

MURPHY ROAD AND ELLISON ROAD INTERSECTION UPGRADE



Dedicated to a better Brisbane

The Murphy Road and Ellison Road intersection upgrade in Geebung is part of Brisbane City Council's \$1.3 billion commitment to more than 90 road improvement projects to take real action on congestion, by focusing on a range of solutions to improve the existing road network, getting residents home quicker and safer.

The existing roundabout at Murphy Road and Ellison Road is currently operating at capacity in the morning peak and over capacity in the evening peak, with long delays and queues on the southern and northern approaches. Congestion through the intersection is expected to increase without intervention.

The upgrade will increase the reliability of travel times, provide enhanced facilities for cyclists and pedestrians, improve safety for all road users and will help cater for existing and future traffic demands along this busy corridor.

Council has been working with the local community to gain feedback about the proposed design for the intersection upgrade. Council has completed a review of the project scope to ensure the suitability of the design and identify further opportunities for improvement. In line with community feedback, Council will deliver further traffic enhancements.

Council is committed to keeping the local community informed about this project and will provide advance notification of construction timings and impacts. Information about project timing and the project team's contact details are outlined on the back page.

Project features

- Replacing the existing roundabout controlled intersection of Murphy Road and Ellison Road with a signalised intersection
- Upgrading Murphy Road from two to four lanes between the Gympie Road intersection and Butt Street intersection, with a three-lane southbound approach on Murphy Road
- Widening Ellison Road to four lanes between Danette Street and Gambia Street
- Upgrading the Kittyhawk Drive and Murphy Road intersection to include additional through lanes in each direction, a right-turn pocket into Kittyhawk Drive and a U-turn facility for southbound traffic
- Signalling the Butt Street and Murphy Road intersection to include a pedestrian crossing facility, a right-turn pocket into Butt Street and a new mini-roundabout at the intersection of Butt Street and Fernlea Street to enhance traffic movements for local residents
- Providing additional off-road car parking adjacent to Marchant Park and 7th Brigade Park
- Incorporating on-road cycle lanes in both directions on Ellison Road and Murphy Road
- Converting Marathon Street and Blackwood Road to left-in, left-out access only to improve safety
- Providing right-turn pockets on Ellison Road for westbound traffic into Coolah Street and Gambia Street
- Constructing a new road access to Navarre Street
- Providing indented bus stops adjacent to the Murphy Road and Ellison Road intersection
- Landscaping and line marking

Community feedback

Council has received feedback from the community, with Council's response detailed below.

Community feedback	Council's response
<p>Request for U-turn facilities to improve access to local properties and businesses.</p>	<p>Council has investigated all options to provide U-turn facilities at the Murphy Road and Ellison Road intersection. Due to safety concerns, a U-turn is not viable at this location where uncontrolled left-turn slip lanes are to be installed.</p> <p>Further, excluding larger vehicles from accessing a U-turn is not feasible and it would be difficult to ensure motorist compliance, resulting in undesirable movements. This may lead to dangerous driver behaviour and confusion for motorists, creating potential safety risks for all road users.</p> <p>A U-turn facility for southbound traffic at the Kittyhawk Drive and Murphy Road intersection is incorporated into the design, 550 metres from the Murphy Road and Ellison Road intersection. To further enhance traffic movement options for local residents, the project is planning to install a mini-roundabout at the intersection of Butt Street and Fernlea Street to provide a safe and easy option for northbound traffic wanting to travel south on Murphy Road.</p>
<p>Concern raised about the removal of informal on-street parking on Murphy Road.</p>	<p>Council has undertaken parking surveys to determine the usage of the informal parking on Murphy Road adjacent to Marchant Park and 7th Brigade Park. The results identified that the majority of the informal parking on Murphy Road is utilised for accessing 7th Brigade Park or Marchant Park during the week and on weekends.</p> <p>The project proposes to provide two new off-road parking options to replace the existing informal parking on Murphy Road. Council sought community feedback on two off-street parking options, one located in Marchant Park and the other an extension to the existing car park at Kidspace in 7th Brigade Park. Based on community feedback, Council has decided to proceed with both parking options to cater for the current and future needs of park users.</p> <p>Approximately 80 new parking bays will be included across both areas, providing a safer and more convenient solution for people accessing Marchant Park and 7th Brigade Park. In addition, a signalised pedestrian crossing will be provided on Murphy Road to ensure safe and controlled movements once the road is upgraded to four lanes.</p>
<p>Request for off-peak on-street parking on Murphy Road and Ellison Road.</p>	<p>To minimise the resumption of land and impact on Marchant and 7th Brigade Parks there will be no on-street parking permitted along Murphy Road, between Gympie Road and Butt Street, and along Ellison Road, between Danette Street and Gambia Street. The provision of on-street parking along transport corridors such as Murphy Road adversely impacts the corridor capacity as well as the broader transport network.</p> <p>Following requests from local residents, Council has investigated options for temporary off-peak parking on Murphy Road and Ellison Road, however this would compromise the integrity and safety of the proposed on-road cycle lanes as well as reduce the efficiency of the intersections on Murphy Road.</p>
<p>Concerns about increases in traffic volumes and parking in local streets.</p>	<p>The project proposes to change access at Marathon Street and Blackwood Road to left-in/left-out only due to the close proximity to the new intersection. Residents wishing to turn right from Murphy or Ellison roads will be required to use alternative routes via adjacent streets. Traffic modelling indicates minimal increase in traffic on local streets therefore no traffic management devices are proposed as part of the project scope, however Council's Transport, Planning and Strategy division will monitor the situation following completion of the works.</p> <p>Residents requested parking permits to tackle the potential increase in the number of commuters parking on local streets with the removal of on-street parking on Murphy and Ellison roads. Following the completion of works, Council's Transport, Planning and Strategy division will investigate parking on local streets.</p>

Community feedback	Council's response
Question about the relocation of bus stops on Murphy Road.	<p>Council proposes to relocate two bus stops on Murphy Road. The southbound bus stop, adjacent to the Shell Service Station, will be relocated south of the intersection, near 7th Brigade Park. The northbound bus stop, adjacent to Marchant Park, will be relocated north of the intersection. Locating the bus stops on the departure side of the intersection will reduce delays and improve traffic flow efficiency for vehicles travelling through or turning left at the intersection.</p> <p>The new bus stops will be located in indented bus bays to allow buses to pull off the road away from through traffic, which will further improve traffic flow along Murphy Road.</p>
Request for improvements to be made to alleviate traffic congestion on Butt Street.	<p>Council has considered various options for the Butt Street intersection and determined that a signalised intersection, including a pedestrian crossing, provides the best operational solution for the traffic network to relieve congestion and improve safety for all road users.</p> <p>The dedicated right-turn pocket on Murphy Road will protect turning vehicles and provide a controlled right-turn movement while maintaining two through lanes. The pedestrian crossing will improve safety and connectivity for people accessing the bus stop and local amenities.</p> <p>The signals will reduce existing congestion issues at Butt Street by allowing a number of vehicles to exit Butt Street on each signal cycle rather than waiting for a break in the traffic on Murphy Road, thereby reducing the wait time and delays for motorists.</p>
Concern with the number of signalised intersections causing traffic to stop/start.	<p>The new signals on Murphy Road at the Butt Street intersection, the Ellison Road intersection and signalised pedestrian crossing near the 7th Brigade Park entrance will work in-sync with the existing signals located at adjoining intersections to ensure efficient traffic flow through the network.</p> <p>Council will continue to monitor traffic in the local area following the completion of the project and will provide further improvements, as required.</p>
Feedback about the proposed new road at Navarre Street.	<p>The existing Navarre Street access road connection to Ellison Road will be closed due to the close proximity to the new signalised intersection at Murphy Road and Ellison Road. To maintain access, the project will provide a new local access road between Navarre Street and Larissa Street which will require the full resumption of two residential properties.</p> <p>The location for the new road was selected as it is mid-block and provides the best access based on the road geometry and safety. Alternative options were investigated but considered not suitable due to safety concerns with restricted sightlines and additional property resumptions.</p>
Request for provision of safe and adequate facilities for both cyclists and pedestrians.	<p>New 1.5 metre-wide on-road cycle lanes will be provided through the Murphy Road and Ellison Road intersection with connection to the existing on-road bike lanes on Murphy Road and Ellison Road.</p> <p>The footpaths on Murphy and Ellison roads will be upgraded to improve safety and accessibility for the area. The new pathways will connect with existing paths in both Marchant Park and 7th Brigade Park.</p>
Request for signalised pedestrian crossings at the four slip lanes at the Murphy and Ellison roads intersection.	<p>Signalised pedestrian crossings will be installed on all four slip lanes. The signals will have amber and red lanterns only, so when the signals are not activated by a pedestrian, traffic in the left-turn slip lane will give way to through traffic.</p>
Concern about loss of parkland.	<p>Council is committed to balancing the need to make improvements to the traffic network with minimising impacts to existing parkland and open space. There will be some impacts to Marchant Park and 7th Brigade Park to allow for the road widening, however Council will ensure there is no net loss of parkland and is investigating additional parkland in the surrounding area. Two pocket parks are also proposed as part of the upgrade, to introduce additional green space into the corridor.</p>

Project benefits

- Enhanced safety for all road users by signalling the Murphy Road/Ellison Road intersection
- Reduced delays and queues at the Murphy Road/Ellison Road intersection for general traffic and buses
- Reduced delays and queues at the Murphy Road/Kittyhawk Drive intersection for general traffic and buses
- Enhanced ability for Murphy Road to fulfil its role in the north Brisbane road network through reduced travel times and crashes
- Improved safety by signalling the Murphy Road/Butt Street intersection
- Formalised signalled crossing facilities for pedestrians, including the Murphy Road/Ellison Road intersection
- An additional pedestrian crossing facility across Murphy Road at Butt Street, which is approximately midway between Ellison Road and Robinson Road West
- On-street cycle lanes on both sides of Murphy Road and Ellison Road
- Off-street parking to offset the loss of informal parking along the Murphy Road verge
- Indented bus bays to maintain traffic flows adjacent to the Murphy Road and Ellison Road intersection
- Better pedestrian accessibility to public and active transport options

Project timing



Council is committed to keeping the local community informed about this project and will provide advance notification of construction timings and impacts closer to the start of construction.

Artist impression of the Murphy Road and Ellison Road intersection



To find out more about this project you can:

- 📞 **phone** the project information line on **1800 669 416**
- 🌐 **visit:** brisbane.qld.gov.au and search 'Murphy Road and Ellison Road Intersection Upgrade'
- @ **email** the project team: cityprojects@brisbane.qld.gov.au
- ✉ **write to:** Murphy Road and Ellison Road Intersection Upgrade Project Team, City Projects, Brisbane City Council, GPO Box 1434, Brisbane Qld 4001.