

Minutes

WestConnex M4-M5 Link Tunnels AQCCC Meeting #7

Date	17/05/2022		
Time	6.00pm – 8.00pm		
Venue	In person meeting: WestConnex Motorway Control Centre 33 Burrows Road, St Peters		
Independent Chair	Abigail Goldberg	Chair and Director	GoldbergBlaise
Attendees	Brian Smyth King	Community representative	Haberfield
	Steve O'Brien	Community representative	Haberfield
	Karyn Hemming (online)	Community representative	St Peters
	Alistair Wardrope	Community representative	St Peters
	Terry Chapman (online)	Project Director	WestConnex
	Matthew Callander	Fire Life Safety and Integration	WestConnex
	Karina Wilson	Community Engagement Advisor	WestConnex
	Nick Francesconi	Environment and Planning Manager	WestConnex
	Kris Hincks	Operations and Maintenance	WestConnex
	Peter Redwin	Head of Operations and Maintenance	WestConnex
	Kendall Banfield (online)	Senior Transport Planner	Inner West Council
	Dr Ian Longley (online)	Independent Air Quality Specialist	NIWA NZ
	Jack Murphy	Environment and Sustainability Manager	Transport for NSW (observer)
	Olivia Patterson	Operations Officer	EPA (observer)
Apologies	Damon Bolton	Operations Officer	EPA (observer)
	Peter Bridge	Community representative	Haberfield
	Manod Wickramasinghe	Traffic and Transport Planning Manager	Inner West Council
	Stuart Clark	Senior Operations Officer	EPA (observer)
	Rob Sherry	Team Leader Compliance	DPE (observer)

Agenda Items		Action
1.0	<p>Welcome and actions from previous meeting:</p> <ul style="list-style-type: none"> Contractors parking on local streets The Chair noted that while this was not an air quality matter, WestConnex and ASBJV had taken steps to address the issue. Peter Bridge noted by email ahead of the meeting that a security guard had been appointed by the contractor to assist with managing parking on local streets, and that during the period of his engagement the situation had improved significantly, which was much appreciated by local residents. Community representatives present at the meeting noted that the security guard was no longer working the area and that workers had begun to park in the area again, although to a lesser extent. Maintenance of grounds surrounding the Parramatta Road ventilation facility A site walk including WestConnex representatives and community representatives was undertaken inter-session to examine the grounds surrounding the Parramatta Road ventilation facility, and action has since been taken to address landscaping. Brian Smyth King noted 	<p>Kendall Banfield of Council committed to escalate the matter of landscaping maintenance of Council land internally</p>

Agenda Items	Action
<p>however that other areas, including Haberfield Gardens, continued to be poorly maintained and had become overgrown with grass and weeds, and that graffiti had begun to appear.</p> <p>Agreed that while this is not an air quality matter, the AQCCC was the only forum where community representatives were able to raise these concerns, which have a cross-over to the complex responsibilities that are the result of the various project agreements. Kendall Banfield of Council committed to raising this matter internally, while the WestConnex team agreed to assist with resolving how the area can be better coordinated, so that there is clarity for local residents regarding who to contact when issues arise, and who will take carriage of resolving concerns.</p> <ul style="list-style-type: none"> • Community grants program (<i>information provided inter-session</i>) • Façade treatment at Campbell Road ventilation facility (<i>information provided inter-session</i>) 	<p>The WestConnex team to assist with resolving how the area can be better coordinated, so that there is clarity for local residents regarding who to contact when issues arise, and who will take carriage of resolving matters.</p>
<p>2.0 Community items</p> <p>It was agreed that the order of the Agenda would be varied so that the walk-through of the Motorway Operations Centre would take place last as some participants were able to attend online only.</p> <p>Community items were raised at item 1.0 above.</p>	
<p>3.0 Analysis of ambient air quality monitoring data</p> <p>Nick Francesconi and Matt Callander advised that WCX had only been made aware recently that there had been an 8 week power outage at the Ramsay Street AQMS, which had resulted in data not being collected for this time.</p> <p>Both Nick and Matt noted the seriousness of this failure of power, as well as the seriousness of the failure in protocols as the contractors responsible, ASBJV or EcoTech, had not flagged the problem.</p> <p>Community representatives strongly asserted their concern regarding both the gap in data and the failure of protocols.</p> <p>The WestConnex team agreed to report back to the AQCCC regarding:</p> <ul style="list-style-type: none"> • The implications of the data gap. • Investigations into how and why the problem occurred, as well as measures that are to be put in place to prevent such an issue recurring. <p>The WestConnex team also agreed to prepare a report similar to this to be made public on the project website to explain the data gap.</p> <p>Ian Longley reflected on the data gap, noting that fortunately the Ramsay Street site has been in place for over 4 years already, so the data gap of 8 weeks will be offset by the longitudinal data which has been collected over the longer period. Ian did however agree with the concerns expressed regarding the seriousness of the matter.</p> <p>Ian presented his analysis of the ambient air quality monitoring data using slides that are available along with these Minutes.</p> <p>Discussion took place relating to:</p>	<p>WestConnex to report back to the AQCCC at the next meeting regarding:</p> <ul style="list-style-type: none"> • The implications of the data gap. • Investigations into how and why the problem occurred, as well as measures that are to be put in place to prevent such an issue recurring. <p>WestConnex to oversee production of a report to be made public to explain the data gap.</p>

Agenda Items	Action
<ul style="list-style-type: none"> • Covid impacts, regarding which it is noted that the impact has been slight whereas there is a trend of NO_x reducing across Sydney over time. • Further investigation is required into the locational context of the Wattle Street AQMS, as the NO_x data is significantly higher than that of Ramsay Street. The location is close to the road, with a noise wall at the rear of the site, which may be effecting air circulation. • Overall, no impact of the existing operating outlets is apparent in the data sets. 	
<p>4.0 Overview of air quality complaints received</p> <p>Karina Wilson advised that no operational complaints regarding air quality had been received since the last meeting.</p>	
<p>5.0 Project update</p> <p>Terry Chapman provided a project update, noting that</p> <ul style="list-style-type: none"> • Tunnelling is now complete • Overall mechanical and electrical construction progress is 80% complete • Temporary decline backfilling has commenced • Commissioning of the St Peter's Interchange Operation Water Treatment Plant has begun <p>Participants sought further information regarding the purpose of the Water Treatment Plant.</p>	
<p>6.0 Administrative items:</p> <p>The meeting schedule going forward was confirmed as:</p> <ul style="list-style-type: none"> • Q3, Meeting 8: 19 July 2022 • Q4, Meeting 9: 8 November 2022 <p>Noted that Condition of Approval E37/38 – requires consultation with the AQCCC re the engagement of independent person to audit operational air quality monitoring. This will be addressed at the next meeting. A paper regarding this matter will be provided to AQCCC members at least two weeks prior to the meeting.</p>	<p>Paper regarding CoA E37/38 to be provided for AQCCC members at least two weeks prior to the next meeting, with the matter to be placed on the Agenda for that meeting.</p>
<p>7.0 Questions / Other business</p> <p>Community representatives reiterated their concern regarding the data gap, and repeated their call for a report to be prepared regarding this, which should also be made public. This action is recorded in relation to Item 3.0 above.</p>	
<p>8.0 Walk-through of Motorway Operations Centre</p> <p>Peter Redwin hosted a walk-through of the Motorway Operations Centre, including a demonstration of how the fans and ventilations systems operate within the tunnels.</p>	

Agenda Items		Action
9.0	Thanks and close The Chair thanked members for participation as well as WestConnex for arranging the walk-through of the Motorway Operations Centre. The meeting closed at 7:45pm.	

M4-M5 Link Tunnels

WestConnex

Transurban

Air Quality Community Consultative Committee

Meeting 7

17 May 2022



Agenda for AQCCC Meeting 7

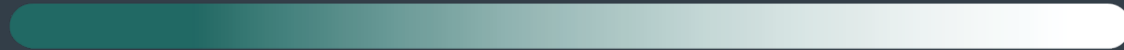
Agenda Items	Responsibility
1.0 Welcome and actions from previous meeting: <ul style="list-style-type: none"> Contractors parking on local streets Maintenance of grounds surrounding the Parramatta Road ventilation facility Community grants program (<i>information provided inter-session</i>) Façade treatment at Campbell Road ventilation facility (<i>information provided inter-session</i>) 	Abigail Goldberg
2.0 Community items	Community representatives, Inner West Council
3.0 Walk through of Motorway Operations Centre	Peter Redwin
4.0 Analysis of ambient air quality monitoring data	Ian Longley
5.0 Overview of air quality complaints received	Karina Wilson
6.0 Project update	Terry Chapman
7.0 Administrative items: <ul style="list-style-type: none"> Meeting schedule going forward: <ul style="list-style-type: none"> Q3: 19 or 26 July 2022 (nb: school holidays are 4/7 to 15/7) Q4: 1 or 8 November 2022 	Nick Francesconi
8.0 Questions / Other business	Abigail Goldberg
9.0 Thanks and close	Abigail Goldberg

Actions from previous meeting:

Abigail Goldberg



Community items



WestConnex Motorway Control Centre

Peter Redwin



Analysis of ambient air quality data

Ian Longley



Air quality complaints received

Karina Wilson



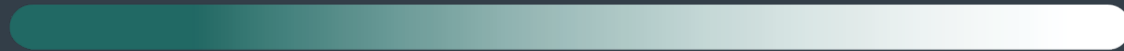
Complaints – air quality

WestConnex

 **Transurban**

- There have been no complaints relating to air quality in the M4-M5 Link Tunnels since the November AQCCC meeting.

Project update – Terry Chapman



Construction update

Tunnelling progress:

- Complete

Overall mechanical and electrical construction progress is ~80%

- HV Cable pulled 100%
- Cable installed @ 75%
- All 195 jet fans have been installed.

Temporary decline backfilling has commenced.

Commissioning of the SPI
Operation Water Treatment
Plant

Image 1: PBR final plug complete



Construction update

WestConnex

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Barrier completions works



Gantry over the portal entrance at SPI

Construction update

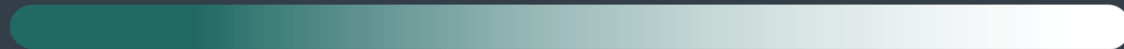
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Most cladding installed on the SPI ventilation building at Mascot

Upcoming tasks for AQCCC: Nick Francesconi



CoAs requiring AQCCC input

CoA E2 – requires that the AQCCC review and provide advice on the following documents as they relate to air quality:

- Location of AQMS - completed
- Operational Environmental Management Plan and other operation stage documents – completed
- Operation Compliance Tracking Reporting – on going
- Operation Audit reports – on going
- Operation Air Quality Complaints – on going

CoA E25 – requires consulting with the AQCCC regarding the proposed organisation to operate the air quality monitoring stations – Completed

CoA 32 – requires the preparation of the Ambient Air Quality Goal Protocol in consultation with the AQCCC – completed

CoA E37/38 – requires consultation with the AQCC re the engagement of independent person to audit operational air quality monitoring – Underway

Next meetings

Potential meeting dates

- Q3: 19th or 26th July 2022 (NB School Holidays 4/7 - 15/7)
- Q4: 1st or 8th November 2022

Thank You

WestConnex M4-M5 Link Tunnels



M4-M5 Link

A Brief review of pre-opening air quality data so far

Dr Ian Longley

Principal Air Quality Scientist, NIWA

Climate, Freshwater & Ocean Science

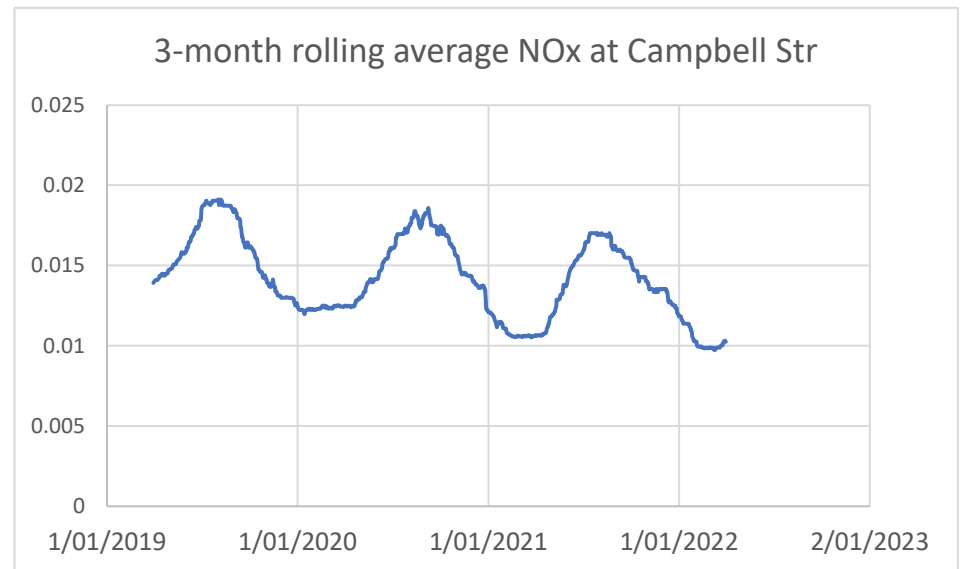


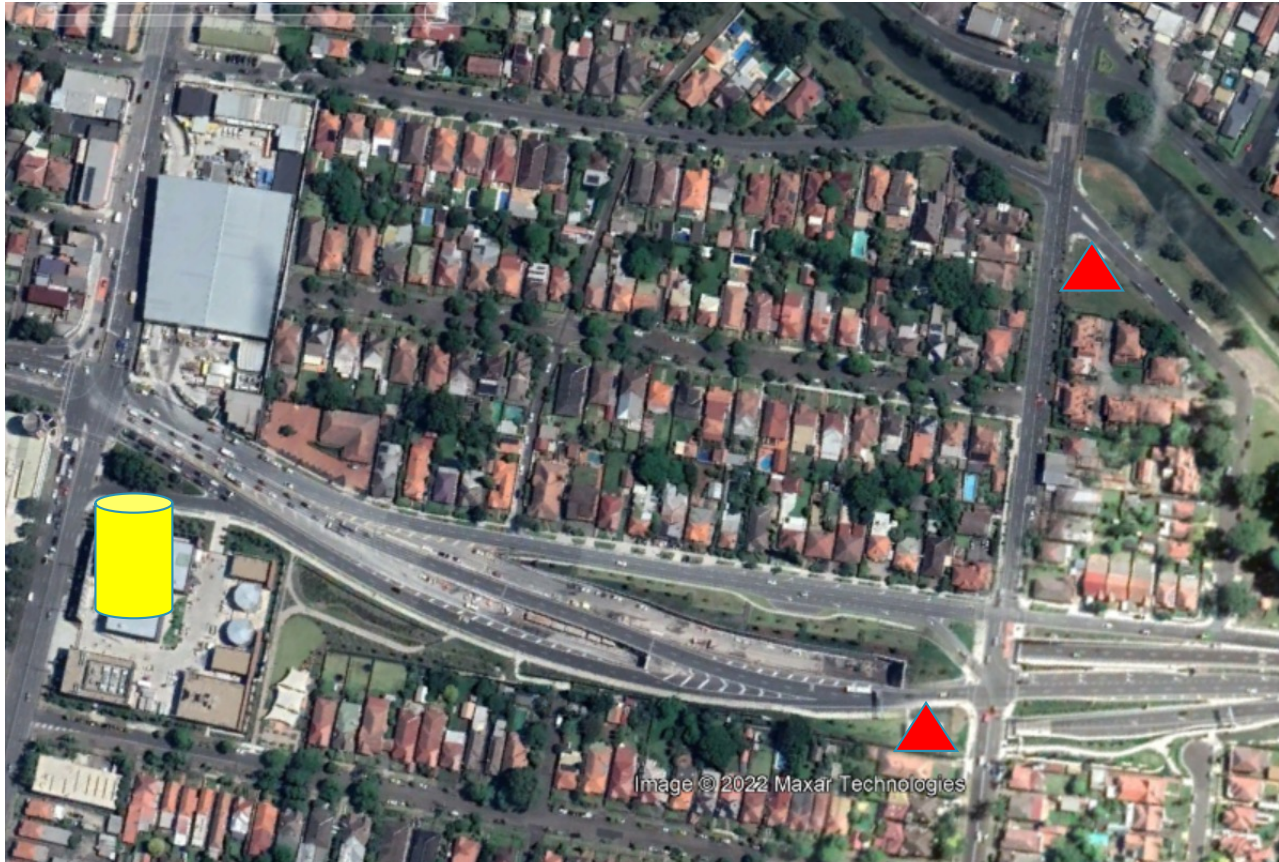
Data coverage and quality

- No Ramsay Street data from 7th March?
- All data “looks” like I’d expect it to

Understanding baseline air quality

- NO_x (oxides of nitrogen) is most sensitive marker of traffic emission
- Campbell Str and Ramsay Str data indicate ongoing long-term gradual reduction in NO_x (cleaning of the vehicle fleet)





Ramsay Street

- Biggest reduction in NO_x after M4 East opened
- Levels typical for suburban feeder road

Wattle Street

- $\text{NO}_x \sim 2 \times$ Ramsay Str

Wattle Str



- Very close to road
- Uphill gradient
- Possible recirculation over fence?



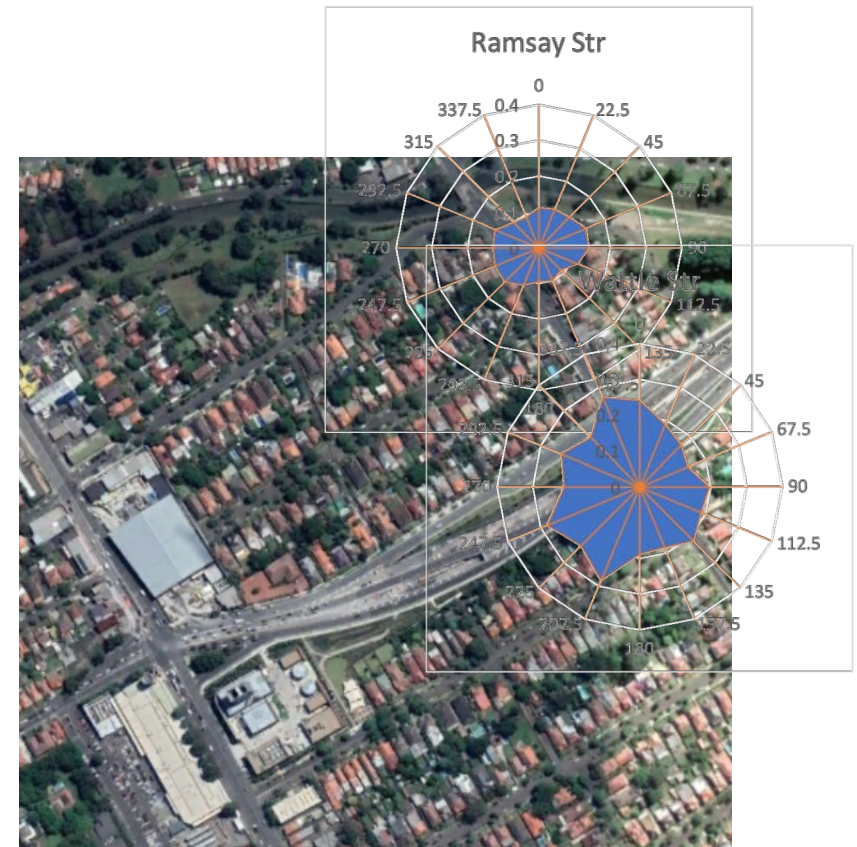
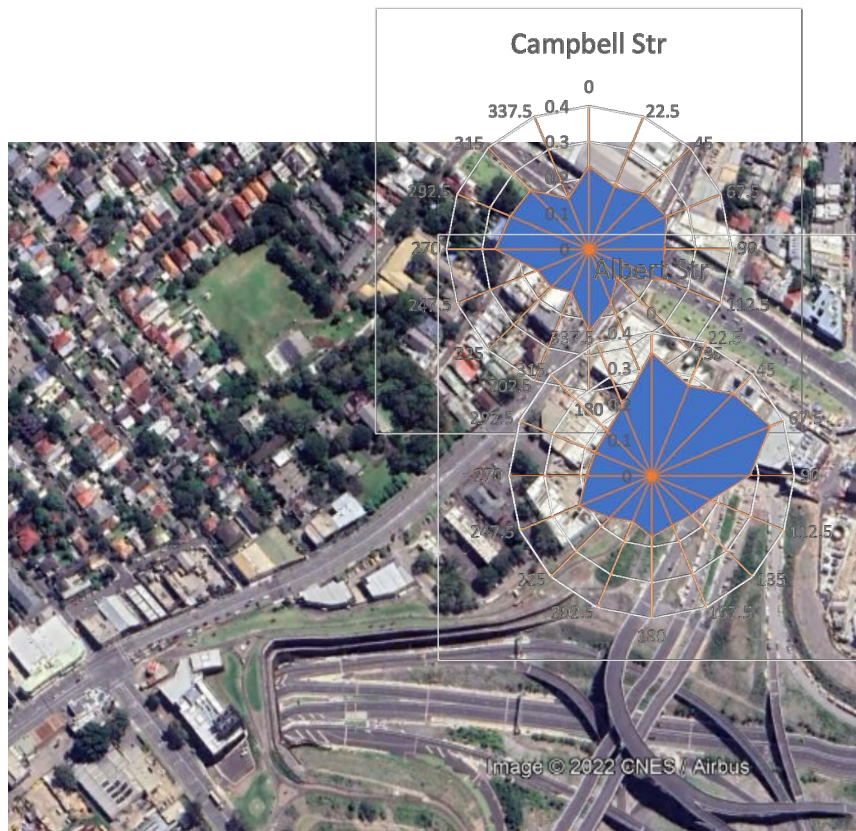
Campbell Street

- NO_x 58 % higher than Ramsay Str
- +21% due to Campbell Str & intersection

Albert Street

- Surrounded by busy roads but all > 100 m away
- NO_x 58% higher than Ramsay Str

No impact of operating outlets yet detected



Figures show maximum 5-minute NO_x for each wind direction