



SOUTH YARRA (EASTERN PORTAL) PRECINCT COMMUNITY REFERENCE GROUP

25 JUNE 2019



PROGRAM

PROGRESS UPDATE

Completed activities – Osborne Street site

- Pile break-back
- Eastern wall construction



Construction of the TBM retrieval shaft

PROGRESS UPDATE

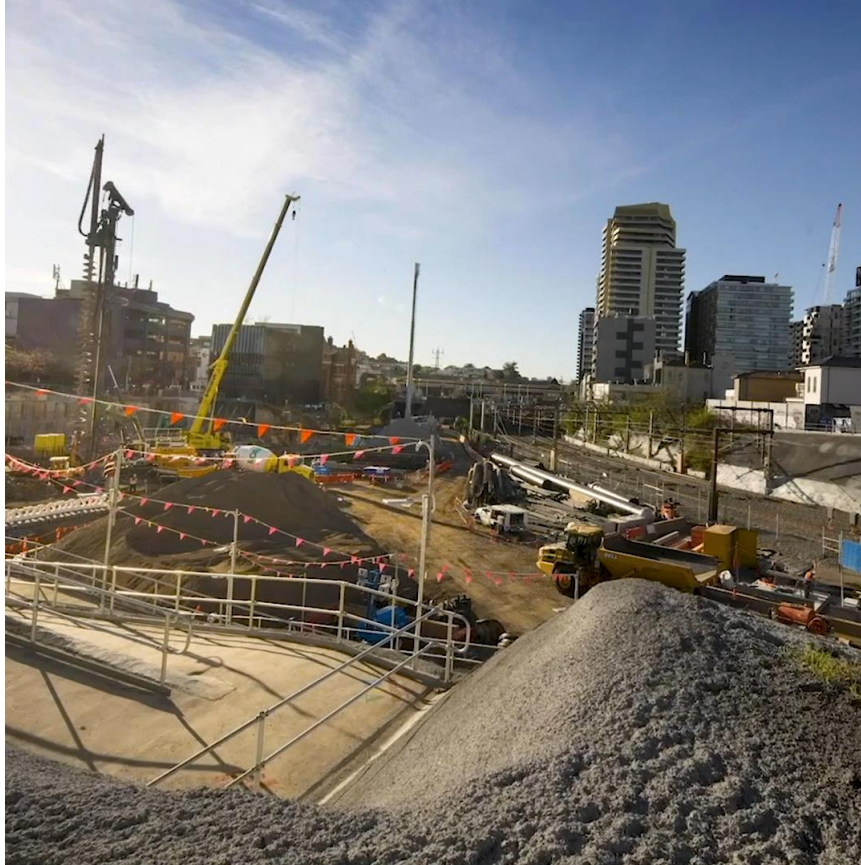
Completed activities – May/June rail occupation

- 24/7 works and rail shutdown
- Completed second stage of roof slab of the tunnel entrance
- Poured 520 cubic meters of concrete for the tunnel roof slab
- Installed 162 tonnes of steel reinforcement
- Installed 60 metre long drain pipe within roof slab
- Installed two kilometres of conduit from South Yarra Siding Reserve to Windsor station



Preparing the roof slab

MAY/JUNE 24/7 WORKS



MAY/JUNE 24/7 WORKS



Preparing the roof slab

MAY/JUNE 24/7 WORKS



Installing the drain pipe

MAY/JUNE 24/7 WORKS



Pouring the concrete for the roof slab

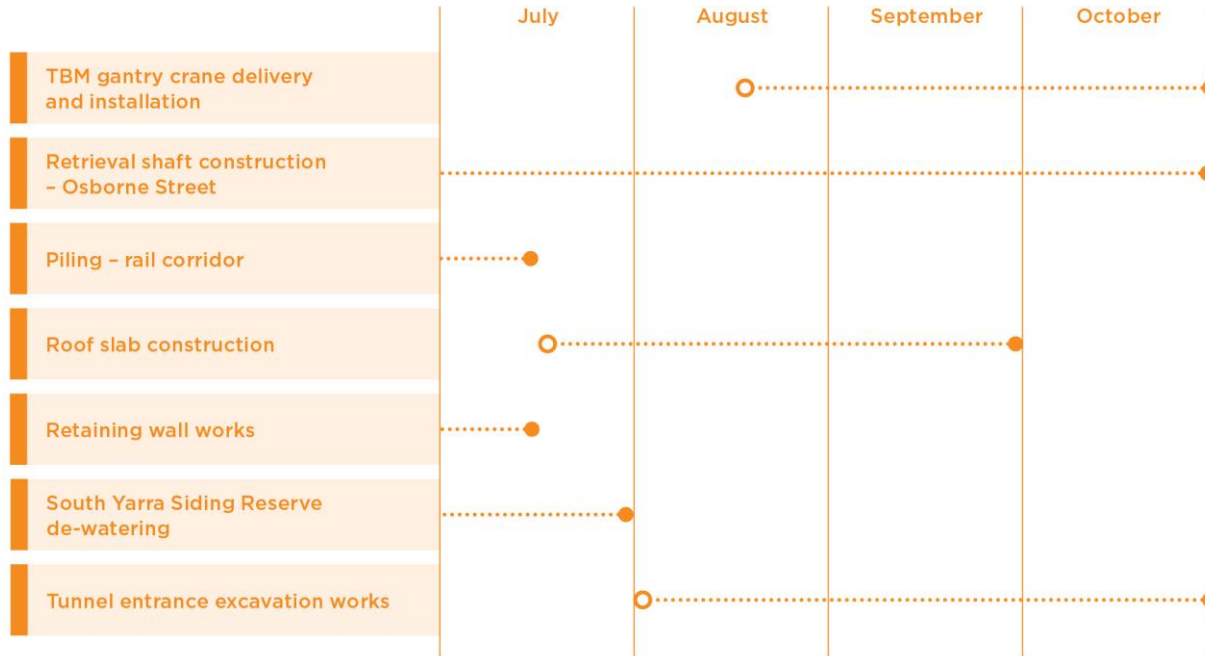
MAY/JUNE 24/7 WORKS



The tunnel roof slab

CONSTRUCTION PROGRAM

LOOK AHEAD FOR 2019



CONSTRUCTION LOOKAHEAD

Upcoming works

- Piling and pile break back for roof slab, William Street bridge abutments, excavation of tunnel and storm water detention tank
- Retaining wall works - Osborne Street and southern and northern edges of the Cranbourne / Pakenham and Frankston rail corridor east of William Street continues
- Installation of de-watering pumps within South Yarra Siding Reserve
- Installation of four vents for the tunnel excavation within South Yarra Siding Reserve
- Night works between William Street and Chapel Street until 27 June for rail signal upgrades



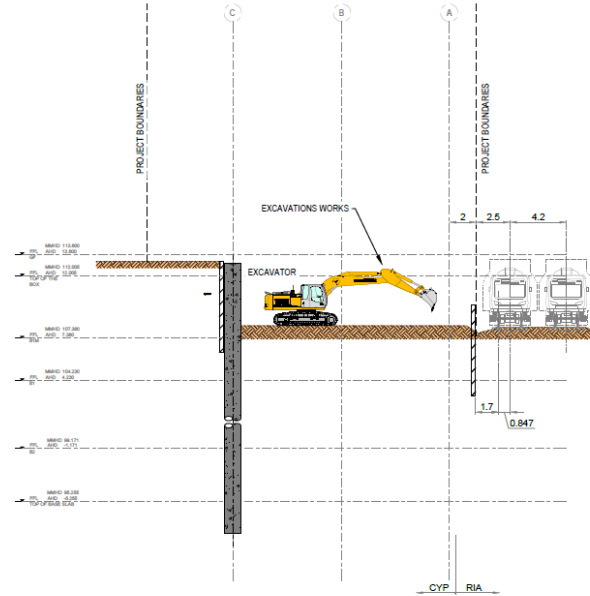
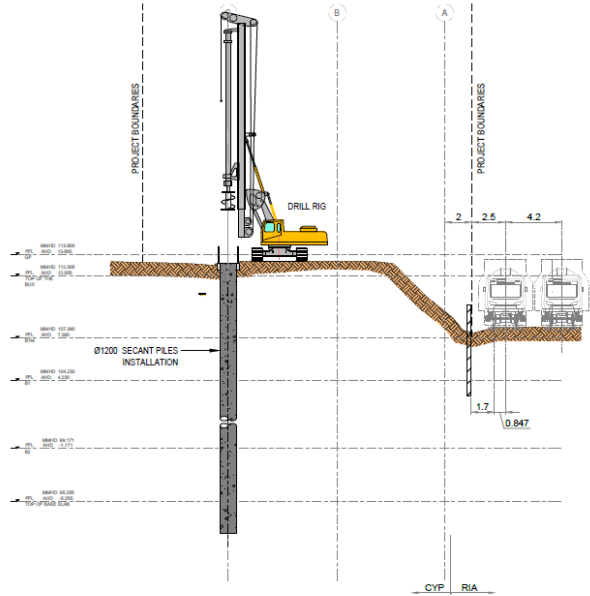


CONSTRUCTION LOOKAHEAD

Upcoming works - Osborne Street

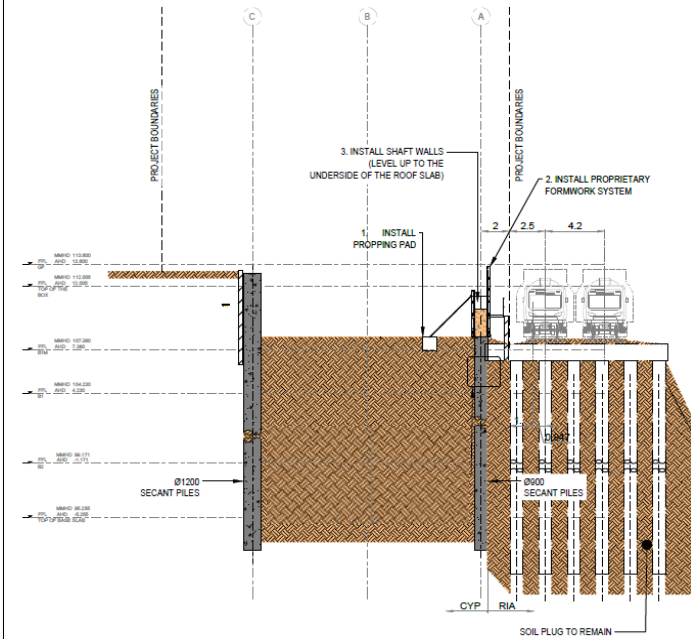
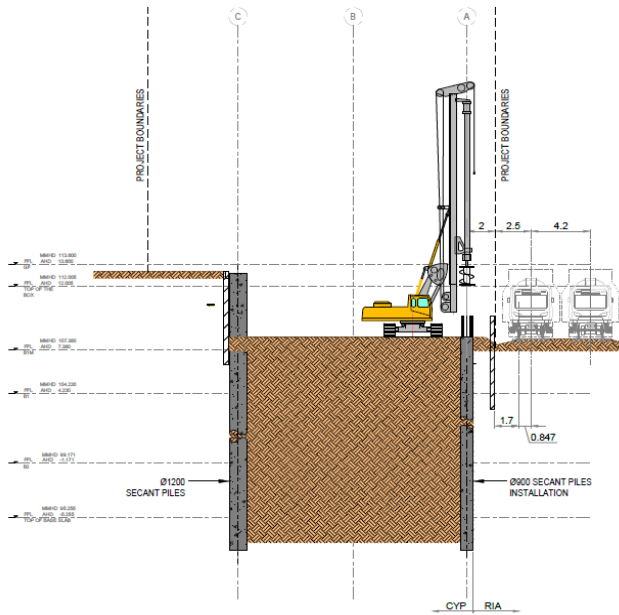
- Construction of the southern wall and northern roof of the TBM retrieval shaft
- Preparatory works for the installation of the gantry crane that will retrieve the two TBM cutter heads
- Crane delivery in late August/early September

OSBORNE STREET STAGING



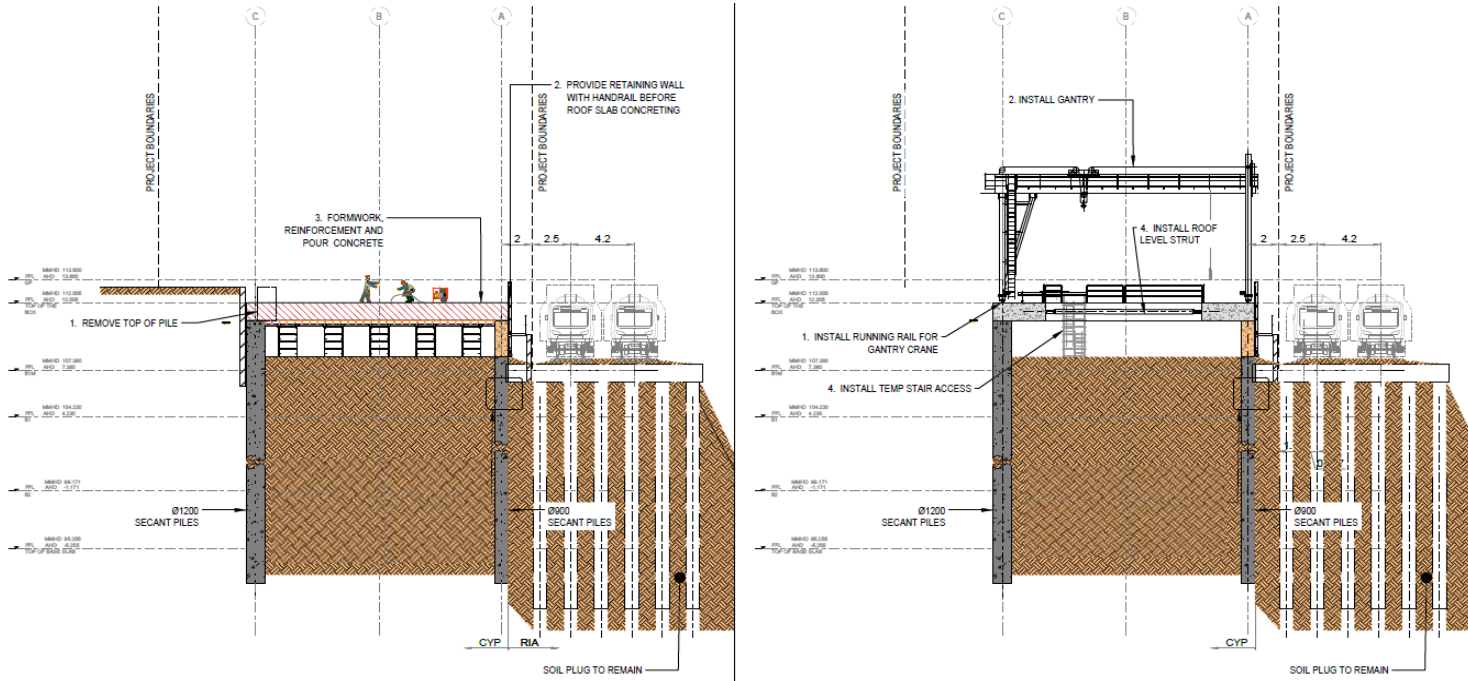
Completed

OSBORNE STREET STAGING



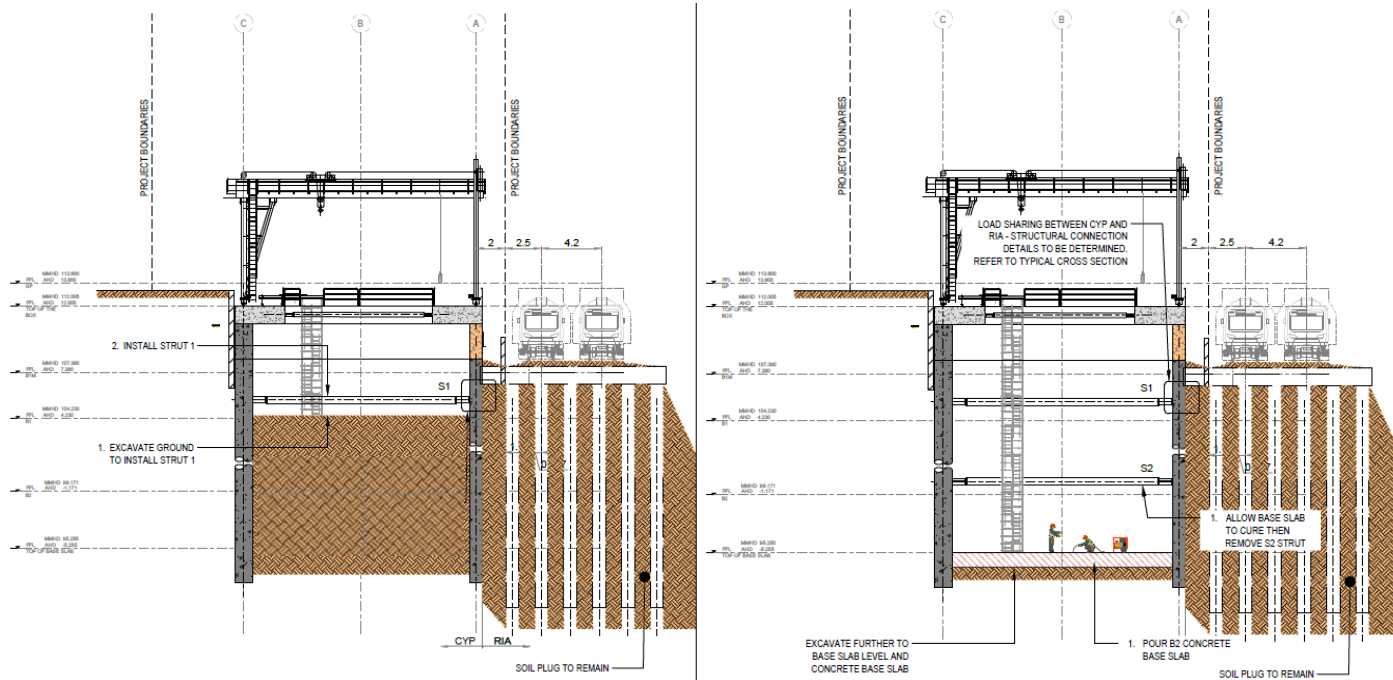
Completed

OSBORNE STREET STAGING



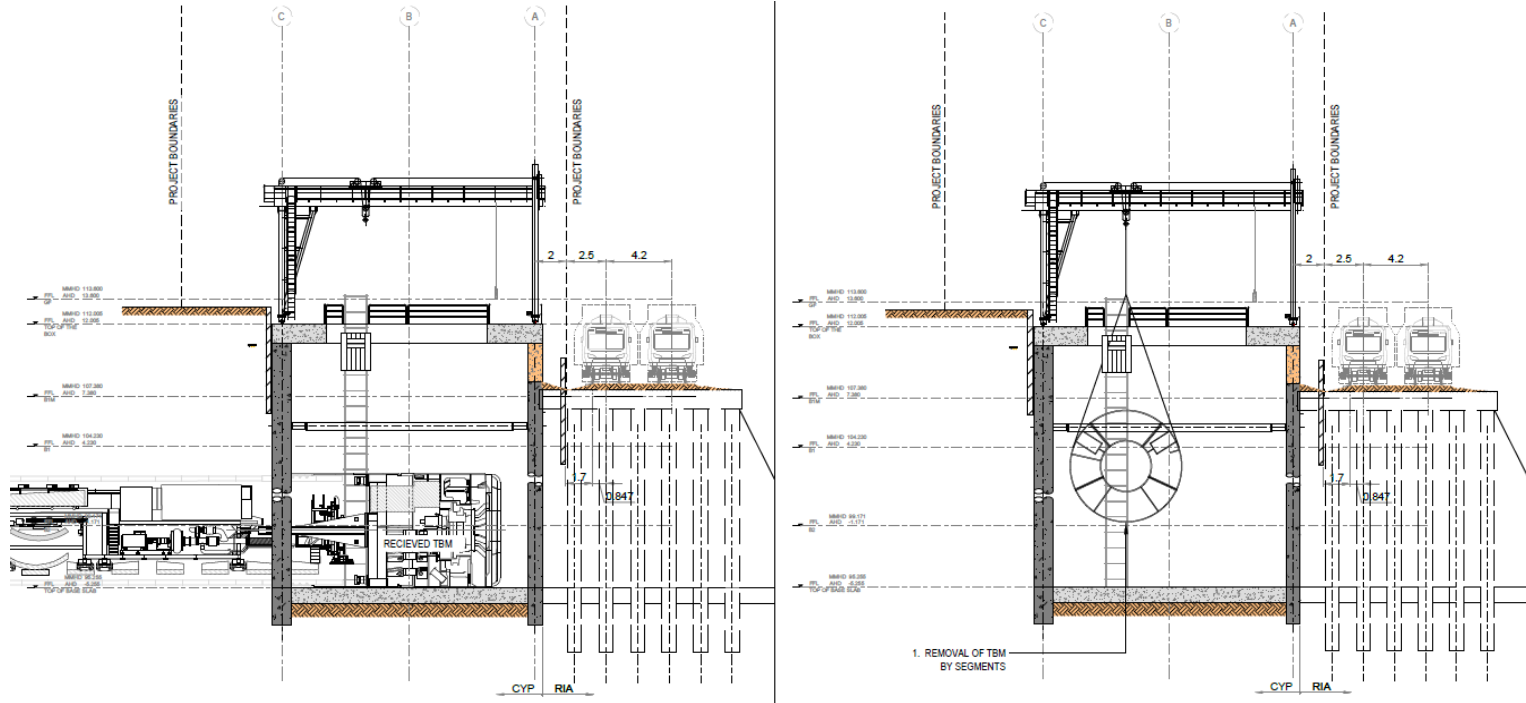
Current works

OSBORNE STREET STAGING



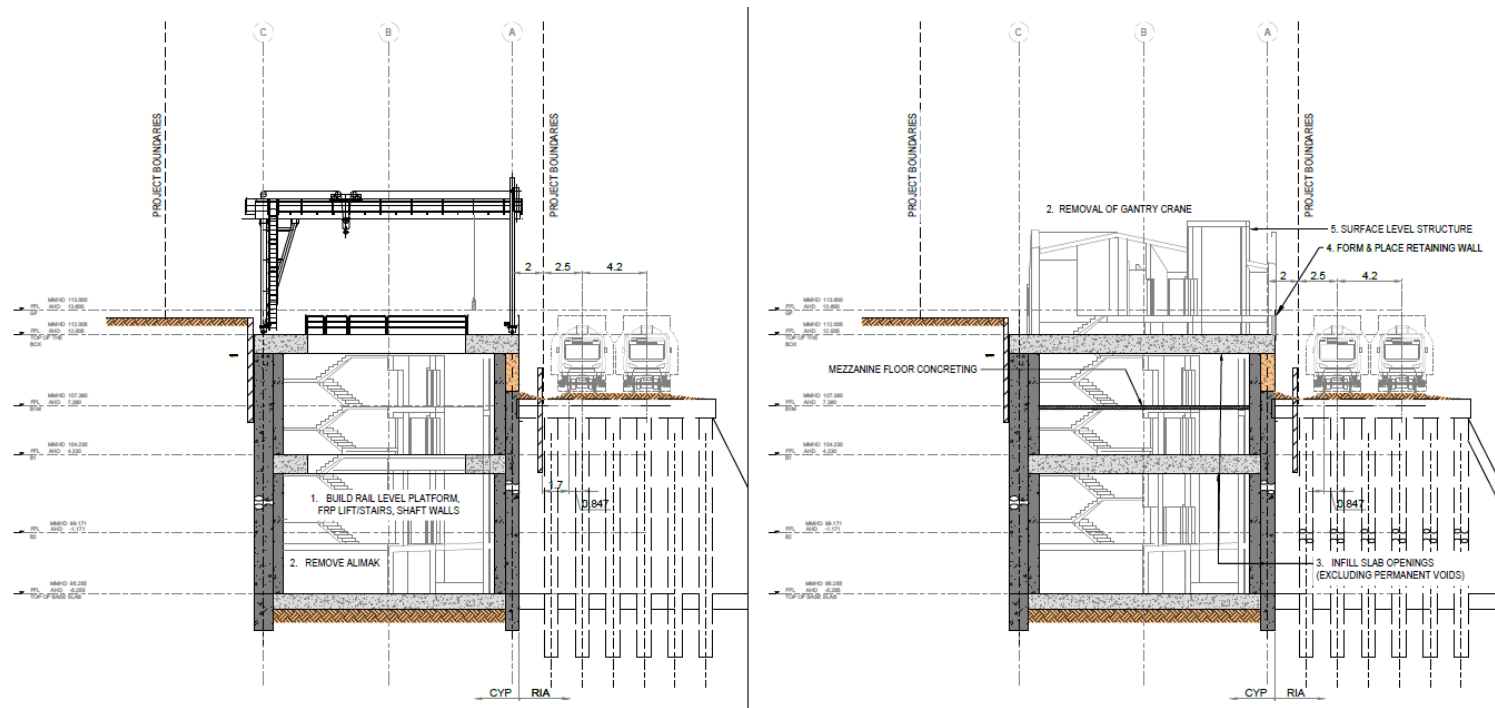
Upcoming

OSBORNE STREET STAGING



Late 2020

OSBORNE STREET STAGING



Final stages



COMMUNITY UPDATE

COMMUNICATIONS

Community update

- Worked closely with residents and businesses to navigate the May/June occupation
- Relocated 53 households in total (including eight during occupation)
- 17 complaints received (most actioned or resolved within 24hours)
- 3 compliments also received

Recent communications

- June Construction Update distributed to approx. 1,500 residents and businesses
- Additional notifications distributed in regards to work that took place in Palfreyman Street and works between Chapel Street and Hawksburn station
- SMS communications have taken place as reminders or urgent notifications
- July Construction Update is currently in development

COMMUNICATIONS

Business support

- Workforce directory, listing almost 90 businesses near the construction site, has recently been distributed to workforce and staff
- Using local businesses for respite vouchers, giveaways to commuters “surprise and delights”, etc



DEVELOPMENT PLAN UPDATE

Eastern Portal Development Plan

- The Eastern Portal Development Plan was recently approved by the Minister for Planning
- The approved Development Plan and the community engagement summary is available on the Metro Tunnel website
- Further community engagement will take place in the coming months as we seek feedback regarding elements of the urban design
- More information will be provided to the community and key stakeholders regarding further engagement opportunities when available

WINTER CONSTRUCTION BLITZ

JULY 24/7 WORKS

Rail corridor between Southern Cross and Caulfield stations

- 24/7 works from Friday 5 July to Monday 15 July to prepare the network for the Metro Tunnel
- Refurbishing overhead structures and equipment
- Installing new overhead wiring infrastructure
- Trenching and excavation works
- Upgrades to train network signalling
- Works expected to generate low levels of noise

For more information about these works, contact **1800 105 105**.

TRAFFIC AND TRANSPORT

TRANSPORT CHANGES

- As part of the Winter construction blitz, buses will replace trains on the **Frankston**, **Sandringham**, **Cranbourne** and **Pakenham** lines at various times between Saturday 6 and Sunday 28 July whilst major infrastructure upgrades are underway on the train network
- Visit ptv.vic.gov.au for journey planning and service information

TRAFFIC CHANGES

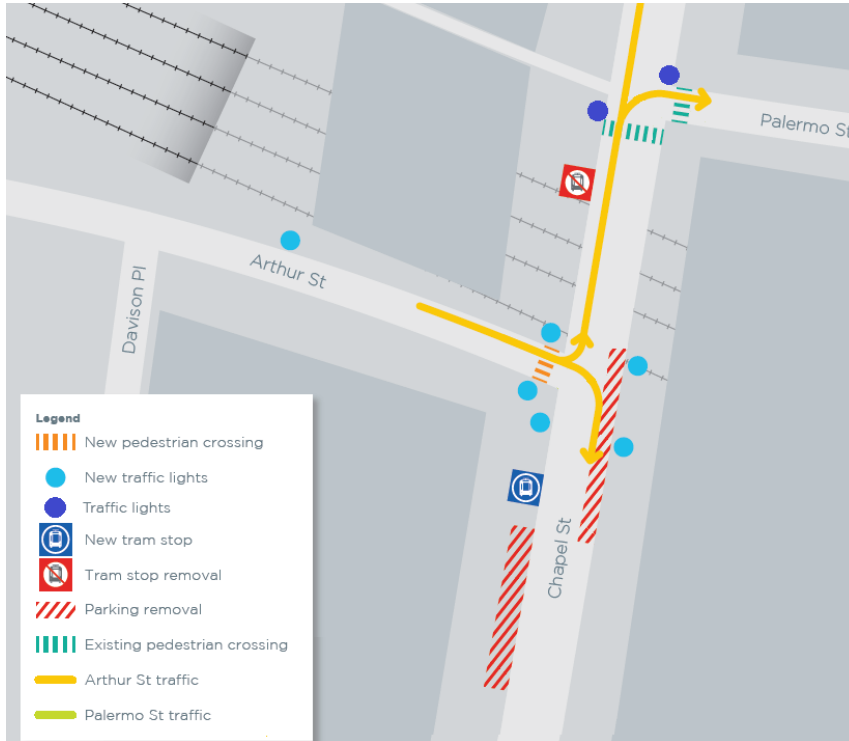
- No major upcoming traffic changes
- Trucks numbers in Arthur Street will remain consistent with current levels until William Street Bridge is reinstated



CHAPEL AND ARTHUR STREETS INTERSECTION

- The Project has worked closely with VicRoads to ensure the intersection of Chapel and Arthur streets complies with all relevant road laws
- Independent road safety audit conducted noted some drivers ‘propping’ at the blank lights. This was not considered a safety risk, therefore no additional signage was recommended
- Observed that driver behaviour improved over time
- The Project will continue to observe intersection operation and monitor driver and pedestrian behaviour

CHAPEL AND ARTHUR STREETS INTERSECTION



Blank lights displayed on Arthur Street green.

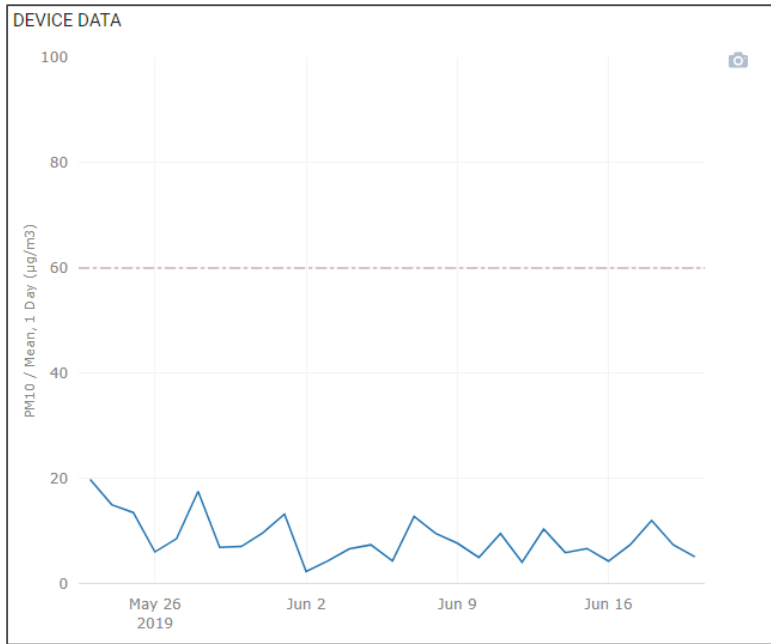


Green lights displayed on Arthur Street red.



ENVIRONMENTAL MANAGEMENT

AIR QUALITY MONITORING (PM10)

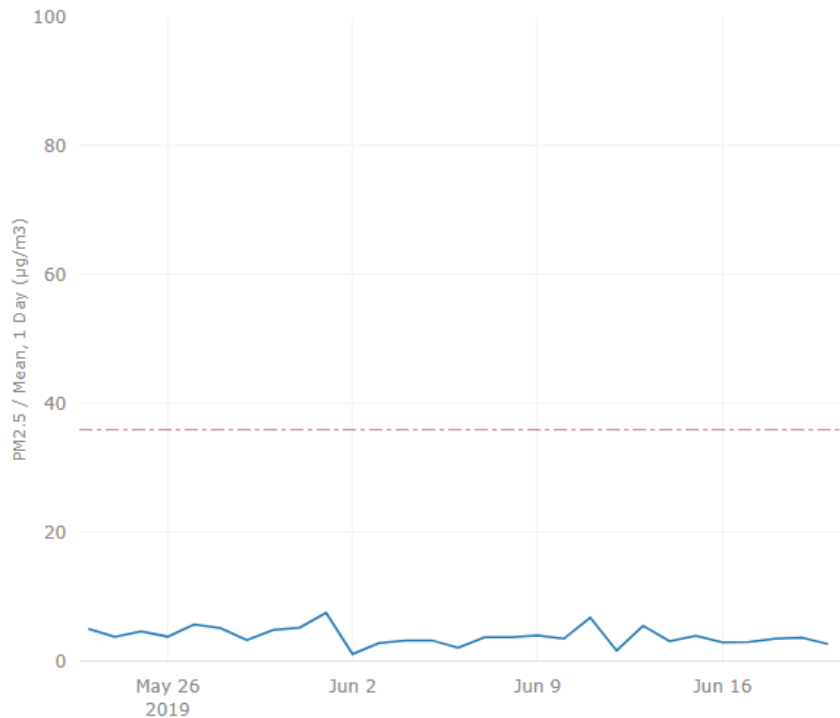


Location: Inside Osborne Street site

Range: 22 May – 20 June

AIR QUALITY MONITORING (PM2.5)

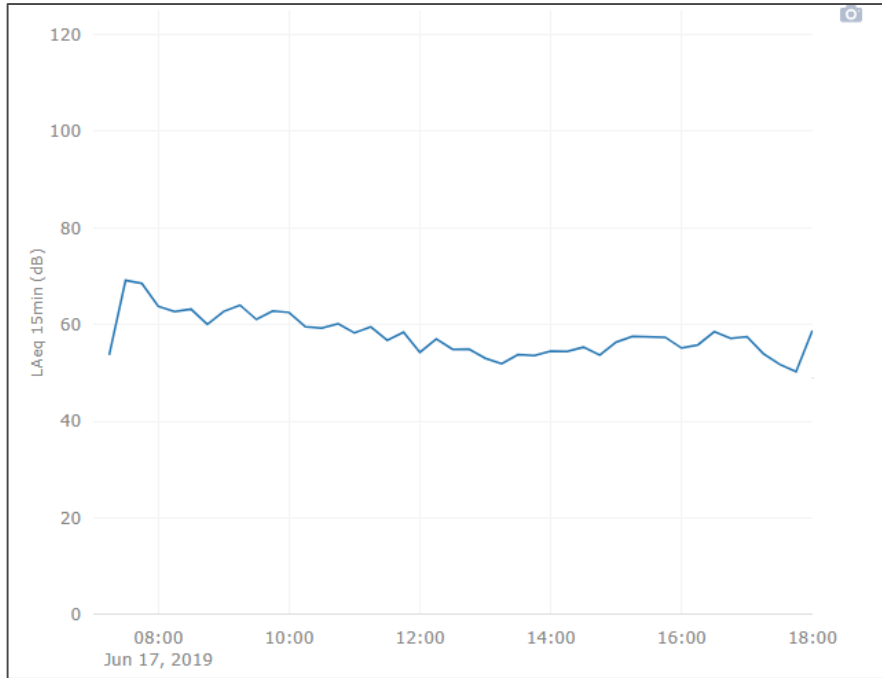
DEVICE DATA



Location: Inside Osborne Street site

Range: 22 May – 20 June

NOISE MONITORING (SINGLE DAY)



Location: Arthur Street
Date: 17 June

NOISE MONITORING (ONE WEEK)



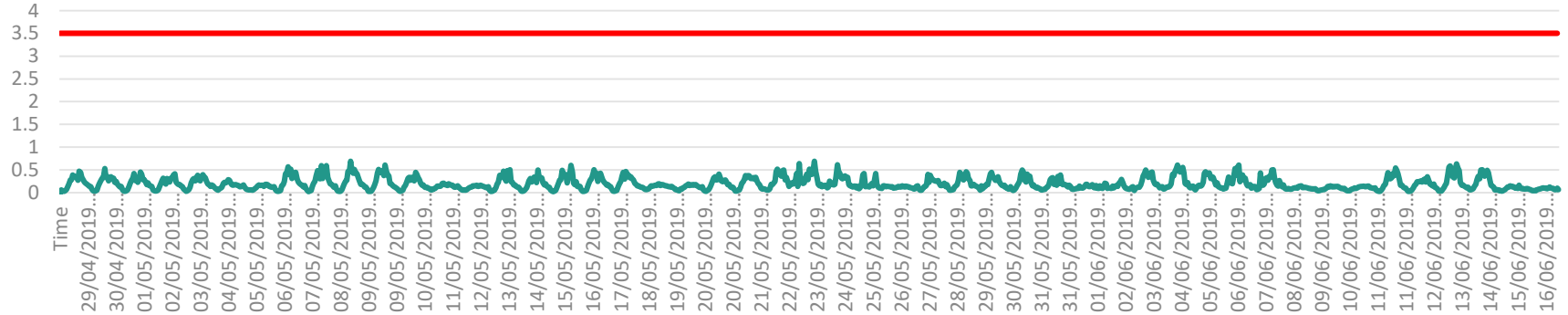
Location: Arthur Street

Range: 10 - 15 June

PH = Public Holiday (No works)

RDO = Rostered Day Off (No works)

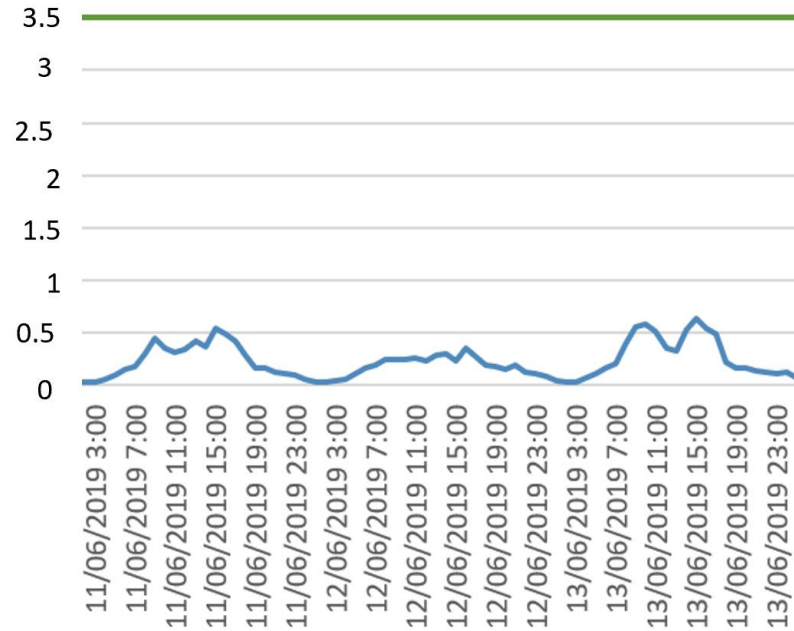
VIBRATION MONITORING



— 3.5mm sensitive structure threshold

VIBRATION MONITORING

Typical vibration over three days (PPV)



— 3.5mm sensitive structure threshold



QUESTIONS?



Western Portal

North Melbourne

Parkville

State Library

Town Hall

Anzac

Eastern Portal

The existing 'North Melbourne' station will be renamed West Melbourne.

South Kensington

West Melbourne

Melbourne Central

Flagstaff

Parliament

Southern Cross

Flinders Street

Richmond

South Yarra

Carabourne / Pakenham Line