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M4-M5 Link Tunnels and New M5 – Meeting 2

Meeting: M4-M5 Link Tunnels and New M5 – Meeting 2

Date: Wednesday 13 May 2020

Time: Join at 5:45pm Meeting from 6:00pm to 7:30 pm

Location: Microsoft Teams Online Meeting

Attendees: Independent Chair (IC)
Associate
Notetaker

Stephen Lancken
Lynette Edwards
Samuel Cheok

Transport for NSW - WestConnex Project Team

WestConnex Project Director
New M5 Project Director
M4-M5 Link Project Director
A/Director Eastern Harbour City
Principal Manager, Communications
Senior Communications & Stakeholder Engagement
Manager
Senior Media Manager
Senior Communications & Stakeholder Engagement Officer

Andrew McKindlay
Paul Hitchings
Struan Wilson
Julie Sundqvist
Alison Jones Powell
Dorea Lau

Brendan Gullifer
Annie Bedroosi

WestConnex

Project Director
Community Engagement New M4 & M4-M5 Link
Community Engagement New M5
Planning, Environment and Compliance Manager

Terry Chapman
Louisa Bertino-Clarke
Rachel El-Azzi
Jack McGovern

Lendlease, Samsung and Bouygues Joint Venture

Project Director
Tunnelling Director
Traffic Manager
Environment & Sustainability Manager
Engagement Manager

Andrew Marsonet
Mario Buterin
Denis Fung
Grant Sainsbury
Sanjin Muhic

**Department of Planning, Industry and Environment
(DPIE)**

Rob Sherry
Thomas Minchin
Timothy Collis

**Environmental Protection Authority
(EPA)**

Aleksandra Young

Inner West Council

Kendall Banfield
Manod Wickramasinghe

City of Sydney Council

Elise Webster
Asad Rajbhoy

Community Members

Leichhardt Against WestConnex – LAW
Community Resident
Community Resident
Haberfield P&C
Community Resident
Community Resident
Community Resident

Christina J Valentine
Catherine Gemmell
Jennifer Aaron
Sharon Laura
Cynthia Louise Moore
Sherrill Nixon
Paul Rupil

Apologies:

Erran Woodward
Merilyn Fairskye
Ann-Therese King

Meeting Notes

Key Matters Discussed and Presented

1. Welcome and introductions by IC

1.1. Questions asked online through the chat functionality which are not addressed during the meeting will be answered in the notes as a “Post meeting response”.

2. New M5 Project Update by TfNSW Presentation attached.

2.1. How many trees will be planted around the St Peters Interchange?

2.1.1. 650,000 trees and shrubs will be planted in the St Peters interchange over course of the project. Of these plantings approximately 17,000 to 20,000 will be trees.

2.2. Will the trees that were removed on Houston Road be replaced?

2.2.1. Yes. Trees will be replaced; however, they may not be planted in the same location of the trees that were removed from.

2.2.2. TfNSW made some design changes which resulted in some trees being retained, that were originally planned for removal. This change was at the intersection of Euston Road and Huntley Street.

2.3. Have residents affected by construction noise, particularly residents near 125 Euston Road been offered noise mitigation measures, such as alternative accommodation?

2.3.1. Yes, alternative accommodation was offered to affected residents. 125 Euston Road is a building that has been particularly affected by construction noise. For this instance, thickened glass has been installed in apartments at this building.

2.3.2. TfNSW has taken over management of property noise mitigation and treatment from the contractor for this property.

2.4. How many trees were removed to build the New M5 project?

2.4.1. An estimated 6,000 trees were removed, a vegetation replacement program is in place.

2.5. Will there be shade sails installed for the equipment in Linear Park, located at Tallawalla Reserve Park?

2.5.1.2.5.1 Upgrades at Tallawalla Reserve did not include a play area, the existing play area does have a large shade cloth.

2.5.2. Information regarding Linear Park Enhancement works can be found in the following link:

https://www.westconnex.com.au/sites/default/files/M5_Linear_Park%20Enhancements%20-%20Tallawalla%20Reserve%20-%20work%20notification%20-%209%20December%202019.pdf

2.6. Is the signalised crossing at the intersection of Campbell Street, and St Peters Street in St Peters operational?

2.6.1. The signalised crossing not been commissioned. Further information will be provided closer to commissioning.

2.7. What additional construction is now taking place at St Peters due to COVID-19 expanded construction hours?

2.7.1. Some additional road closures have been put in place to take advantage of lower traffic volume, however key construction was the resheeting of the M5 East motorway over Easter. The contractor utilised the extended hours at the western end of the tunnel.

2.8. Are there road safety design regulations that would prevent planting shade trees at some of the large intersections in St Peters?

2.8.1. **Post meeting response:** No, there are no road safety design regulations preventing shade trees at large intersections, however, investigations are ongoing regarding potential disruption of tree roots to underground utilities.

3. M4-M5 Link project update by LSBJV Presentation attached.

3.1. Is the Sydney Water asset at Newtown a water supply plant or sewerage plant?

3.1.1. **Post meeting response:** The Sydney Water assets referred to in the construction update presentation are existing underground potable water supply tunnels.

3.2. How much land has been taken for tunnelling and other works on Hawthorne Parade?

3.2.1. **Post meeting response:** The land shown in this notification link is what is required to complete the work along either side of the Hawthorne Canal:

https://www.westconnex.com.au/sites/default/files/200221_MT163_Surface%20Grout%20Hawthorne%20Canal_WEB%20COPY_0.pdf

3.3. How many car spaces have been impacted by the work at Hawthorne Canal?

3.3.1. Five car spaces at Hawthorne Parade for the entry/exit points of surface grouting and an estimated 20 spaces along Canal Road are not available while the work is being carried out at this location. There are no line marked parking bays at this location, so the estimate is based on size of the land affected at any one time.

3.4. The community have heard that construction work can now take place 24 hours a day, 7 days a week due to the extended COVID-19 hours. Has work during the extended hours taken place, and how much?

3.4.1. Construction hours have been extended as a result of Covid-19, rather than construction work permitted 24 hours a day, 7 days a week. The only use of extended construction hours for the M4-M5 Link project have been civils work at the Campbell Road civil and tunnel site in St Peters over the Easter weekend. Other tunnelling activities are already approved to occur continuously throughout the day and night.

3.5. Was there construction work occurring at Hawthorne Canal and Hawthorne Parade over Easter?

3.5.1. No construction work was carried over the Easter period at Hawthorne Canal or Hawthorne Parade. Security was on site, but no construction work occurred.

3.6. Do the Ministerial Orders affect the Environmental Protection Authority (EPA) Out of Hours work protocols?

3.6.1. **Post meeting response:** The EPA regulates noise impacts from infrastructure construction projects through Environmental Protection Licences (EPLs), which may reflect best practice consistent with the Interim Construction Noise Guideline (ICNG), usually by using permitted hours of work. The EPA does not have a 'protocol' for out of hours works at the outset.

3.6.2. The Environmental Planning and Assessment (COVID-19 Development –Construction Work Days) Order 2020 of 2 April 2020 and The Environmental Planning and Assessment (COVID-19 Development –Infrastructure Construction Work Days) Order 2020 of 9 April 2020 override any EPL conditions which might limit construction/demolition on Saturdays, Sundays and public holidays during the hours already permitted on Mondays to Fridays.

The effect is that specific EPL conditions about hours of operation are 'switched off' to the extent of any inconsistency with the Orders.

3.6.3. In the additional hours, where work would not ordinarily be allowed under the development consent, the Orders are clear that rock breaking, rock hammering, sheet piling, pile driving, or similar activities are not permitted and all reasonable and feasible measures to minimise noise must be implemented. The exception to this is where works are approved under another approval pathway. More information is available at: <https://www.epa.nsw.gov.au/licensing-and-regulation/licensing/environment-protection-licences/guide-to-licensing/epa-response-to-covid-19>.

3.6.4. The Department of Planning, Industry and Environment has further information about the Ministerial Orders available on its website at the following link:

<https://www.planning.nsw.gov.au/Policy-and-Legislation/COVID19-response>

3.6.5. Ministerial orders : <https://www.legislation.nsw.gov.au/#/gazettes/2020> Government Gazette No 75 of 9 April 2020

3.7. When will the multipurpose courts on Hawthorne Parade be completed?

3.7.1. The reinstatement of the multipurpose courts is on schedule to be completed in September. The green areas and park reinstatement requirements have been the subject of discussion with Inner West Council.

3.8. When will the pathway at Blackmore Oval be accessible to the community? There is currently construction work blocking the path.

3.8.1. There are holes being drilled at the edge of Blackmore Oval, and along Canal Rd past the Canal Road Film Centre. This work will continue over the next few months and is scheduled to be completed by September 2020 however pedestrian access through the site is maintained. It is possible that some areas will progressively open earlier as construction work in that area is completed.

3.9. Have there been any complaints about noise in relation to construction near Hawthorne Canal?

3.9.1. To date, four complaints have been received: one regarding access, one regarding impact on tree root, one regarding an unattended truck and one regarding the work being carried out.

3.10. What measures are being taken to mitigate strong odours that the community have noticed which members believe is from diesel equipment emissions at Hawthorne Parade?

3.10.1. A diesel generator is in use at the site, however this issue has not been raised by adjacent community members to date. **Post meeting response:** Following the meeting the site team was consulted and confirmed the diesel generator is regularly serviced.

3.11. Will work be carried out on Sundays around Hawthorne Parade?

- 3.11.1. Taken on notice.
- 3.12. When is tunnelling excavation expected to reach Hawthorne Parade?
 - 3.12.1. Tunnel excavation from the Haberfield end is expected to reach Hawthorne Parade in August 2020, depending on ground conditions.
- 3.13. What noise mitigation measures have been offered to residents in the vicinity of Hawthorne Parade who have been experiencing construction noise?
 - 3.13.1. To date only one noise complaint has been received. Work at this site has only been carried out during standard construction hours and noise blankets were installed along the fence line to mitigate noise from the drilling equipment.
- 3.14. Is it possible that people will hear noise or feel vibrations from the civil works in the tunnel after the major tunnelling has passed through an area?
 - 3.14.1. It is possible that some properties may feel some impact when trenching excavation work occurs. The trenching machine itself is unlikely to cause the noise or vibrations but if excavators with hammer attachments are used, the stratum of the subsurface might propagate some noise or vibration.
- 3.15. The community commented that tunnelling and benching work can be heard, and vibrations are felt.
- 3.16. Who is responsible for the material used when backfilling the access to the tunnel when the project is completed? What recycled or green materials can be used to backfill?
 - 3.16.1. LSBJV are responsible for backfilling, however the material used for backfilling must be approved in the design by M4-M5 Link Group & TfNSW
- 3.17. What percentage of trucks servicing the project are spoil trucks and does the Virtual Superintendent tracking technology record trucks that are not spoil trucks?
 - 3.17.1. The Virtual Superintendent tracks spoil trucks only. Spoil removal makes up the majority of truck movements.
 - 3.17.2. Taken on notice.
- 3.18. What measures does LSBJV take to maximise safety and minimise the danger from truck movements?
 - 3.18.1. In addition to tracking trucks using GPS and the Virtual Superintendent software, there are a number of measures undertaken. Trucks manufactured over seven years ago are not permitted to work on the project. Trucks must have dash cameras, and drivers undertake mandatory drug and alcohol tests. Compliance testing and audits are performed on trucks, ensuring that they are road worthy. Load and load weighing occur on-site to ensure the trucks are not overloaded. Supervisors are also often on the road from 5 am, observing the behaviour of truck drivers.

3.19. When does the GPS tracking of trucks begin, does it begin from their first movement on any day?

3.19.1. Spoil trucks are monitored and tracked from the time the driver starts the truck at the start of the day.

3.20. Does the Virtual Superintendent track breaches, exceedances, or speeding?

3.20.1. GPS technology is not a good tool for tracking speed. Trucks have speeding tools installed which store the speed data of each truck. This data is downloaded and checked. Supervisors also ensure that truck drivers are not speeding and when speed infringements are registered the drivers are disciplined.

3.21. Can the technology track those trucks which are not spoil trucks, and if not why is this not possible?

3.21.1. The Minister's Conditions of Approval require that the project tracks spoil truck movements.

3.22. What can TfNSW do to make roads with trucks travelling regularly on them safer for the community?

3.22.1. Taken on notice.

3.23. What percentage of trucks accessing WestConnex sites are not GPS monitored?

3.23.1. Taken on notice.

4. Any other business

4.1. What shift times result in increased traffic around Alt Street, Ashfield?

4.1.1. The main tunnelling shifts at Haberfield are from 6am – 4pm and 8pm – 6am. During the day, up to 130 vehicles use the carparks on Parramatta Road (east). The second carpark on Parramatta Road (west) will open soon. In the evening, up to 60 vehicles use the carpark. The area is actively policed by the team and the project is exploring installing a CCTV camera to deter inappropriate entry and exit of the carpark.

4.2. Can project drivers be encouraged to use the arterial roads around Alt Street rather than the local roads?

4.2.1. Project drivers are encouraged through toolbox talks to use arterial roads and to arrive and leave quietly however, from a legal perspective they cannot be forced to use arterial roads in their private vehicles.

4.3. Is the office at Parramatta Road and Bland Street currently being used? There are many vehicles observed regularly using and parking on Bland Street.

4.3.1. Yes, the building is being used as a remote office for the M4-M5 Link. It was also being used for final completion of work relating to Haberfield Gardens, and for completions work relating to the New M4 Tunnels. The office will be used until the end of the project (2023).

4.4. How many people working at the office located at Parramatta Road and Bland Street, park on Bland Street?

4.4.1. On average, four to five staff would use the office at any one time. The office can also accommodate four to five parked vehicles.

4.5. Have the utilities work at Wattle Street near Ash Lane been completed?

4.5.1. Utilities work at Wattle Street near Ash Lane was carried out last week and more work will take place intermittently later this year and in 2021.

4.5.2. Taken on notice.

4.6. What actions can the community take if there are trucks on local streets, which do not have WestConnex identification on them but may be subcontracted to WestConnex?

4.6.1. The community can report the trucks to : info@westconnex.com.au, info@m4-m5linktunnels.com.au or info@rozelleinterchange.com.au or call 1800 660248.

4.6.2. LSBJV will investigate any potential breaches. Apart from spoil trucks, the majority of other construction trucks are concrete trucks or delivery trucks that go to other sites. All vehicles are required to follow a vehicle management plan.

4.6.3. **Post meeting response:** Proximity of most of the M4-M5 Link Tunnel project sites to the main road means there is little reason for trucks to use local roads and where it is close to local roads, approved vehicle movement plans are regularly reissued to contractors and suppliers. The M4-M5 Link Tunnels project also has little utility work in local streets and the large geotechnical investigation work was largely completed in 2019.

4.7. The community members thanked the contractor for their attendance and the information provided to the community.

5. Close

Meeting closed at 8:00pm

These minutes were accepted on 14 July 2020 by



Stephen Lancken

Independent Chair

ACTIONS ARISING

Item	Actions Arising	Timeframe	Responsibility / Status Update	Response
2.8	Are there road safety design regulations that would prevent planting shade trees at some of the large intersections in St Peters?			Answered in notes
3.1	Is the Sydney Water asset at Newtown a water supply plant or sewerage plant?			Answered in notes
3.2	How much land has been taken for tunnelling and other works on Hawthorne Parade?			Answered in notes
3.6	Do the Ministerial Orders affect the EPA Out of Hours work protocols?		EPA	Answered in notes
3.10	What measures are being taken to mitigate strong odours that the community have noticed which members believe is from diesel equipment emissions at Hawthorne Parade?			Answered in notes
3.11	Will surface grouting work be carried out on Sundays around Hawthorne Parade?		LSBJV	Surface grouting work is not being carried out on Sundays around Hawthorne Parade. Work on the Western side has been completed and work on the eastern side is progressing well.

3.17	What percentage of trucks servicing the project are spoil trucks and does the Virtual Superintendent tracking technology record trucks that are not spoil trucks?		LSBJV	Approximately 85% of daily heavy vehicle movements on the M4-M5 Link Tunnels project are performed by spoil trucks and 100% of these are GPS tracked through Virtual Superintendent. Concrete supplies GPS track their agitator trucks, but this is not via Virtual Superintendent.
3.22	What can TfNSW do to make roads with trucks travelling regularly on them safer for the community?			Transport for NSW and our contractors associated with the M4-M5 Link are committed to safety during construction of the project. Heavy vehicles only use routes approved in the Traffic and Transport Access Management Plan which ensures that all traffic and pedestrian impacts during construction are minimised and are within the scope permitted by the planning approval.
3.23	What percentage of trucks accessing WestConnex sites are not GPS monitored?		LSBJV	Approximately 15% of daily heavy vehicle movements on the M4-M5 Link Tunnels project are not GPS tracked through Virtual Superintendent.
4.5	Have the utilities work at Wattle Street near Ash Lane been completed?		LSBJV	LSBJV are meeting with the resident to discuss the future work around Wattle Street.

Transport for NSW

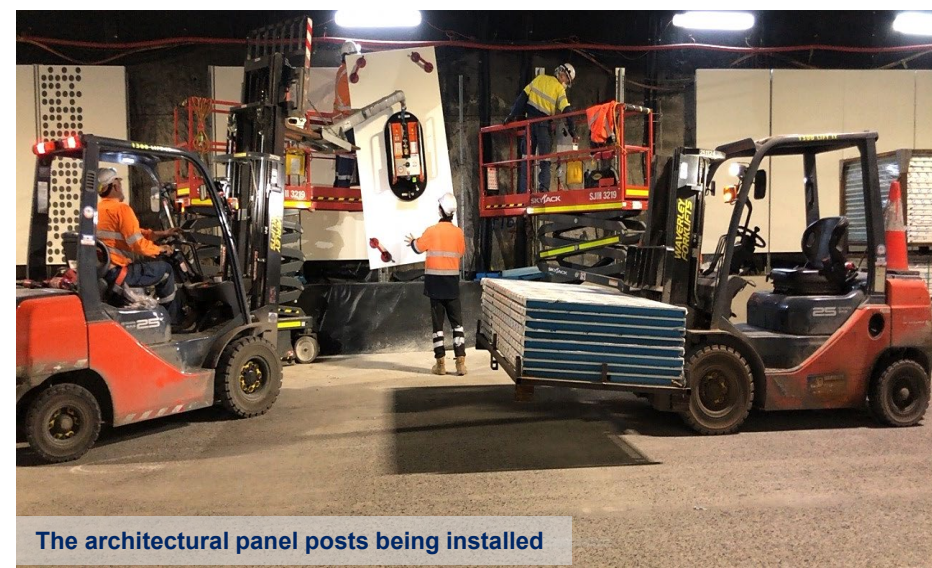
WestConnex Community Reference Group New M5 and M4-M5 Link Tunnels

Wednesday 13 May 2020



New M5 – Project update

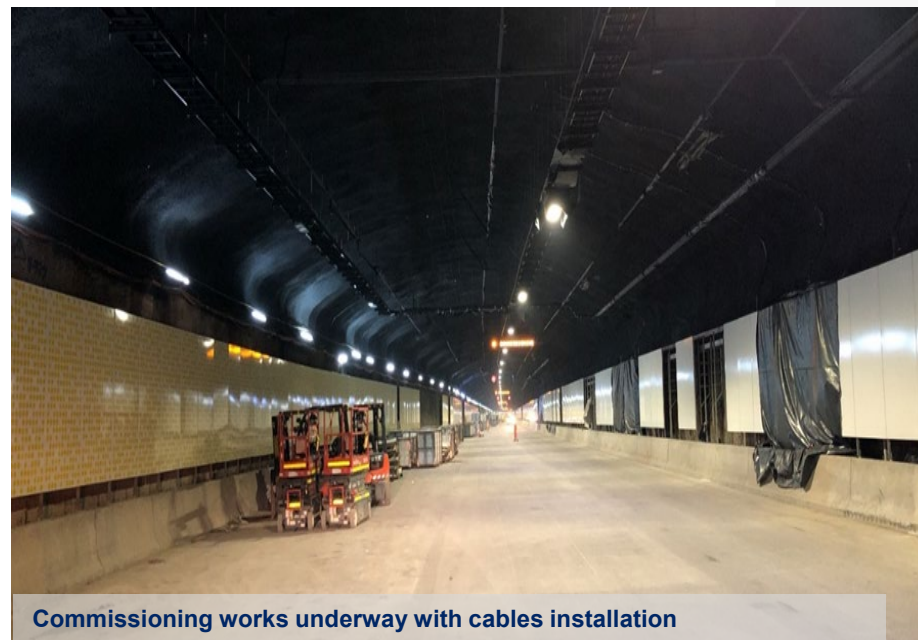
Tunnels



The architectural panel posts being installed



Lighting installation



Commissioning works underway with cables installation

New M5 – Project update

Local road upgrades - St Peters and Alexandria



New M5 – Project update

St Peters Interchange



New M5 – Project update

St Peters Interchange



SPI Landscaping



SPI Landscaping

New M5 – Project update

St Peters Interchange - Before



Former Alexandria Landfill. Clean-up was completed around February 2016 as part of the New M5 project

New M5 – Project update

St Peters Interchange - After



St Peters Interchange. Progress from 1st quarter of 2020

New M5 – Project update

Local road upgrades – St Peters and Alexandria



Sydney Park Road / Euston Road / Huntley Street intersection



M5 Linear Park – King Georges Road to Bexley Road

Tallawalla Reserve



M5 Linear Park – King Georges Road to Bexley Road

Tallawalla Reserve



WestConnex M4-M5 Link Tunnels



M4-M5 Link – Project update

Covis-19 response has been a focus



M4-M5 Link – Project update

Peak production with 28 road headers currently excavating



M4-M5 Link – Project update

Top heading excavation is more than 33% complete



M4-M5 Link – Project update

Bench and cross passage excavation work following behind



M4-M5 Link – Project update

In-tunnel civil work – trenching machine for drainage



M4-M5 Link – Project update

In-tunnel civil work – no fines concrete



M4-M5 Link – Project update

In-tunnel civil work – asphalt layer



M4-M5 Link – Project update

Mechanical & Electrical work starting over the coming weeks



M4-M5 Link – Project update

Work on the Campbell Road ventilation facility is continuing



M4-M5 Link – Project update

More land being handed over from the New M5 project



M4-M5 Link – Project update

Hawthorne Canal surface grouting work is ongoing



M4-M5 Link – Project update

Installation of monitoring equipment for Sydney Water assets under Newtown

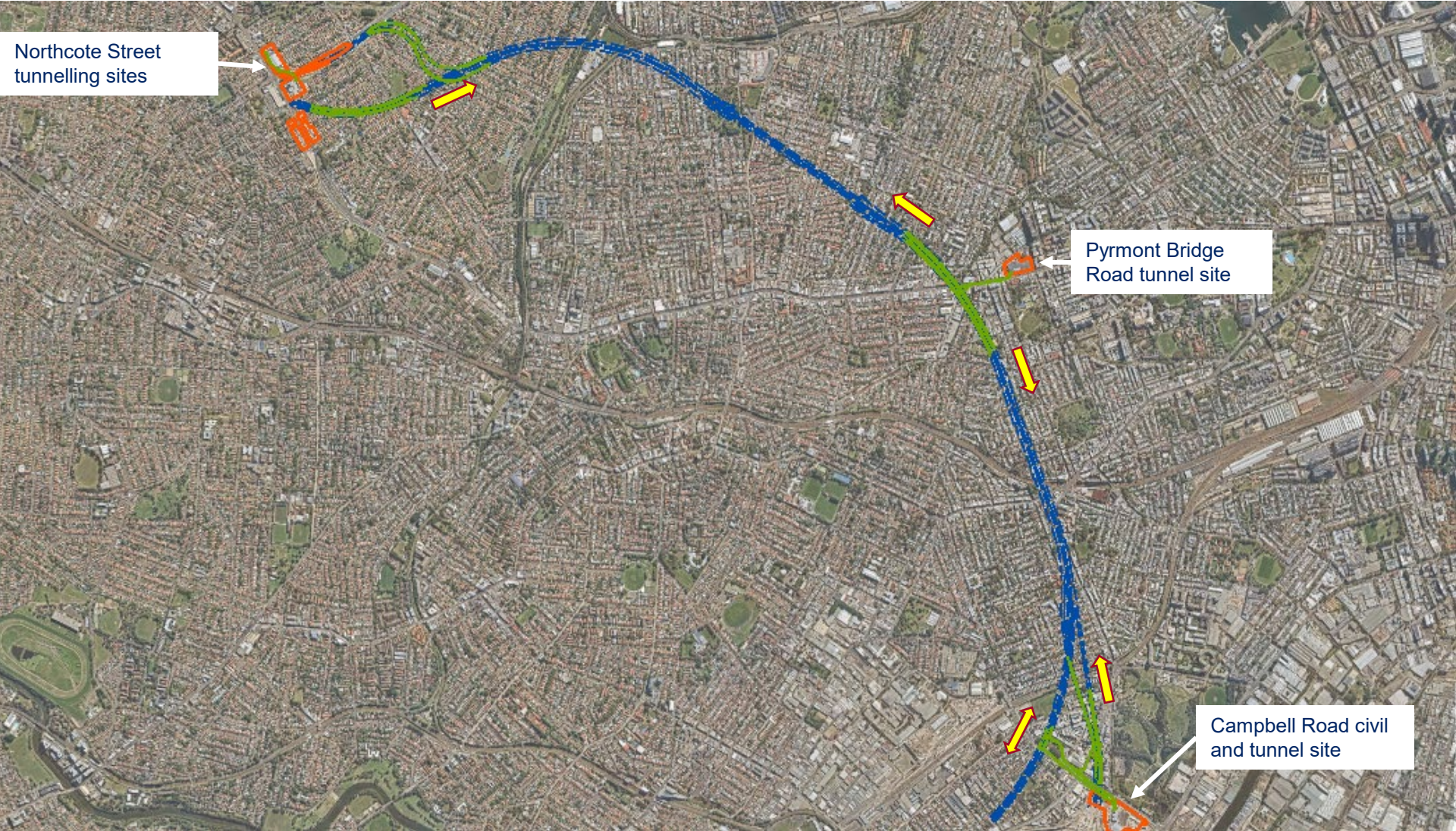


M4-M5 Link – Tunnelling progress

May 2020



M4-M5 Link - Overall project alignment



M4-M5 Link - Haberfield towards Leichhardt



Heading excavation to date █
Targeted excavation by August 2020 █

M4-M5 Link - Annandale towards Leichhardt

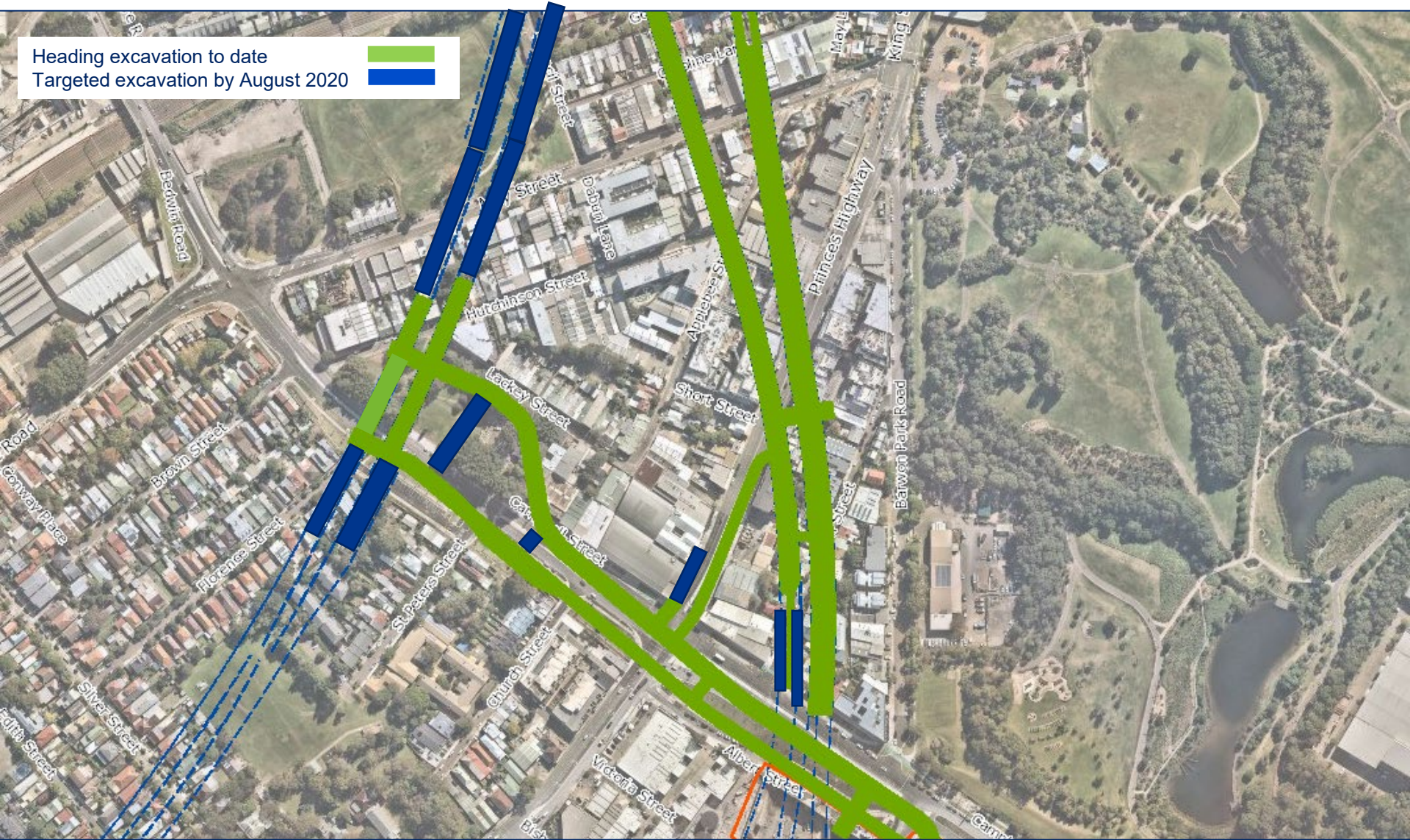


M4-M5 Link - Camperdown towards Newtown



M4-M5 Link - St Peters

Heading excavation to date
Targeted excavation by August 2020



M4-M5 Link - St Peters towards Newtown



WestConnex

M4-M5 Link Tunnels

Sustainability Update



Sustainability update

	Target	March	April
Water Reuse	15%	45%	46%
Spoil	80%	100%	100%
Waste	80%	93%	94%

- **Industry-leading water recycling rates**
- Top three spoil reuse locations
 - Western Sydney Airport
 - Lucas Heights
 - Leppington

WestConnex

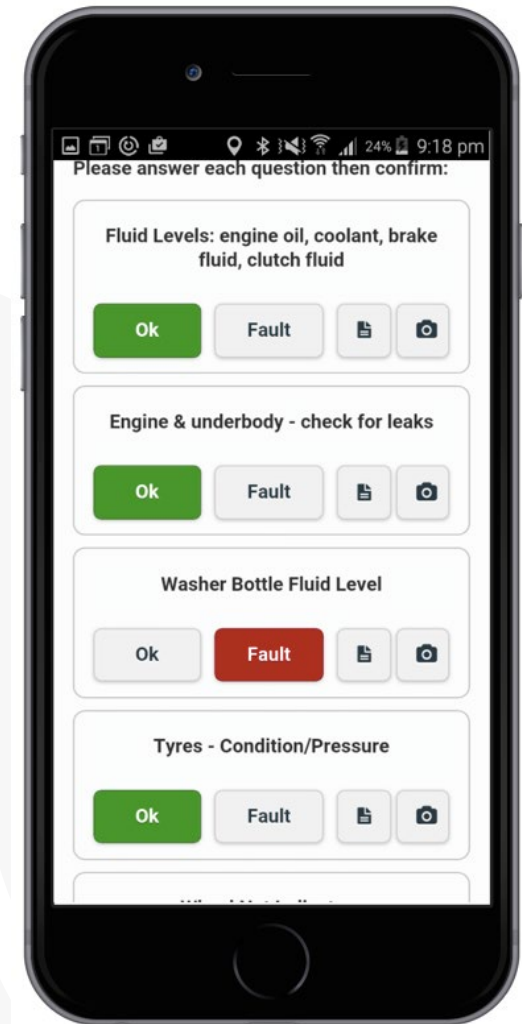
M4-M5 Link Tunnels

Virtual Superintendent



Virtual superintendent

- Developed in-house in response to MCoA E53 about monitoring spoil trucks
- Part of the Chain Of Responsibility process
 - Comprehensive prestart vehicle safety check
 - Record notes and add photographs for each item checked
 - Fatigue management



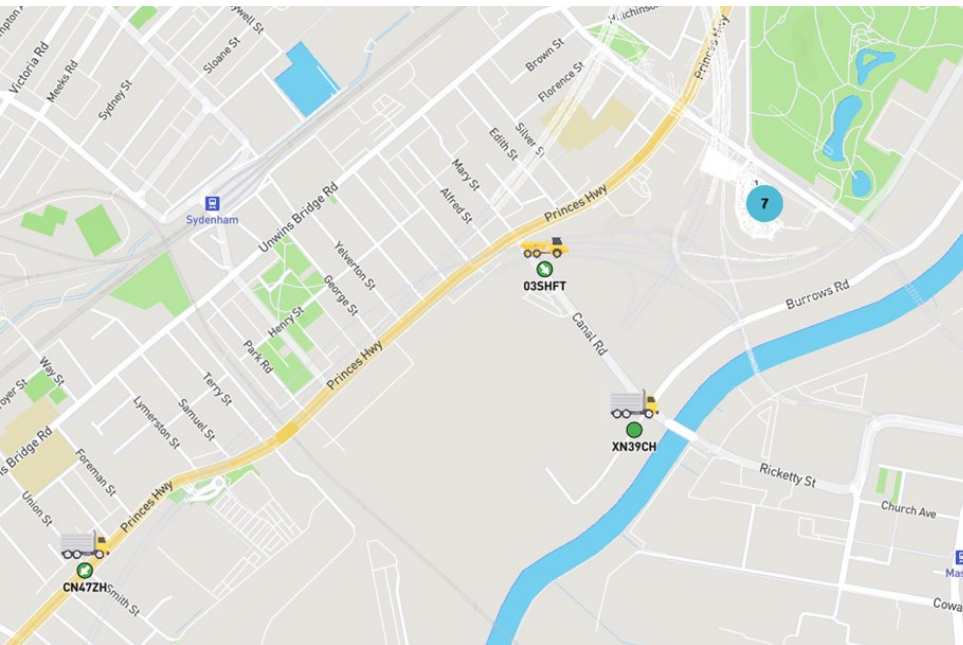
Virtual superintendent

- Up to date high resolution imagery used
- GPS tracking
- Individual truck monitoring
- Compliance monitoring
- Can replay truck movements



Virtual superintendent

- Mobile monitoring
- Traffic control room monitoring



M4-M5 Link Tunnels

How to contact us

Phone **1800 660 248**

Email **info@m4-m5linktunnels.com.au**