Intersection upgrades on Wyong Road
Enterprise Drive, Mingara Drive and Tumbi Road

Roads and Maritime Services is planning upgrades for three intersections along Wyong Road at Enterprise Drive, Mingara Drive and Tumbi Road. The three existing roundabouts will be replaced with traffic lights to improve traffic flow and safety, while catering for future traffic growth.

This community update provides information on the final intersection designs and changes made since the 2013 public display.

Background

Wyong Road is the major road linking the M1 Pacific Motorway with Wyong, Tuggerah, The Entrance and the surrounding coastal suburbs. The roundabouts at Enterprise Drive, Mingara Drive and Tumbi Road are heavily congested during peak hours. The NSW Government provided $7 million in 2014-15 to upgrade the intersections.

In August 2013 the community was invited to comment on the proposal to replace the three roundabouts with traffic lights. Roads and Maritime has considered the feedback received and carried out further investigations to finalise the intersection designs.

Roads and Maritime is also in the final stages of planning an upgrade at the Wyong Road and Pacific Highway intersection at Tuggerah, which involves replacing the roundabout with traffic lights. This upgrade will complement the intersection upgrades at Enterprise Drive, Mingara Drive and Tumbi Road. Further details about this project are available at rms.nsw.gov.au.
Features

The proposed upgrades involve converting all three intersections on Wyong Road to traffic lights with pedestrian facilities.

There have been several changes made to the designs for the intersections since the 2013 public display to improve access to the connecting local roads while maximising traffic flow along Wyong Road. The changes consider community feedback received and results of further investigations.

<table>
<thead>
<tr>
<th>Enterprise Drive intersection</th>
<th>Mingara Drive intersection</th>
<th>Tumbi Road intersection</th>
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<tbody>
<tr>
<td>• Provision of bus jump lanes at the traffic lights for both directions on Wyong Road to assist public transport</td>
<td>• Three lanes (westbound) on Wyong Road, with a left turn lane into Mingara Drive and a single right turn lane into Tumbi Creek Road</td>
<td>• Double right turn lanes from Wyong Road into Tumbi Road</td>
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<td>• Double right turn lanes from Enterprise Drive into Wyong Road (eastbound)</td>
<td>• Single right turn lanes into both Mingara Drive and Tumbi Creek Road</td>
<td>• Double left turn lanes (westbound) from Tumbi Road into Wyong Road</td>
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<tr>
<td>• Single left turn lane from Wyong Road (westbound) into Enterprise Drive</td>
<td>• Double left turn lanes (eastbound) out of Tumbi Creek Road</td>
<td>• Single right turn lane (eastbound) from Tumbi Road into Wyong Road</td>
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<td>• Double left turn lanes from Enterprise Drive into Wyong Road (westbound)</td>
<td>• Removal of the existing pedestrian mid block traffic lights west of Mingara Drive.</td>
<td>• Provision for left in and left out traffic movements at Watson Avenue for eastbound traffic on Wyong Road</td>
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<tr>
<td>• Double right turn lanes from Wyong Road (eastbound) into Enterprise Drive</td>
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<td>• Provision for a signalised right turn traffic movement into Watson Avenue for westbound traffic on Wyong Road</td>
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<tr>
<td>• Double right turn lanes from Chittaway Road into Wyong Road (westbound)</td>
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<td>• Provision for a signalised right turn traffic movement (westbound) from Watson Avenue into Wyong Road for buses only.</td>
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<td>• Cyclists would be catered for with provision for a shared pedestrian cycleway on both sides of Wyong Road.</td>
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Design changes since the 2013 display:

Changes will be made to the roundabout at the Mingara Drive and Hansens Road intersection to allow a right turn movement out of the Mingara Club complex. This will provide for motorists who currently use the Mingara Drive/Wyong Road roundabout to u-turn and travel south on Hansens Road. This change is not expected to increase traffic volumes on Hansens Road.

The proposed operational arrangements include:

- Single lane approach and exit on all three legs of the roundabout, enabling traffic to move in any direction
- Provision of a formalised bus stop at the intersection of Hansens Road and Mingara Drive.

Design changes since the 2013 display:

- Relocation of bus stops close to pedestrian facilities
- Extension of shared path along Enterprise Drive to Hereford Street.

Design changes since the 2013 display:

- Provision for left in and left out traffic movements from Watson Avenue into Wyong Road
- Provision for right turn in traffic movements from Wyong Road into Watson Avenue
- Provision of a signalised right turn traffic movement for buses only out of Watson Avenue into Wyong Road. This turn is limited to buses as traffic modelling showed significant traffic flow delays if the right turn catered for all vehicles, particularly during peak periods
- Provision of a car park on the western side of Wyong Road next to the Tumbi Road intersection. The car park will repurpose land which has been acquired for utility relocations. Access will be via Pelican Street off Tumbi Road, which enables left and right turn traffic movements into and out of Wyong Road.
Enterprise Drive intersection

As previously displayed in August 2013

Modified since the previous display in August 2013

Key
- Yellow: Shared pedestrian/cycle path
- Red: Bus stop
- Green: Removed bus stop
- Gray: Road
Traffic arrangements between Mingara Drive and Tumbi Road intersections

The following traffic arrangements for motorists and cyclists would be implemented between the Mingara Drive and Tumbi Road intersections as part of this proposal:

- Existing lanes where parking is currently permitted will be converted to full time travel lanes and parking will not be permitted at any time. Options to retain some or all of the on-road parking were extensively investigated but were not feasible.
- Cyclists would be catered for with provision for a shared pedestrian cycleway on both sides of Wyong Road between Peach Avenue and Adelaide Street (eastbound) and Tumbi Road and Mingara Drive (westbound).

Benefits

Key benefits of the revised options include:

- Improved traffic flow along Wyong Road
- Improved safety for all road users
- Capacity for projected future traffic growth.
Changes to property accessibility

Traffic patterns for residents accessing Peach Avenue and properties along Wyong Road would change with the removal of the roundabouts at Mingara Drive and Tumbi Road. Motorists wishing to access Peach Avenue or Wyong Road properties may need to consider turning at the existing roundabouts on Mingara Drive, Eastern Avenue or Cornish Avenue. The proposed right turn into Watson Avenue at the Tumbi Road intersection may assist with access to some properties.

Next steps

Roads and Maritime is preparing the concept design and environmental impact assessments for the three intersection proposals, which will be available to view on the Roads and Maritime website later in 2014.

For more information

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