



# Kwinana Freeway Upgrade (Roe Highway to Safety Bay Road)

## Concept Design Fact Sheet

Kwinana Freeway continues to be one of the busiest roads in Perth and currently experiences congestion during peak periods. With Perth's population forecast to increase to 3.5 million by 2050, it is important that we plan for the future to ensure our transport infrastructure can support this growth and facilitate economic opportunities over time.

Planning is underway for the upgrade of Kwinana Freeway between Roe Highway and Safety Bay Road. a range of activities have been undertaken including:

- Early design development of road, bridge, pedestrian and cycling infrastructure, and drainage.
- On-site investigations including identifying underground utilities, testing ground conditions and drainage.
- Early concept development for urban landscape and design.
- Environmental and heritage assessments to inform environmental processes and approvals.
- Procurement planning to prepare the project for construction.

These works have informed the development of the project's concept design.

### Concept design released

The project's concept design is informed by a range of environmental, technical and heritage investigations and assessments, and outlines the:

- Configuration and location of additional lanes.
- Principal Shared Path alignment and connections.

- Proposed extent of new or modified noise walls.

[View the concept design here](#)

### New freeway lanes

A range of factors have been considered in determining the location and configuration of the additional lanes including the central rail corridor, existing utilities services, residential areas, structures and bridges, and environmental factors.

The project includes additional lanes in key sections (northbound and southbound) between Roe Highway and Mortimer Road. From Roe Highway to the rail portal north of Thomas Road, road widening will occur towards the verge. From the rail portal to Mortimer Road, road widening will occur toward the central median to reduce impacts on nearby land and properties.

### Cyclists and pedestrians

The existing Kwinana Freeway Principal Shared Path will continue to serve cyclists and pedestrians. Minor realignments will be required near some northbound ramp locations however all existing connections along the project alignment will be preserved.

## Noise mitigation for local residents – Frequently Asked Questions

### How is road noise assessed and managed?

Noise modelling is being undertaken using the project's concept design to forecast noise levels. This preliminary data will inform the design of new (or modified) noise walls.

Once a construction contract is awarded, noise levels will be reviewed and proposed treatments refined as part of the detailed design process.

*State Planning Policy 5.4 – Road and Rail Noise (SPP5.4)* details when and how road noise should be managed in projects. SPP5.4 promotes a reasonable and practical approach, with noise mitigation requirements assessed on a case-by-case basis, considering multiple factors including:

- Trigger distances and predicted noise levels in accordance with SPP5.4.
- Design refinements such as final road alignment and surface treatment.
- The practicality, effectiveness and intrusiveness of proposed treatments.
- Individual property characteristics such as location, elevation, structure type, and proximity to other buildings or noise sources.

### What noise treatments will be provided?

Where noise impacts are identified, additional noise mitigation will be provided. This will include the construction of new noise walls in some areas along the project alignment.

At these locations, the new noise wall will either be constructed in front of an existing wall, or as a standalone structure (where there is no existing noise wall).

New noise walls will be constructed within the existing freeway road reserve. No impacts to residential

properties or existing boundary walls and fences are anticipated.

The **concept design** outlines the proposed extents of new noise walls. This design is subject to change as design development progresses and further technical data becomes available.

Once a construction contract is awarded, noise levels will be reviewed and proposed treatments refined as part of the detailed design process.

### Will landowners be consulted?

Yes, where new noise walls are proposed, the construction contractor will consult with adjacent property owners during detailed design.

## Environment

Limiting impacts to the environment is an important consideration and the project will comply with relevant State and Federal Government requirements.

Vegetation clearing will be required in some areas. These impacts will be minimised as much as possible during detailed design.

Additional investigations will be undertaken to continue to inform the approvals process, design refinement and mitigations.

## Next steps for the project

A construction contract for the project's construction is scheduled to be awarded in mid-2026. As part of this contract, further technical and environmental studies will be completed to inform design refinement and prepare for construction.

## Further information

To learn more about the Kwinana Freeway Upgrade and subscribe to project email updates, visit:

[www.mainroads.wa.gov.au/kf-upgrade](http://www.mainroads.wa.gov.au/kf-upgrade)

For queries regarding the project, please contact us on 138 138 or [enquiries@mainroads.wa.gov.au](mailto:enquiries@mainroads.wa.gov.au).