

North-South Corridor Darlington Upgrade Project

Noise Management Fact Sheet

August 2016



The Darlington Upgrade Project is the next step in the upgrade of Adelaide's North-South Corridor.

The project features a 3.3km non-stop motorway between the Southern Expressway and Tonsley Boulevard passing beneath bridges at Flinders Drive, Sturt Road, Sutton Road/Mimosa Terrace and Tonsley Boulevard.

The \$620 million project is jointly funded by Australian and State governments (\$496 million federally funded and \$124 million state funded).

The impact of road traffic noise from the Darlington Upgrade Project will be managed using a combination of three methods:

Noise walls

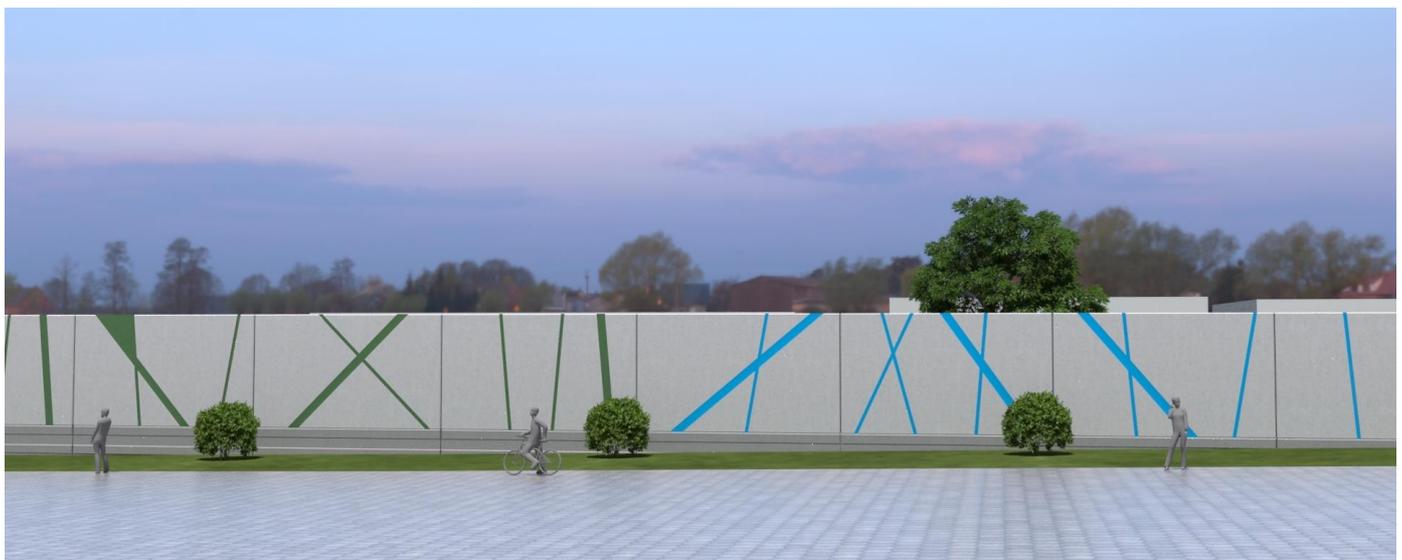
Noise walls will be the primary noise treatment method for the project. They are one of the best ways to reduce traffic noise to nearby properties as they interrupt the path of the noise by providing a barrier between the source of the noise and the receiver.

House treatments

Subject to noise modelling, some residential properties may require additional noise mitigation such as door and window treatments.

Road design

Roads will be designed to reduce noise impacts through the use of low-noise road materials and pavements.



Artist's impression of noise wall



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Transport and Infrastructure

Noise wall location

Noise walls will be installed between the road corridor and residential properties (close to or on property boundaries) in the following locations:

- Between Shepherds Hill Road and Sturt Road (southern side of road corridor)
- Between Sturt Road and Mimosa Terrace (northern side of road corridor)
- Between Flinders Drive and Riverside Drive (southern side of road corridor)

Noise wall design

The noise walls for the project will be constructed of pre-cast concrete panels and will be between 3.5 to 5 metres in height. In some cases, where the road is lower than the property, walls will need to be placed on top of a retaining wall (as per the artist's impression on the front of this fact sheet).

Installation process and timing

Noise wall installation is planned to start between September and December 2016.

Installation as early as possible in the construction program will help to reduce the impacts of construction noise on adjacent residents and the community and will also assist in managing construction scheduling.

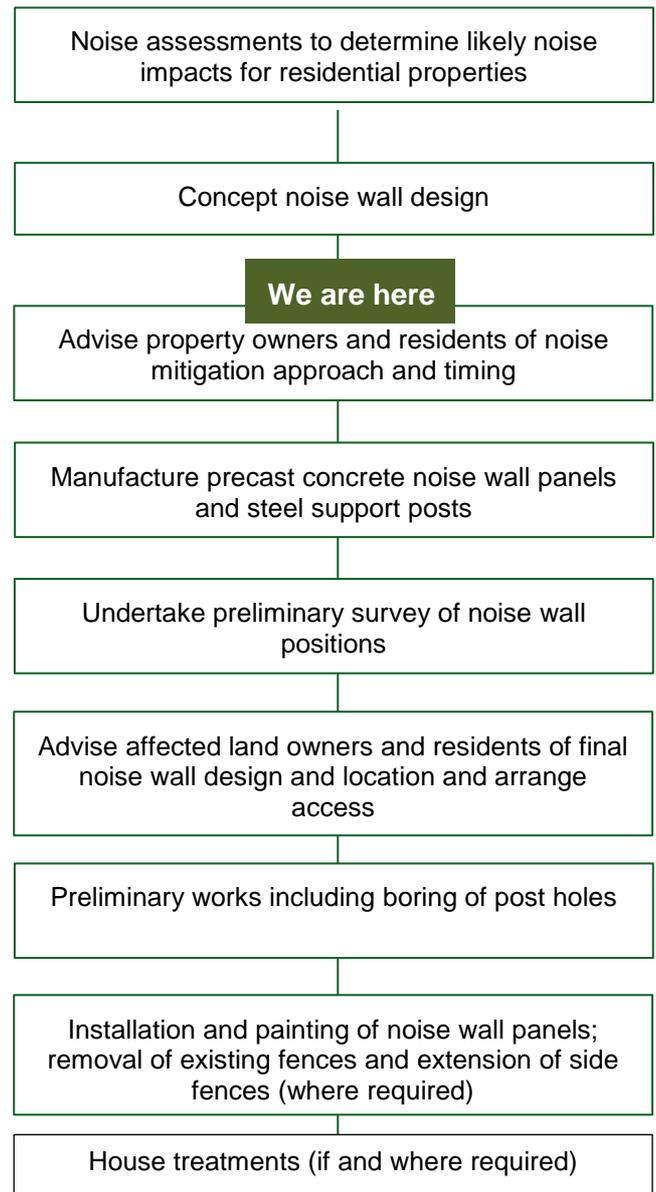
There may be some locations where walls cannot be installed until slightly later in the program due to available space, construction staging and landowner access arrangements.

Noise walls will be installed from the road reserve as much as possible in order to minimise the need for workers to access private properties.

House treatments

Once the detailed design is complete, noise modelling will be undertaken to determine if any residential properties require house treatments.

Noise wall installation process



Next steps

We are currently finalising detailed design and will be talking to affected residents about the noise wall and construction process soon.

For more information

Call: 1300 759 334

Email: enquiries@gatewaysouth.com.au

Visit: infrastructure.sa.gov.au/darlington



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