



# Torrens to Darlington (T2D)

Reference Design | December 2021

## Building the missing link

Set to unlock Adelaide's traffic network, the Torrens to Darlington (T2D) Project is the final 10.5 km section of the North-South Corridor.

Using a combination of tunnels, lowered and surface-level roads, as well as overpasses and underpasses at key intersections, the T2D Project will create 78 km of non-stop traffic light-free motorway between Gawler and Old Noarlunga.

By moving thousands of vehicles into tunnels, and bypassing 21 sets of lights, the T2D Project will connect communities across Greater Adelaide. It will ensure people, produce and products arrive where they need to be, sooner and safer, making the T2D Project a positive contribution to business, employment, education and the lives of South Australian families.



The preferred T2D design will save up to **480** homes from being acquired

## What is a Reference Design?

The Reference Design provides further vital information on the development of the Project, including:

- detailing the overall Project area
- using the traffic modelling to confirm numbers of lanes and connectivity with the road network to ensure safety and functionality
- confirming construction methodology and traffic flow during construction
- preliminary analysis of social and environmental investigations.

All of this leads to the Project's Final (detailed) Design, which will guide construction.

## Developing the design

The T2D Project team has employed expert analysis and high-tech studies to design more than a series of tunnels and motorways.

Extensive investigation and studies across areas such as noise, geology, air quality, soil, groundwater and traffic have resulted in vast amounts of data informing our design.

We have also engaged broadly with key stakeholders to understand the issues that matter most to them to further inform the design process.

Our design protects more than 50 important cultural sites, opens our suburbs up to new recreational spaces and reduces the extent of property acquisition.

Extensive traffic modelling to study patterns and congestion, allowed us to focus on improved connectivity – not just north-south, but east-west.

These in-depth investigations – coupled with international and local road design expertise – have resulted in a purposeful, deliberate and informed design that meets all technical, safety and road performance requirements.

## The chosen design

The Project's Reference Design includes four key sections:

The **Southern Tunnel** joins the recently completed Darlington Upgrade Project to Anzac Highway. This section includes approximately 6 km of motorway, including about 4.8 km of twin three-lane tunnels, and a new elevated ramp connecting the motorway to Anzac Highway.

The **Tunnel Connector** links the Southern and Northern tunnels via a 2.1 km open motorway. Connecting to key routes such as Anzac Highway and Richmond Road, this section will provide critical east-west connectivity and links to key destinations such as the CBD and airport.

The **Northern Tunnel** section consists of 2.2 km of twin three-lane tunnels between Sir Donald Bradman Drive and Torrensville.

The 1.2 km **Torrens Connector** will join the Northern Tunnel to the completed Torrens Road to River Torrens Project, crossing over the River Torrens with an elevated section of northbound road.

## The T2D Reference Design meets all technical, safety and road performance requirements

### Contact us

 1300 951 145

 [T2D@sa.gov.au](mailto:T2D@sa.gov.au)

Connect with us on social media for updates



## Key features of the Reference Design

Our T2D design will deliver a number of key features that will optimise the opportunities for the Project, including features that have never before been used in South Australia. These include:

- two twin-tunnels at the Northern and Southern ends of the Project
- an elevated ramp connecting to Anzac Highway
- upgrades to six major east-west connections across the corridor
- brand new cycleways and pedestrian walkways.

## Keeping you informed

The T2D Project is being delivered by the Department for Infrastructure and Transport and we're committed to keeping everyone informed. We will provide regular updates through direct mail, email notifications, social media and face-to-face community activities.

If you would like to learn more about the T2D Project, please sign up to receive our electronic updates or download one of our fact sheets at:

[dit.sa.gov.au/torrenstodarlington](http://dit.sa.gov.au/torrenstodarlington)



T2D will reduce congestion on the surface roads with **130,000** vehicle movements in the underground tunnels

### We speak your language

Need an interpreter? Call the Interpreting and Translating Centre on **1800 280 203**



#### Arabic

Interpreting and Translating Centre هل تحتاجون مترجماً؟ اتصلوا بمكتب  
Centre على الرقم 1800 280 203

#### Madarin

需要口译员吗？请拨打口译与翻译中心电话 1800 280 203

#### Greek

Χρειάζεστε διερμηνέα; καλέστε το Κέντρο Διερμηνείας και Μετάφρασης στο 1800 280 203

#### Hindi

दुभाषिया चाहिए? 1800 280 203 पर इंटरप्रैटिंग एंड ट्रांसलैटिंग सेंटर को कॉल करें

#### Italian

Ti serve un interprete? chiama il Interpreting and Translating Centre al 1800 280 203

#### Vietnamese

Cần thông dịch viên? Hãy gọi Trung Tâm Thông Dịch và Phiên Dịch (Interpreting and Translating Centre) qua số 1800 280 203



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