## South Australian Road Transport Association

18 October 2025

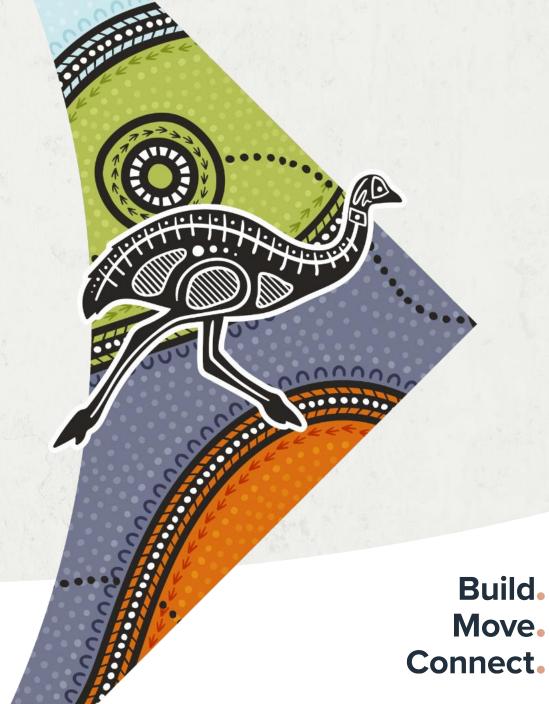
**Andrew Excell, Deputy Chief Executive** 



#23871981

Move.
Connect.

We acknowledge the Traditional Custodians of the Country throughout South Australia and recognise their continuing connection to land and waters. We pay our respects to the diversity of cultures; significance of contributions and to Elders past, present and emerging.





### **Strategic Outcomes:**



**Connected and Accessible** 



Safe



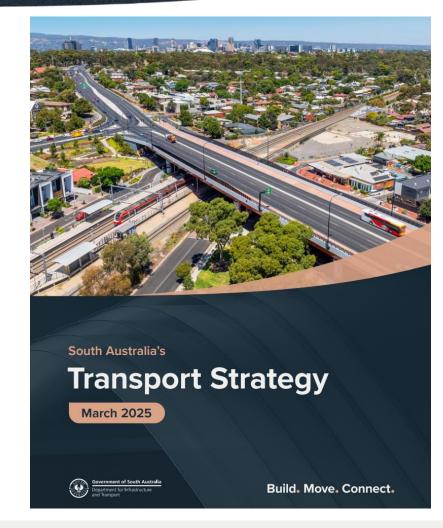
**Prosperous** 



Liveable



**Sustainable and Resilient** 





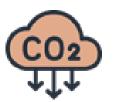
## Key trends shaping our transport future



A changing economy



A growing and changing population



Reaching Net Zero emissions



**Supporting Regional Connectivity** 



Responding to advancing technology



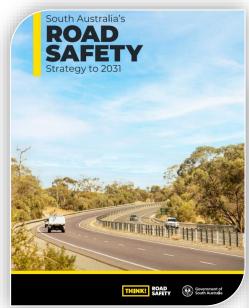
Safety in everything



A growing and aging asset base

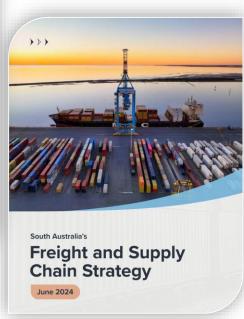


### Sub - Strategies



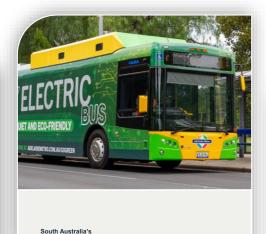
**Road Safety Strategy** 

Released in December 2021



Freight and Supply Chain Strategy

Released in June 2024



## The Public Transport Strategy

**Public Transport** 

Strategy

In development

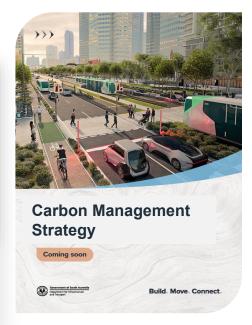


## Active Transport and Personal Mobility Strategy

**Personal Mobility** 

Strategy Coming Soon

In development



## The Carbon Management Strategy

In development





#### OFFICIAL

## River Torrens to Darlington (T2D) Project \$15.4 billion (50:50) – Main Works Scope Summary

- 10.5 km of new three lane motorway.
- Southern Tunnels (4.5km) and Northern Tunnels (2.1km) constructed using three, approximately 15m diameter Tunnel Boring Machines.
- 25 bridge structures.
- Approx. 10km retaining walls required to support the lowered motorway.
- Urban design providing 26 hectares of new parkland, 178,000 new trees, 3 hectares water basins and wetlands, 23km Shared Use Paths.
- Creating a non-stop South Road.









## T2D Initial Project timeline

Mid

2025

Q4

2025

Q4

2025

### **Precast Yard**

Precast facility construction starts

First tunnel segment produced

### **Surface works**

Southern Tunnel Motorway Works (Clovelly Park) commence

Central connector Motorway
Works (Glandore to Richmond)
commence

Northern Surface Works (West Thebarton) commence

### **Tunnelling**

May 2025 Southern Tunnel TBM launch box construction commenced

Late 2025

First TBM arrives

Q3 2026 Two Southern Tunnel TBMs commence

Late Q3 2026

Third TBM commences







## T2D Tunnel Boring Machines (TBMs)

#### The TBM's will be:

- Approximately 100 metres in length.
- Diameter of approx.14.7 metres.
- Delivered to Adelaide in modules, with around six months for assembly and commissioning.
- Manufactured in Germany and China, fully assembled and tested in China, then delivered to Adelaide.
- The first of three TBMs is expected to arrive in late 2025.









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## High Productivity Vehicle Network (HPVN) \$1.05 billion



Funding announced in the 2025-26 Federal Budget to deliver Stage 1 of the High Productivity Vehicle Network.

#### Stage 1 includes:

- Swanport Bridge duplication.
- Monarto interchange and rail level crossing upgrades.
- Upgrades to Greater Adelaide Freight Bypass (overtaking lanes, road widening, intersection upgrades).
- Truro Bypass with dual carriageway.

The Department is progressing project-based business cases for the above works, expected to be completed Quarter 3 2026.

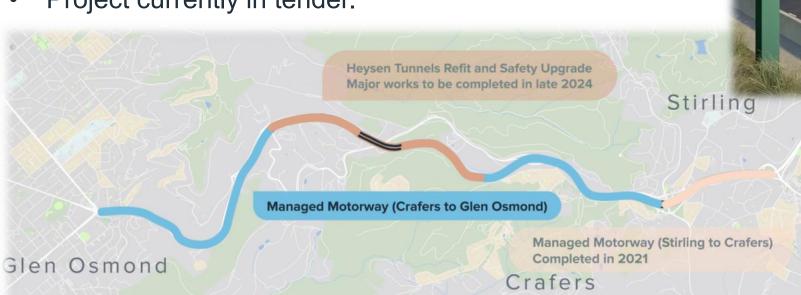






# South Eastern Freeway Upgrade – Managed Motorway (Crafers to Glen Osmond)

- The Australian and South Australian governments have committed \$200 million (50:50) to deliver a managed motorway between Crafers and Glen Osmond.
- ITS design underway.
- Project currently in tender.



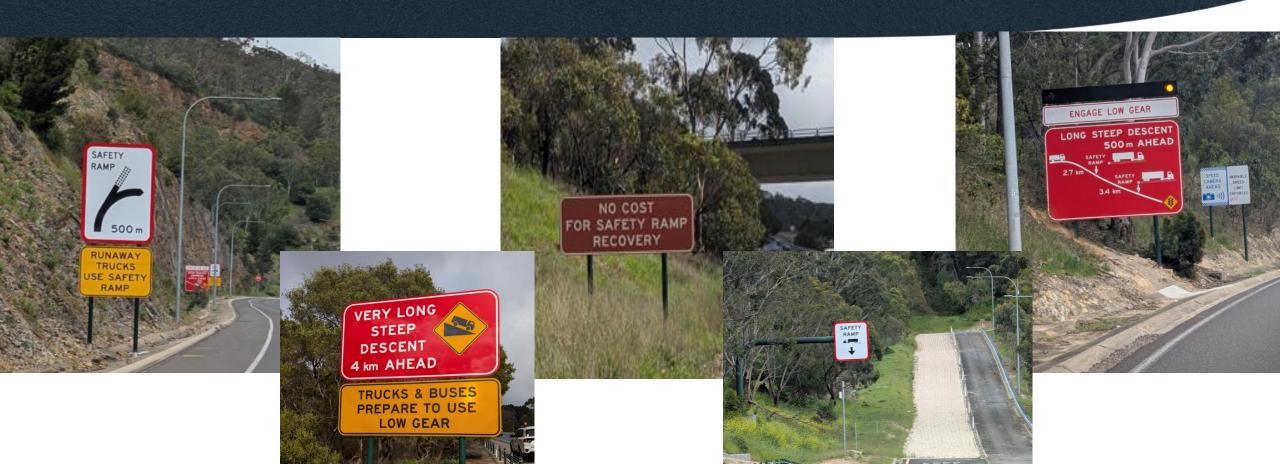








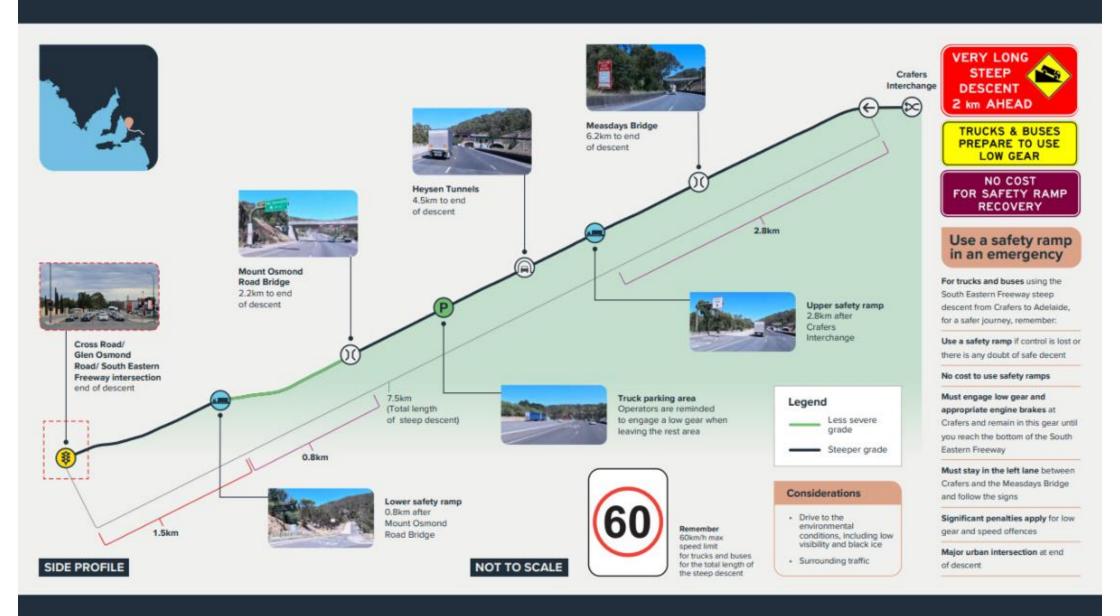
## South Eastern Freeway Heavy Vehicle Signage Upgrade







### Key features along the South Eastern Freeway descent - Crafers to Glen Osmond



## Adelaide Hills Productivity Package \$150 million (80:20)

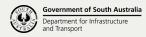
Aims to upgrade some of the region's key strategic arterial roads to support economic growth and road safety.

The package comprises of the following corridors:

- North East Road/Torrens Valley Road Houghton to Mount Pleasant (\$28m).
- Onkaparinga Valley Road Birdwood to Verdun (\$12m).
- Mount Barker Road/Strathalbyn Road Stirling to Strathalbyn (\$30m).
- Norton Summit Road/Lobethal Road/Mount Torrens Road – Teringie to Mount Torrens (\$47m).









## Main South Road Overtaking Lanes \$111.8 million (50:50)



- Three overtaking lanes between Cape Jervis and Normanville.
  - Construction to start late 2025.
  - > Completion end 2026.
- Two new overtaking lanes and curve widening between Normanville and Myponga.
  - Planning commenced.







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# Majors Road Interchange Project \$120 million (50:50)

#### Southern Expressway driving northbound





Majors Road heading westbound







## Main South Road and Victor Harbor Road Duplications \$810 million

Main South Road Duplication Project – Seaford to Aldinga to Sellicks Beach Victor Harbor Road Duplication Project – Main South Road to McLaren Vale Turnoff



Aldinga Interchange looking North-West



Norman Road and Rogers Road intersection looking South-West



Main South Road and Sellicks Beach Road looking South-West







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## Mount Barker and Verdun interchanges \$150 million (80:20)

#### Mount Barker Interchange



#### Verdun Interchange









## Curtis Road – Grade Separation \$250 million (50:50)

- Planning Study 2025-2026.
- Procurement 2026.
- Major Construction works commence 2027.
- Completed end 2028.









# Tram Grade Separation Projects \$870 million (50:50)

#### **South Road Tram Overpass Upgrade**



#### Marion Road and Cross Road Level Crossing Removal





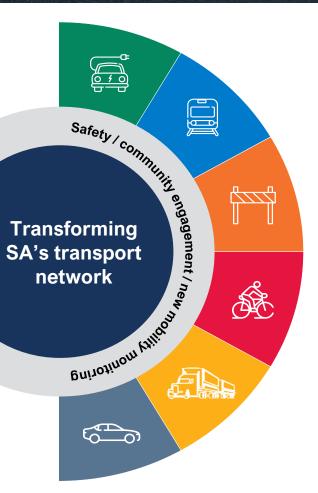
Morphett Road Level Crossing Removal







# Transport Planning Program – 2025-2026 (\$15 million - \$20 million)



## **Adelaide North Planning Studies & Options Analysis**

- Angle Vale Road.
- Kings Road.
- Womma Road.
- Horrocks Highway (Roseworthy to Gawler).

#### **Resilience Strategy Development**

- Resilience Framework.
- Murray River Flood resilience planning.

## Zero emission fleet replacement and supporting depot upgrade Full Business Case

Depot reference and preliminary design.

#### **Pedestrian Safety**

 Pedestrian Actuated Crossing Planning and Design - 12 sites.

**Transport Studies -** Planning studies & concepts.

#### **Strategy development**

 Active Travel and Personal Mobility Strategy.

#### Area planning

- Adelaide Metropolitan Transport Study.
- Limestone Coast Area Plan.
- Network Safety Plan.

#### **Supply chain studies**

Container Supply Chain Study.

#### **Rail Strategic Studies**

 Adelaide Rail Network Plan and Strategic Program Business Case.

#### **Rail Extension Studies**

Adelaide Railway Station Capacity Study.

#### **Level Crossing Removal Studies**

- Woodville Road
- Trimmer Parade







## Cooper Creek Barge

- Floodwaters flowing along the Cooper Creek inundated the Birdsville Track near Etadunna in early June 2025.
- The Track is expected to be closed for six to nine months until floodwaters recede.
- The Australian and South Australian governments are jointly funding the construction and operation of a barge at the Cooper Creek crossing.
- The project is expected to cost \$27.4 million and is funded on a 50:50 basis.
- The barge will support the transport of livestock and supplies and provide for community connectivity and tourism.
- The barge is owned by the South Australian Government and will be available to support future events.

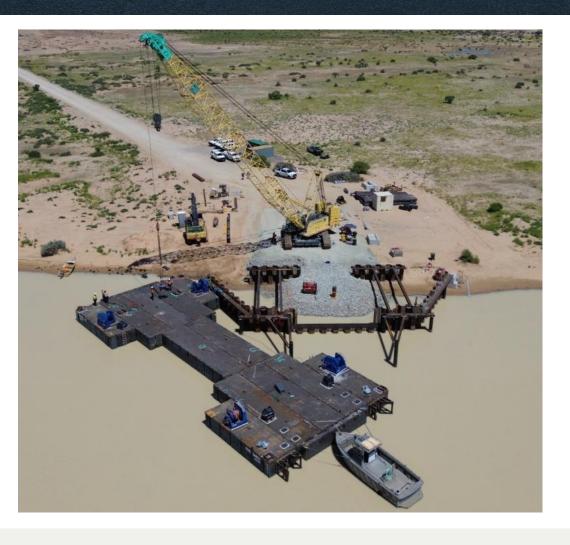








## Cooper Creek Barge



- The barge is on schedule to begin services in late October.
- Initial services will be for livestock transport only, with services opening for other vehicles towards the end of the first week in November.
- Bookings will be via an online system

### **Barge Specifications**

Length: 37.6 metres (excl. on / off ramps)

Width: 15 metres (widest point)

#### Capacity:

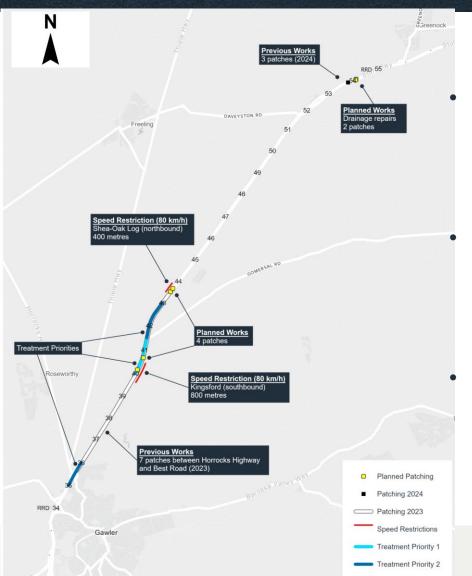
- 8 x 4WD vehicles; or,
- 1 x B-Double; or 1 x A-Double (subject to performance testing)







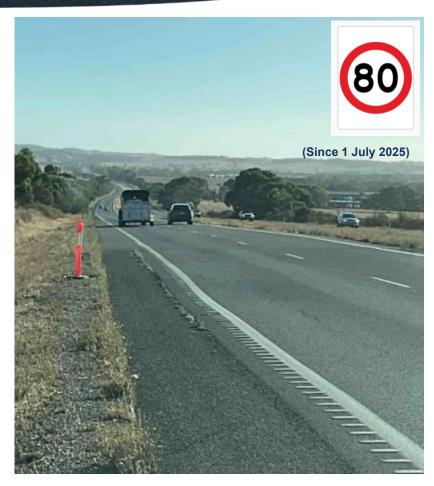
## **Sturt Highway Undulations**



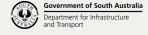
Recurring pavement issues on two sections of the Sturt Highway between Kingsford and Daveyston

Primarily due to soil movement caused by highly reactive clay subgrades with high moisture levels

Speed restrictions have been introduced as a safety precaution

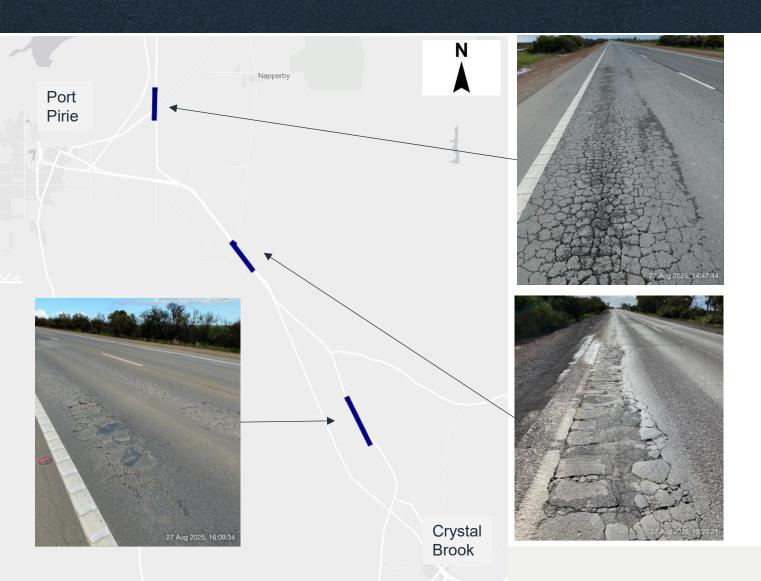


**Sturt Highway Undulation (Shea-Oak Log)** 





## Augusta Highway, Port Pirie to Crystal Brook



## High priority locations for pavement works include:

- North of Georges Road to Port Pirie Junction
- Country Gardens Roadhouse to Warnertown
- Wilkins Highway Junction to the Griegg's Hill Overtaking Lanes



## Heavy Vehicle – Road Operations Access Map



HV-ROAM provides heavy vehicle operators with critical state road asset information to assist journey and route planning.

### The map include:

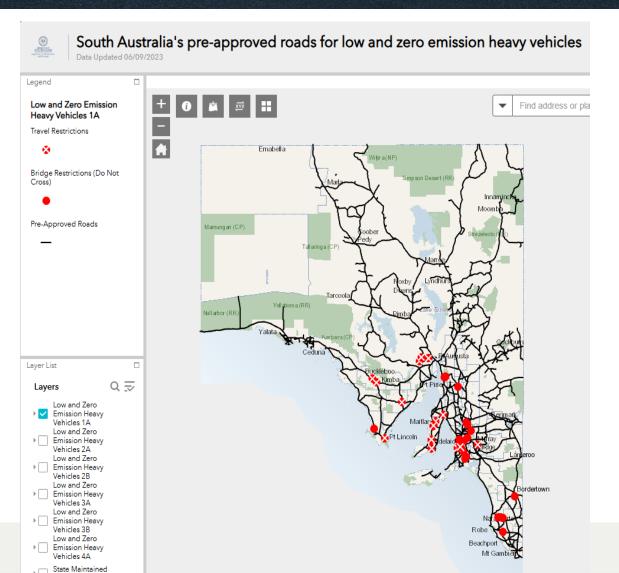
- Traffic SA data
- Steep descent corridors
- Locations of:
  - 1. Level crossings, railways, train and tram overhead wires
  - 2. Dimensional limitations and signage that affects heavy vehicle access
  - 3. Rest areas and SA Power Network wires





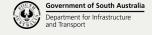


## Low and Zero Emission Heavy Vehicle Trial Scheme



- The Low and Zero Emission Heavy Vehicle (LZEHV) trial scheme was announced in September 2023
- Allows increased mass limits to support the uptake of low and zero emission HVs

Pre-Approved Network	Combination length (metres)	Total Length (kms)
Low And Zero Emission Heavy Vehicle 1A	L≤20	21,629
Low And Zero Emission Heavy Vehicle 2A	20 <l≤26< th=""><th>15,129</th></l≤26<>	15,129
Low And Zero Emission Heavy Vehicle 2B	26 <l≤30< th=""><th>12,488</th></l≤30<>	12,488
Low And Zero Emission Heavy Vehicle 3A	30 <l≤36.5< th=""><th>11,550</th></l≤36.5<>	11,550
Low And Zero Emission Heavy Vehicle 3B	36.5 <l≤42< th=""><th>6,813</th></l≤42<>	6,813
Low And Zero Emission Heavy Vehicle 4A	42 <l≤53.5< th=""><th>4,737</th></l≤53.5<>	4,737





## **Dust signage – Sturt Highway**

DUST PRONE AREA km AHEAD

IN LOW VISIBILITY REDUCE SPEED IN LOW
VISIBILITY
TURN ON
LIGHTS

IN LOW
VISIBILITY
PULL OVER



**BLANCHETOWN** 



## Thank You



Government of South Australia

Department for Infrastructure and Transport

**Build. Move. Connect.**