



# Bunbury Outer Ring Road

## BORR/Raymond Road Interchange Fact Sheet

### Design update

As the detailed design for BORR progresses there have been some necessary changes to the concept design at the BORR and Raymond Road interchange.

### Bunbury Outer Ring Road design

In the design development phase, it was proposed that BORR, travelling under the Raymond Road Interchange, would be constructed at approximately 2 metres below ground level. After completing the required hydrogeological modelling, it was found that the seasonal waterlogging, which occurs during winter, was a result of the ground water table rising to the surface. To reduce the environmental impacts of disturbing the ground water table, and to maintain historical hydrological flows, it is required that the BORR sits 75 centimetres above ground level.

### Raymond Road Interchange Bridge design

To balance the design adjustment of BORR, the clearance height of the Raymond Road Interchange bridge has been reduced through design optimisations. This will minimise the visual effect on the surrounding environment. Overall, the Raymond Road Interchange bridge will be raised by 1.3 metres, sitting at 9.3 metres above ground level, compared to the previously proposed 8 metres.

### Noise mitigation

To reduce noise effects on surrounding areas, we have included a 4 metre high noise wall along the Raymond Road exit ramp travelling north. These design changes have been taken into consideration when completing the noise modelling at nearby properties.

### Street lighting

LED lighting will be used at the BORR/Raymond Road Interchange. Warm yellow lights (which have a lower colour temperature) will be used instead of higher temperature neutral white lights, typically used on main roads. This will minimise the potentially disruptive effects to people caused by blue light at night.

Lighting on the bridge has been kept to a minimum while maintaining safety standards. There will be no additional feature bridge parapet lights at the Raymond Road Interchange. At this stage, we are not expecting additional light spill measures to be employed due to screen planting and landscaping, but if required, shielding may be installed on light posts after construction is completed.

### Urban design and landscaping

Screen planting, street tree planting, and revegetation will occur along Raymond Road. This will soften any possible effects on visual amenity in the surrounding area. Local native species will be planted to best suit the local habitat. For revegetation, multilevel planting using native shrubs, ground cover and trees will be used.

### More information

If you have any questions about these changes, please contact Main Roads on **138 138** or by emailing [enquiries@mainroads.wa.gov.au](mailto:enquiries@mainroads.wa.gov.au).

## Elevation of BORR/Raymond Road Interchange



## Elevation of BORR/Raymond Road Interchange facing east



## First person perspective of BORR/Raymond Road Interchange from Trendale Road



## First person perspective of BORR/Raymond Road Interchange from Ranson Drive



**\*Images are for illustrative purposes only**