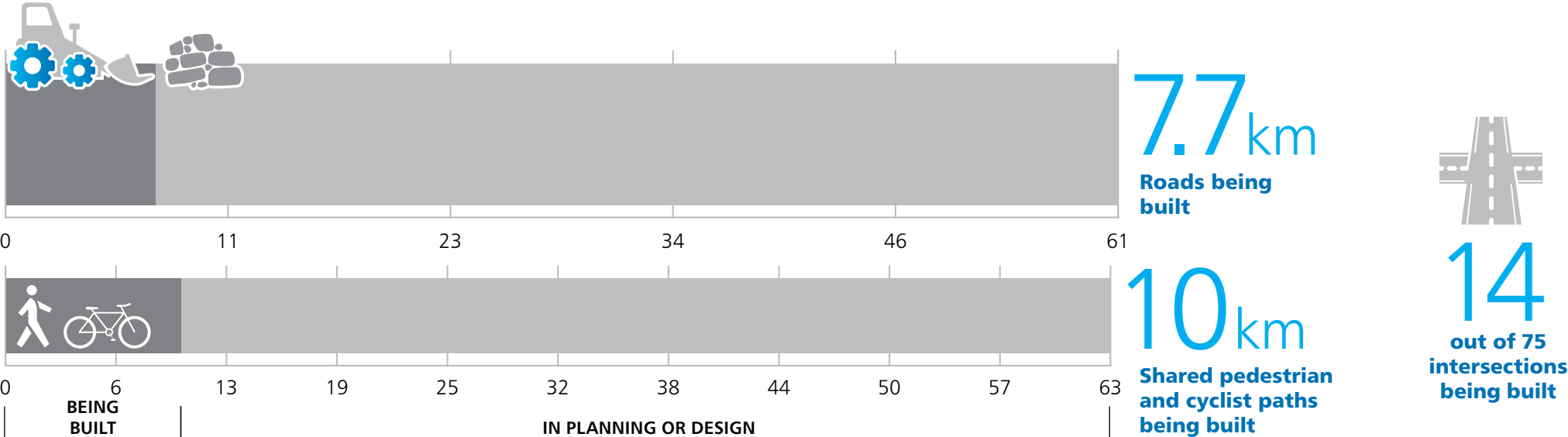
The Northern Road Upgrade stages

Progress so far and next steps

The Australian and NSW governments have made significant progress to deliver the Western Sydney Infrastructure Plan in the past 12 months.

Roads and Maritime started building the first 7.7km of the 61km of Western Sydney Infrastructure Plan roads from January 2015 on the Bringelly Road Upgrade Stage 1, and from March 2015 on the

Werrington Arterial Road. A further 3.3km has now been tendered for The Northern Road Stage 1 with building expected to start in early 2016.



Progress so far and next steps

Fourteen of the 75 Western Sydney Infrastructure Plan intersections are now being built.

Work also started on 10km of the planned 63km of shared pedestrian and cyclist paths between January and June 2015.

Expenditure

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

Expenditure on the Plan in the 2014/15 financial year was \$83 million (see fig. a). This is expected to increase rapidly in the 2015/16 financial year with \$208 million forecast to be spent as building on the Bringelly Road Upgrade Stage 1 and Werrington Arterial Road continues and building starts on The Northern Road Upgrade Stage 1 (see fig. b).

Peak expenditure for the 10 year program is forecast to be over \$500 million during the 2017/18 financial year when building for most of the projects will be underway (see fig. c).

Fig a. Actual Expenditure

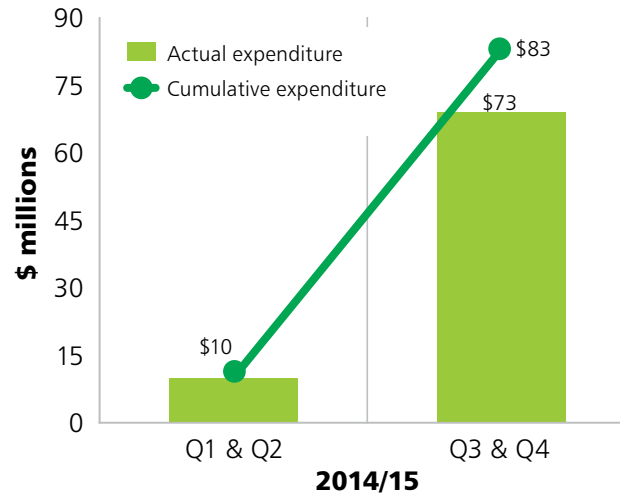


Fig b. Forecast Expenditure

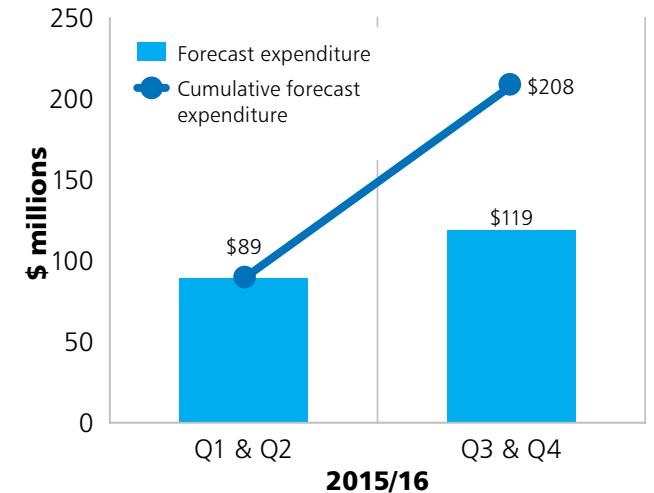
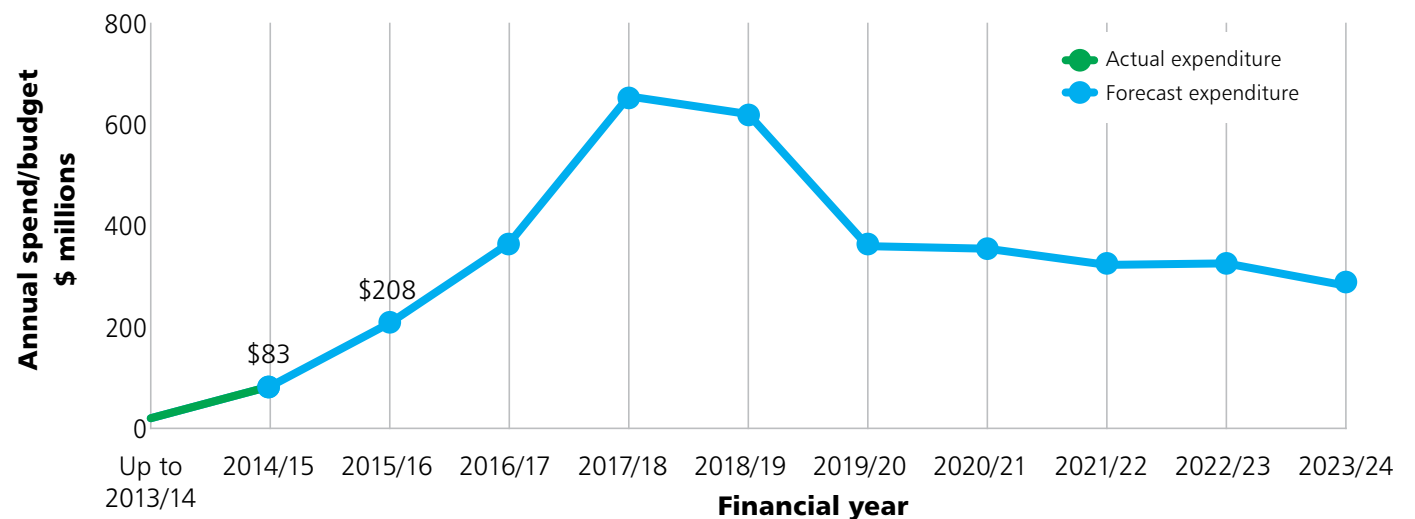
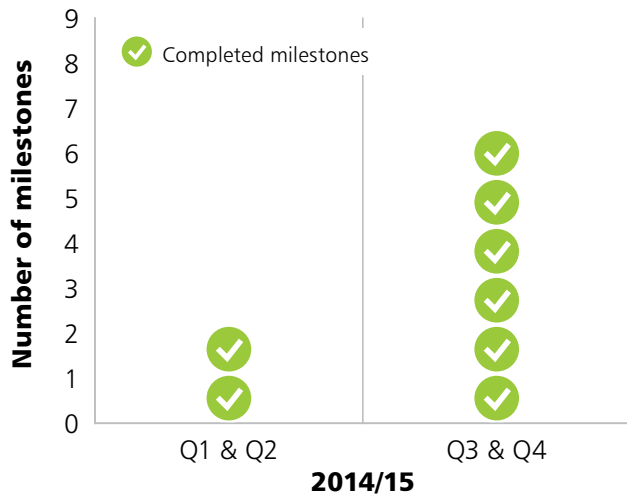


Fig c. WSIP Actual and forecast expenditure



Progress so far and next steps

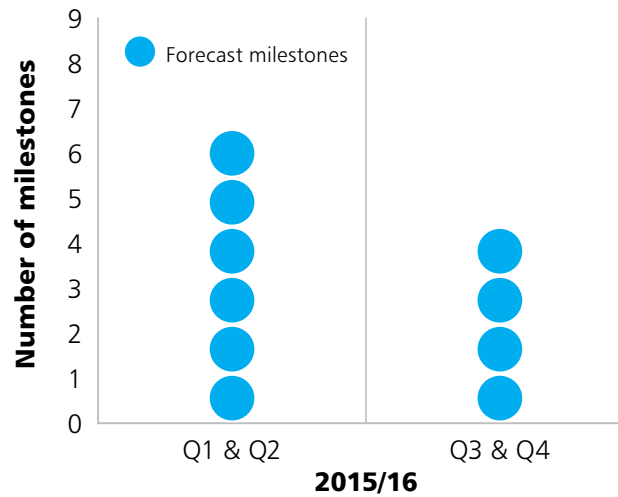
Fig d. Milestone performance 2014/15



Eight key milestones were completed on time in the 2014/15 financial year (see fig. d), these were:

- Submitting the final project approval for Werrington Arterial Road
- Submitting the final project approval for The Northern Road Upgrade Stage 2
- Finished detailed design for The Northern Road Upgrade Stage 1

Fig e. Milestone performance 2015/16



- Finished detailed design for Bringelly Road Upgrade Stage 2
- Awarding the construction contract for Werrington Arterial Road
- Awarding the construction contract for Bringelly Road Upgrade Stage 1
- Started building Bringelly Road Upgrade Stage 1
- Started building the Werrington Arterial Road.

Ten key milestones have been targeted for 2015/16 (see fig. e), these are:

- Submitting the final project approval for Bringelly Road Upgrade Stage 2
- Announcing the preferred option for The Northern Road Upgrade Stage 3
- Announcing the preferred option for The Northern Road Upgrade Stage 4
- Announcing the preferred option for The Northern Road and Bringelly Road Interchange
- Displaying the environmental assessment for The Northern Road and Bringelly Road Interchange
- Determining the environmental assessment for The Northern Road and Bringelly Road Interchange
- Finishing detailed design for The Northern Road and Bringelly Road Interchange
- Finishing detailed design for The Northern Road Upgrade Stage 2
- Awarding the construction contract for The Northern Road Upgrade Stage 1
- Start building The Northern Road Upgrade Stage 1.

Environment

During the past year, construction contractors on Bringelly Road Upgrade Stage 1 were acknowledged for impressive environmental protection performance after regular inspections. During this period environmental controls were established at our construction sites in accordance with management plans and regulations. The Roads and Maritime environment team held fortnightly inspections.



Roads and Maritime staff doing a safety inspection of a bridge at the Bringelly Road site

A State Significant Infrastructure application was submitted to the NSW Department of Planning and Environment in June 2015 for The Northern Road Upgrade Stages 3 and 4. The Secretary's Environmental Assessment Requirements were issued in July 2015, which established the criteria to be addressed in the Environmental Impact Statement.

The Review of Environmental Factors for The Northern Road and Bringelly Road Interchange is now being prepared. Geo-technical and ground investigation surveys, including contamination assessments, have also started. Extensive field surveys and community consultations are taking place to assess the potential impact on known aboriginal heritage from The Northern Road Upgrades.

An excavation on the Werrington Arterial Road construction site is being assessed for possible Aboriginal heritage impacts.

Work, Health and Safety

Over the past year Roads and Maritime has worked to minimise risk on its construction sites for workers, road users and the community.

Safety training material was developed for the Bringelly Road Upgrade Stage 1 project with inductions for all workers. Overhead and underground utilities awareness training, first aid training and daily work health and safety 'toolbox' meetings were also carried out.

Measures were introduced to reduce risks on Werrington Arterial Road for staff working near traffic, plant and utilities. Strategies included working with the Transport Management Centre, installing concrete barriers, using electronic message signs, reducing speed limits, identifying, marking and if necessary, relocating utilities.

"Safety in Design" workshops were also held for The Northern Road Upgrade Stage 2 and Bringelly Road Upgrade Stage 2 project teams. These are taking place in the early design process and include hazard identification and risk assessment methods, to introduce systems that will reduce or eliminate the risk of injury later in the project.

There were no safety impacts to the community or staff after strikes to some utility services.

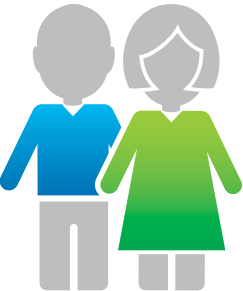
Progress so far and next steps

Employment

The Australian and NSW governments expect the Western Sydney Infrastructure Plan to create about 4,000 direct and indirect jobs during the 10 year lifetime of this program.

There were an average of 325 full time staff directly employed across the Plan from January to August 2015 including construction workers, road designers, consultants and Roads and Maritime staff responsible for the development and delivery of projects for the Plan.

The Western Sydney Infrastructure Plan is delivering more local job opportunities and giving people living in western Sydney the chance to work closer to home.



325

staff working on the Western Sydney Infrastructure Plan from January to August

Supporting Local Business

About \$18.2 million worth of contracts have so far been awarded to 65 western Sydney suppliers and contractors for the two projects in construction, Werrington Arterial Road and Bringelly Road Upgrade Stage 1.

Western Sydney suppliers have been awarded almost 70 per cent of the total \$7 million in contracts on the Werrington Arterial Road project. One in every two sub-contractors working on the project are from the region.

More than one third of the sub-contractors working on the Bringelly Road Upgrade Stage 1 site are from western Sydney.

\$18.2 million



worth of contracts to western Sydney businesses



Roads and Maritime staff at Bringelly Road Upgrade Stage 1

More jobs closer to home

More and more companies are benefiting from working on the Western Sydney Infrastructure Plan with local business, Premier Plant Hire, hiring extra staff to work on the Werrington Arterial Road project.

Company Director, Anthony Scarcella said he had already employed an extra 10 staff due to Werrington Arterial Road.

“Working on this project has given us the chance to recruit 10 new staff to our team,” he said.

“We are now employing 19 people in St Marys.”

Mr Scarcella said it was an extra bonus that staff could work near their homes because it means they have more time with their families.

“Our office is located in St Marys and the project is close to our office and where most of our staff live,” he said.

“It’s great that we’re part of delivering vital infrastructure for the local community. Our staff are residents of western Sydney who will benefit from the Werrington Arterial Road project.”

Premier Plant Hire is just one of many local businesses to benefit from Western Sydney Infrastructure Plan projects.



Premier Plant Hire Company Director Anthony Scarcella, with Jake Scarcella and Darren Watson

Progress so far and next steps

Consultation

Roads and Maritime Services is committed to inclusive and transparent consultation with the community and our stakeholders throughout each project to ensure the best possible outcomes.



Roads and Maritime showing the interactive digital portal

The community is encouraged to have its say at important milestones in each project's development including face-to-face meetings with project teams, community information sessions, information displays, the website, email and by phone. We aim to respond to all feedback from our stakeholders.

From 1 July 2014 there were 76,480 project update newsletters, letters and notifications distributed for Western Sydney Infrastructure Plan projects. Our project teams also met with local schools and childcare centres, businesses and residents throughout the project areas to discuss our plans and progress.

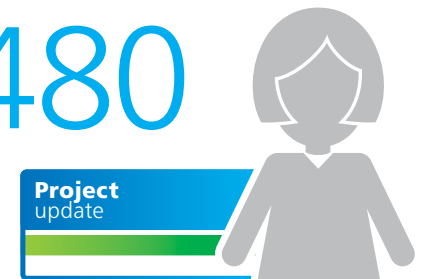
The Western Sydney Infrastructure Plan web pages received 11,510 visits from 1 July 2014 to 31 August 2015.

Throughout July and August 2015 Roads and Maritime consulted with the community to seek feedback and provide information on projects reaching key milestones in their development including:

- 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.

76,480

project update newsletters, letters & notifications sent from January 2015 to August 2015



Progress so far and next steps

More than 1,000 people attended six community information sessions throughout the five week consultation period and 296 feedback submissions were received.

Roads and Maritime also launched an interactive digital portal on the Western Sydney Infrastructure Plan website featuring project information, animated videos, maps and photo galleries. To explore the interactive digital portal visit rms.nsw.gov.au/wsip

More than 3,640 people visited the portal, playing the videos more than 6,946 times since its launch on 13 July 2015.



Roads and Maritime talking with residents about the M12 Motorway study area

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 10 kilometre 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

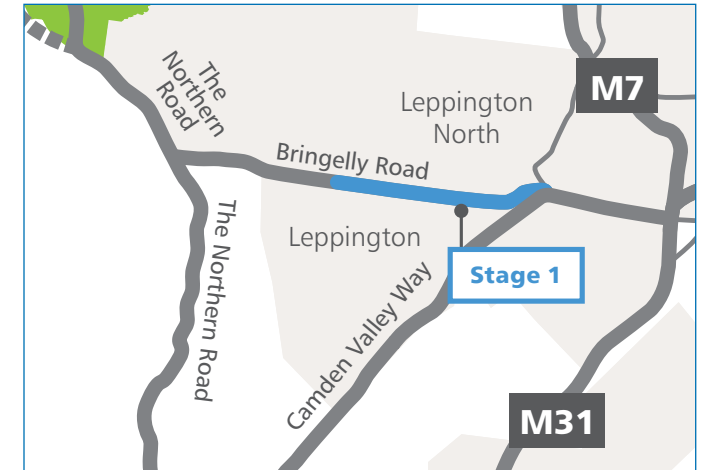
Stage 1 is 5.7km from Camden Valley Way, Leppington to King Street, Rossmore. The construction contract was awarded in December 2014 with building underway in January 2015.

Benefits

- Increased capacity for future growth and improved access to the new Leppington Railway Station and the M5 and M7 motorways
- Improved access to the western Sydney airport site at Badgerys Creek and the future South West Priority Growth Area
- Improved access and travel times for freight in Sydney's south-west
- 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.



Stage 1 project snapshot

Project value Stages 1 and 2: \$509 million

Construction contractor:
BMD Constructions Pty Ltd

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 2014 to August 2015

- \$58.9 million was spent in the 2014/15 financial year
- \$71 million has been spent over the life of the project so far to 30 June 2015
- Around \$70 million is expected to be spent on this project in the 2015/16 financial year
- There were 21 days lost to wet weather up to 30 August 2015
- 5.7km of roads currently being built
- 8km of shared pedestrian and cyclist path currently being built
- Site office established at Cowpasture Road, Leppington
- Started investigation and protection work for gas mains
- Procurement started for utility adjustments, demolition work, vegetation clearing and traffic control
- Pre-conditions surveys, field surveys, utility investigation and grass slashing began after approval of the Start of Work and Traffic Management plans
- Earthwork underway and utilities including gas and electricity were relocated
- Established environmental controls.

Next Steps

- Continue property adjustments and demolition work
- Award the landscaping contract and the electrical work contract
- Begin work on the new Upper Canal bridge
- Continue earthwork.

Next major milestone

Open to traffic in late 2017.



9 Intersections to be improved



Looking west at the Camden Valley Way and Bringelly Road intersection, Bringelly

Bringelly Road Upgrade Stage 2

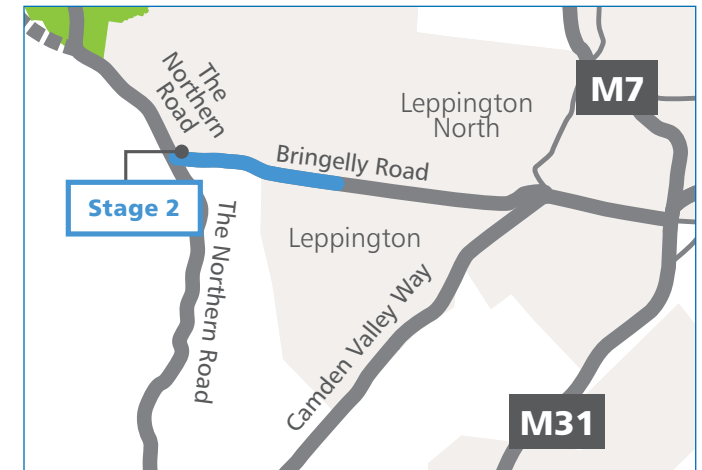
Stage 2 is 4.3km from King Street, Rossmore to The Northern Road, Bringelly. Detailed design is finished and building is expected to start in early 2017. The project is expected to be open to traffic by mid 2019.

Features

- 4.3km of road
- 4.2km of shared pedestrian and cyclist path
- Four new intersections with traffic lights and upgrades to three existing intersections
- A new bridge over South Creek.

Progress – July 2014 to August 2015

- \$3.6 million was spent in the 2014/15 financial year
- \$3.7 million has been spent over the life of the project so far to 30 June 2015
- Around \$25 million is expected to be spent on this project in the 2015/16 financial year
- Finished the detailed road design
- Utility relocation design was progressed
- Carried out land valuations and property adjustment plans.



Stage 2 project snapshot

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

Design contractor: URS Australia Pty Ltd

Expected start of construction: Early 2017

Expected to be open to traffic: Mid 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
- Finalise carpark for Rossmore Public School.

Next major milestone

Construction tenders will be issued once property has been acquired with the contract expected to be awarded in 2016.



7 Intersections
to be built



Bringelly Road, Bringelly



Being built

Werrington Arterial Road

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.

The new Werrington Arterial Road will feature a four lane divided road including two east facing ramps on and off the M4 Motorway, and a dedicated pedestrian and cyclist bridge.

The upgrade will improve safety for motorists, cyclists and pedestrians, increase capacity to meet future demands and provide improved network connections and more reliable travel times.

Benefits

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



The Kent Road bridge over the M4 Motorway, Claremont Meadows

Features

- Traffic lights on Kent Road for the new eastbound entry ramp to the M4 and at the westbound M4 exit ramp and three intersection upgrades with traffic lights
- A pedestrian and cyclist bridge over the M4 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 2014 to August 2015

- \$2.3 million was spent in the 2014/15 financial year
- \$8.4 million has been spent over the life of the project so far to 30 June 2015
- Around \$28 million is expected to be spent on this project in the 2015/16 financial year
- There were 17 days lost to wet weather up to 30 August 2015
- 2km of roads being built



Construction of the new soil nail wall, retaining wall and ramp to the M4 at the Werrington Arterial Road site

- 2km of shared pedestrian and cyclist paths being built
- The start of work was announced in March followed by site establishment
- Earthwork, surveying, preparatory work and utility relocations, including water, gas, electricity and telecommunications began
- Completed water quality basins.

Next Steps

- Continue earthwork near the M4 Motorway
- Continue utility relocations
- Finished a retaining wall to stabilise the landscape
- Starting earthwork on Gipps Street and Kent Road
- Starting bridge work, the noise wall and work.

Next major milestone

Open to traffic in 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.

The Northern Road Upgrade Stage 1

Stage 1 is 3.3km between Old Northern Road, Narellan and Peter Brock Drive, Oran Park.

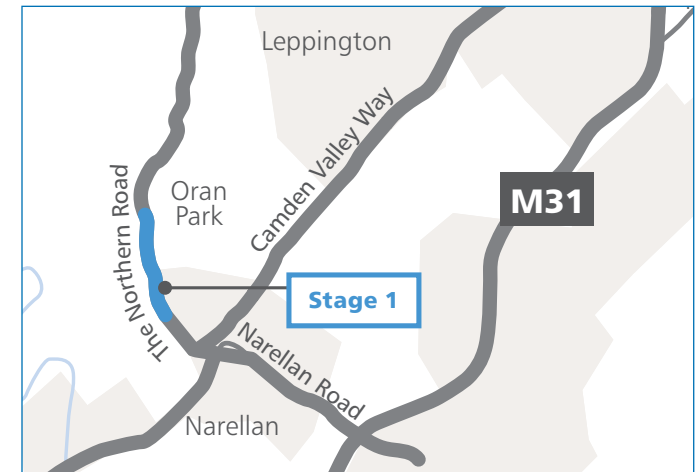
Detailed design is complete and tenders for construction were called in May 2015.

Features

It will have the safety, capacity and reliability improvements that are on all Western Sydney Infrastructure Plan roads and will also deliver access to future South West Priority Growth Area precincts along The Northern Road.

The Northern Road Upgrade Stage 1 will also have:

- 3.3km of upgraded road
- 3.3km of new shared pedestrian and cyclist path
- Four intersections to be built
- 80km/h speed limit
- Traffic light improvements at three intersections
- Duplication of the bridge over Narellan Creek.



Stage 1 project snapshot

Project value Stages 1 to 4: \$1.6 billion

Design consultant: GHD Pty Ltd

Expected start of construction: Early 2016

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

Progress – July 2014 to August 2015

- \$5.2 million was spent in the 2014/15 financial year
- \$6.6 million has been spent over the life of the project so far to 30 June 2015
- Around \$14 million is expected to be spent on this project in the 2015/16 financial year
- Electrical design plans were submitted for approval
- Relocation of water main design was approved
- Obtained Environment Protection Licence from the Environment Protection Authority
- Called construction tenders in May 2015
- Applied for Aboriginal Heritage Impact Permit.

Next Steps

- Award construction contract
- Seek approval for electrical design plan
- Continue property acquisition.

Next major milestone

Award construction contract and start building in early 2016.



The Northern Road at the Narellan Creek Bridge looking north

The Northern Road Upgrade Stage 2

Stage 2 is about 10km between Peter Brock Drive, Oran Park and Mersey Road, Bringelly. It currently does not include the proposed Bringelly Road and The Northern Road Interchange at Bringelly as this is being developed as a grade separated interchange to be delivered separately.

Features

- About 10km of upgraded road
- About 10km of new shared pedestrian and cyclist path
- 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 2014 to August 2015

- \$5.8 million was spent in the 2014/15 financial year
- Around \$25 million is expected to be spent on this project in the 2015/16 financial year
- Continued with detailed design
- Continued to do property valuations and communicate with owners
- Contaminated land was cleaned up at the Peter Brock Drive intersection.



Stage 2 project snapshot

Project value Stages 1 to 4: \$1.6 billion

Design contractor: GHD Pty Ltd

Expected start of construction: Mid 2016

Expected to be open to traffic: Mid 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
- Continue property acquisitions
- Complete detailed design
- Call for construction tenders in early 2016.

Next major milestone

Finish detailed design and award construction contract in mid-2016.



The Northern Road and Badgerys Creek intersection looking south



The Northern Road and Badgerys Creek Road intersection will be upgraded to include signalised traffic lights

The Northern Road Upgrade Stage 3

Stage 3 is about 10km between Littlefields Road, Luddenham and Jamison Road, Penrith and is planned to generally follow the existing road alignment.

Features

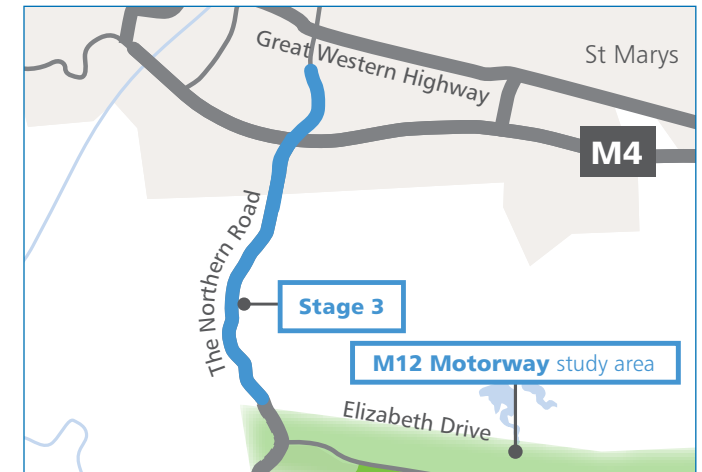
It will have the safety, capacity and reliability improvements that are on all Western Sydney Infrastructure Plan roads and will also deliver access to the Western Sydney Employment Area.

The Northern Road Upgrade Stage 3 will have:

- 10km of upgraded road
- 10km of new shared pedestrian and cyclist path
- 17 intersections to be built
- Continuous bus lanes in each direction
- New traffic lights and turning lanes at some intersections.

Progress – July 2014 to August 2015

- \$1.2 million was spent in the 2014/15 financial year
- Around \$5.5 million is expected to be spent on this project in the 2015/16 financial year



Stage 3 project snapshot

Project value Stages 1 to 4: \$1.6 billion

Design consultant: Not appointed yet

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

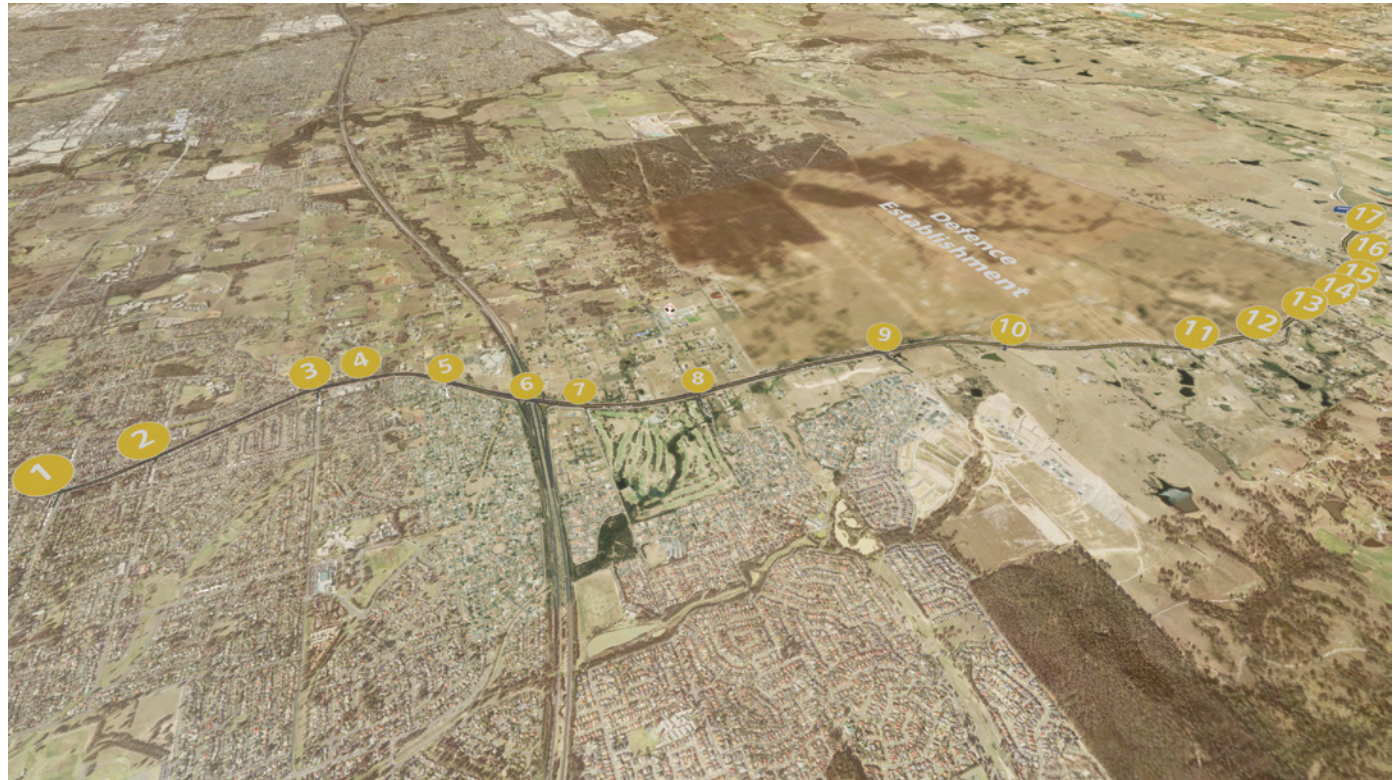
- Preliminary environmental investigation work is finished
- Developed strategic design options
- Confirmed the preferred design option and prepared an access strategy for local roads and properties
- Consulted with the community about the access strategy and preliminary design, see the interactive digital portal at rms.nsw.gov.au/wsip to learn about the project
- State Significant Infrastructure application lodged with Department of Planning and Environment, triggering the environmental assessment process
- Finished survey work.

Next Steps

- Preparation of Environmental Impact Statement, including specialist investigations
- Investigate options to widen the road corridor.

Next major milestone

Display environmental assessment.



The Northern Road Upgrade Stage 3 between Littlefields Road, Luddenham and Jamison Road, Penrith will have 17 intersections built

The Northern Road Upgrade Stage 4

Stage 4 is about 11km between Mersey Road, Bringelly and Littlefields Road, Luddenham. This important stage will divert The Northern Road around the western Sydney airport site at Badgerys Creek, west of the existing road.

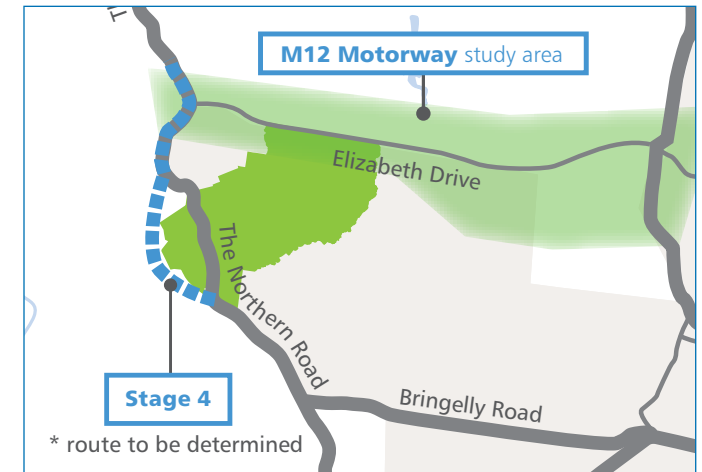
Features

- About 11km of new and upgraded road
- Around 11km of new shared pedestrian and cyclist path
- About 10 intersections to be built, depending on the route selected
- Provides access for construction and operation of a western Sydney airport at Badgerys Creek

- Improve access to the Western Sydney Employment Area and growth area developments.

Progress – July 2014 to August 2015

- \$0.8 million was spent in the 2014/15 financial year
- Around \$5 million is expected to be spent on this project in the 2015/16 financial year
- Preliminary environmental investigation work finished
- Route options developed and shortlisted (see image page 28)
- State Significant Infrastructure application lodged with Department of Planning and Environment, triggering the environmental assessment process
- Consulted with the community on the four shortlisted route options.



Stage 4 project snapshot

Project value Stages 1 to 4: \$1.6 billion

Design consultant: Not appointed yet

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



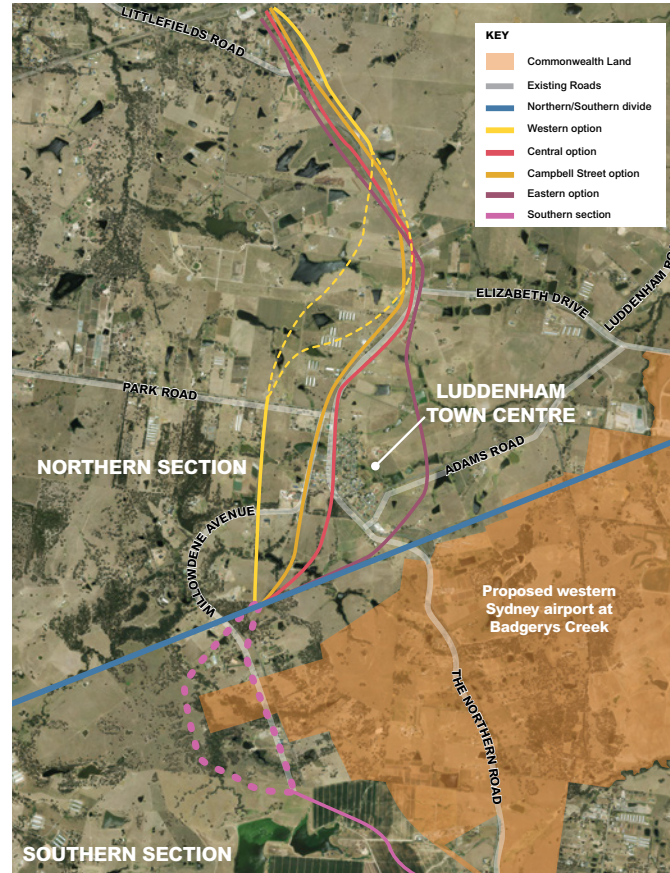
Open to traffic

Next Steps

- Select preferred route alignment
- Prepare and publish a consultation report responding to all stakeholder feedback
- Preparation of Environmental Impact Statement, including specialist investigations.

Next major milestone

- Announce preferred route option in late 2015
- Display Preliminary Design and Access Strategy in early 2016.



The Northern Road Upgrade Stage 4 shortlisted route options



Looking south at The Northern Road near Luddenham

M12 Motorway

A new \$1.2 billion motorway is proposed to connect the M7 Motorway near Cecil Hills to The Northern Road near Luddenham. This would provide access and greater traffic capacity for a western Sydney airport at Badgerys Creek.

The 14km motorway would be built for up to six lanes with a wide central median. It is expected to be generally parallel to Elizabeth Drive.

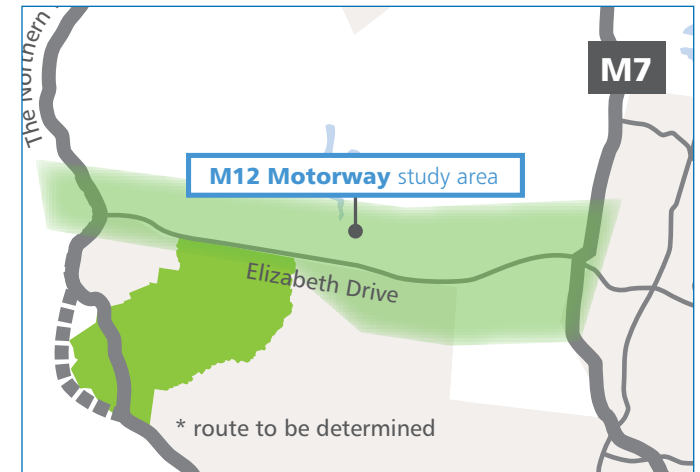
Roads and Maritime has now identified a study area for the proposed M12 and has sought community feedback (see page over).

Features

- 14km of new road
- 14km of new shared pedestrian and cyclist path
- Three major interchanges to be built

- Provide direct access from the M7 to the western Sydney airport site and improved access to the South West Priority Growth Area and Western Sydney Employment Area
- Improve the connection between the M7 and 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, the proposed airport access and at The Northern Road.

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



Project snapshot

Project value: \$1.2 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 2014 to August 2015

- \$0.7 million was spent in the 2014/15 financial year
- Around \$4 million is expected to be spent on this project in the 2015/16 financial year
- Carried out preliminary environmental investigation work
- Determined study area for potential route options
- Consulted with the community to seek feedback on the study area.

Next Steps

- Prepare and publish a consultation report responding to all stakeholder feedback
- Develop route options for community feedback in early 2016.

Next major milestone

Display route options in early 2016.



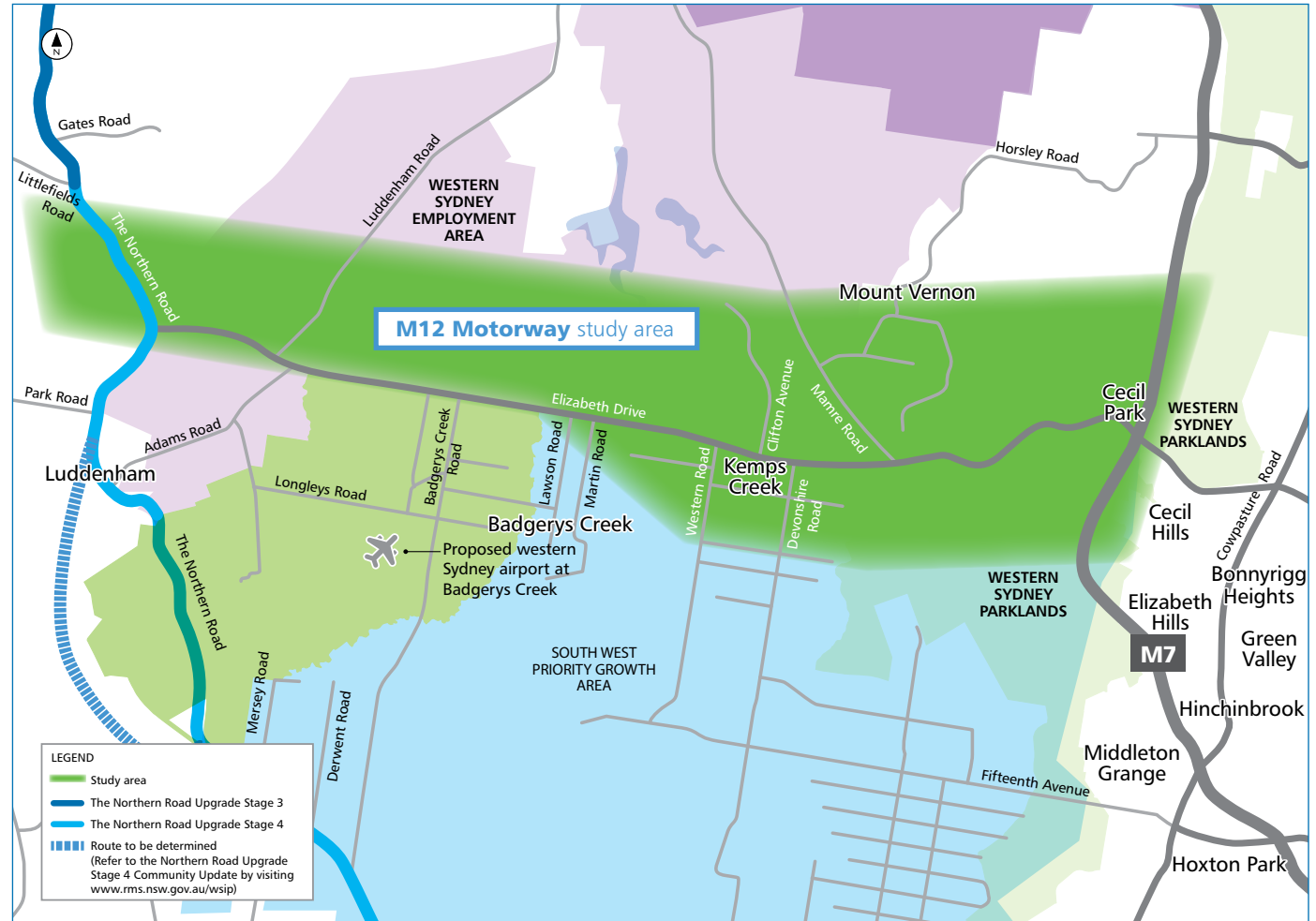
Proposed M12 Motorway study area looking east from Luddenham Road

Study area

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

Environmental and social constraints will be considered when looking at possible routes. However, it is expected that the route would generally be parallel to Elizabeth Drive so it provides easy access to the proposed airport site.

Where practical, Elizabeth Drive would remain and continue to provide local access for road users.



M12 Motorway study area

The Northern Road and Bringelly Road Interchange

An upgrade for this intersection was previously approved as part of The Northern Road Upgrade Stage 2.

A grade separated interchange is now proposed at the intersection of The Northern Road and Bringelly Road.

The \$3.6 billion funding for the Western Sydney Infrastructure Plan has allowed the interchange to be built years earlier than expected.

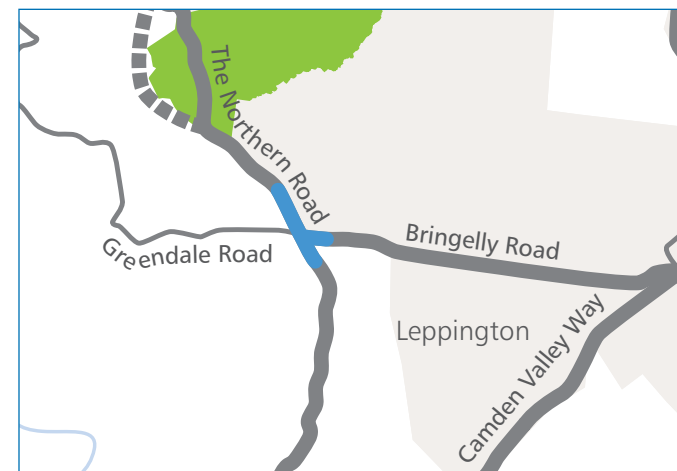
This ensures it is in place to cater for future traffic from more than 300,000 people moving into the South West Priority Growth Area, the proposed airport and around 57,000 jobs in the Western Sydney Employment Area when fully developed.

Features

- 1km of shared pedestrian and cyclist path to be built
- Two intersections to be built.

Progress – July 2014 to August 2015

- \$0.3 million was spent in the 2014/15 financial year
- Around \$1 million is expected to be spent on this project in the 2015/16 financial year
- Started preliminary environmental investigations



Looking north at the intersection of The Northern Road, Bringelly Road, and Greendale Road



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

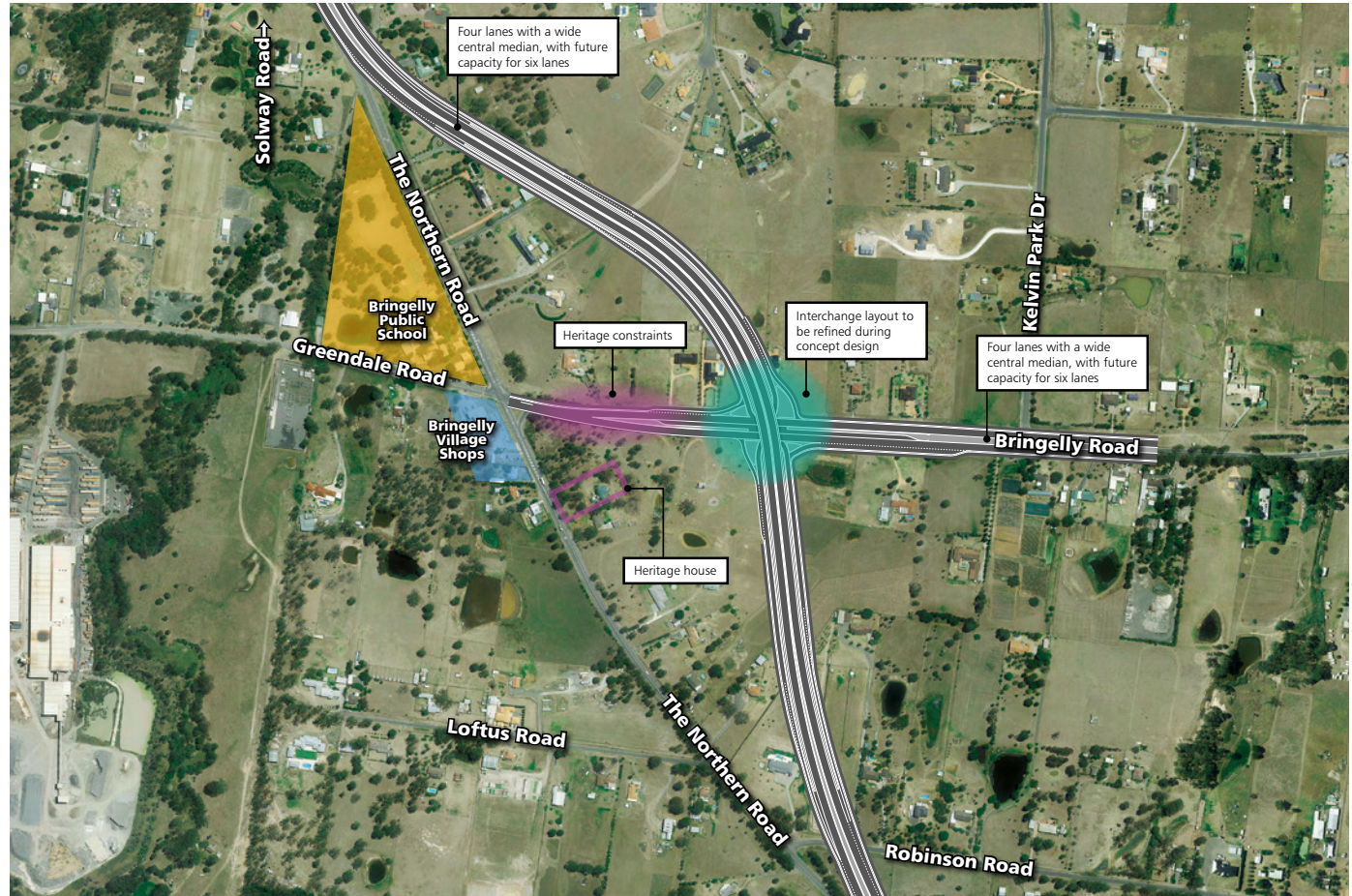
- Identified and developed possible alignment options
- Identified a preferred alignment option
- Consulted with the community to seek feedback on the preferred alignment option.

Next Steps

- Complete an environmental assessment and concept design
- Display Review of Environmental Factors and Concept Design in late 2015
- Project approval is expected early 2016.

Next major milestone

Display Review of Environmental Factors and concept design late 2015.



The preferred alignment for The Northern Road and Bringelly Road Interchange displayed in July 2015. This is indicative and may change as the design process continues



Scoping and investigation



Announce preferred option



Display environmental assessment



Project approval



Detailed design



Award contract



Building started



Open to traffic

Glenbrook Intersection Upgrade

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

The project will improve safety and access to and from Glenbrook. Traffic lights are being considered for this intersection.

Preliminary discussions are underway with Blue Mountains City Council to assist Roads and Maritime develop options for the upgrade. We will consult with the community and seek feedback at key stages of the project.

Progress – July 2014 to August 2015

- Preliminary discussions with Blue Mountains City Council to assist Roads and Maritime develop the project
- Developed a number of draft options for improvements and upgrades.

Next Steps

- Consult with the community to seek feedback on the options
- Select the preferred option
- Finish design and Review of Environmental Factors
- Invite tenders for construction and appoint a contractor.

Next Major Milestone

Select preferred option.



Looking west at the Great Western Highway and Ross Street Intersection

Local Roads Package

The Australian Government has fully 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 provide local transport connections in western Sydney. The funding will be announced in five rounds.

The Australian Government has committed \$34.9 million to seven projects under round one of the funding. \$4 million was spent on these projects in the 2014/15 financial year.

The second round of the Local Roads Package opened on 6 July 2015 with successful projects to be announced in late 2015.

Round one projects

The Northern Road and Erskine Park Road intersection upgrade studies

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 and the Great Western Highway, South Penrith and on Erskine Park Road between the M4 and Mamre Road, Erskine Park.

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

Cumberland Highway intersection upgrades

Fairfield City Council was granted \$5.8 million over 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.

Work started on Monday 24th September 2015.



Intersection at Hamilton Road and Cumberland Highway, Fairfield West

Local Roads Package

Wetherill Street upgrade

Fairfield City Council was also granted \$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.

The project will increase road safety and capacity on Wetherill Street to manage expected future traffic volumes.

Building started on Monday 17 August 2015.

Eagle Vale Drive upgrade

Campbelltown City Council was granted \$17.5 million over two years to upgrade Eagle Vale Drive, between Badgally Road and Raby Road. The upgrade includes widening to a four lane divided road.

Other elements include:

- New kerb and gutter and central median
- A shared pedestrian and cyclist path connecting regional routes

- New traffic lights and street lighting
- New storm water drainage with water quality improvement.

Campbelltown City Council awarded the construction contract to Cleary Bros and work started on 15 September 2015.

Argyle Street/Camden Valley Way Corridor Upgrade – Stage 1

Camden Council was granted \$2.14 million across two years to build new traffic lights at the intersection of Argyle Street and Oxley Street, Camden. The project will also replace the marked pedestrian crossing with a traffic light pedestrian crossing on Argyle Street west of Hill Street, Camden. A construction contract was awarded to Hargraves Urban Pty Ltd and work started on 15 August 2015.



Intersection at Coonawarra Drive and Erskine Park Road, Penrith

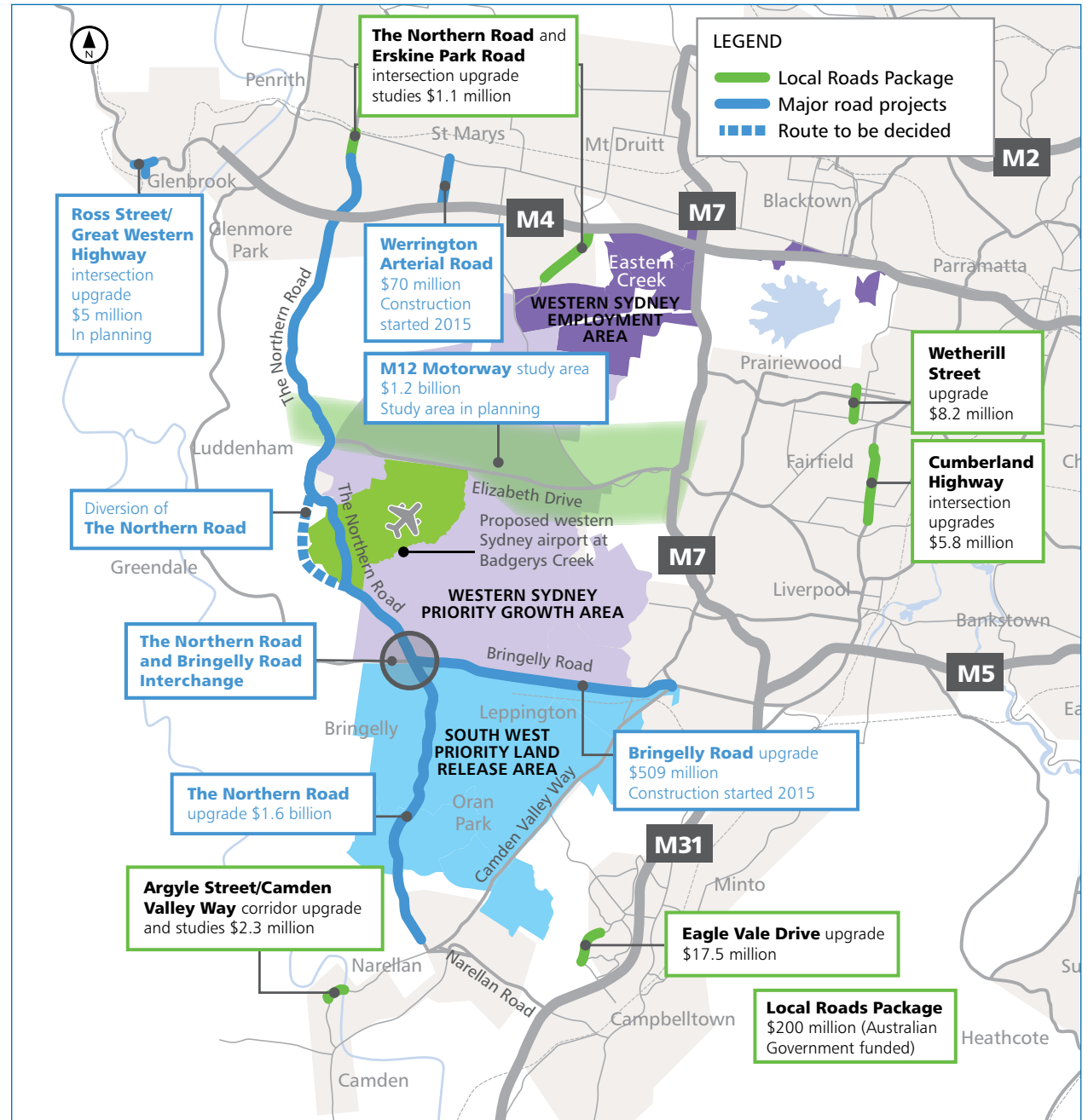
Local Roads Package

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. Drafting of a route strategy has begun.

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. GTA Consultants have now finished design and testing. A contract has been awarded to J Wyndham Prince for detailed design.





Looking east at the Camden Valley Way and Bringelly Road intersection, Bringelly

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

 rms.nsw.gov.au/WSIP

 wsip@rms.nsw.gov.au

 Roads and Maritime Services
PO Box 973
Parramatta NSW 2124



This document contains important information about road projects in your area. If you require the services of an interpreter, please contact the Translating and Interpreting Service on 131 450 and ask them to call the project team on 1300 703 457. The interpreter will then assist you with translation.