FAQS

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Australian Government

BUILDING AUSTRALIA

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Swan River Crossings - Fremantle Traffic Bridge

Managing Construction Impacts

The Swan River Crossings Project will replace the existing Fremantle Traffic Bridge, creating a striking gateway to Fremantle (Walyalup) Fremantle. The new bridge will:

- Be built on the existing traffic bridge alignment.
- Maintain two traffic lanes in each direction.
- Improve navigational safety for boats, kayaks and other river users.
- Have new, wider and safer paths (up to four metres wide) on both sides of the new bridge to connect into existing paths for people walking and riding.

What can the community expect?

Construction impacts can include:

- Noise, dust, and vibration associated with construction equipment such as excavators, trucks, graders, compaction rollers, piling rigs, and cranes.
- Night works and associated noise.
- Changed road conditions (e.g. temporary lane and road closures, speed reductions) to safely separate workers and construction activities from the community.
- Increased presence of construction activity in and around the Swan River.
- Increased vehicle movements in the area due to transporting materials and workers to and from work areas.

Most construction work will occur between 7am and 7pm, Monday to Saturday (excluding public holidays). For the safety of road users and workers, and to minimise disruption to daytime traffic, some work is needed at night.

An Out of Hours Noise Management Plan will be prepared in accordance with the Environmental Protection (Noise) Regulations 1997 if night works are needed. This plan is then reviewed and approved by stakeholders, including Local Government Authorities.

Details of out of hours work and impacts will be communicated in advance to businesses, residents, and road users. This includes liaising with businesses regarding alternative access arrangements to assist with business operations.

How will noise be managed during construction?

In accordance with the Environmental Protection (Noise) Regulations 1997, to minimise disturbance, the project will:

- Use the quietest machinery and construction methods wherever possible.
- Regular servicing of machinery to avoid unnecessary noise.
- Using noise monitoring equipment during night works that send immediate notifications to the construction team to prevent exceeding the prescribed limits.

How will vibration impacts be managed?

Construction activities often generate vibration that travels through the ground. Residents living close to the works may feel vibrations. To help minimise impacts, a range of measures are implemented including:

- Operating equipment on the lowest effective vibration setting, where possible.
- Ensuring equipment is well maintained to minimise vibration.
- Considering alternative construction methodologies where possible.
- Using marine spotters during in-river works.
- Placing specialised vibration monitoring equipment, on land and in river, to monitor vibrations to ensure they do not exceed compliance limits.
- Vibration does not necessarily result in structural property damage.

How will dust impacts be managed?

Dust levels will be monitored to comply with the relevant standards for pollutants included within the National Environmental Protection (Ambient Air Quality) Measure as stated in the Environmental Management Plan. Control measures to manage and suppress dust, include:

- Using water carts.
- Applying Dustex on exposed ground.
- Adding hydro mulch to stockpiles and batters that remains in place for extended periods.
- Regular street sweeping to remove excess dirt and dust on public roads.
- Using specialised dust monitoring equipment to ensure levels do not exceed compliance limits.

Further information

For enquiries, please phone 138 138, email enquiries@mainroads.wa.gov.au or click here to learn more about the project. Click here to subscribe for future project updates.