Epping Town Centre Road and intersection upgrades

Project 1 – Beecroft Road and Carlingford Road intersection upgrade

July 2015

Community Consultation Report
Executive summary

This Community Consultation Report provides a summary of the community consultation carried out by Roads and Maritime Services to support the preliminary concept design for the intersection and road upgrades at Beecroft Road and Carlingford Road, Epping.

Epping Town Centre is one of eight precincts under the NSW Government’s Urban Activation Precincts Program 2013, which aims to deliver more homes in places with access to infrastructure, transport, services and jobs. As a result of this work, Roads and Maritime Services has received funding to improve road infrastructure in the area.

Roads and Maritime is proposing two projects in Epping Town Centre to support the development of this precinct:

- **Project 1**: Upgrading the Beecroft Road and Carlingford Road intersection
- **Project 2**: Widening Epping Road westbound between Blaxland Road and Essex Street, including the upgrade of the intersection at Epping Road and Essex Street.

The Epping Town Centre road projects aim to improve traffic flow and road safety, and help reduce traffic delays and congestion.

Consultation for Project 1 was carried out in August 2014 and further consultation about proposed tree removal and utility investigation work was carried out in October 2014.

Key matters raised by the community about Project 1 include suggested design changes for the intersection of Ray Road/Rawson Street and Carlingford Road, concerns about traffic impacts and concerns about changes to proposed pedestrian crossings. We will consider these matters in finalising the detailed design and review of environmental factors for the project.

The decision

Following a review of the comments, we have decided to proceed with the proposed Beecroft Road and Carlingford Road intersection upgrade. We will ensure that matters raised by stakeholders and the community are addressed in preparing the detailed design and review of environmental factors.

The review of environmental factors will be finalised and made available to view on Roads and Maritime’s website later this year. We will continue to keep the community informed as the project progresses.
## Contents

Executive summary .............................................................................................................................. 2
  The decision ..................................................................................................................................... 2

Contents .............................................................................................................................................. 3

Introduction .......................................................................................................................................... 4
  Background ...................................................................................................................................... 4
  The proposal .................................................................................................................................... 4

Consultation approach ......................................................................................................................... 5
  Consultation objectives ..................................................................................................................... 5
  How consultation was done .............................................................................................................. 5

Consultation summary ......................................................................................................................... 6
  Overview .......................................................................................................................................... 6

Recommendations ..............................................................................................................................22

Next steps ...........................................................................................................................................22

Appendix A – August 2014 community update ....................................................................................23
Appendix B – October 2014 community update ..................................................................................26
Appendix C – Distribution area ............................................................................................................29
Introduction

Background

Epping Town Centre was announced as one of eight precincts under the NSW Government’s Urban Activation Precincts Program in 2013. The Department of Planning and Environment is delivering this program, which aims to provide more homes in places with access to infrastructure, transport, services and jobs.

In 2011 the Department of Planning and Infrastructure, Hornsby Shire Council and Parramatta City Council carried out a Transport Study as part of the Epping Town Centre Study. The outcomes of the study were presented in the Epping Town Centre Transport Study Outcomes Report (2011). The Transport Study is available to view on the Hornsby Shire Council website (www.hornsby.nsw.gov.au). The study identified a number of issues with the existing road network which contribute to traffic congestion and delays in Epping. Recommended infrastructure improvements for Epping Town Centre are provided in Section 10 of the Transport Study on pages 61 to 69.

Following this study the Department of Planning and Environment released the Epping Town Centre Structure Plan in 2013. The plan predicted there would be significant growth in the area as a result of increased residential and commercial development, as well as additional connectivity provided by the Sydney Metro Northwest.

As a result of this work, Roads and Maritime has received funding to improve road infrastructure in the area. Roads and Maritime is proposing to deliver two road upgrade projects to support the development of the Epping Town Centre precinct. Both projects were identified in the Epping Town Centre Transport Study Outcomes Report (2011). Roads and Maritime has proposed additional changes to the recommendations of the Transport Study to help ease congestion and improve safety.

The two projects are:

- **Project 1**: Upgrading the Beecroft Road and Carlingford Road intersection
- **Project 2**: Widen Epping Road westbound between Blaxland Road and Essex Street, including the upgrade of the intersection at Epping Road and Essex Street

We are preparing separate review of environmental factors for each of the Epping Town Centre projects.

The proposal

Project 1 aims to improve traffic flow and road safety at the intersection of Beecroft Road and Carlingford Road, Epping.

The key features of Project 1 include:

- Widening Beecroft Road on the eastern side of the intersection
- Providing an additional right turn lane from Beecroft Road southbound into Carlingford Road
- Providing a third southbound lane on Beecroft Road north of Carlingford Road
- Upgrading the left turn slip lane from Carlingford Road onto Beecroft Road
- Providing a new traffic light pedestrian crossing on the western side of the intersection
- Building a 90 metre long retaining wall on the eastern side of Beecroft Road next to the rail corridor
- Vegetation removal
- Upgrading traffic islands and traffic control signals
- Adjusting property and utility services.

The intersection would be designed to accommodate a future traffic light pedestrian crossing on the northern side of the intersection and a footpath and retaining wall on the eastern side of Beecroft Road.
Consultation approach

Consultation objectives

Roads and Maritime carried out consultation for the Epping Town Centre projects to:

• Seek comment, feedback, ideas, and suggestions for us to consider when developing the proposal, including consultation outcomes into the review of environmental factors

• Build a database of interested and concerned community members with whom we can continue to engage during the proposal’s development.

How consultation was done

We invited feedback on the preliminary design for the Epping Town Centre projects from 18 August to 29 August 2014. We also accepted feedback received in the two weeks after the close of consultation and this feedback is included in this report.

A second consultation period was carried out between 28 October and 12 November 2014. Community members were encouraged to provide feedback on a proposal to remove trees along the eastern side of Beecroft Road to accommodate the road widening. Feedback received in the week after the closing date was accepted and is included in this report.

Community members were encouraged to provide their feedback, leave comments and make submissions at the information sessions or via mail, email or phone contact with the project team. Our key consultation tools are:

- Community update newsletter Updates were delivered to about 6200 households and businesses inviting feedback on the proposals:
  - A community update seeking feedback on the preliminary concept design in August 2014
  - A community update seeking feedback on proposed tree removal in October 2014.

- Webpage Preliminary designs and information about the projects were published on Roads and Maritime’s website in August 2014. The project web page is updated regularly as information becomes available.

- Door knock The project team door knocked about 60 properties on 18 August 2014 to deliver the community update and seek feedback from directly affected landowners.

- Community information line A toll free 1800 number was provided for the community and stakeholders to ask questions or provide feedback.

- Project mailbox Community members and stakeholders were provided with a postal address to send feedback to the project team.
Consultation summary

Overview

We received comments from 77 community members and stakeholders. They raised 148 individual matters. This included one submission from Council and a letter from Epping Civic Trust. Of the 148 comments received most related to:

- Project (about 48 per cent, or 71 comments)
- Traffic and access (about 39 per cent, or 58 comments)
- Consultation process (8 per cent, or 11 comments)
- Environment (5 per cent, or 8 comments).

A number of comments were made about pedestrian connectivity, including the proposed pedestrian path along the eastern side of Beecroft Road and the proposed new traffic light pedestrian crossing on the northern approach to the intersection. It was suggested that these would not be used by pedestrians.

Number of comments by key issue category:
<table>
<thead>
<tr>
<th>Issue category</th>
<th>Issue sub-category</th>
<th>Number of submissions</th>
<th>Issues raised</th>
<th>Roads and Maritime response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic and access</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>7 comments</td>
<td>Concern that the additional right turn lane will not address other congestion problems</td>
<td>The proposal aims to ease congestion, improve safety and allow for future growth on Beecroft Road as part of the Epping Town Centre Precinct. The project aims to support significant traffic growth as a result of increased residential and commercial development.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ref # 2, 4, 9, 16, 36, 72, 73</td>
<td></td>
<td>Vehicles turning right from Beecroft Road into Carlingford Road currently block through-traffic travelling southbound along Beecroft Road. This significantly impacts traffic during the morning peak period.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>An additional right turn bay from Beecroft Road into Carlingford Road will be provided to improve overall capacity at the intersection. The additional right turn lane would increase capacity for the traffic turning right and improve the flow of southbound traffic on Beecroft Road.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The improved operating efficiencies as a result of the additional right turn lane would allow additional green time for Carlingford Road movements. This would allow more cars to more through the intersection during peak times. These improvements would allow for an additional 120 vehicles per peak hour to move through the intersection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The additional right turn bay would be achieved by widening the road corridor east of Beecroft Road into the existing road reserve.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>An additional third southbound through lane on Beecroft Road north of Carlingford Road is also proposed. This would help increase capacity and further address congestion through the intersection.</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>6 comments Ref # 12, 16, 43, 44, 52, 66</td>
<td>The right turn lane from Beecroft Road to Carlingford Road will not reduce congestion</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>1 comment Ref # 6</td>
<td>No need for additional right hand turn as there are already bottleneck problems</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
<td>-----------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
</tr>
</tbody>
</table>

The proposal aims to ease congestion, improve safety and allow for future growth on Beecroft Road as part of the Epping Town Centre Precinct. The project aims to support significant traffic growth as a result of increased residential and commercial development.

Vehicles turning right from Beecroft Road into Carlingford Road currently block through-traffic travelling southbound along Beecroft Road. This significantly impacts traffic during the morning peak period.

An additional right turn bay from Beecroft Road into Carlingford Road will be provided to improve overall capacity at the intersection. The additional right turn lane would increase capacity for the traffic turning right and improve the flow of southbound traffic on Beecroft Road.

The improved operating efficiencies as a result of the additional right turn lane would allow additional green time for Carlingford Road movements. This would allow more cars to move through the intersection during peak times. These improvements would allow for an additional 120 vehicles per peak hour to move through the intersection.

The additional right turn bay would be achieved by widening the road corridor east of Beecroft Road into the existing road reserve.

An additional third southbound through lane on Beecroft Road north of Carlingford Road is also proposed. This would help increase capacity and further address congestion through the intersection.
### Traffic and access

| Proposed changes to traffic movement, property access and pedestrian access | Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road | Insufficient space for the additional right turn lane | The proposal aims to ease congestion, improve safety and allow for future growth on Beecroft Road as part of the Epping Town Centre Precinct. The project aims to support significant traffic growth as a result of increased residential and commercial development. Vehicles turning right from Beecroft Road into Carlingford Road currently block through-traffic travelling southbound along Beecroft Road. This significantly impacts traffic during the morning peak period.

An additional right turn bay from Beecroft Road into Carlingford Road will be provided to improve overall capacity at the intersection. The additional right turn lane would increase capacity for the traffic turning right and improve the flow of southbound traffic on Beecroft Road.

The improved operating efficiencies as a result of the additional right turn lane would allow additional green time for Carlingford Road movements. This would allow more cars to move through the intersection during peak times. These improvements would allow for an additional 120 vehicles per peak hour to move through the intersection.

The additional right turn bay would be achieved by widening the road corridor east of Beecroft Road into the existing road reserve.

An additional third southbound through lane on Beecroft Road north of Carlingford Road is also proposed. This would help increase capacity and further address congestion through the intersection. |

<p>| 2 comments | Ref # 23, 56 |</p>
<table>
<thead>
<tr>
<th>Traffic and access</th>
<th>Proposed changes to traffic movement, property access and pedestrian access</th>
<th>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</th>
<th>2 comments Ref # 61, 62</th>
<th>Widening Beecroft Road north of Carlingford Road will not address congestion between Carlingford Road and Epping Bridge</th>
<th>The proposal aims to ease congestion, improve safety and allow for future growth on Beecroft Road as part of the Epping Town Centre Precinct. The project aims to support significant traffic growth as a result of increased residential and commercial development. Vehicles turning right from Beecroft Road into Carlingford Road currently block through-traffic travelling southbound along Beecroft Road. This significantly impacts traffic during the morning peak period. An additional right turn bay from Beecroft Road into Carlingford Road will be provided to improve overall capacity at the intersection. The additional right turn lane would increase capacity for the traffic turning right and improve the flow of southbound traffic on Beecroft Road. The improved operating efficiencies as a result of the additional right turn lane would allow additional green time for Carlingford Road movements. This would allow more cars to move through the intersection during peak times. These improvements would allow for an additional 120 vehicles per peak hour to move through the intersection. The additional right turn bay would be achieved by widening the road corridor east of Beecroft Road into the existing road reserve. An additional third southbound through lane on Beecroft Road north of Carlingford Road is also proposed. This would help increase capacity and further address congestion through the intersection.</th>
</tr>
</thead>
</table>
# Traffic and access

**Proposed changes to traffic movement, property access and pedestrian access**

<table>
<thead>
<tr>
<th>Proposed changes</th>
<th>Comments</th>
<th>Overall plans for the Carlingford Road and Beecroft Road intersection will not reduce congestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</td>
<td>4 comments Ref # 18, 20, 21, 38</td>
<td>The proposal aims to ease congestion, improve safety and allow for future growth on Beecroft Road as part of the Epping Town Centre Precinct. The project aims to support significant traffic growth as a result of increased residential and commercial development. Vehicles turning right from Beecroft Road into Carlingford Road currently block through-traffic travelling southbound along Beecroft Road. This significantly impacts traffic during the morning peak period. An additional right turn bay from Beecroft Road into Carlingford Road will be provided to improve overall capacity at the intersection. The additional right turn lane would increase capacity for the traffic turning right and improve the flow of southbound traffic on Beecroft Road. The improved operating efficiencies as a result of the additional right turn lane would allow additional green time for Carlingford Road movements. This would allow more cars to move through the intersection during peak times. These improvements would allow for an additional 120 vehicles per peak hour to move through the intersection. The additional right turn bay would be achieved by widening the road corridor east of Beecroft Road into the existing road reserve. An additional third southbound through lane on Beecroft Road north of Carlingford Road is also proposed. This would help increase capacity and further address congestion through the intersection.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Proposed additional right turn lane from Beecroft Road southbound into Carlingford Road</th>
<th>8 comments Ref # 5, 8, 11, 15, 19, 24, 28, 55</th>
<th>Support for the proposed additional right turn from Beecroft Road southbound into Carlingford Road</th>
</tr>
</thead>
</table>

**Support for the proposed additional right turn from Beecroft Road southbound into Carlingford Road**

Roads and Maritime acknowledges support for the additional right turn lane.
<table>
<thead>
<tr>
<th>Traffic and access</th>
<th>Proposed changes to traffic movement, property access and pedestrian access</th>
<th>1 comment Ref # 52</th>
<th>This change will cause congestion for straight through traffic</th>
<th>As part of this proposal we would provide a third southbound lane on Beecroft Road north of Carlingford Road. This would help increase capacity and reduce congestion through the intersection.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>1 comment Ref # 57</td>
<td>Concern that the left turn from Carlingford Road onto Beecroft Road is restricted</td>
<td>As part of this proposal the left turn slip lane from Carlingford Road onto Beecroft Road would be modified to increase the lane capacity.</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>19 comments Ref # 4, 6, 8, 11, 15, 19, 21, 23, 24, 26, 29, 33, 37, 40, 51, 52, 54, 55, 57</td>
<td>There is no need for the proposed pedestrian crossing at the intersection of Beecroft Road and Carlingford Road. No one crosses here and it will cause more congestion</td>
<td>Roads and Maritime has decided to delay the proposal for a pedestrian path on the eastern side of Beecroft Road and the pedestrian crossing on the northern side of the intersection. Provisions would be made for this work to be completed when demand increases in the future with increased development in the area.</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>1 comment Ref # 31</td>
<td>Support for the proposed pedestrian crossing at the intersection of Beecroft Road and Carlingford Road and request that it is coordinated with the traffic lights at Ray Road</td>
<td>Roads and Maritime has decided to delay the proposal for a pedestrian path on the eastern side of Beecroft Road and the pedestrian crossing on the northern side of the intersection. Provisions would be made for this work to be completed when demand increases in the future with increased development in the area.</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>1 comment Ref # 76</td>
<td>Replace crossing at Beecroft Road and Carlingford Road intersection with a pedestrian bridge to reduce traffic interruptions</td>
<td>There is not enough space to build a pedestrian bridge at the intersection of Beecroft Road and Carlingford Road due to the proximity of the railway line and properties near the intersection. A crossing would be maintained at Carlingford Road to ensure pedestrian connectivity to Epping Station.</td>
</tr>
<tr>
<td>Traffic and access</td>
<td>Proposed changes to traffic movement, property access and pedestrian access</td>
<td>1 comment Ref # 50</td>
<td>Concerned about access to service station</td>
<td>Access to the service station would be modified as a result of upgrading the intersection. Stakeholder consultation with the service station owners has been carried out and safe access to the service station would be maintained.</td>
</tr>
<tr>
<td>Environment</td>
<td>Comments relating to tree removal and noise generated from the project</td>
<td>Tree removal</td>
<td>4 comments Ref # 59, 60, 61, 62</td>
<td>Concerns about tree removal</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>---------------</td>
<td>----------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Comments relating to tree removal and noise generated from the project</td>
<td>Tree removal</td>
<td>2 comments Ref # 35, 63</td>
<td>Agree with removal of trees and associated ground cover</td>
<td>Roads and Maritime acknowledges support for the removal of trees associated with Project 1.</td>
</tr>
<tr>
<td>Comments relating to tree removal and noise generated from the project</td>
<td>Tree removal</td>
<td>1 comment Ref # 57</td>
<td>Street trees were planted by Epping Civic Trust and shouldn't be removed</td>
<td>Roads and Maritime met with representatives from the Epping Civic Trust to confirm the trees that would need to be removed as part of this proposal. It was confirmed that these were not trees planted by the Civic Trust.</td>
</tr>
<tr>
<td>Comments relating to tree removal and noise generated from the project</td>
<td>Noise</td>
<td>1 comment Ref # 63</td>
<td>Concerns about the noise impacts to the units nearby and would like appropriate measures to be considered</td>
<td>Roads and Maritime will assess the operational noise and identify appropriate mitigation measures as part of the review of environmental factors which will be made available to view on Roads and Maritime’s website in late 2015. There would be some noise while construction work is carried out, however we would make every effort to minimise noise by arranging the work in stages at different locations. We would complete the work as quickly as possible to minimise any disruptions.</td>
</tr>
<tr>
<td>Comments relating to tree removal and noise generated from the project</td>
<td>Alternatives</td>
<td>4 comments Ref # 12, 34, 58, 62</td>
<td>Construct a bypass or tunnel in town centre to facilitate smoother connection of Carlingford Road with Epping Road potentially with tolls</td>
<td>The proposal aims to ease congestion and improve safety on Beecroft Road at the intersection of Carlingford Road. These suggestions are outside the scope of this proposal.</td>
</tr>
<tr>
<td>Project</td>
<td>Alternatives</td>
<td>Comments</td>
<td>Traffic connectivity between Carlingford Road and Epping Road needs to be improved</td>
<td>The proposal aims to ease congestion and improve safety on Beecroft Road at the intersection of Carlingford Road. These suggestions are outside the scope of this proposal.</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------------</td>
<td>----------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Alternatives</td>
<td>3 comments Ref # 20, 42, 68</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternatives</td>
<td>1 comment Ref # 1</td>
<td>Suggested no left turn from Carlingford Road onto Beecroft Road with alternative route down Midson Road and Ray Road</td>
<td>It is not feasible to redirect traffic onto local roads and introduce a no left turn at the intersection along a main arterial route. This proposal does not prevent road users from using these alternative routes.</td>
<td></td>
</tr>
<tr>
<td>Alternatives</td>
<td>1 comment Ref # 9</td>
<td>Suggested raised median strip along Beecroft Road and Carlingford Road intersection to allow for free flow of traffic</td>
<td>The proposal aims to ease congestion and improve safety on Beecroft Road. Access from Carlingford Road onto Beecroft Road is necessary for traffic connectivity in the local area and for this reason this suggestion is not feasible.</td>
<td></td>
</tr>
<tr>
<td>Alternatives</td>
<td>1 comment Ref # 75</td>
<td>Beecroft Road should be widened from the Epping Road Bridge to past Carlingford Road to accommodate two additional lanes to reduce congestion</td>
<td>The proposal includes widening the road corridor east of Beecroft Road into the existing road reserve to accommodate an additional right turn bay from Beecroft Road southbound into Carlingford Road. The additional right turn lane would increase capacity for traffic turning right and improve the flow of southbound through traffic on Beecroft Road. Additional widening to the suggested extent is outside the scope of this project.</td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Alternatives</td>
<td>2 comments Ref # 74, 76</td>
<td>Lengthen traffic light phasing at Carlingford Road and Beecroft Road intersection</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Project</td>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Alternatives</td>
<td>1 comment Ref # 77</td>
<td>Suggested that the split of traffic between Beecroft Road and Carlingford Road could be managed better</td>
</tr>
<tr>
<td>Project</td>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Project cost</td>
<td>3 comments Ref # 9, 50, 58</td>
<td>Cost of the project and property acquisition isn’t justified by the benefits</td>
</tr>
<tr>
<td>Project</td>
<td>Outside project scope</td>
<td>-</td>
<td>Roads and Maritime received a number of comments about reducing congestion at the intersection of Carlingford Road and Ray Road/Rawson Street. These include:</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------</td>
<td>---</td>
<td>----------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Roads and Maritime received a number of comments about reducing congestion at the intersection of Carlingford Road and Ray Road/Rawson Street. These include:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Changes required to the intersection and traffic light phasing to reduce congestion (21 comments Ref # 1, 4, 19, 20, 22, 23, 24, 27, 30, 39, 41, 44, 45, 47, 48, 51, 53, 54, 56, 72, 76)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• A dedicated right turn from Rawson Street onto Carlingford Road is required (9 comments Ref# 2, 7, 13, 14, 15, 17, 38, 49, 76)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Concern that the proposal would increase congestion on Ray Road and Rawson Street (6 comments Ref # 1, 9, 25, 36, 50, 62)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Road widening required on Carlingford Road between Beecroft Road and Rawson Street/Ray Road to increase capacity (1 comment Ref # 46)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Traffic lights at Rawson Street and Carlingford Road should have a right turn light (5 comments Ref # 3, 7, 10, 38, 53)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No right turn required from Carlingford Road westbound into Ray Road with alternative route down Midson Road (3 comments Ref # 1, 7, 67)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• No right turn required from Carlingford Road eastbound into Rawson Street with an alternative route down Bridge Street (2 comments Ref # 1, 67) Consider pedestrian bridge at the Carlingford Road and Rawson Street intersection (2 comments Ref # 69, 76)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Ray Road/Rawson Street should be closed off from Carlingford Road (1 comment Ref # 20)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Right turn arrow from Ray Road onto Carlingford Road is needed (2 comments Ref # 49, 53)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• New traffic light pedestrian crossing is needed (1 comment Ref # 32)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**The proposed upgrade of the Beecroft Road and Carlingford Road intersection has been developed in accordance with the recommended infrastructure improvements outlined in the Epping Town Centre Transport Study Outcomes Report (2011).**

The proposal aims to ease congestion and improve safety on Beecroft Road. Changes to the Ray Road/Rawson Street and Carlingford Road intersection were not recommended in the Transport Study and were not investigated as part of this proposal.

Roads and Maritime is currently considering options to upgrade the intersection of Carlingford Road and Ray Road/Rawson Street and will keep the community informed about any proposed changes.
<table>
<thead>
<tr>
<th>Project</th>
<th>Outside project scope</th>
<th>1 comment</th>
<th>Keep clear signage in Rawson Street at Coles exit</th>
<th>The proposal aims to ease congestion and improve safety on Beecroft Road. Changes to traffic, signage and parking on Rawson Street were not recommended in the Epping Town Centre Transport Study Outcomes Report (2011) and were not investigated as part of this proposal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td></td>
<td></td>
<td>Ref # 7</td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Outside project scope</td>
<td>1 comment</td>
<td>Changes to parking restrictions in Rawson Street</td>
<td>The proposal aims to ease congestion and improve safety on Beecroft Road. Changes to traffic, signage and parking on Rawson Street were not recommended in the Epping Town Centre Transport Study Outcomes Report (2011) and were not investigated as part of this proposal.</td>
</tr>
<tr>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td></td>
<td></td>
<td>Ref # 67</td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Outside project scope</td>
<td>1 comment</td>
<td>Rawson Street needs to be one way southbound</td>
<td>The proposal aims to ease congestion and improve safety on Beecroft Road. Changes to traffic, signage and parking on Rawson Street were not recommended in the Epping Town Centre Transport Study Outcomes Report (2011) and were not investigated as part of this proposal.</td>
</tr>
<tr>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td></td>
<td></td>
<td>Ref # 67</td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Outside project scope</td>
<td>1 comment Ref # 76</td>
<td>Introduce traffic lights at the intersection of Kandy Avenue and Beecroft Road and allow right hand turns from Kandy Avenue southbound into Beecroft Road, to reduce congestion on Rawson Street</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------</td>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>The proposal aims to ease congestion and improve safety at the intersection of Beecroft Road and Carlingford Road in accordance with the recommended infrastructure improvements outlined in the Epping Town Centre Transport Study Outcomes Report (2011). Changes to the Kandy Avenue and Beecroft Road intersection were not included in the Transport Study and were not investigated as part of this proposal. Roads and Maritime is currently considering options to upgrade the intersection of Carlingford Road and Ray Road/Rawson Street and will keep the community informed about any proposed changes.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project</th>
<th>Outside project scope</th>
<th>1 comment Ref# 5</th>
<th>Widen the eastern end of Carlingford Road to reduce queuing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roads and Maritime is carrying out further traffic studies in Epping Town Centre to identify areas for increased traffic capacity. The results of these studies will be addressed in future projects.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project</th>
<th>Outside project scope</th>
<th>1 comment Ref # 47</th>
<th>More parking is needed in Epping Town Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes to parking in Epping Town Centre are outside the scope of this proposal. Roads and Maritime has referred this request to Parramatta City Council and Hornsby Shire Council for their consideration.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project</td>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Outside project scope</td>
<td>1 comment</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Project</td>
<td>Various suggestions about changes and inclusion to the project and concerns about project cost</td>
<td>Outside project scope</td>
<td>3 comments</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Inadequate consultation</td>
<td>1 comment</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Inadequate consultation</td>
<td>1 comment</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Inadequate consultation</td>
<td>2 comments Ref # 59, 64</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Request for more information</td>
<td>1 comment Ref # 26</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Request for more information</td>
<td>1 comment Ref # 46</td>
</tr>
<tr>
<td>Consultation process</td>
<td>Concerns regarding the timeframe provided for comment and request for further detail</td>
<td>Request for more information</td>
<td>1 comment Ref # 46</td>
</tr>
</tbody>
</table>
Recommendations

Roads and Maritime has considered all of the feedback received during consultation and has decided to proceed with the proposed upgrade of the Beecroft Road and Carlingford Road intersection.

After considering the feedback we have decided to delay:

- A traffic light pedestrian crossing on the northern side of the intersection
- The proposed pedestrian path along the eastern side of Beecroft Road to Epping Station.

We have made provisions for this work to be completed in the future when demand increases with development and population growth in the area.

We will proceed with the following work:

- An additional dedicated right turn traffic lane from Beecroft Road southbound into Carlingford Road
- An additional Beecroft Road southbound traffic through lane to provide three southbound through lanes through the Carlingford Road intersection
- Widening the road and building a 90 metre long retaining wall to the north of the Carlingford Road and Beecroft Road intersection
- A new traffic light pedestrian crossing on the western side of the Carlingford Road and Beecroft Road intersection
- Upgrading and widening the left turn slip lane from Carlingford Road onto Beecroft Road northbound
- Upgrading traffic islands and traffic lights
- Adjusting property and utility services
- Vegetation removal.

Next steps

We will consider stakeholder and community comments as we prepare the detailed design and review of environmental factors for the project. The review of environmental factors will be finalised and made available to view on Roads and Maritime’s website later this year.

We will continue to keep the community informed as the project progresses.
Appendix A – August 2014 community update

Community Update
AUGUST 2014

Intersection and road upgrades in Epping Town Centre

Roads and Maritime Services is planning for the upgrade of Epping Road and the Beecroft Road and Carlingford Road intersection in stages as part of the Epping Town Centre Urban Activation Precincts Program. These projects aim to improve traffic flow, reduce traffic delays and improve road safety.

Roads and Maritime is seeking community and stakeholder feedback on the preliminary concept designs until Friday 29 August 2014.

Background
The Epping Town Centre was announced as one of the first eight precincts under the NSW Government’s Urban Activation Precincts Program. The Department of Planning and Environment manages this program, which aims to deliver more homes in places with access to infrastructure, transport, services and jobs.

In 2013, the Department of Planning and Environment released the Epping Town Centre Structure Plan which indicated that there would be significant growth for the area as a result of increased residential and commercial development as well as additional connectivity provided by the North West Rail Link.

The structure plan followed the 2011 Epping Town Centre study that was carried out by the Department of Planning and Environment, Hornsby Shire Council and Parramatta City Council. This study identified a number of issues with the existing road network, including traffic congestion and delays.

The NSW government announced funding in the 2012/2013 State budget for road and intersection upgrades in the Epping Town Centre.

Roads and Maritime has developed preliminary concept designs for three of the projects identified in the study. These projects will be delivered in two stages:

- Stage 1: Upgrade of Beecroft Road and Carlingford Road intersection, Epping.
- Stage 2: Widening of Epping Road between Baxland Road and Essex Street, Epping including the upgrade of the intersection of Epping Road and Essex Street, Epping.

Roads and Maritime has engaged DownerMouchel to deliver this work. Roads and Maritime is continuing with field investigations to progress the designs and Review of Environmental Factors.

Have your say

To have your say on the preliminary designs for the road and intersection upgrades in Epping Town Centre please send us your comments by Friday 29 August 2014 via:

Email: enquiries_nsw@downermouchel.com
Mail: DownerMouchel
Epping Town Centre road and intersection improvements
Level 15, 133 Castlereagh Street
Sydney NSW 2000
Stage 1: Beecroft Road and Carlingford Road intersection upgrade

The proposal to upgrade the intersection of Beecroft Road and Carlingford Road includes:
- Providing a second right turn lane from Beecroft Road into Carlingford Road. This would require the road to be widened on the eastern side of Beecroft Road
- New traffic light controlled pedestrian crossings on both Carlingford Road and Beecroft Road
- A new pedestrian path on the eastern side on Beecroft Road to link with the existing path leading to Epping Station

Stage 2: Epping Road widening and Essex Street intersection upgrade

The proposal to widen Epping Road between Blaxland Road and Essex Street, and upgrade the Essex Street intersection includes:
- Widening Epping Road from two lanes to three lanes in the westbound direction
- Removing the right turn movement from Langston Place into Epping Road
- Upgrading the intersection of Epping Road and Essex Street to provide dedicated turn lanes into Epping Road from Essex Street
- New traffic light controlled pedestrian crossings at the intersection of Epping Road and Essex Street
- Removing the right turn movement from Epping Road into Smith Street and Forest Grove.

Have your say

Roads and Maritime is seeking feedback on these proposals to improve Epping Town Centre until Friday 29 August 2014. You can provide your feedback by email enquiries_nsw@downermouchel.com or by mail:

DownerMouchel
Epping Town Centre Road and Intersection Improvements
Level 15, 133 Castlereagh Street
SYDNEY NSW 2000

Next steps

Once consultation has closed Roads and Maritime will review and consider the feedback received to help progress the designs and Review of Environmental Factors. A summary of this feedback will be published and provided to the community for information.

Roads and Maritime will continue with investigations to progress the designs and environmental assessments for the two stages.

More information

For further information on this project please visit www.rms.nsw.gov.au/roadprojects or contact us on 1800 332 660 or by email enquiries_nsw@downermouchel.com.
Intersection and road upgrades in Epping Town Centre

OCTOBER 2014

Proposed tree removal and utility investigations for the Beecroft Road and Carlingford Road intersection

As a result of design refinements at the Beecroft Road and Carlingford Road intersection, Roads and Maritime Services has identified some trees that would need to be removed as part of this project.

Roads and Maritime is seeking community and stakeholder feedback until **Wednesday 12 November 2014**.

Background

The Epping Town Centre was announced as one of the first eight precincts under the NSW Government’s Urban Activation Precincts Program. The Department of Planning and Environment manages this program, which aims to deliver more homes in places with access to infrastructure, transport, services and jobs.

Roads and Maritime is upgrading key intersections in Epping Town Centre in support of this Precinct Program.

These changes mean that eight mature trees will need to be removed from the eastern side of Beecroft Road as identified on the map. The shrubs and ground-cover beneath the trees will also need to be removed.

Some planting has recently been carried out within the area where road widening is proposed. Fortunately, most of these plantings would not be affected by the proposal.

Trees identified for removal along Beecroft Road as part of Project 1

Since we last updated the community, we have identified some refinements to the Beecroft Road and Carlingford Road intersection upgrade project. These include:

- Road widening to accommodate an additional right turn lane into Carlingford Road
- Development of a third southbound lane along Beecroft Road, which requires the construction of a retaining wall.

Have your say

Roads and Maritime welcomes your feedback on the proposed removal of the trees. To have your say please send us your comments by **Wednesday 12 November 2014** via:

**Email:** enquiries_nsw@downerouochel.com
**Mail:** DownerMouchel
Epping Town Centre road and intersection improvements
166 Epping Road
LANE COVE WEST NSW 2066

For more information visit the Roads and Maritime website **www.rms.nsw.gov.au/projects** or call us on 1800 332 680
Trees identified for removal along Beecroft Road - October 2014

Key
- Intersection concept design
- Proposed tree removal area

Two trees proposed for removal.

Four trees proposed for removal.

Two trees proposed for removal.
Utility investigations

To assist with the detailed design work for the Beecroft and Carlingford Road intersection, Roads and Maritime will be carrying out some on-site investigations between 8pm and 5am from Monday 17 November to Monday 1 December 2014, excluding Fridays and Saturdays, weather permitting. Partial lane closures will be in place while the work is carried out to ensure safety of road users and workers. Road users are asked to follow the direction of traffic controllers, adhere to reduced speed limits and follow traffic signs.

There will be some noise associated with this work, but every effort will be made to minimise the impact on residents and businesses. We apologise for any inconvenience this work may cause and appreciate the patience of residents and road users.

Feedback received

In August 2014, we sent out a community update to collect feedback on the preliminary concept designs for the two projects:

- Project 1: Upgrading Beecroft Road and Carlingford Road intersection, Epping
- Project 2: Widening Epping Road between Blaxland Road and Essex Street, Epping including the upgrade of the intersection Epping Road and Essex Street, Epping.

Roads and Maritime received 142 responses from the community and stakeholders during consultation including 323 individual comments about specific parts of the projects. Less than 40 per cent of the comments received were in relation to Project 1, with most focusing on Project 2.

We are considering all of this feedback and are preparing a Community Consultation Report. This report will be placed on the Roads and Maritime website and we will notify individuals that provided feedback once this report has been published.

Next steps

Roads and Maritime is continuing to progress the design and prepare the environmental assessment for Project 1.

The Review of Environmental Factors for the project will be finalised in the coming months and published on the website for information.

Further design work on Project 2 is also being carried out. We will communicate any changes to this design as they occur and will publicly display the Review of Environmental Factors for comment in mid-2015.

For more information on the Epping Town Centre Road and intersection upgrades please visit www.rms.nsw.gov.au/projects or contact DownerMouchel Phone: 1800 332 660, email: enquiries_nsw@downermouchel.com