

Tonkin Highway / Roe Highway Interchange

ABOUT THE PROJECT

Gateway WA Perth Airport and Freight Access Project is the largest infrastructure project ever undertaken by Main Roads WA and aims to improve the safety and efficiency of one of the State's most important transport hubs, where road, rail and air services connect.

The \$1 billion national priority project will create landmark road infrastructure around the Perth Airport and the freight and industrial hubs of Kewdale and Forresterfield.

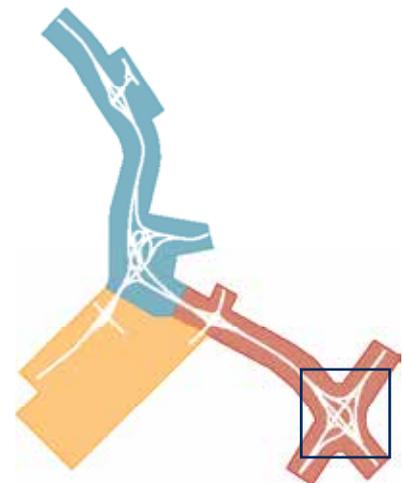
THE NEED TO UPGRADE

As a junction where two major roads converge, the Tonkin Highway / Roe Highway intersection can become extremely congested, particularly during peak periods.

Traffic currently needs to wait at traffic signals to travel in all directions, causing delays and a build up of traffic in the area.

THE FUTURE INTERCHANGE

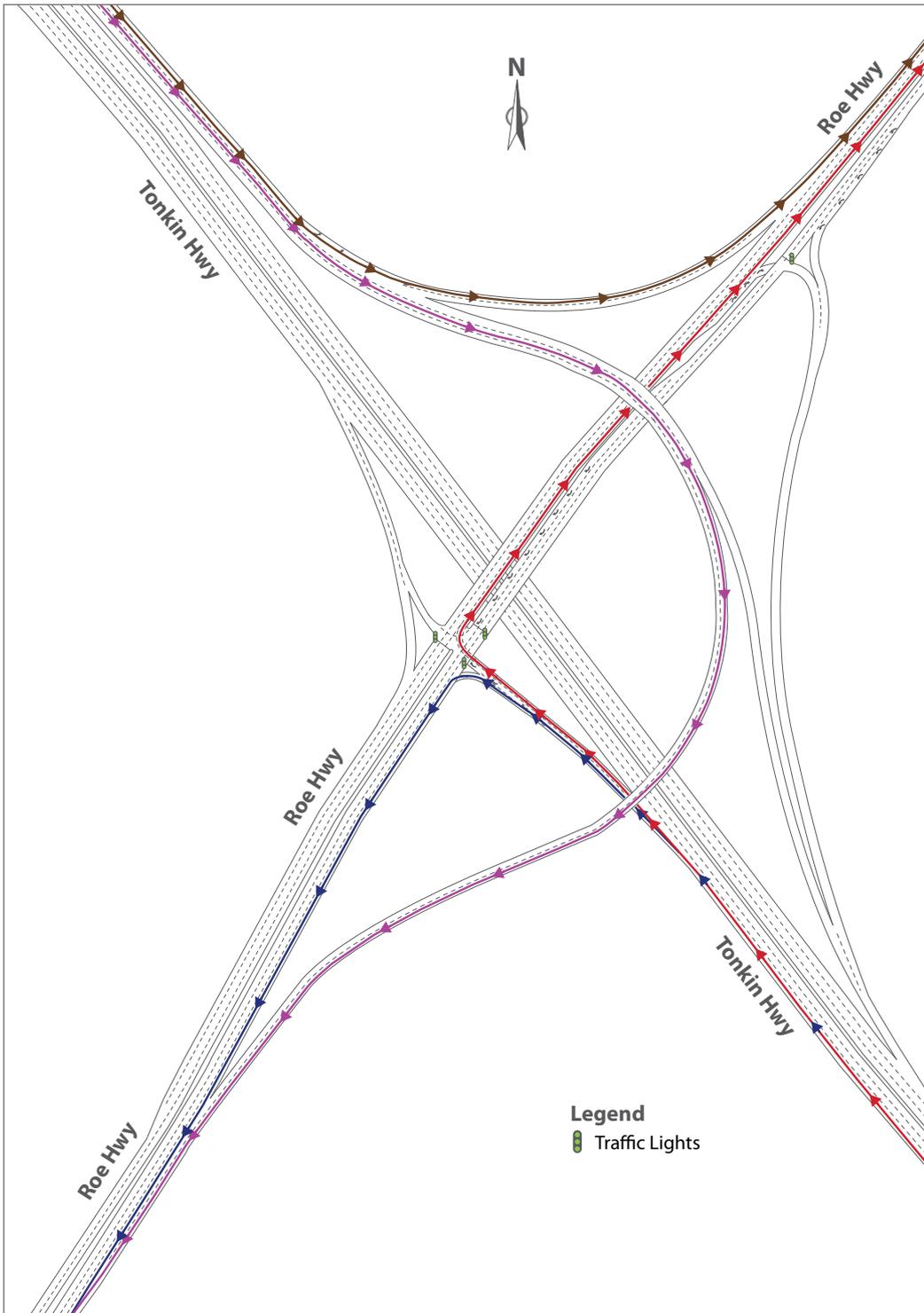
The Tonkin Highway / Roe Highway intersection will be upgraded to a partial free-flow interchange that allows traffic to travel uninterrupted from Tonkin Highway southbound to Roe Highway westbound. The design has catered for a future upgrade to a full freeway to freeway style interchange with movements in all directions to support future growth and development.



Artist's impression of the Tonkin Highway / Roe Highway interchange

TONKIN HIGHWAY/ROE HIGHWAY INTERCHANGE

EASTBOUND AND WESTBOUND MOVEMENTS



Tonkin Highway northbound to Roe Hwy eastbound

- Movement under the control of traffic signals
- 6.5m clearance
- Speed limit 70km/h
- Shared pedestrian/cycle path underpass

Tonkin Highway southbound to Roe Hwy eastbound

- Free flow movement
- Speed limit 70km/h

Tonkin Highway southbound to Roe Hwy westbound

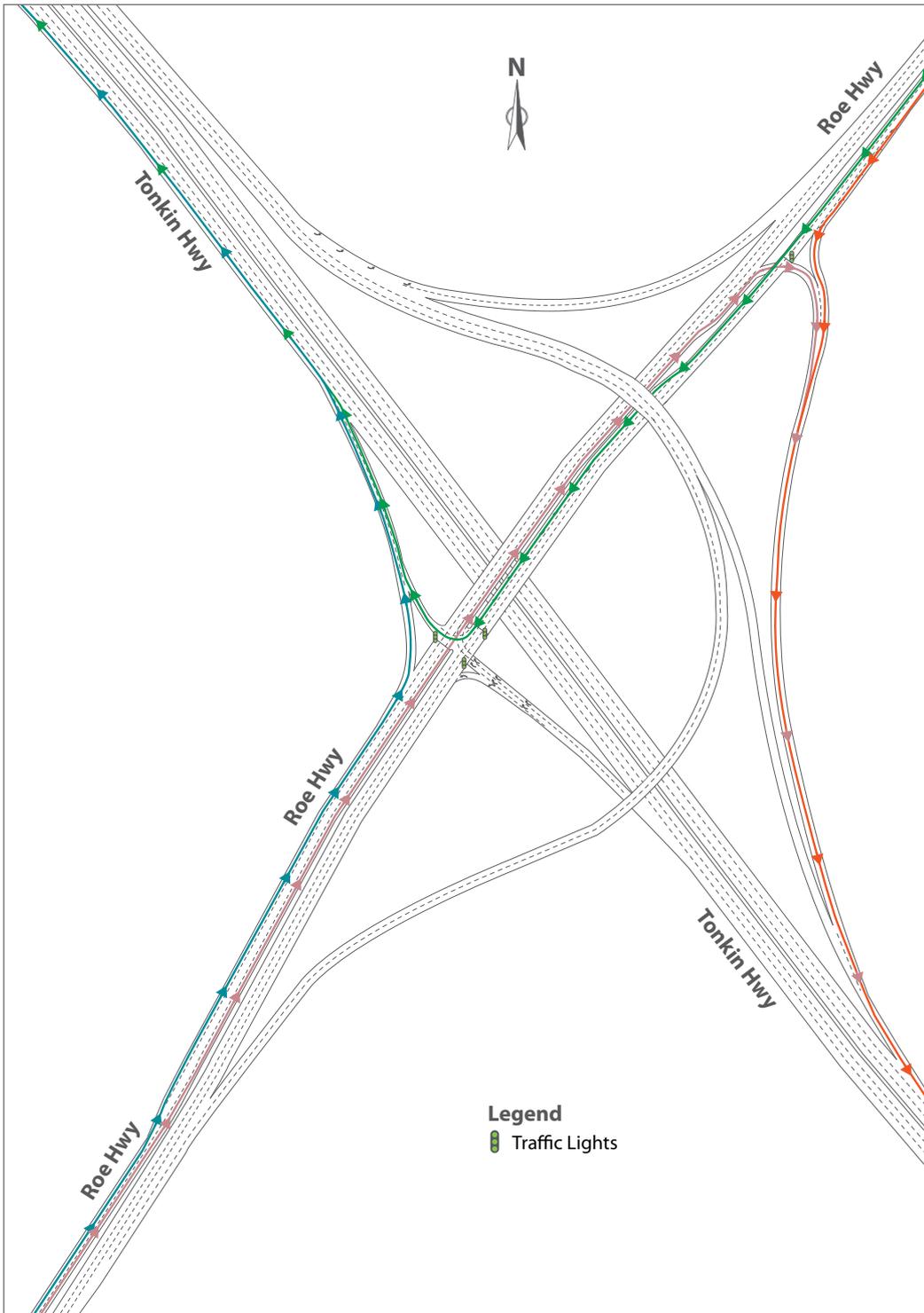
- Free flow movement
- 6.5m clearance
- Speed limit 70km/h
- Shared pedestrian/cycle path underpass

Tonkin Highway northbound to Roe Hwy westbound

- Movement under the control of give way signal
- 6.5m clearance
- Speed limit 70km/h – 80km/h

TONKIN HIGHWAY/ROE HIGHWAY INTERCHANGE

NORTHBOUND AND SOUTHBOUND MOVEMENTS



Roe Hwy eastbound to Tonkin Hwy northbound

- Free flow movement
- Speed limit 80km/h – 100km/h
- Shared pedestrian/cycle path underpass at intersection

Roe Hwy westbound to Tonkin Hwy southbound

- Free flow movement
- Speed limit 70km/h
- Shared pedestrian/cycle path underpass

Roe Hwy westbound to Tonkin Hwy northbound

- Movement under the control of traffic signals
- Speed limit 80km/h

Roe Hwy eastbound to Tonkin Hwy southbound

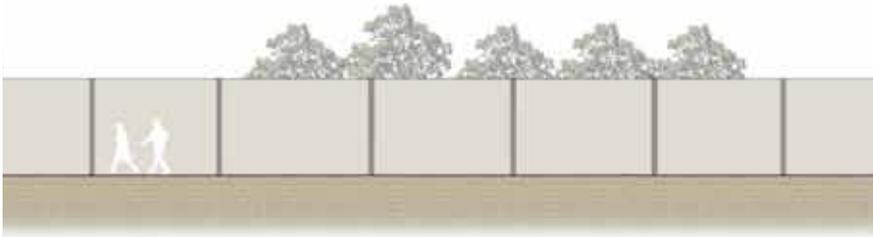
- Movement under the control of traffic signals
- 6.5m clearance
- Speed limit 70km/h – 80km/h
- Shared pedestrian/cycle path underpass

Facilities

The project will deliver a number of upgraded and improved facilities, designed to enhance the local area both in function and aesthetics. The Tonkin Highway / Roe Highway interchange area will incorporate shared pedestrian and cycle path underpasses and approximately 2km of noise / screen walls.

NOISE / SCREEN WALLS

As part of the Gateway WA project, approximately seven kilometres of new noise / screen walls will be constructed to help reduce traffic noise to local residential areas located near the Leach Highway, Tonkin Highway and Roe Highway sections of the project. Noise / screen walls will be included in all three project zones – Northern, Western and Southern.



Artist impression of the residential side of the noise/screen wall. Not to scale.



Artist impression of the roadside of the noise/screen wall. Not to scale.

Relief applied to highway side of panels



Noise walls under construction

PEDESTRIAN AND CYCLIST FACILITIES

New Principal Shared Paths will be installed as a part of the Gateway WA project, providing improved facilities for cyclists and pedestrians.

While there may be some disruption to current walking and cycle paths during construction, the new paths will provide improved access for walking and cycling along the new road alignment following construction.

The project will install 21 kilometres of Principal Shared Path adjacent to the new road alignment along Tonkin and Leach Highways, the extension of Leach Highway into Perth Airport (Airport Drive), and Roe Highway.



FURTHER INFORMATION

If you would like to know more about the key features of the project please visit the Gateway WA website at gatewaywa.com.au

CONTACT US

If you have a question about the project you are welcome to contact the Gateway WA team on:
Project Information Line: **1800 420 421** or
email: admin@gatewaywa.com.au