

Pacific Motorway (M1) Oxenford Interchange (Exit 57) upgrade

Project purpose, features and benefits

- A key priority of the upgrade is to improve motorist safety by reducing queuing on the Pacific Motorway (M1) and improving traffic flow through the interchange.
- The upgrade will deliver several key benefits to improve the safety and efficiency of the motorway and interchange by reducing queuing on the M1 and delivering additional turning and through lanes at the interchange.
- Travel time through the interchange will be improved through better synchronisation of traffic signals.
- The final design uses all available land and the existing bridge structure to maximise the area available to widen the interchange to accommodate additional lanes.
- The design has been developed using 2018 traffic counts to confirm the volume of traffic using the interchange and congestion hot spots at peak hours.

Key features include:

- Additional east and westbound lanes through the interchange will increase capacity, improve traffic flow and ease congestion
- Additional turning lanes off the Pacific Motorway (M1) off-ramps will increase capacity of the interchange, reduce congestion and improve safety of the motorway
- An additional left-turn lane from Heathwood Drive to the interchange will provide two signalised left-turn lanes. This will improve pedestrian safety through provision of signals and alleviate queuing through the intersection which blocks eastbound movements
- More efficient traffic flow by reducing the number of traffic signal phases at the Heathwood Drive/Old Pacific Highway intersection. This will be achieved by removing the right turn movements from:
 - Heathwood Drive to Tamborine-Oxenford Road
 - Old Pacific Highway to the interchange
- Installing a U-turn facility on Tamborine-Oxenford Road to enable westbound traffic to travel east – this will help mitigate the impacts from the removal of the right turn from Old Pacific Highway to the interchange
- Upgrading traffic signals at all intersections – these signals will be synchronised to improve traffic flow through the interchange
- Maintaining existing and installing new on-road cycle lanes connecting Dreamworld Parkway and Siganto Drive
- Installing new directional signage including overhead signs and on-road directional marking

- Provision of on-road Yellow box markings to reduce queuing within the intersections
- Installing energy efficient LED lighting throughout the interchange
- Reinstatement of 100 per cent of solar panel infrastructure which powers the lighting to the M1 underpass beneath the interchange.

Key benefits include:

- Improved traffic times throughout the interchange
- Improved overhead directional signage will provide clear lane allocation resulting in reduced driver confusion
- Traffic signals will be synchronised to improve traffic flow from the interchange to the local road network
- Congestion and queuing on Heathwood Drive will be reduced by providing an additional left turn lane and synchronised traffic signals
- Redistributing motorists from heavily congested Old Pacific Highway to Tamborine-Oxenford Road, which has the capacity to accommodate additional traffic
- Increased traffic signal “green time” – will allow more vehicles to enter and exit the interchange from the western intersection – due to the reduction in signal phases
- Visible yellow box intersection line marking will reinforce ‘no queueing’ areas within intersections
- Pavement direction signage and line marking to reinforce lane allocation for those entering the M1 (for north and south)
- Implementation of a U-turn facility on Tamborine-Oxenford Road to enable motorists to turn around to travel east
- Maximising use of existing road corridor without the need to resume private land
- Resurfacing and line marking of the entire interchange – visual improvement
- Upgrade interchange lighting with energy efficient LED street lights.