

# M4-M8 Link Tunnels

WestConnex

Transurban

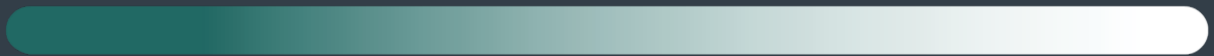
## Air Quality Community Consultative Committee

Meeting 14

16 April 2024



# Agenda



# Agenda

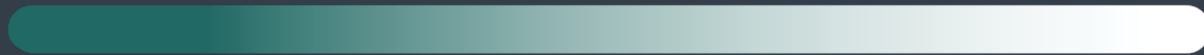
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- Welcome, actions from previous meeting, declarations of interest
- Air quality items raised by community members, AQCCC Annual Report
- Overview of AQCCC Terms of Reference
- Updates from the project team:
  - Overview of air quality complaints since last meeting
  - Update on air quality monitoring stations
  - Update on M4-M8 Link
- Other business:
  - Proposed meeting dates
  - Any other business

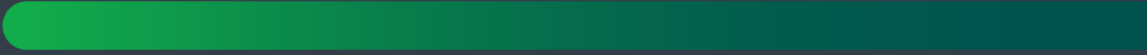
Welcome, actions from previous meeting,  
declarations of interest



# Air quality items raised by community members, AQCCC Annual Report



# AQCCC Terms of Reference



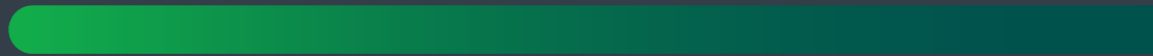
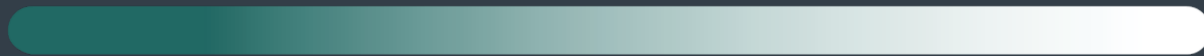
# AQCCC Terms of Reference

| CoA         | Requirement  | Compliance  |
|-------------|--|---|
| E2<br>AQCCC | (b) meet at least four (4) times a year, or as otherwise agreed by the Chair and the Secretary   | The AQCCC continues to meet at least four times per year.   |
|             | (c) review and provide advice on the location of the air quality monitoring stations required under Condition E24, operation environmental management plans and other operation stage documents, compliance tracking reporting, audit reports, or complaints as they relate to air quality | Compliance provided through updates from the project team at ongoing AQCCC meetings.  |
|             | (d) provide advice on the dissemination of monitoring results and other information on air quality issues  | The AQCCC members continue to provide advice on air quality issues at the AQCCC meetings and between meetings through the AQCCC Chair.  |
|             | The AQCCC must operate for up to two (2) years after commencement of operation, or as otherwise approved or directed by the Secretary, in consultation with the Chair.   | <p>Operation of the M4-M8 Link commenced on 20 January 2023. Two years after commencement of operation will be 20 January 2025.</p> <p>Four AQCCC meetings will be held in 2024, with dates to be agreed in this meeting.</p> <p>Following two years of operation, in early 2025, WestConnex Transurban will seek approval from DPHI, in consultation with the Chair, to disband the AQCCC.</p> |

| CoA                             | Requirement   | Compliance   |
|---------------------------------|---|--|
| E26 Ambient AQMS                | The Proponent must commence monitoring for at least 12 continuous months prior to operation and continue monitoring for at least two (2) years following the commencement of operation, unless otherwise approved by the Secretary. At the conclusion of the two (2) year operational monitoring period, the Proponent must review the need for the continued use of ambient monitoring stations in consultation with the AQCCC and EPA. Closure or discontinued use of an ambient monitoring station will require the approval of the Secretary. | <p>Operation of the M4-M8 Link commenced on 20 January 2023. Two years after commencement of operation will be 20 January 2025.</p> <p>Following two years of operation, in early 2025, WestConnex Transurban will review the need for the continued use of ambient monitoring stations with the AQCCC and EPA and seek approval from DPHI to close the stations when appropriate.</p> |
| E37 In-tunnel and ambient audit | The Proponent must engage a person independent from the design and construction of the CSSI, to audit the air quality monitoring (in-tunnel and ambient) for the CSSI at six (6) monthly intervals following commencement of operation of the CSSI, or at any longer interval if approved by the Secretary.   | <p>One audit of the air quality monitoring for the project was completed in December 2023 for the period 20 January to 20 July 2023.</p> <p>The next air quality audit will be undertaken in June 2024 for the period 1 July to 1 December 2023.</p>   |
| E40 Audit report                | The Proponent must document the results of the audit and make available all audit data for inspection by the Secretary upon request. A copy of the audit report must also be issued to the Proponent and AQCCC.   | A copy of the audit report was provided to the AQCCC from the Chair on 7 March 2024, for information.  |



# Air quality update



## Complaints – air quality

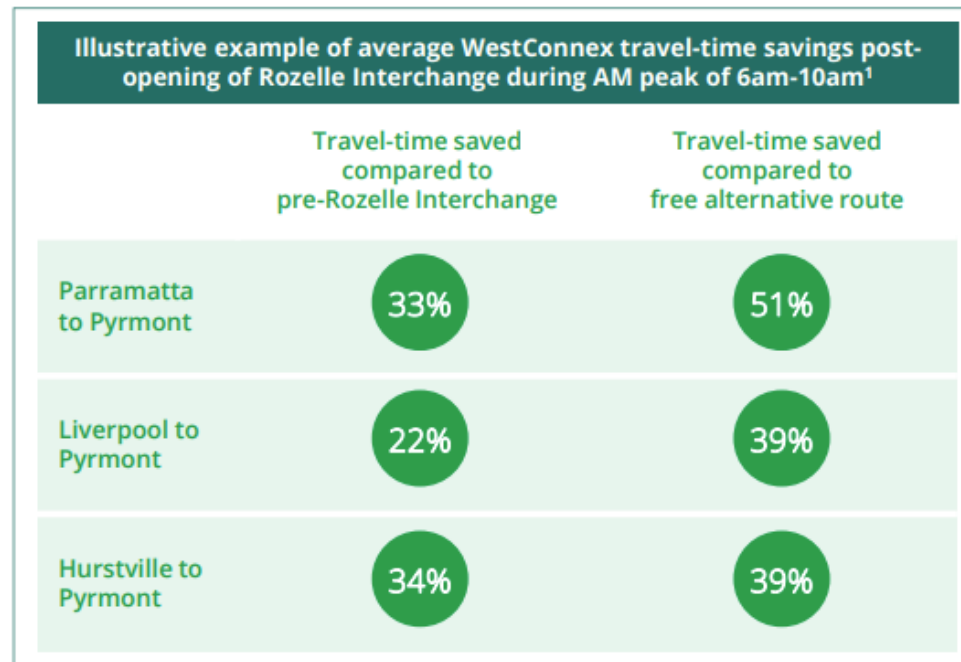
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Complaints related to air quality since our last AQCCC meeting: none

## M4-M8 Link update

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- CoA E37 requires that an audit is undertaken at six monthly intervals for the air quality monitoring (in-tunnel and ambient). The first audit was completed in December 2023 for the period 20 January to 20 July 2023. A copy of the audit report was provided to the AQCCC on 7 March 2024, for information
  - No Air Quality exceedances recorded since the last AQCCC meeting on 28 November 2023

- Transurban released its half-yearly results on 8 February 2024: <https://www.Transurban.com/content/dam/investor-centre/01/1H24-ResultsPresentation.pdf>



1. TomTom congestion data and Google Maps data. Individual travel times, alternative trips and travel savings may vary based on specific origin, destination and traffic conditions at the time of travel. Pre-Rozelle Interchange opening travel times based on traffic from 20 to 23 November 2023. Post-Rozelle Interchange opening travel times based on traffic from 4 to 15 December 2023.





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# M4-M8 Link Update

Campbell Road and Parramatta Road Ventilation Facilities

AQCCC 16 April 2024

The M4-M8 Link has two ventilation facilities - located at Campbell Road (CRVF) and at Parramatta Road (PRVF). A recent discovery shows that axial fans at each location have not been operating as normal and we are working to investigate and rectify them.

On 11 March 2024, WestConnex determined the fans should be preserved while undertaking fan-rectification activities. This means they will be in reserve-mode for activation in the instance of fire or smoke.

The tunnel remains safe and fans are not required for safe day-to-day operations. However, there will be some portal emissions from two portals of the M4-M8 Link – Campbell Road, St Peters and Wattle Street, Haberfield. These emissions are minor and remain below the limits required to safely operate the tunnel.

Despite portal emitting, we are continuing to meet the requirements in the Minister's Conditions of Approval (MCOA) and Environmental Protection Licence (EPL) for air quality limits and goals.

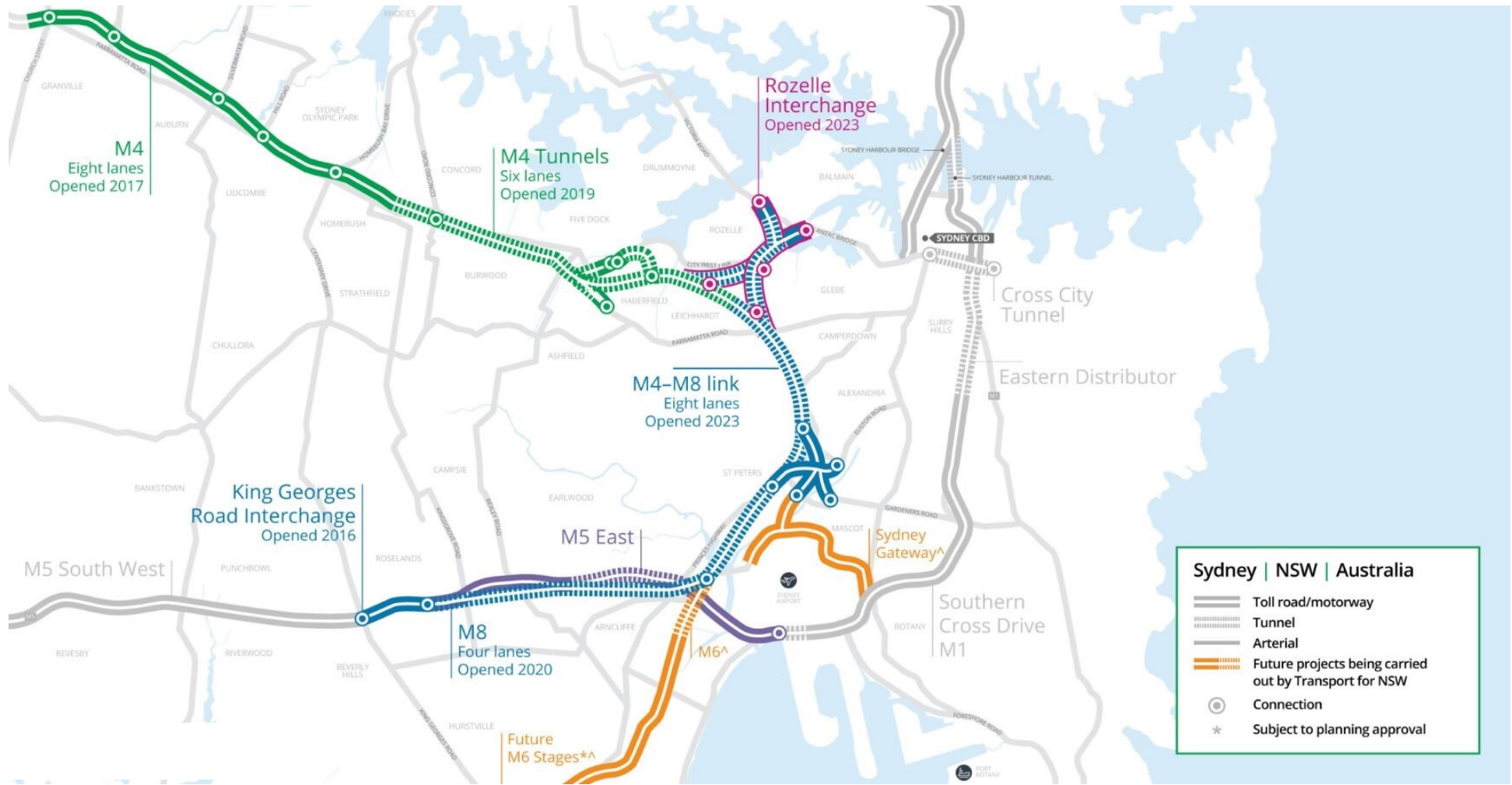
We continue to monitor for in-tunnel, ambient and ventilation air quality. All data is live and publicly available via the Linkt website.

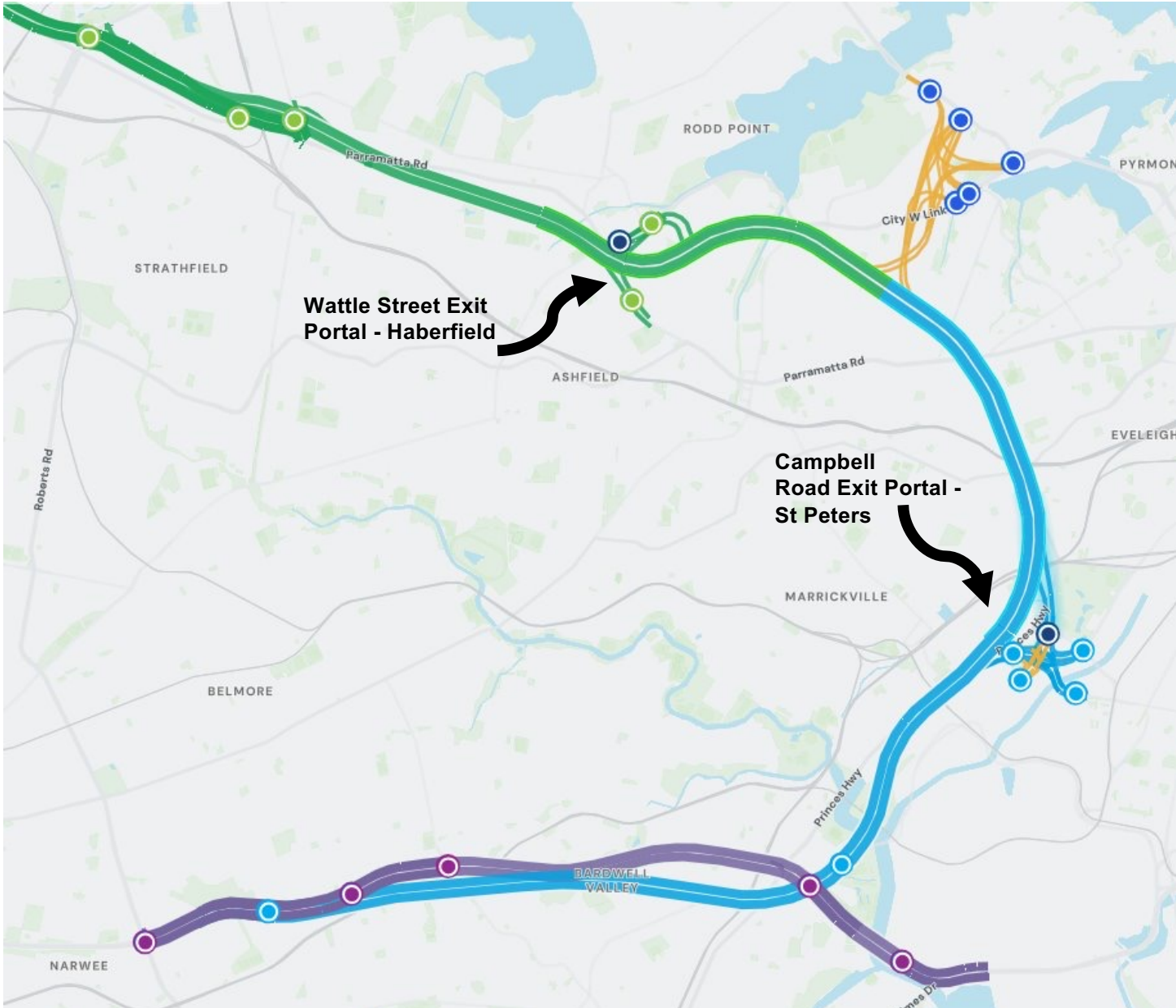
We are also monitoring air quality at each location. Consistent readings are reported during peak and off-peak traffic conditions which continue to be below limits.

Relevant regulatory agencies including the DPHI, EPA and TfNSW have been notified and will continue to be consulted throughout the rectification phase.



# WestConnex - 24 Portals



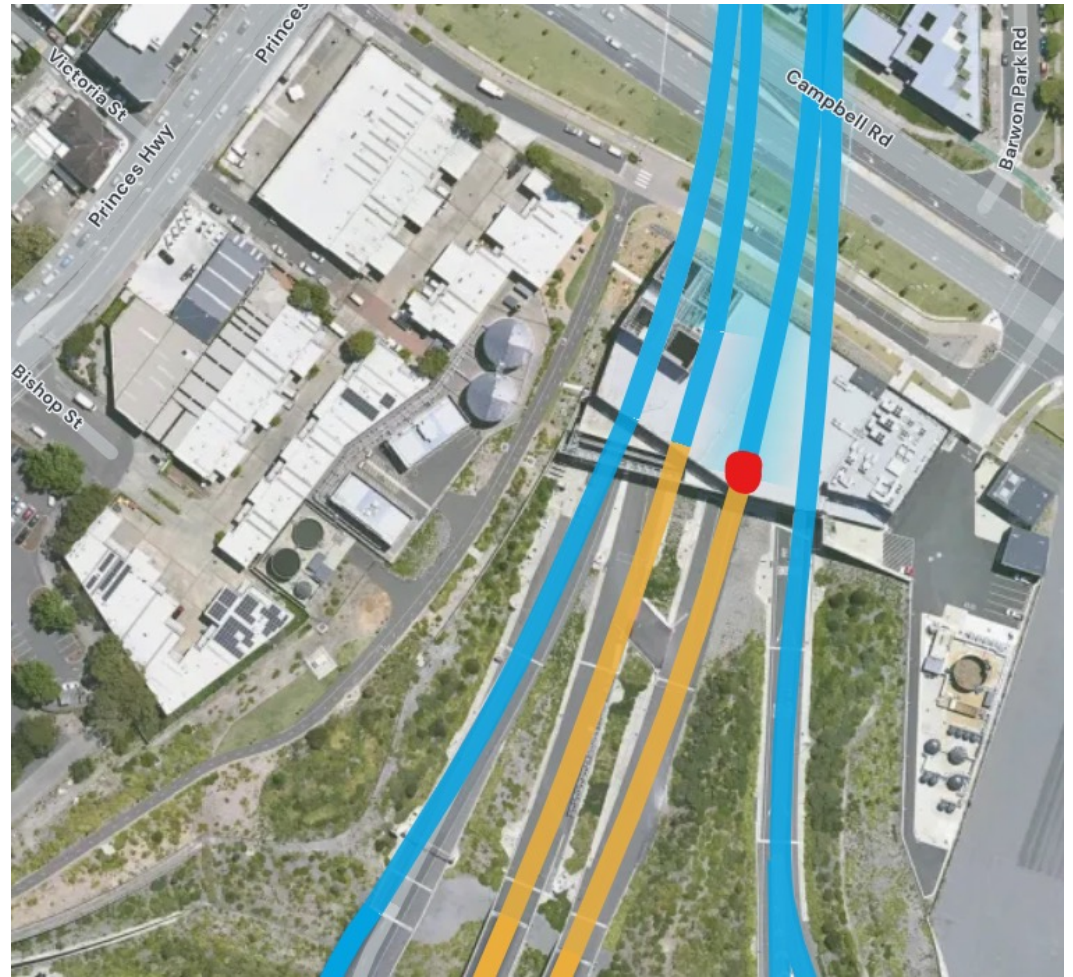
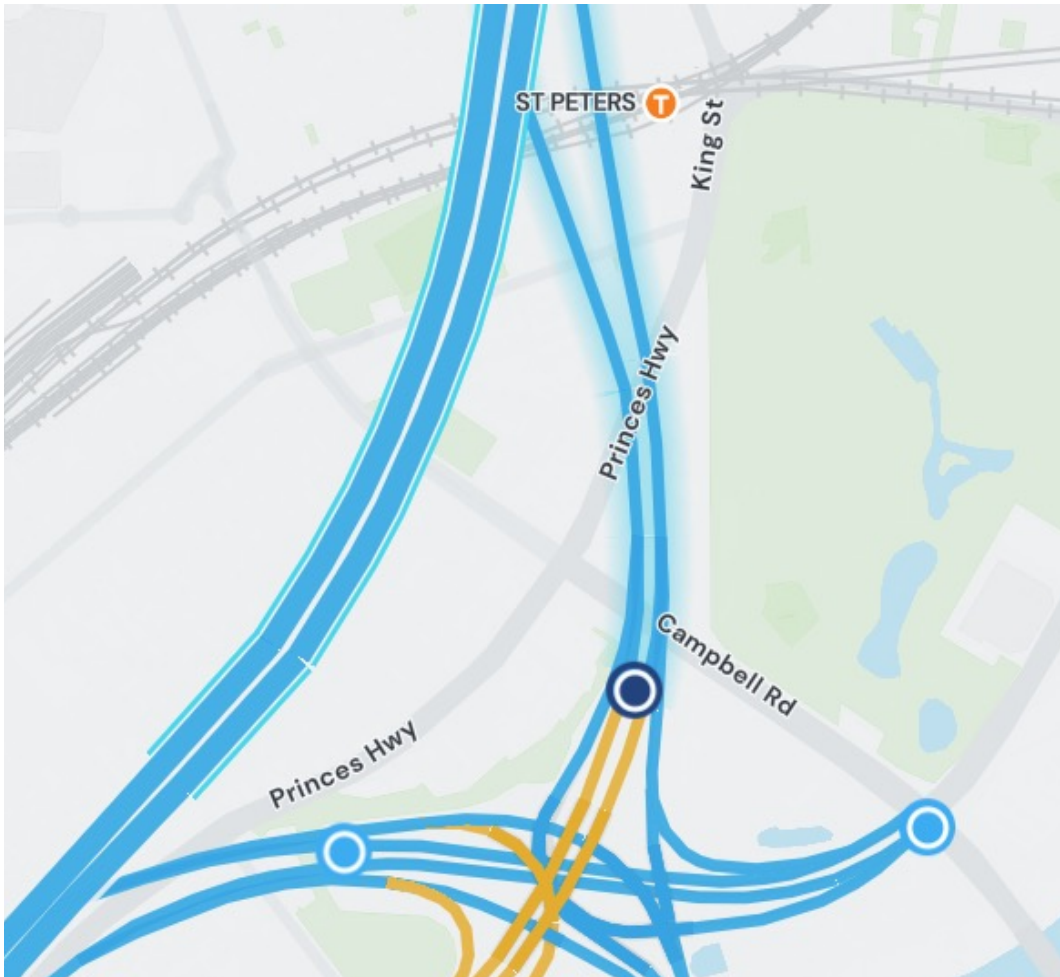




# Campbell Road Exit Portal, St Peters

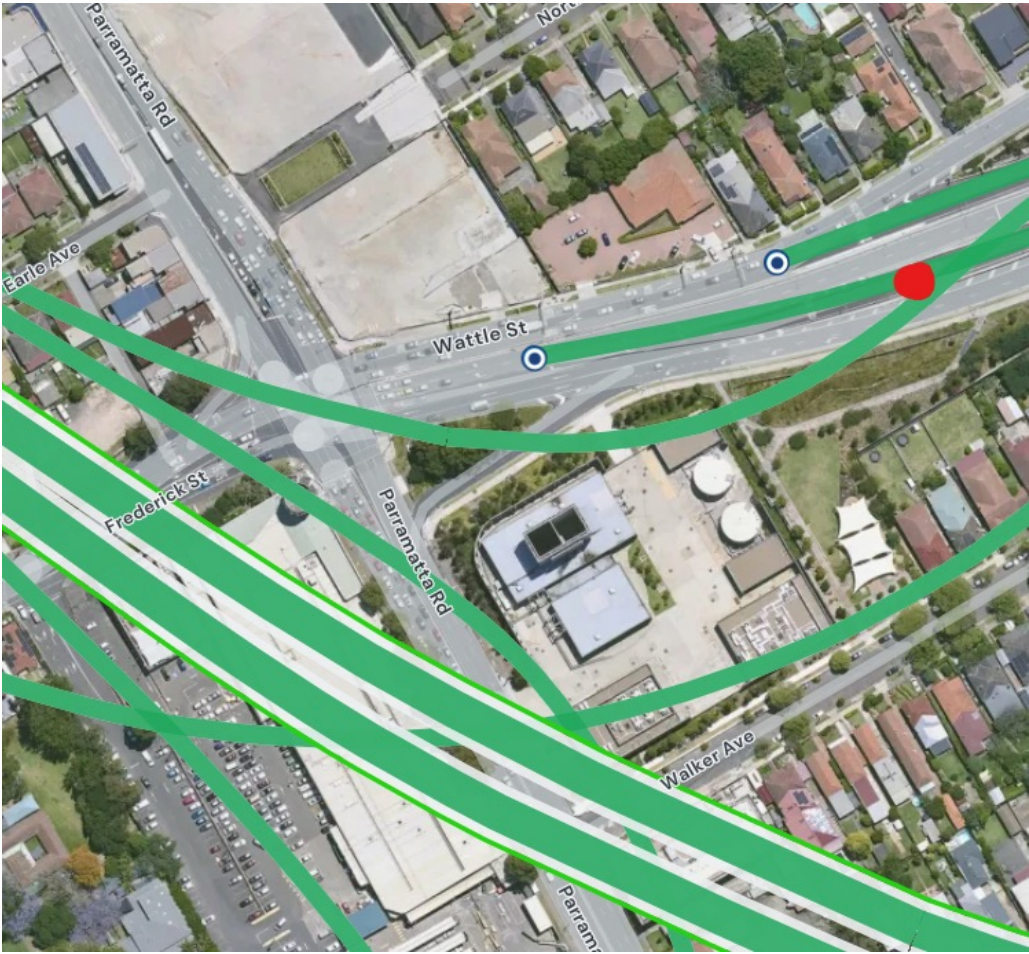
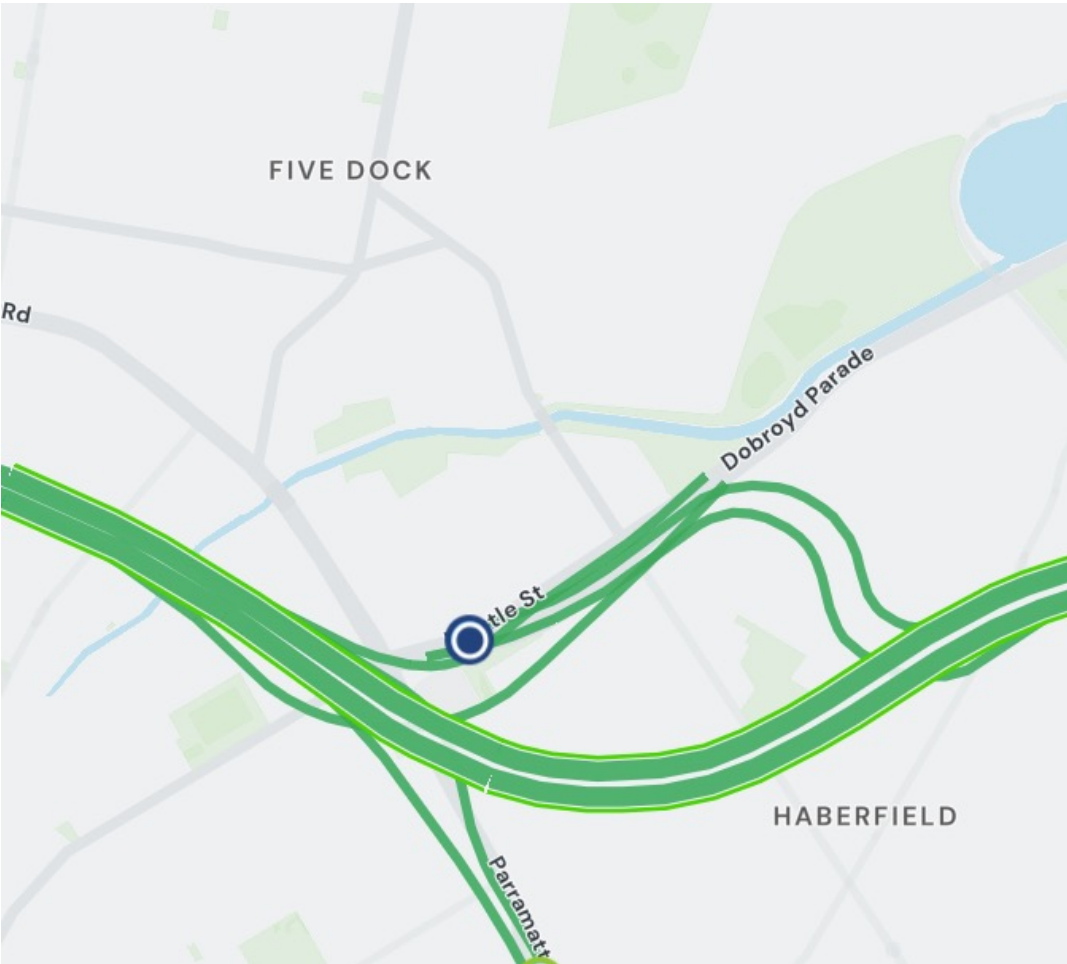
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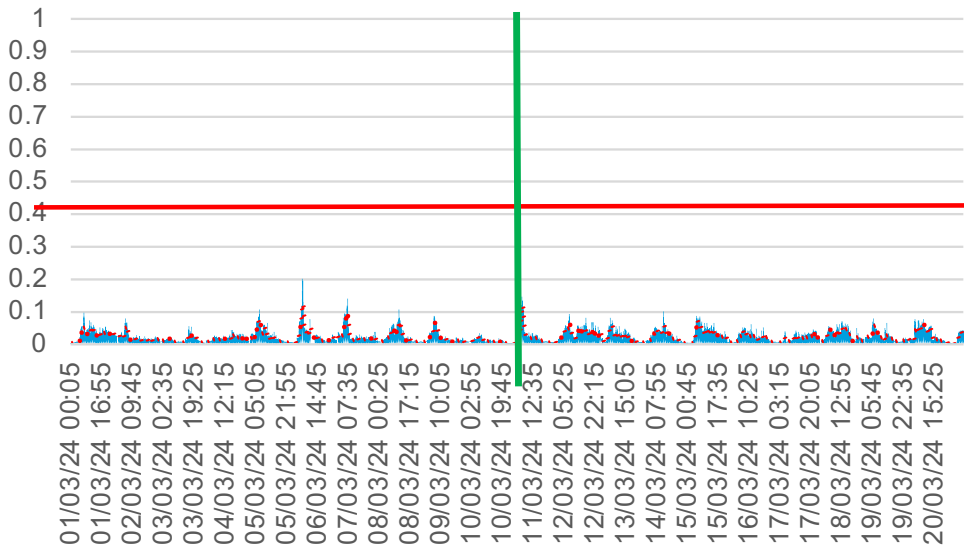


# Wattle Street Exit Portal, Haberfield

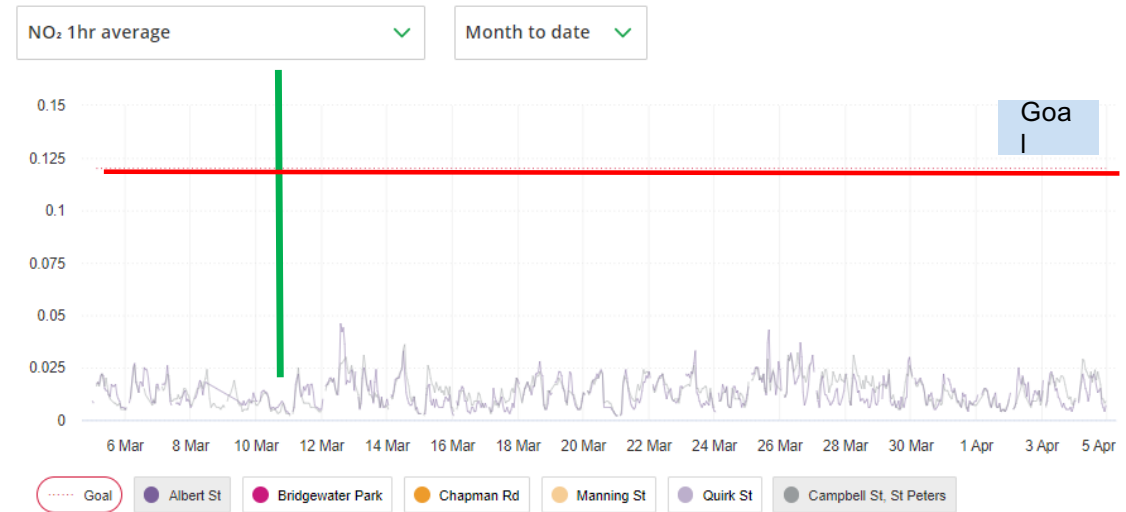


## Air Quality Monitoring (AQM)

- Aligned with the ongoing air quality monitoring requirements, we have continued to monitor in-tunnel and ambient air quality.
- Recent data from 01 February 2024 to 20 March 2024 displayed in the graphs indicates that in-tunnel readings from the AQMs closest to the portals and the ambient stations are below MCoA limits for both CO and NO<sub>2</sub> (limits indicated by the red line).
- Consistent readings are reported during peak and off-peak traffic conditions which are below the MCoA limits.

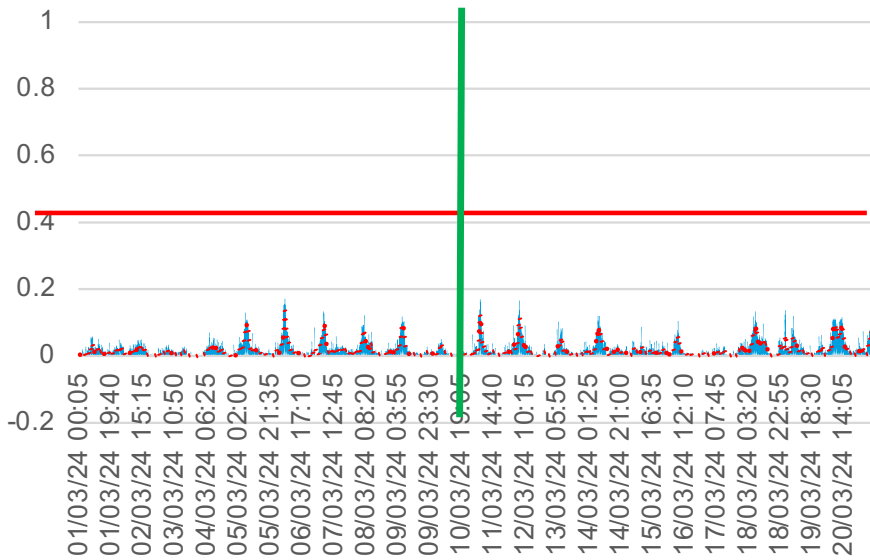


Campbell Road –In Tunnel

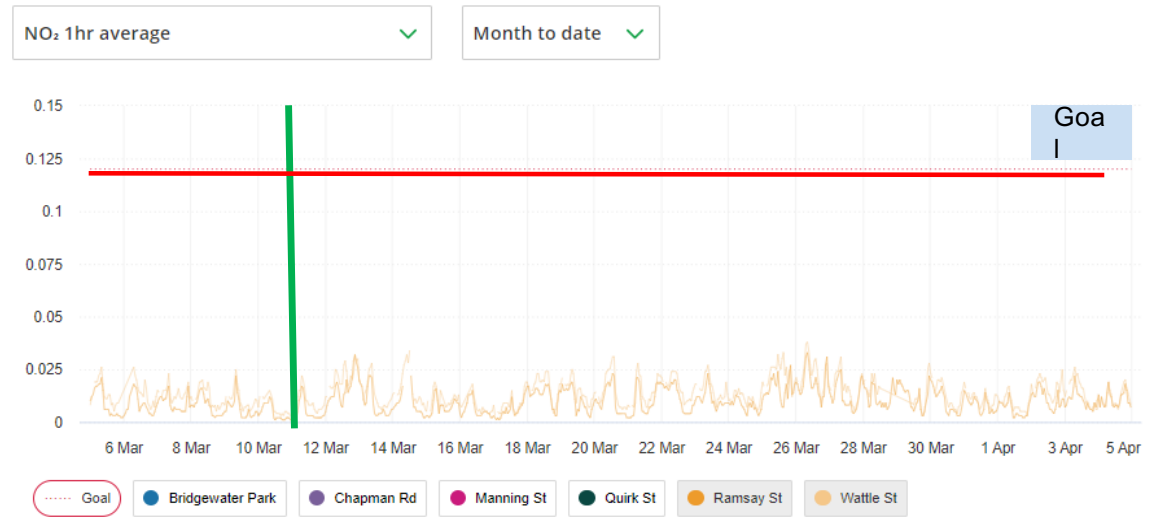


Ambient

# Environmental Performance



Wattle Street - In Tunnel



Ambient

### Linkt Website

<https://www.linkt.com.au/sydney/using-toll-roads/about-sydney-toll-roads/westconnex-m8/tunnel-air-quality>

### Linkt Website

<https://www.linkt.com.au/using-toll-roads/about-sydney-toll-roads/westconnex/tunnel-air-quality-m4/sydney>



Using toll roads > About Sydney toll roads > WestConnex > M8 Tunnel air quality

Using toll roads > About Sydney toll roads > WestConnex > M4 Tunnel air quality

WestConnex

Toll pricing

Pay or transfer toll notices

Roadworks & closures

How to pay tolls

WestConnex M4

M4 Tunnel air quality

WestConnex M8

M8 Tunnel air quality

### M8 Tunnel air quality

The WestConnex M8 includes a tunnel linking Kingsgrove to St Peters and a new extension which connects the M8 at St Peters to the M4. Transurban operates the WestConnex M8 in accordance with the Conditions of Approval established by the NSW Government and approved by the NSW Minister for Planning and **Environment Protection Licence** issued by NSW EPA.

- **M8 Conditions of Approval**
- **M4 & M8 extensions Conditions of Approval**

Monitoring and measuring protocols for each pollutant and parameters are described in the **glossary of terms**. A Pollution Incident Response Management Plan is also in place as a requirement of the Environment Protection Licence.

In-tunnel    Ambient    Ventilation outlet    Map

WestConnex

Toll pricing

Pay or transfer toll notices

Roadworks & closures

How to pay tolls

WestConnex M4

M4 Tunnel air quality

WestConnex M8

M8 Tunnel air quality

### M4 tunnel air quality

The WestConnex M4 includes a tunnel linking Homebush to Haberfield and a new extension which connects the M4 at Haberfield and the M8. Transurban operates the WestConnex M4 in accordance with the Conditions of Approval established by the NSW Government and approved by the NSW Minister for Planning and **Environment Protection Licence** issued by NSW EPA.

- **M4 Conditions of Approval**
- **M4 & M8 extensions Conditions of Approval**

Monitoring and measuring protocols for each pollutant and parameters are described in the **glossary of terms**. A Pollution Incident Response Management Plan is also in place as a requirement of the Environment Protection Licence.

In-tunnel    Ambient    Ventilation outlet

## Next phase

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Air quality modelling is underway for locations surrounding Parramatta Road and Campbell Road.

We're monitoring air quality at each location. Consistent readings are reported during peak and off peak traffic conditions which continue to be below limits.

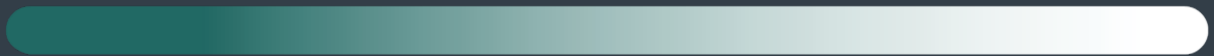
We're working with the M4-M8 Link Contractor to determine the root cause of the issue and expedite repairs to the axial fans.

We believe sufficient air monitoring is in place. However, we've engaged air-quality experts to determine whether additional measures will be required.

Relevant agencies have been notified, including TfNSW, DHPI and the EPA, on the plan for rectification activities and minor portal emissions.

We believe our next AQCCC meeting will be an opportunity to offer further insights once further in-depth investigations have been undertaken.

Other business



## Administrative items

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Proposed meeting dates for 2024:

- Meeting 2: 18 June 2024
- Meeting 3: 10 September 2024
- Meeting 4: 19 November 2024



# Questions

