



Australian Government



mainroads
WESTERN AUSTRALIA

REID HIGHWAY INTERCHANGES PROJECT

ALTONE ROAD AND DRUMPELLIER DRIVE /
DAVIOT ROAD



Reducing congestion, improving safety and traffic flows by replacing two traffic light intersections at Altone Road and Drumpellier Drive / Daviot Road. Facilitating more efficient, reliable movement of freight and enhancing cyclists' access to the Swan Valley.

Main Roads is constructing two new bridged interchanges on Reid Highway at Altone Road and Drumpellier Drive / Daviot Road to improve safety, traffic flow and urban amenity for residents and tourists, while facilitating more efficient and reliable movement of freight. **This \$225 million project is jointly funded (50% each) by the Australian and State Governments.**



Reid Highway is a strategic east-west route in Perth's north between Marmion Avenue and Roe Highway. These new interchanges represent two of the five signalised intersections on Reid Highway.

What is the current project scope?

The current project scope includes:

- A new bridge on Reid Highway, passing over Altone Road intersection, with connectivity between Altone Road and Reid Highway to be maintained via entry and exit ramps and roundabouts.
- A new bridge over Reid Highway connecting Drumpellier Drive with Daviot Road, with entry and exit ramps onto Reid Highway.
- Modifications to Reid Highway from Altone Road to Arthur Street to support the new interchanges.
- Modifications to the existing Tattler Way roundabout to provide south-bound left in / left out access to residential area.
- A Principal Shared Path (PSP) bridge for cyclists and pedestrians passing over the Altone Road on ramp and

new PSP underpasses beneath the Altone Road off ramp and Daviot Road. These changes will provide an uninterrupted path network from West Swan Road to Malaga Drive.

- Additional noise and screening walls in various locations along Reid Highway.

Interchange design

The concept design for the Drumpellier Drive / Daviot Road interchange is similar to projects recently constructed at Roe Highway and Kalamunda Road and at Roe Highway and Karel Avenue, with connectivity between the highway and the intersecting roads maintained through on and off ramps and a "dog bone" (elongated) roundabout.

The configuration of the Altone Road intersection is similar, however, Reid Highway will flow over, rather than beneath, the new roundabout.

Why is Reid Highway passing over Altone Road but under Drumpellier Drive / Daviot Road?

The designs have been determined by the available space around each intersection and the proximity of residential properties. For instance, elevating Altone Road rather than Reid Highway would have resulted in the bridge being located very close to residents north of Reid Highway.

At Drumpellier Drive / Daviot Road, there is considerably more space to the north and south of the intersection and therefore a bridge passing over Reid Highway is a more appropriate solution in this location.

Improvements for pedestrians and cyclists

The existing Principal Shared Path (PSP) along Reid Highway will be modified to flow freely through each of the interchanges. This will be achieved through construction of a bridge for cyclists and pedestrians passing over the Altone Road on ramp and new PSP underpasses beneath the Altone Road off ramp and Daviot Road. These changes will provide an uninterrupted path network from West Swan Road to Malaga Drive. Some modifications will also be required at each end of the Grandis Road underpass to improve connectivity to the shared path network.

Changes at the Altone Road and Tattler Way intersection

Due to its proximity to the new interchange, the existing intersection of Altone Road and Tattler Way will be modified to provide left in-left out access. As a result, residents living on Tattler Way and nearby streets will be able to access Altone Road in a southbound direction only.

Right turn access from Altone Road into this part of Bennett Springs will remain available via the existing roundabout at the intersection of Altone Road and Bennett Springs Drive. While this change will require road users to travel up to 500m further, the impact on journey times will be negligible.

Managing environmental and Heritage impacts

Some clearing of native vegetation will be required for the new interchanges and associated works, particularly on the south-eastern side of the Reid Highway and Daviot Road interchange. Relevant State and Federal Environmental approvals are in place. Upon completion of the project, the areas around each interchange will be revegetated with native vegetation.

The existing section of the highway passing over Bennett Brook, as well as the Brook itself, will not be affected by the project.

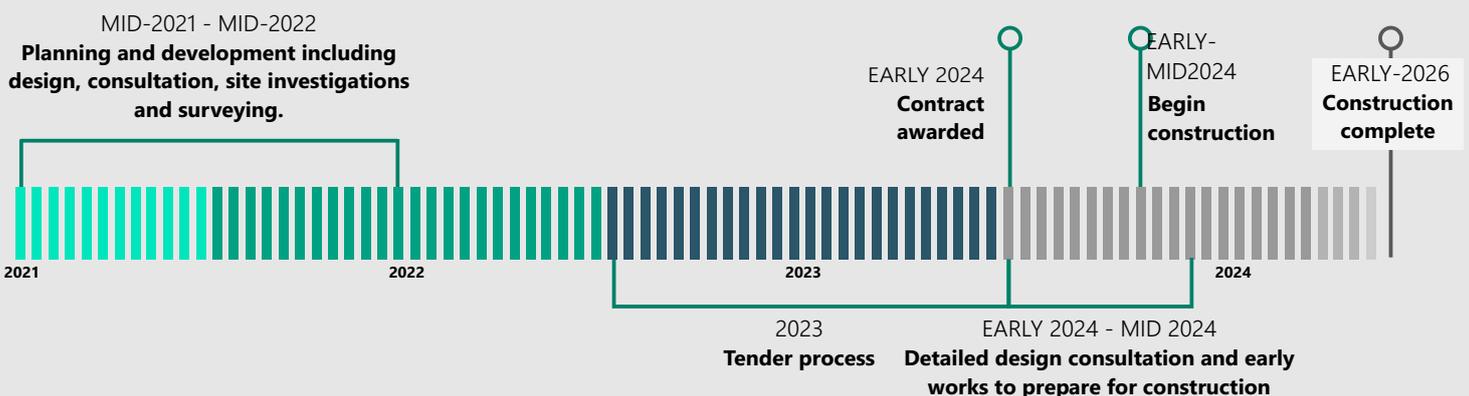
Noise mitigation

The project is being delivered in accordance with State Planning Policy 5.4 (SPP5.4) Road and Rail Noise. Under this policy, Main Roads is required to ensure noise limits at the boundaries of its projects are contained within the established acceptable levels.

The current concept design provides additional noise mitigation along various sections of the highway, where provisional noise modelling indicates noise levels will exceed established parameters by 2041. This includes sections of new noise walls in locations where walls are not currently in place or where existing estate boundary walls do not adequately meet noise abatement criteria.

Finally, the new section of Reid Highway between Altone Road and Drumpellier Drive will also help to reduce noise levels.

PROJECT TIMELINE



Managing traffic during construction

The project will be carefully staged to ensure traffic impacts on Reid Highway and the intersections of Altone Road, Drumpellier Drive / Daviot Road are minimised as far as possible. A staging plan and construction methodology will be carefully developed by the contractor and implemented on site. All impacts to the road network during construction will be communicated to the community in advance.

Managing construction impacts in the community

As part of the project construction works, the prospective Contractor will implement measures to ensure vibration and dust are minimised as far as is practicably possible. Vibration will be monitored to ensure the project does not exceed compliance levels. In addition, the Contractor will be undertaking precondition surveys of buildings and structures located within 100 metres of the project boundary before construction commences to establish the condition of all properties and structures that may be affected by construction activities.

Property owners will be encouraged to engage with the contractor on an ongoing basis if any changes to the condition of their properties become noticeable during the works.



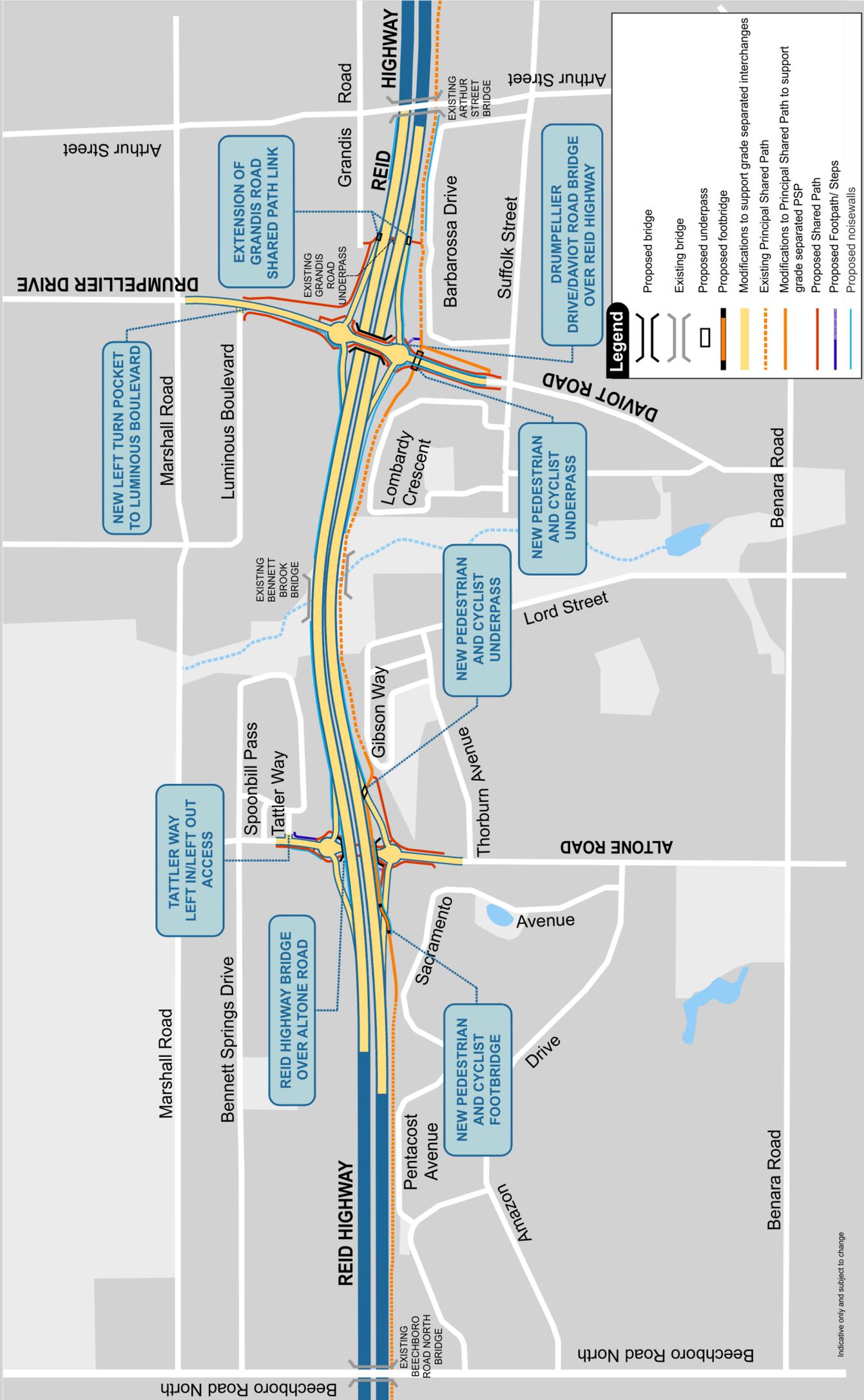
Community engagement

The project team is committed to working with local residents and other interested parties to ensure the impacts of construction can be managed appropriately.

As the project progresses, updates will be provided in the form of regular newsletters, construction updates and roadworks updates.

We will utilise a broad range of communication methods, from e-bulletins and social media, through to hard copy correspondence and face to face meetings. We encourage ongoing feedback from the community, businesses and road users about the progress of the project and will incorporate this feedback wherever possible.





NEW LEFT TURN POCKET TO LUMINOUS BOULEVARD

TATTLER WAY LEFT IN/LEFT OUT ACCESS

REID HIGHWAY BRIDGE OVER ALTONE ROAD

EXTENSION OF GRANDIS ROAD SHARED PATH LINK

NEW PEDESTRIAN AND CYCLIST FOOTBRIDGE

NEW PEDESTRIAN AND CYCLIST UNDERPASS

NEW PEDESTRIAN AND CYCLIST UNDERPASS

DRUMPELLIER DRIVE/DAVIOT ROAD BRIDGE OVER REID HIGHWAY

Legend

- Proposed bridge
- Existing bridge
- Proposed underpass
- Proposed footbridge
- Modifications to support grade separated interchanges
- Existing Principal Shared Path
- Modifications to Principal Shared Path to support grade separated PSP
- Proposed Shared Path
- Proposed Footpath/Steps
- Proposed noise walls

Indicative only and subject to change

For more information and to have your say

For the latest project information, visit our project webpage:
www.mainroads.wa.gov.au/reid-hwy-interchanges

Sign up

Receive project email updates at www.mainroads.wa.gov.au/subscriptions
for the latest news and how to have your say.

Get in touch

You can also get in touch with us on 138 138 or email us at enquiries@mainroads.wa.gov.au

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