



## SOUTH YARRA (EASTERN PORTAL) PRECINCT COMMUNITY REFERENCE GROUP

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10 DECEMBER 2019

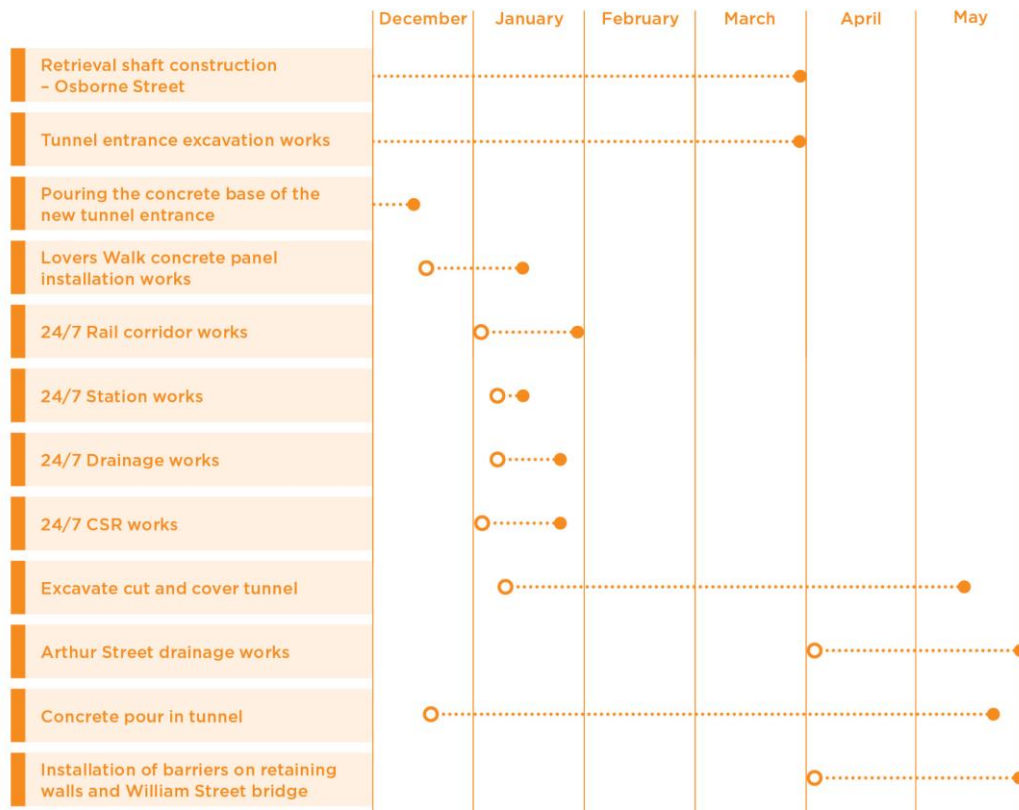
# THE EASTERN PORTAL – NOVEMBER 2019





# PROGRAM

# CONSTRUCTION LOOKAHEAD



*Approximate program only.*

*Timing and activities are subject to change.*

# TUNNEL ENTRANCE PROGRESS UPDATE



# WILLIAM STREET BRIDGE INSTALLATION



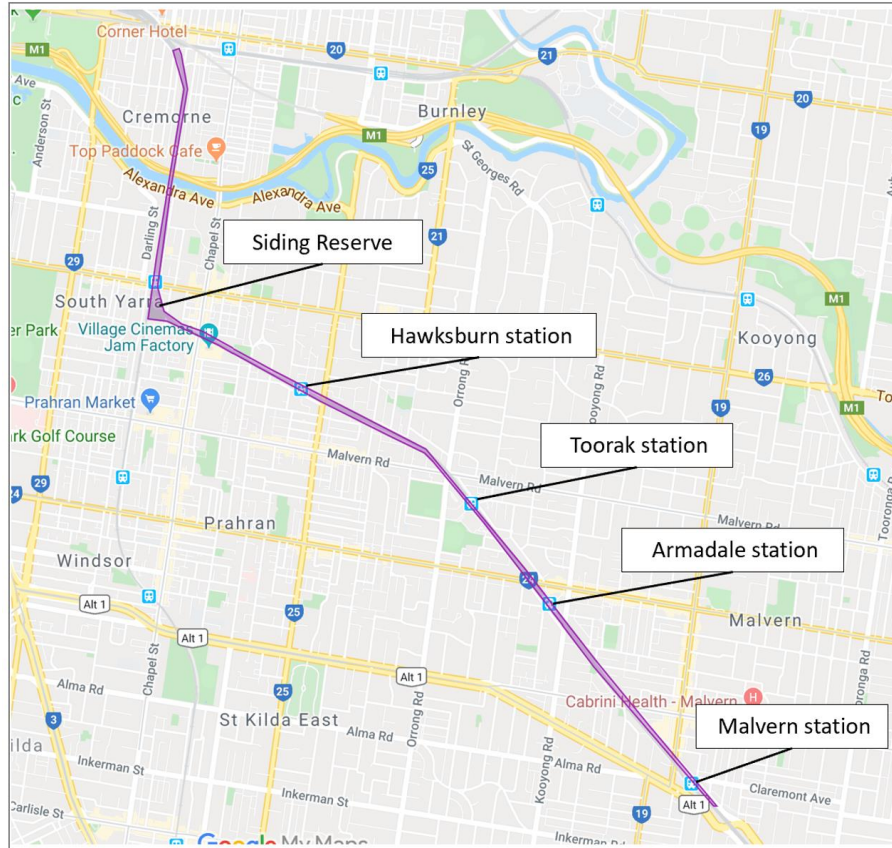
# JANUARY 24/7 WORKS

Significant 24/7 works will take place within the South Yarra Siding Reserve and the rail corridor between Toorak Road and Malvern station from **2-30 January 2020**.

Work activities include:

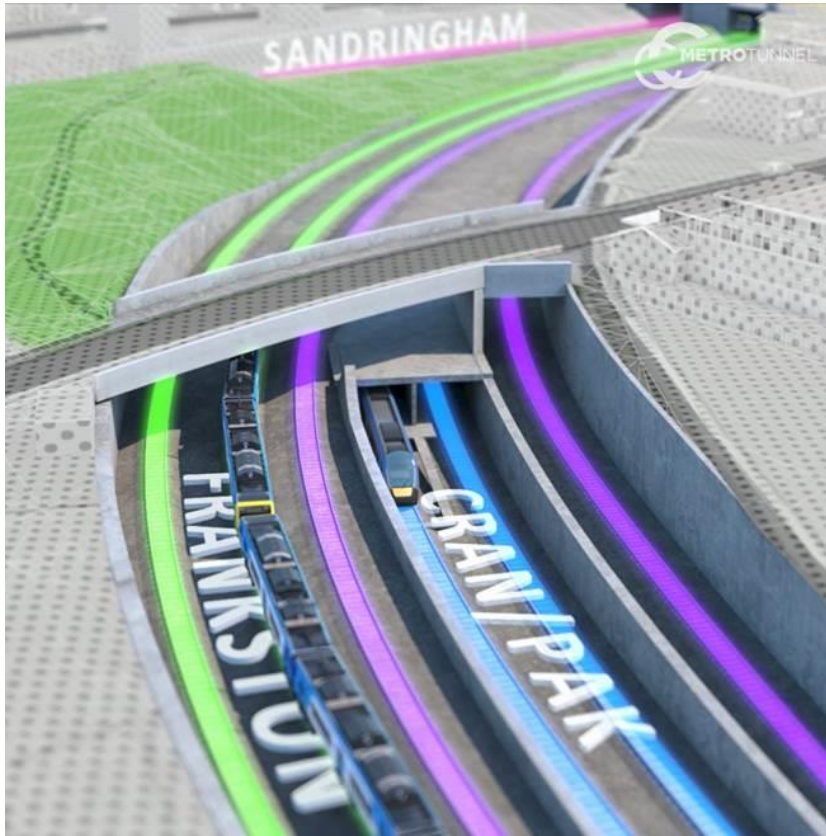
- Moving the existing four tracks, to allow for the new two lines to be installed in the future
- Completing the final section of excavation for the tunnel entrance, including shotcreting
- Pouring concrete for the final section of the tunnel roof slab
- Installing two rail track cross-overs at Hawksburn Station
- Installing combined service route (CSR), overheads structures, new cabling and track
- Laying ballast (crushed rock) and tamping to level the tracks.

# JANUARY 24/7 WORKS





# TRACK REALIGNMENT



This is an image of the future track realignment, when the Cranbourne/Pakenham lines will run through the Metro Tunnel in 2025.

# LAYDOWN AREAS AND SITE FACILITIES

**Additional sites have been temporarily set-up for laydown of equipment and materials to support January works**

- Melbourne High School
- 402 Chapel Street
- 700 Dandenong Road
- Vacant land near Glenhuntly station carpark
- VicTrack land near Malvern Central

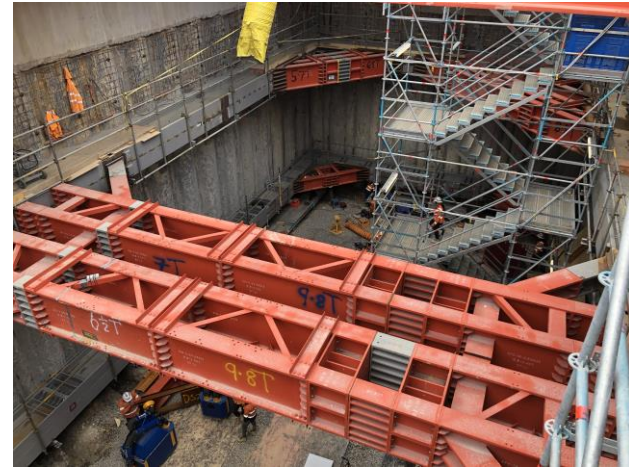
**Temporary site sheds will be set-up at the following locations along the rail corridor to provide worker amenities**

- Greens Street and Oddy's Lane, Cremorne
- Oban Place, South Yarra (next to Hawksburn station)
- Beatty Avenue, Armadale (next to Toorak station)
- Morey Street, Armadale (next to Armadale station)

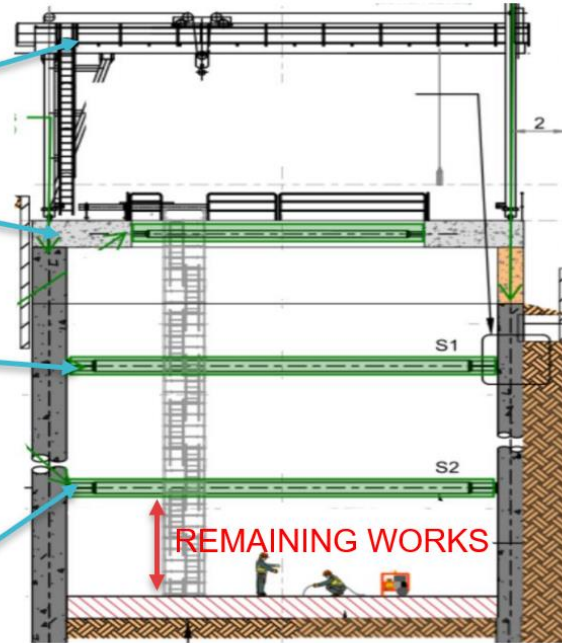
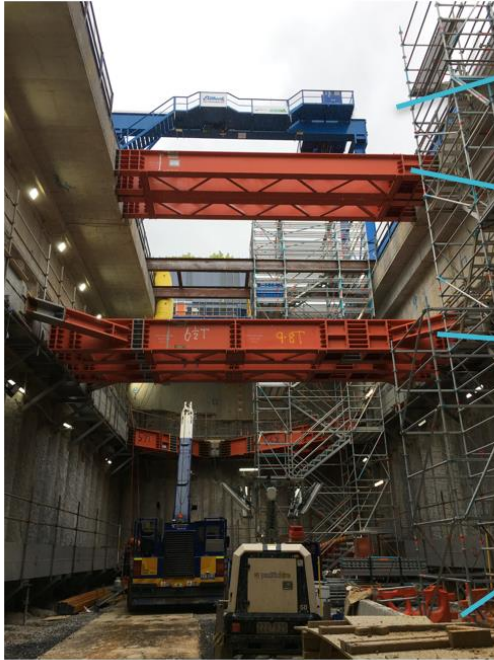
# TBM RETRIEVAL SHAFT PROGRESS UPDATE



# TBM RETRIEVAL SHAFT PROGRESS UPDATE



# TBM RETRIEVAL SHAFT UPCOMING WORKS



Artists impression of retrieval shaft

- Final section of excavation
- Base slab construction
- Last day of works 20 December
- Returning 13 January 2020

# BASE SLAB CONSTRUCTION

- Poured in two parts
- 2.8m deep
- Primary pour to take place late January 2020
- Primary pour:
  - 1.9m deep
  - 150 tonnes of reinforcement
  - Over 1000 cubic meters of concrete
  - Two concrete pumps working for 24 hours
  - Similar set-up to roof slab major pour in September



# TBM RETRIEVAL SHAFT LOOKAHEAD 2020

Activities	Timing
Primary base slab construction	Late January
Secondary base slab construction	February
Strut removal	February / March
Internal wall construction	March / April
Retrieval preparatory works	April onwards
Tunnel boring machine retrieval	Late 2020 / early 2021



# COMMUNITY & COMMUNICATIONS UPDATE



# COMMUNICATIONS

## Recent and upcoming communications

- Announcement of Victoria's Big Build Summer works
- Mid-November/December construction update distributed to approx. 1500 residents and businesses on 25 November
- Several dedicated notifications distributed regarding additional works and the establishment of new laydown areas across South Yarra
- January monthly notification expected to be distributed mid-December to avoid the holiday period
- Engagement underway with residents and businesses who may be impacted by works during January 24/7 works



# TRAFFIC AND TRANSPORT

# JANUARY 2020 TRAFFIC CHANGES

## Eastern Portal traffic impacts

- **Arthur Street** – Site access point, traffic control (TC) in place, road closed with local access maintained via detour
- **William Street** – Site access point, bridge open to construction traffic, TC in place, road closed with local access maintained, extended parking removal
- **Chambers Street** – Site access point, TC in place
- **Bond Street** – Site access point (via Chambers St), TC in place
- **Osborne Street** – Site access point, TC in place, deliveries and spoil removal will continue, changes during major pour
- **Toorak Road and Chapel Street** – TCs in place at site access streets, increased construction vehicles
- **Palfreyman St, Hopetoun Gr and Railway Pl** – rail access points will be used in South Yarra as well as other locations along the rail corridor



# JANUARY 2020 TRANSPORT CHANGES

## Buses replacing trains

- Buses will replace trains on sections of the Frankston, Cranbourne and Pakenham lines from 2 January to 31 January
- Buses will also replace trains at various times between Parliament and Elsternwick on the Sandringham line
- Visit [ptv.vic.gov.au](http://ptv.vic.gov.au) for more information





# ENVIRONMENTAL MANAGEMENT

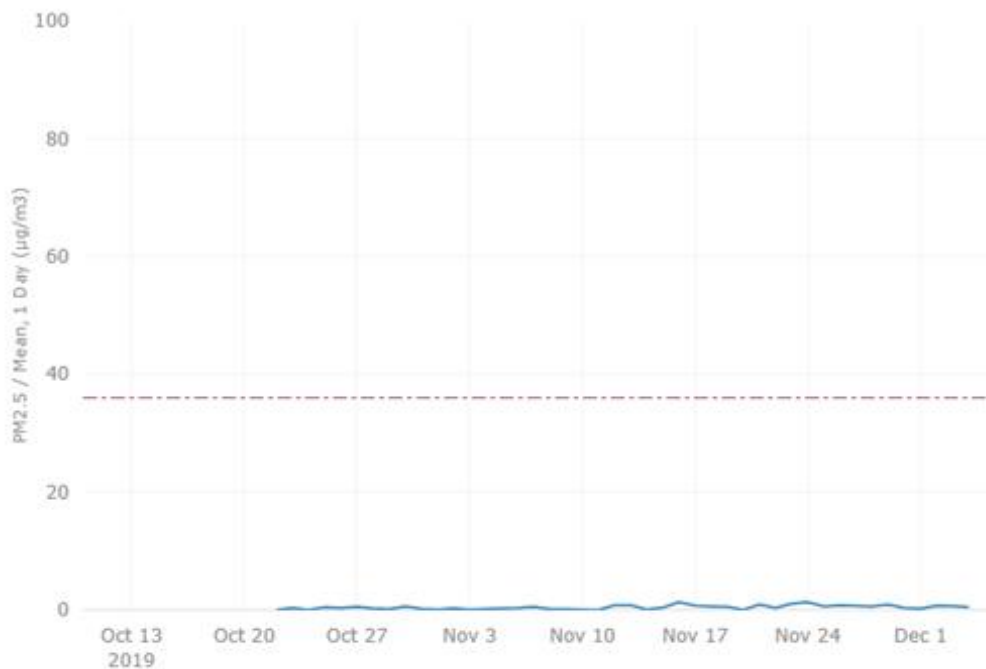
# AIR QUALITY MONITORING



**PM10 – Osborne Street**

**Date range:** October 10  
to December 4

# AIR QUALITY MONITORING



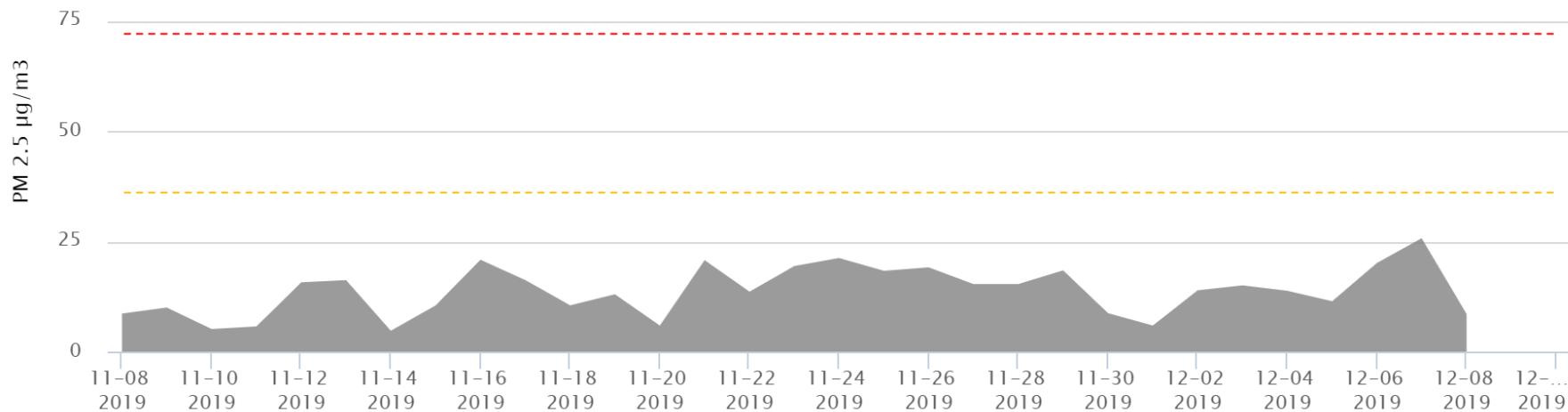
**PM 2.5 – Osborne Street**

**Date range: October 10  
to December 4**

# AIR QUALITY MONITORING

**Location:** Near William St

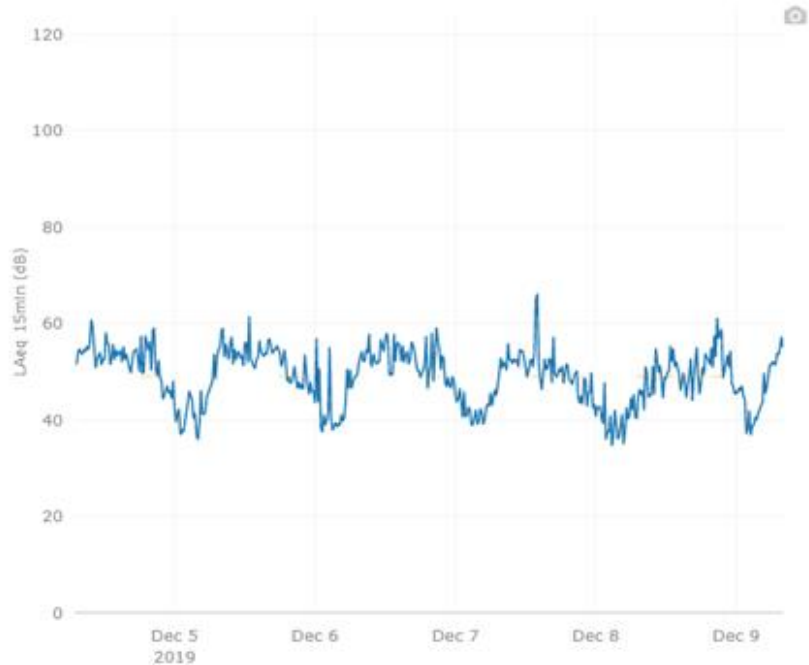
**Date range:** 8 Nov - 8 Dec





# NOISE MONITORING

DEVICE DATA



Excavation

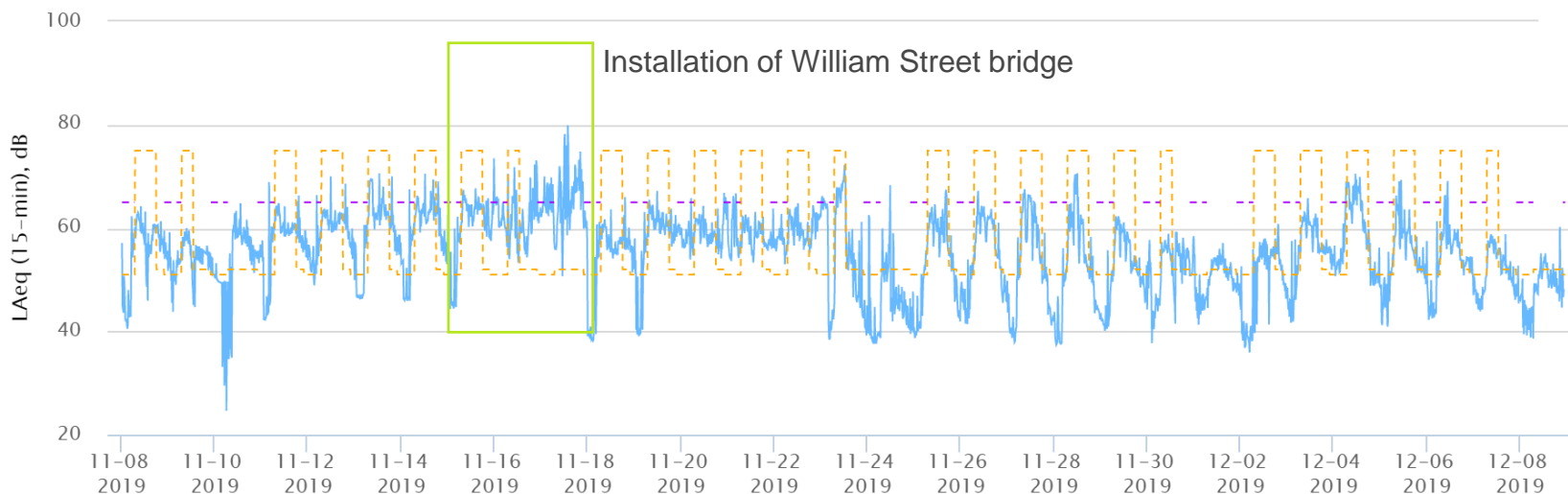
Location: Arthur Street

Date Range: 4 - 9 December

# NOISE MONITORING

**Location:** William St

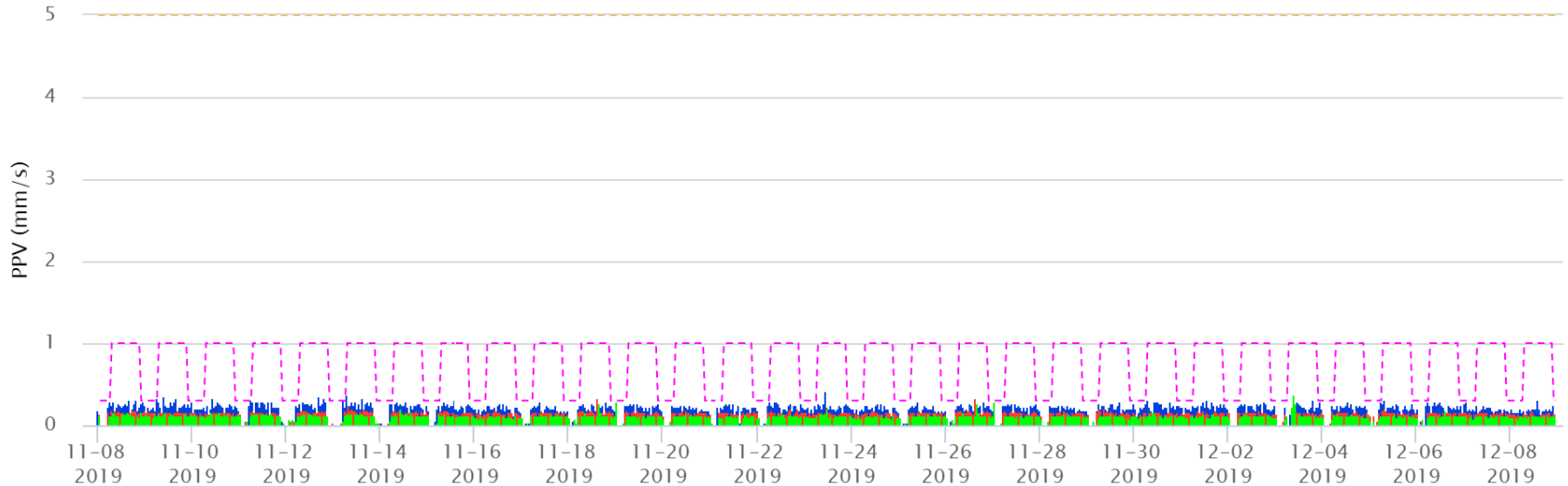
**Date range:** 8 Nov - 8 Dec



# VIBRATION MONITORING

**Location:** Portland Place

**Date range:** 8 Nov - 8 Dec





# 2019 IN REVIEW

# TUNNEL ENTRANCE

**A significant amount of work has taken place within the eastern portal over the past 12 months including:**

- Successfully completed three major occupations in January, April and June
- Bulk of the roof slab installed
- Commenced excavation of the tunnel entrance
- Demolition and reinstatement of the William Street bridge
- Extensive rail infrastructure upgrades
- Installation of drainage under the Sandringham line.



Images from the April 2019 occupation

# RETRIEVAL SHAFT



Piling



Form work and reinforcement



Roof slab concrete pour

# RETRIEVAL SHAFT



CYP and RIA sites



Gantry crane and strutting



Excavation

# CRG CALENDAR 2020

## METRO TUNNEL COMMUNITY REFERENCE GROUP (CRG) SOUTH YARRA (EASTERN PORTAL) 2020 CALENDAR



VENUE: The Olsen  
637-641 Chapel Street, South Yarra

TIME: 7.30am - 9.00am

### JANUARY

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

### FEBRUARY

M	T	W	T	F	S	S
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24	25	26	27	28	29	

### MARCH

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

### APRIL

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27	28	29	30			

### MAY

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18	19	20	21	22	23	24	
25	26	27	28	29	30	31	

### JUNE

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15	16	17	18	19	20	21
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29	30					

### JULY

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20	21	22	23	24	25	26
27	28	29	30	31		

### AUGUST

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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

### SEPTEMBER

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	1	2	3	4	5	6
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

### OCTOBER

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12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

### NOVEMBER

M	T	W	T	F	S	S
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23	24	25	26	27	28	29
30						

### DECEMBER

M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			





**QUESTIONS?**



Western Portal

South Kensington

North Melbourne

Parkville

West Melbourne

Melbourne Central

State Library

Parliament

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

Flagstaff

Town Hall

Southern Cross

Flinders Street

Richmond

Anzac

South Yarra

Eastern Portal

Carabourne / Pakenham Line