

ARTIST'S
IMPRESSION

T2D Project Urban Design Strategy

The Urban Design Strategy (UDS) is the guiding document to ensure high-quality urban design, landscape and public realm outcomes are achieved for the River Torrens to Darlington (T2D) Project.

On major infrastructure projects, good urban design should deliver great places for people to live, work and play in, while also minimising impacts to surrounding communities.

The UDS has been informed by government policies and strategies, local area analysis and community and stakeholder engagement to ensure that T2D Project works respond sensitively to their surrounds, enhance local features and complement the existing character of the area.

The UDS sets out an overarching urban design vision, urban design principles and objectives which apply corridor-wide to all T2D Project works, regardless of nature, scale or location.

It outlines design requirements to ensure a high quality outcome is delivered that responds to the local environment.

The UDS is a contractual document intended to provide consistent guidance to our delivery partners, through different design phases of the T2D Project lifecycle.

Oaklands Crossing, Adelaide



Urban design vision

More than a motorway

The T2D Project will deliver an outstanding urban design that provides great journeys for everyone and leaves a positive legacy of greener, connected communities where people want to live, work and visit.

Urban design principles

Five urban design principles outline how the urban design vision will be successfully achieved:

1 Connect people and place

The T2D Project makes new and improved connections as part of an integrated transport system that seamlessly connects into existing networks.

2 Support great journeys

The T2D Project provides positive journey experiences that are safe, efficient, comfortable, easy to navigate and enjoyable for everyone.

3 Create greener, resilient places

The T2D Project creates cooler, greener and more resilient landscapes through green infrastructure, water and biodiversity sensitive urban design and enhancements to existing natural systems.

4 Enable opportunities

The T2D Project connects to existing infrastructure and enables new economic, social and environmental opportunities for local businesses, surrounding communities and visitors.

5 Celebrate culture and place

The T2D Project respects and celebrates the important heritage of the Kaurna peoples and draws on local character and history to acknowledge the past and design for the future.

The Urban Design Strategy contractually applies to all works within the T2D Project area.

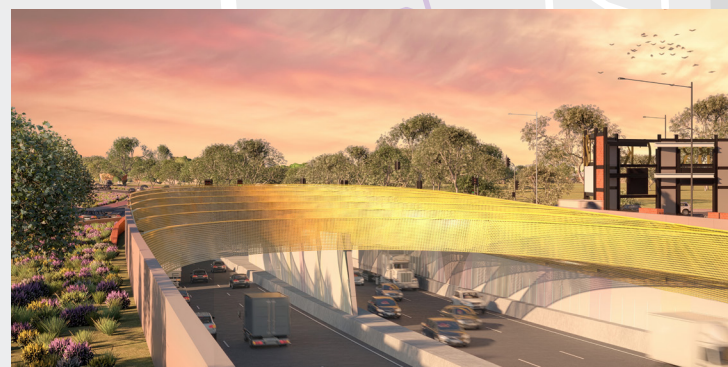
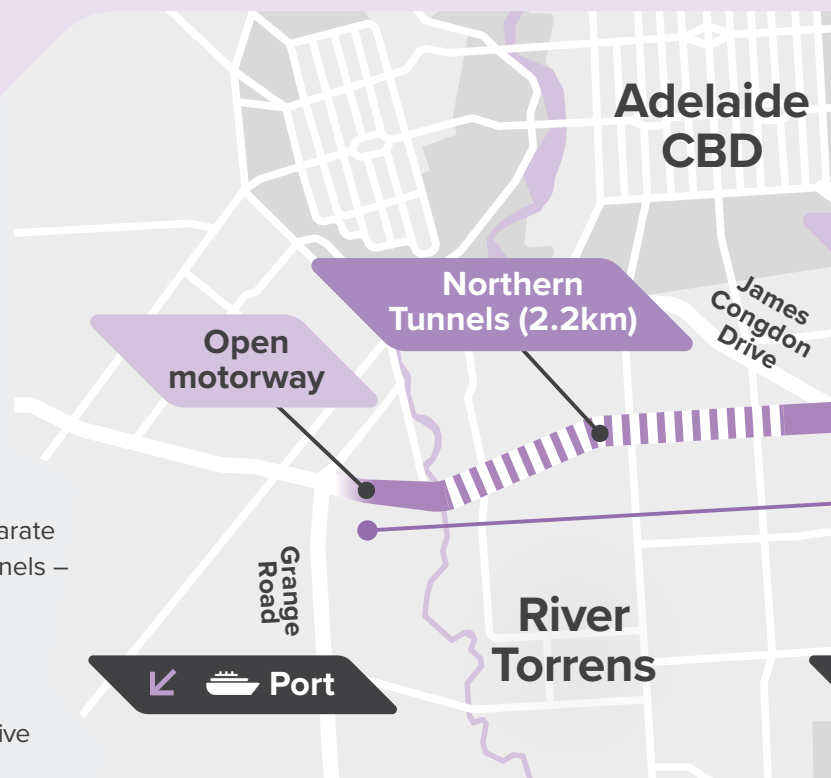
The T2D Project area includes the land required to construct the motorway, surface roads and supporting above-ground infrastructure, as well as the tunnels constructed underground.

The T2D Project involves the construction of two separate tunnels – the Southern Tunnels and the Northern Tunnels – that will be connected by an open motorway. It also includes two short motorways on either end, that connect to the existing motorways.

The **Northern Tunnels** run between James Congdon Drive and the existing open motorway south of Grange Road. They include about 2.2km of twin three-lane tunnels.

The **open motorway** connects to key routes such as Richmond Road and James Congdon Drive. At just over 2.5km in length it will provide critical east-west connectivity and links to key destinations such as the airport.

The **Southern Tunnels** run between the open motorway at Darlington to just south of Anzac Highway in Glandore and provide key connectivity to Anzac Highway. They include about 4km of twin three-lane tunnels.



Northern Tunnels entrance

Place outcomes and requirements

Place outcomes and requirements set location specific design guidance for different sections of the T2D Project, describing what must be achieved and where.

Each T2D Project section must be designed and delivered to achieve all place outcomes and requirements, including at specified locations.

Place outcomes describe the overall urban design aspiration to be achieved for each T2D Project section, in response to the local environment.

These are supported by more detailed place requirements that set out how the desired outcomes should be achieved.

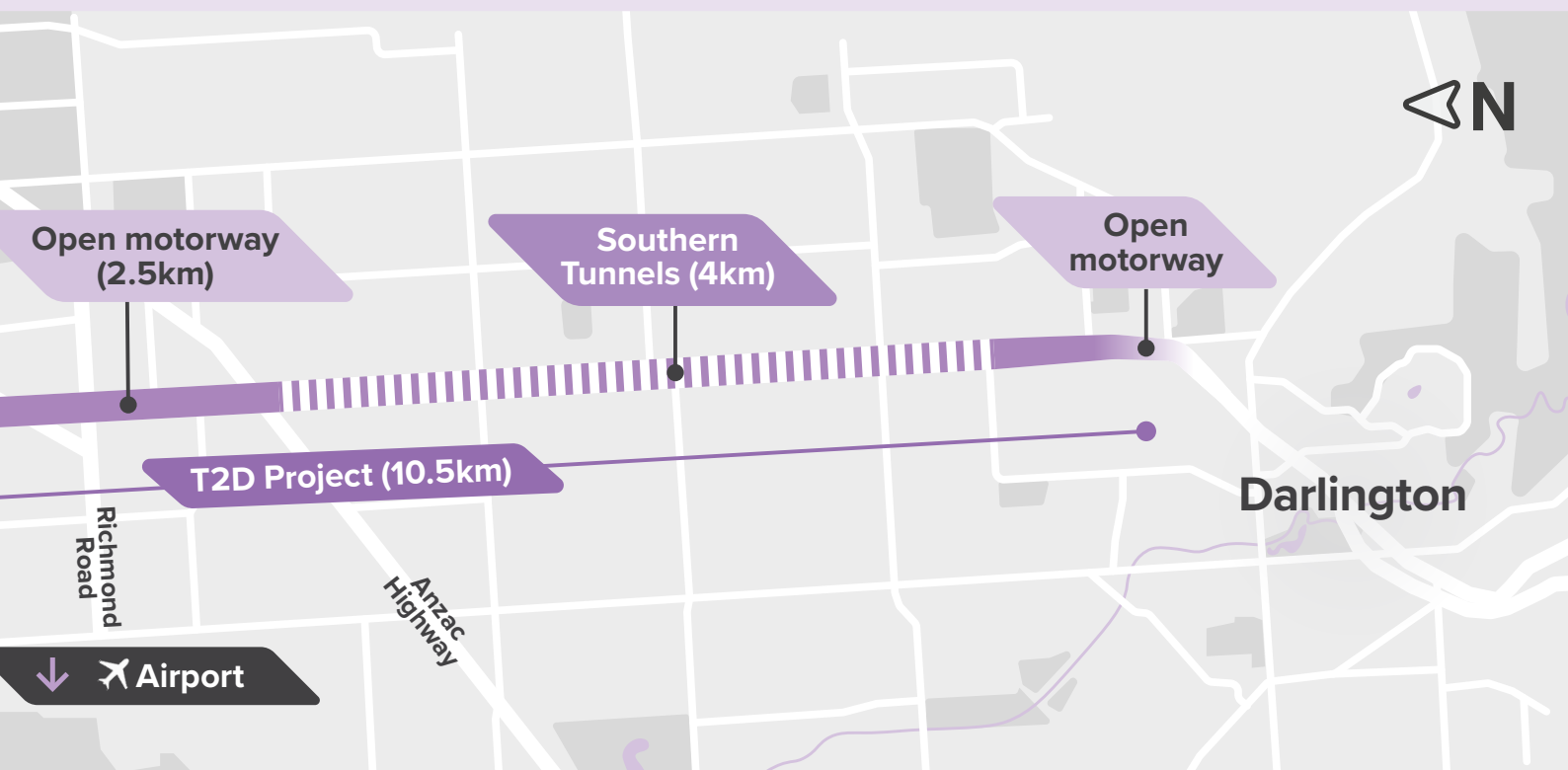
Place requirements directly respond to the local environment, identifying design opportunities and constraints. They have been developed based on analysis of existing conditions and engagement with local councils, communities and other stakeholders.

For example a place outcome is

Crossings of the T2D Project are provided to prioritise local access to key destinations, including Richmond Primary School, Black Forest Primary School and the Tennyson Medical Centre.

A place requirement to help achieve this outcome is

Maintain local access and connectivity to Black Forest Primary School, including a dedicated crossing of South Road and associated traffic management such as kiss and drop facilities.



Open motoway / Anzac Highway



Southern Tunnels entrance / Tonsley Boulevard

Designing specific project elements

The T2D Project will be designed and delivered as a combination of individual project elements, both above ground and within the tunnels.

Some project elements will be designed to be consistent across the corridor, while others will vary, reflecting the identity of the local area. The design of T2D Project elements will respond to the diverse needs, journeys and experiences of the people that use and interact with them.

Benchmark projects from around Australia and internationally helped illustrate the performance standards and design quality to be achieved.

The UDS outlines the overall design aspiration for each project element. It also includes specific requirements to explain how this design aspiration might be achieved, including the expected quality of the outcome.

The UDS purposefully doesn't prescribe what each project element must look like. This will be determined as part of the detailed design process from mid 2024 to late 2025.

As part of this detailed design process, there will be an opportunity for further community engagement to help inform the design of key elements.



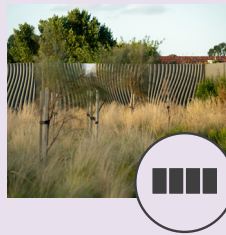
Bridges, overpasses and underpasses

- Road bridges and overpasses
- Lowered roads and underpasses
- Active travel bridges
- Land bridges



Tunnels, portals and ancillary buildings

- Tunnels portals and approaches
- Tunnel interiors
- Buildings and ancillary structures



Barriers, walls, fences and screens

- Noise barriers
- Walls, fences and screens



Road furniture and streetscapes

- Road signage and furniture
- Streetscapes and public realm
- Active travel and public transport
- Lighting



Landscape and open space

- Landscape design
- Parks and open space
- Planting
- Water sensitive urban design

We speak your language




Need information in your language? Call the Interpreting and Translating Centre on:  1800 280 203

For more information

-  1300 951 145
-  T2D@sa.gov.au
-  T2D.sa.gov.au

Meet with the team face-to-face

Visit the T2D Project website for more information on pop-up locations and opening times of the Community Information Centre, where you can meet the project team.

 **Community Information Centre**
290 South Road, Hilton



Australian Government



Government of South Australia
Department for Infrastructure and Transport

T2D TORRENS TO DARLINGTON