



## DOMAIN COMMUNITY REFERENCE GROUP

Meeting #11

Wednesday 5 December 2018, Seasons Botanic Gardens



Construction partner:



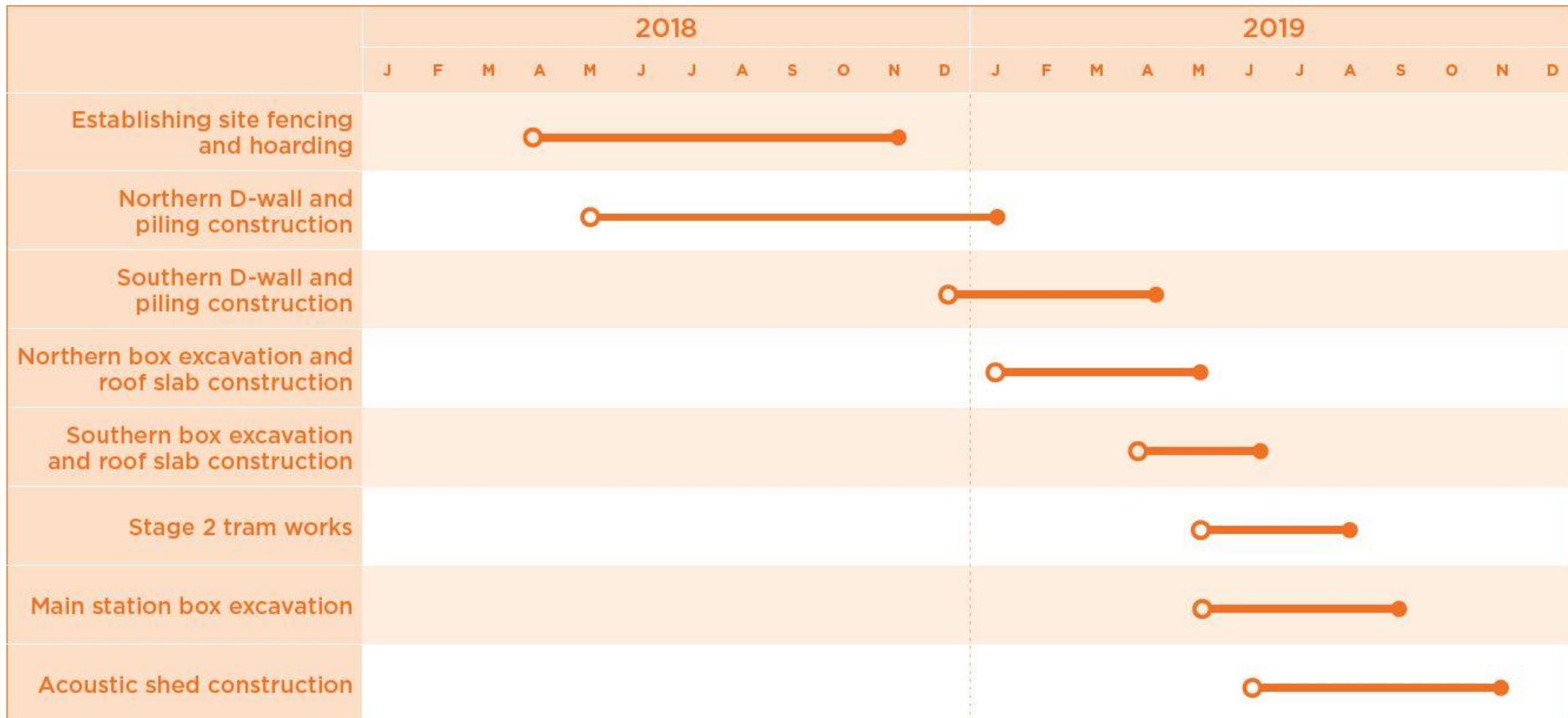


# INTRODUCTION



# DECEMBER AND JANUARY WORKS UPDATE

# DOMAIN CONSTRUCTION LOOKAHEAD



All dates current at the time of publication, however are subject to change.

# CURRENT WORKS – NORTHERN SECTION



*Timelapse image of northern station box works*

# CURRENT WORKS – NORTHERN SECTION



*Timelapse image of north section station box works*

# CURRENT WORKS – SOUTHERN SECTION



*Timelapse image of southern station box works*

# CURRENT AND UPCOMING WORKS

## NORTHERN SECTION

- D Wall and central piling works to be complete mid January
- Removal of pedestrian walkway adjacent to Melbourne Grammar in January 2019
- Station Box Roof excavation works commence January – approximately 2.5m
- Removal of guide wall, piling platforms and old tram tracks commences mid January.



*Northern section D-Wall works*



# CURRENT AND UPCOMING WORKS



*Northern section central piling works*

# CURRENT AND UPCOMING WORKS

## SOUTHERN SECTION

- Piling commences mid December 2018
- Guide wall works due to be completed by end of year
- Night works to relocate D Wall rigs from north to south box during January: 1 to 2 nights
- HV relocation to be completed by Citipower in January 2019
- Scaffold walkway to be in place outside 400 St Kilda Road in January 2019
- Covered walkway outside 390 St Kilda Road to be put back in place in January 2019
- D Wall commences in January 2019



*South Box road works*

# BOWEN LANE REALIGNMENT



*Construction underway of the new St Kilda Road service lane between Bowen Lane and Albert Road*

# TUNNEL BORING SUPPORT SITE

## EDMUND HERRING OVAL

**Tunnel boring support site set up will commence in mid-December**

- Site grading (cut/fill)
- Drainage installed
- Trenching
- Installation of small retaining wall (north-east corner)

**Structural works follow in January**

- Foundations/Slabs
- Support walls for tunnelling equipment installed
- Paved internal roads



*Tunnel Boring Support Site – Edmund Herring Oval*



# TRUCK TRACKER UPDATE



# GPS TRACKING

GPS Tracking will be utilised on the Metro Tunnel Project to ensure tracking of vehicles:

- Manage non-compliance in real time
- Enforce no-go zones
- Monitor haulage routes
- Monitor speed.



# GEO-FENCES

- Truck tracking platform allows for real time alerts
- These alerts are generated based on creating “geo-fences”
- Geo-fences are areas established which have a set criteria that the truck GPS can be measured against (allowing CYP to monitor if a truck is compliant or not).



# GPS TRACKER BENEFITS

- **App based GPS Tracking**  
Uses location of mobile phone in truck  
No need for hard wired device
- **Monitors truck locations in real time**  
Ability to track truck locations on a map
- **Alerts in real time**  
Alerts will be SMS and/or email.

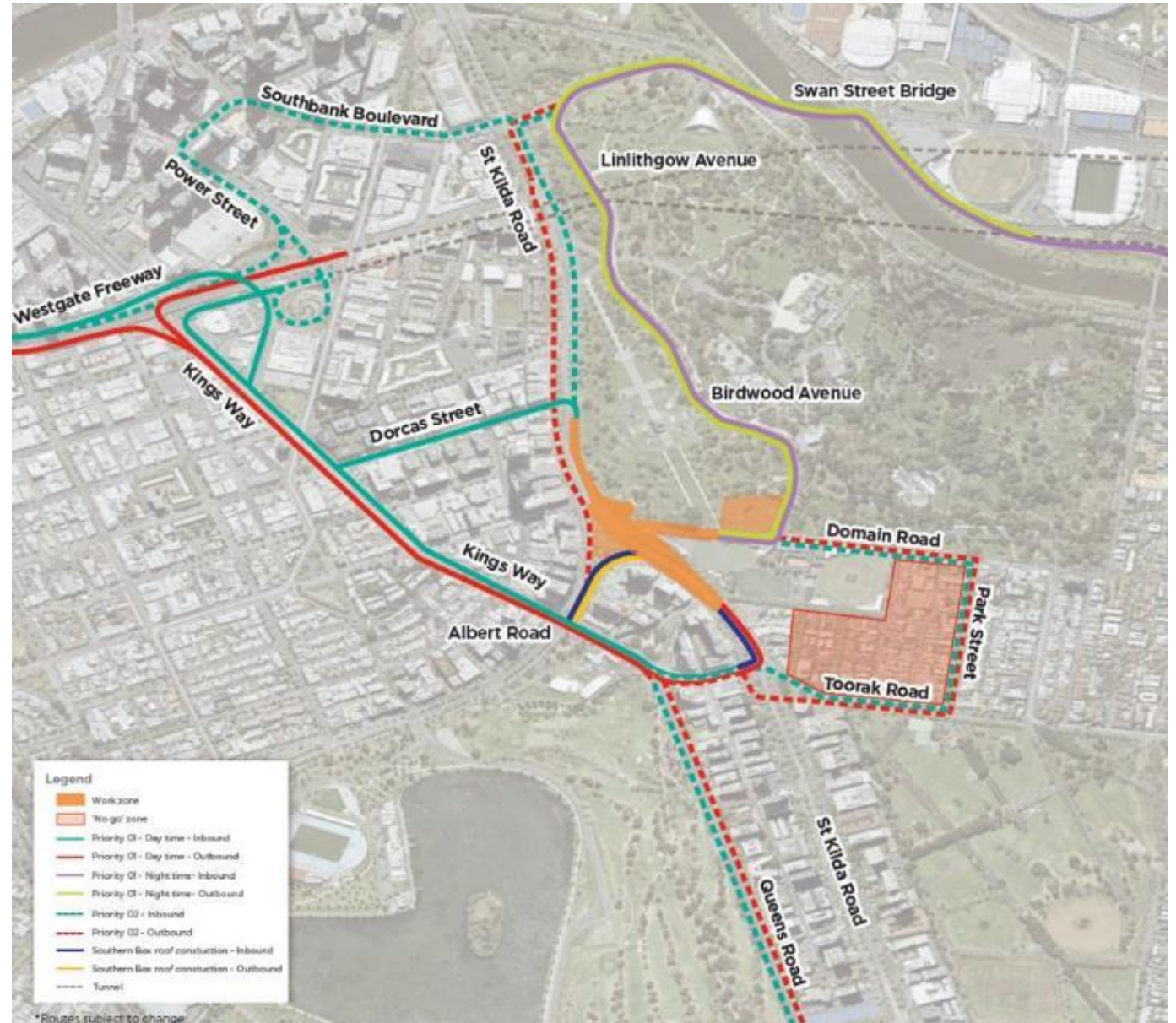




# GPS TRACKER BENEFITS

- **Haulage Routes**  
Will be established as geofenced areas. If truck driver veers off approved haulage route, system will generate an alert.
- **Speeding Reports**  
Based on the haulage routes which have been established as geofences.
- **Geofence Reports**  
Time spent in geofences  
Trip Reports between geofences

# DOMAIN PRECINCT



# ENTERING AND EXITING NO GO ZONE - ALERT



Fri 9/11/2018 6:15 AM

gps@connectfleet.com.au

Notification: [REDACTED] - Entering No Go Zone - Domain St South Yarra

To Jade Brooks

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Entering No Go Zone - Domain St South Yarra

Nov 9, 2018 6:14:33 AM

Object:



Location: 106 Domain St, South Yarra VIC 3141, Australia (-37.834683,144.978721)

[Show on map](#)

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*Screenshot of an example no go zone alert*

# TIME ONSITE - ALERTS



Fri 9/11/2018 4:03 PM

gps@connectfleet.com.au

Notification: [REDACTED] - Arden St North Melbourne - Time onsite <15mins

To Jade Brooks

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## Arden St North Melbourne - Time onsite <15mins

Nov 9, 2018 4:03:16 PM

Object:



Location: Unit 43/271 Arden St, North Melbourne VIC 3051, Australia (-37.800525,144.937405)

[Show on map](#)

# SPEED BREACH ALERT

 Tue 20/11/2018 3:43 PM  
gps@connectfleet.com.au  
Notification: [REDACTED] 1A Childers Rd Kensington - Speed onsite >10kmph - 18 km/h  
To Jade Brooks

1A Childers Rd Kensington - Speed onsite >10kmph - 18 km/h  
Nov 20, 2018 3:42:50 PM

Object: [REDACTED]

Location: 10 Childers St, Kensington VIC 3031, Australia (-37.799293,144.925921)

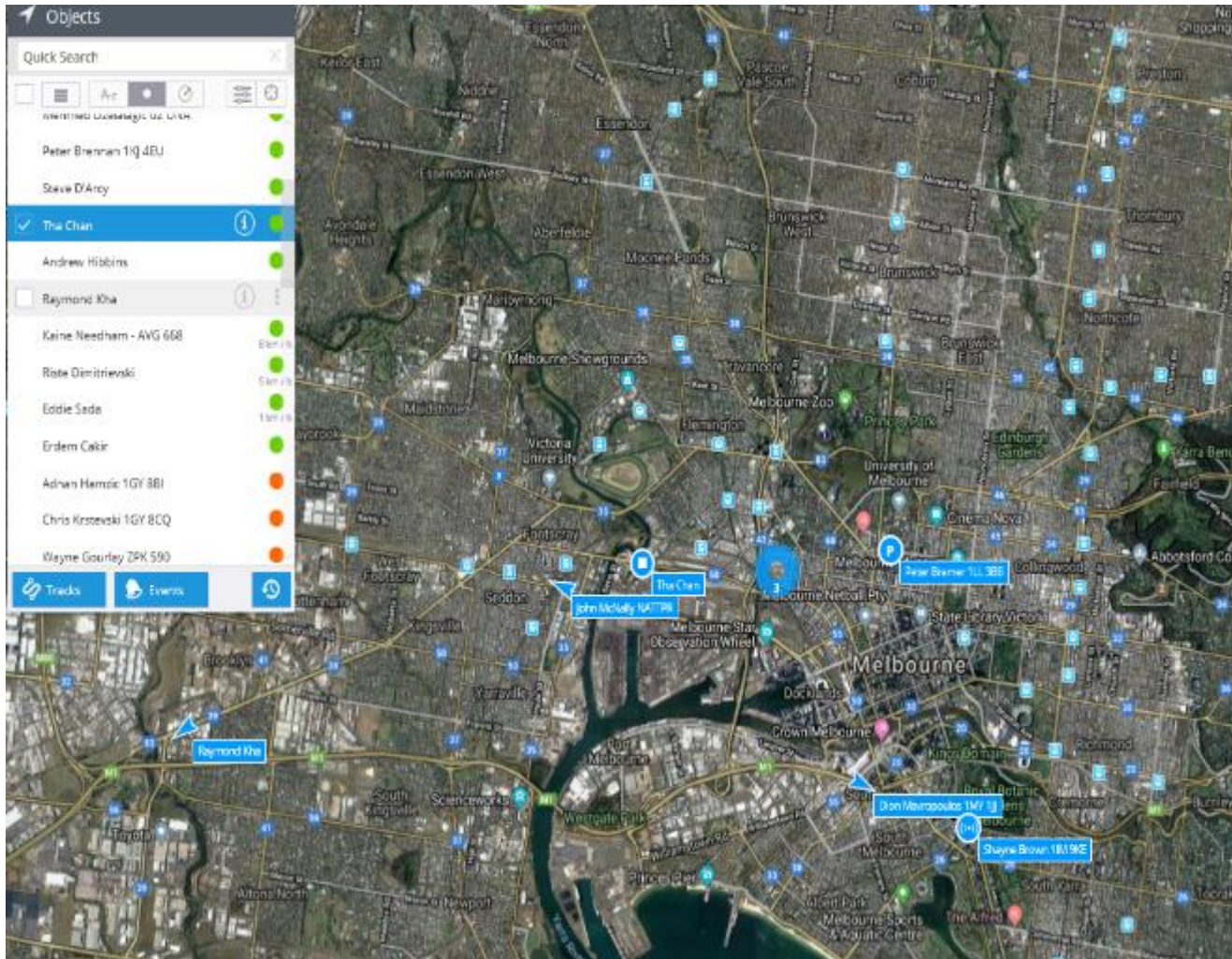
[Show on map](#)

Connect Fleet Pty Ltd

*Screenshot of an example speed breach alert*

- All speed is reported solely from the geofence locations, including the haulage routes
- Alerts can be set as decided and alerted in real time

# REAL TIME TRACKING



Screenshot of real time tracking application



# ENVIRONMENT UPDATE

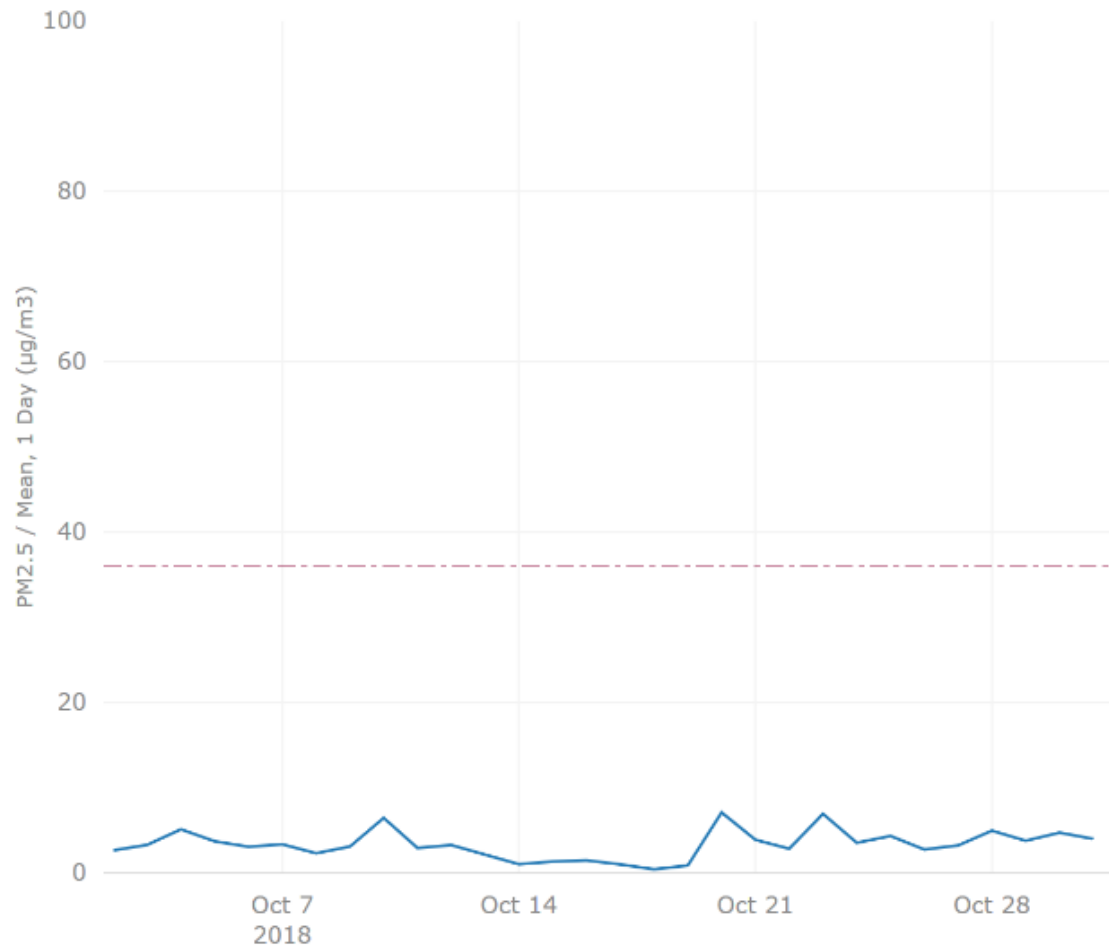
# AIR QUALITY MONITORING

| Standard | Pollutant          | Averaging Period | Objective |
|----------|--------------------|------------------|-----------|
| SEPP AAQ | Particles as PM10  | 24-Hr            | 60 ug/m3  |
|          | Particles as PM2.5 | 24-Hr            | 36 ug/m3  |



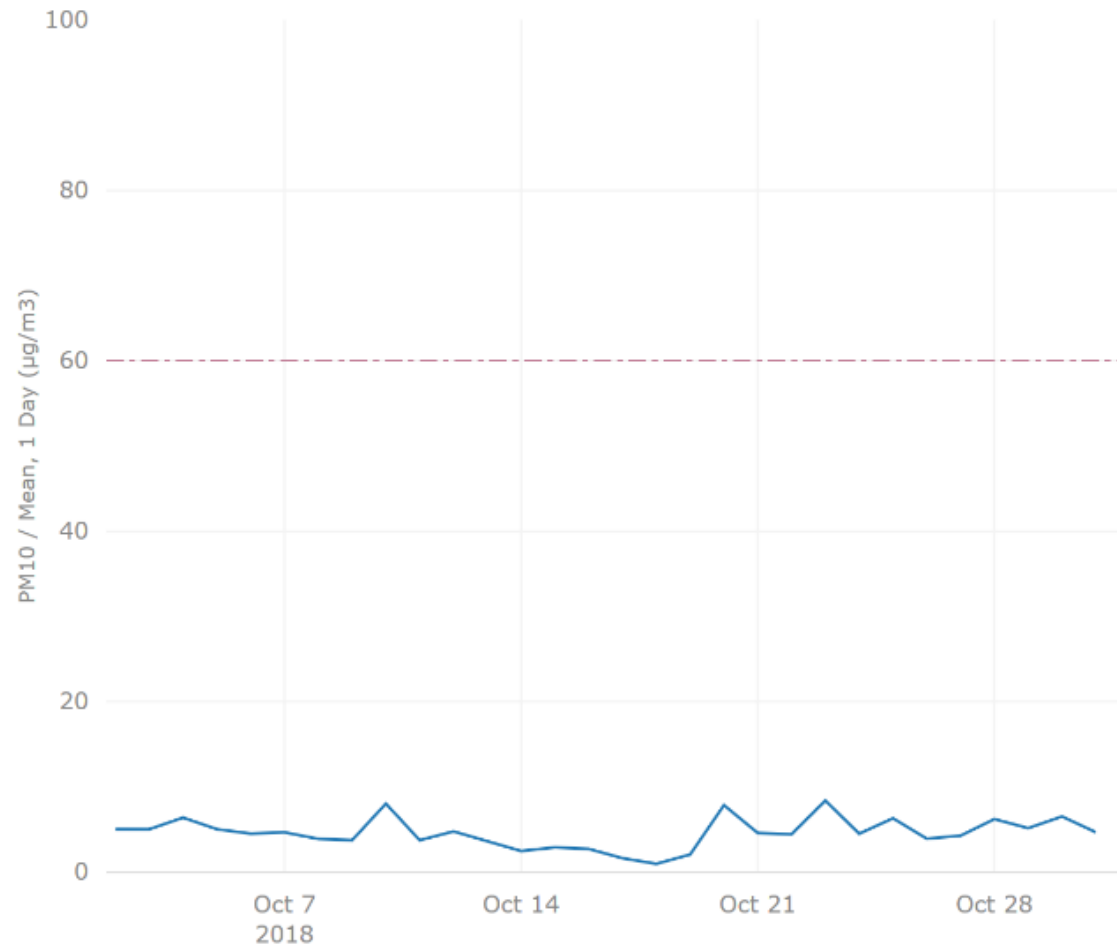
# AIR QUALITY (PM2.5) SITE 1: ALBERT RD RESERVE

DEVICE DATA



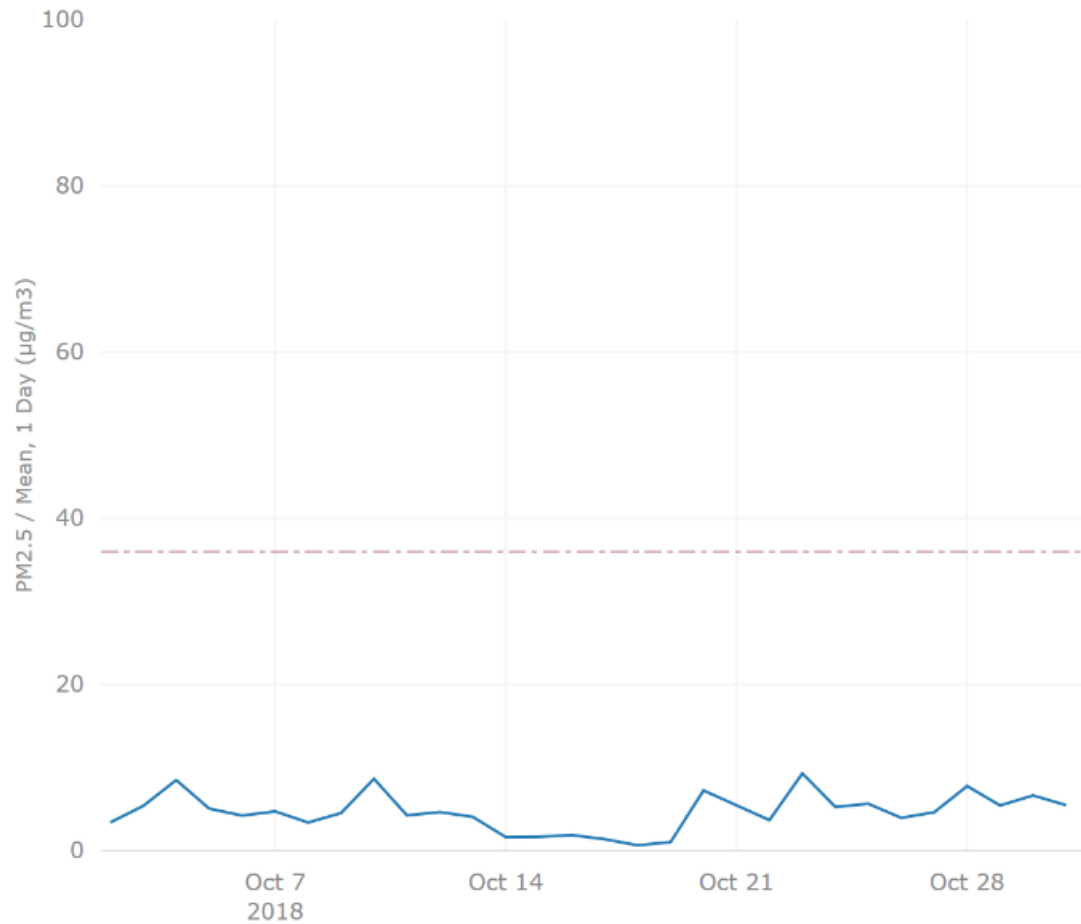
# AIR QUALITY (PM10) SITE 1: ALBERT RD RESERVE

DEVICE DATA



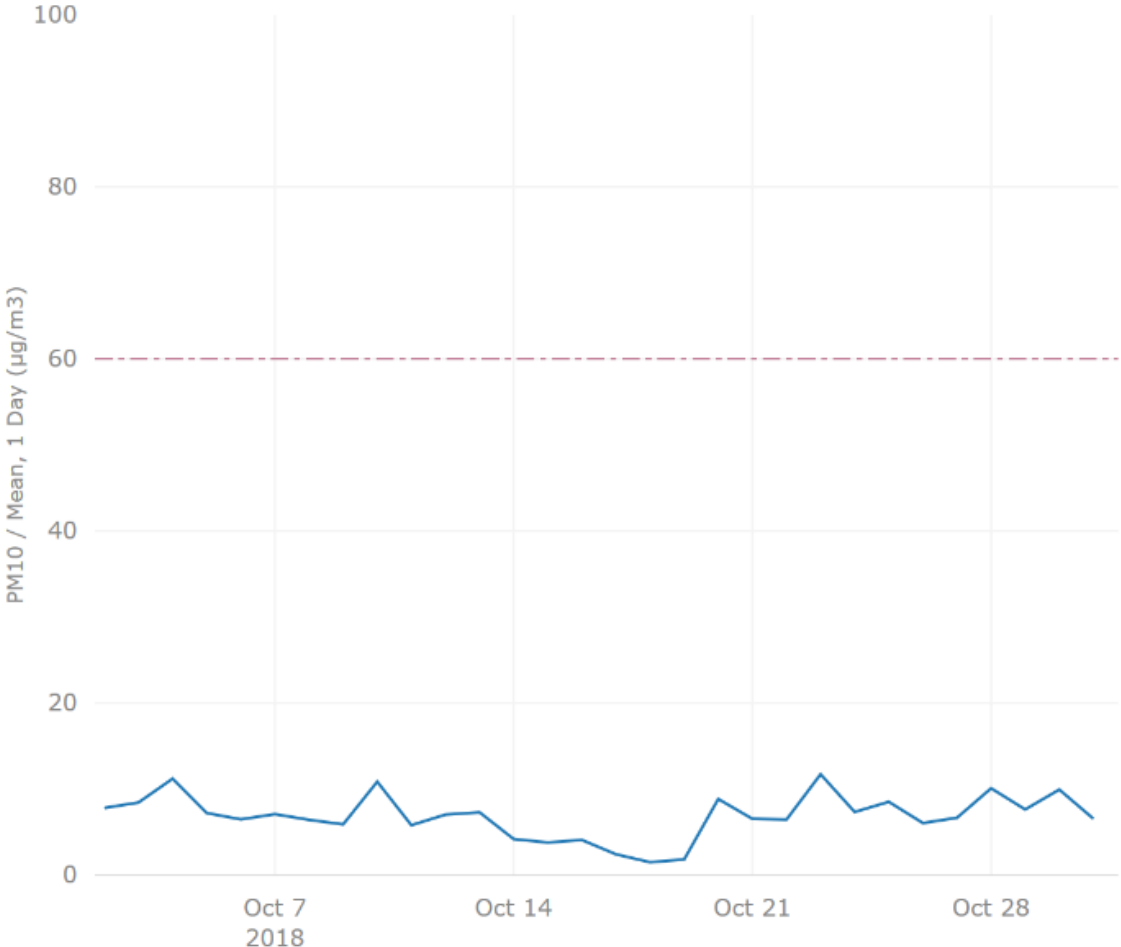
# AIR QUALITY (PM2.5) SITE 2: MELBOURNE GRAMMAR SCHOOL

## DEVICE DATA



# AIR QUALITY(PM10) SITE 2: MELBOURNE GRAMMAR SCHOOL

DEVICE DATA

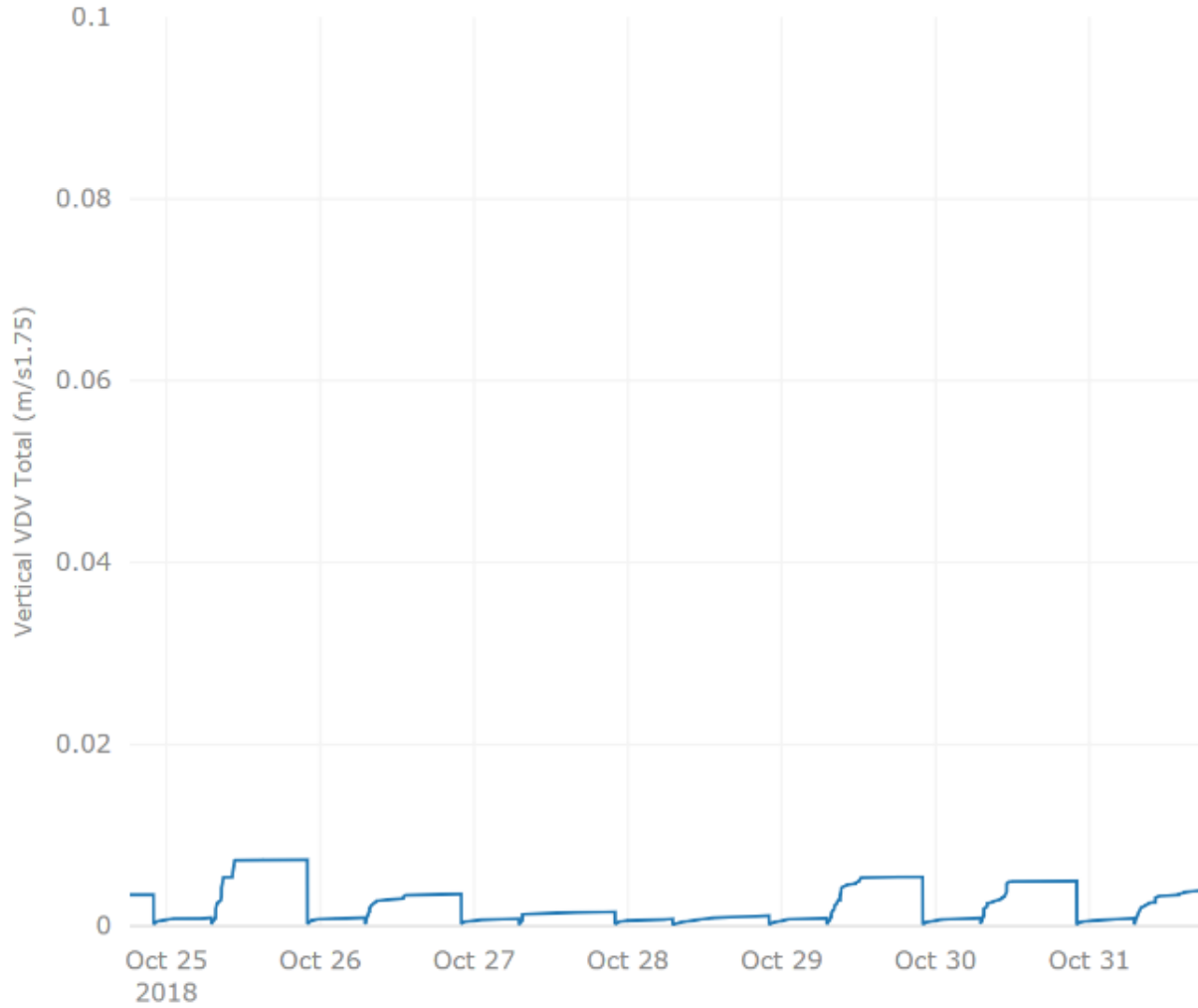


# VIBRATION MONITORING AND CRITERIA

**Table 13. Vibration Dose Value Ranges**

| Place and time                                   | Preferred VDV ms <sup>-1.75</sup> | Maximum VDV ms <sup>-1.75</sup> |
|--|-----------------------------------|---------------------------------|
| Residential buildings<br>15 h day (7am to 10pm)  | 0.2                               | 0.4                             |
| Residential buildings<br>8 h night (10pm to 7am) | 0.1                               | 0.2                             |
| Offices<br>15 h day (7am to 10pm)                | 0.4                               | 0.8                             |
| Workshops<br>15 h day (7am to 10pm)              | 0.8                               | 1.6                             |

# VIBRATION MONITORING

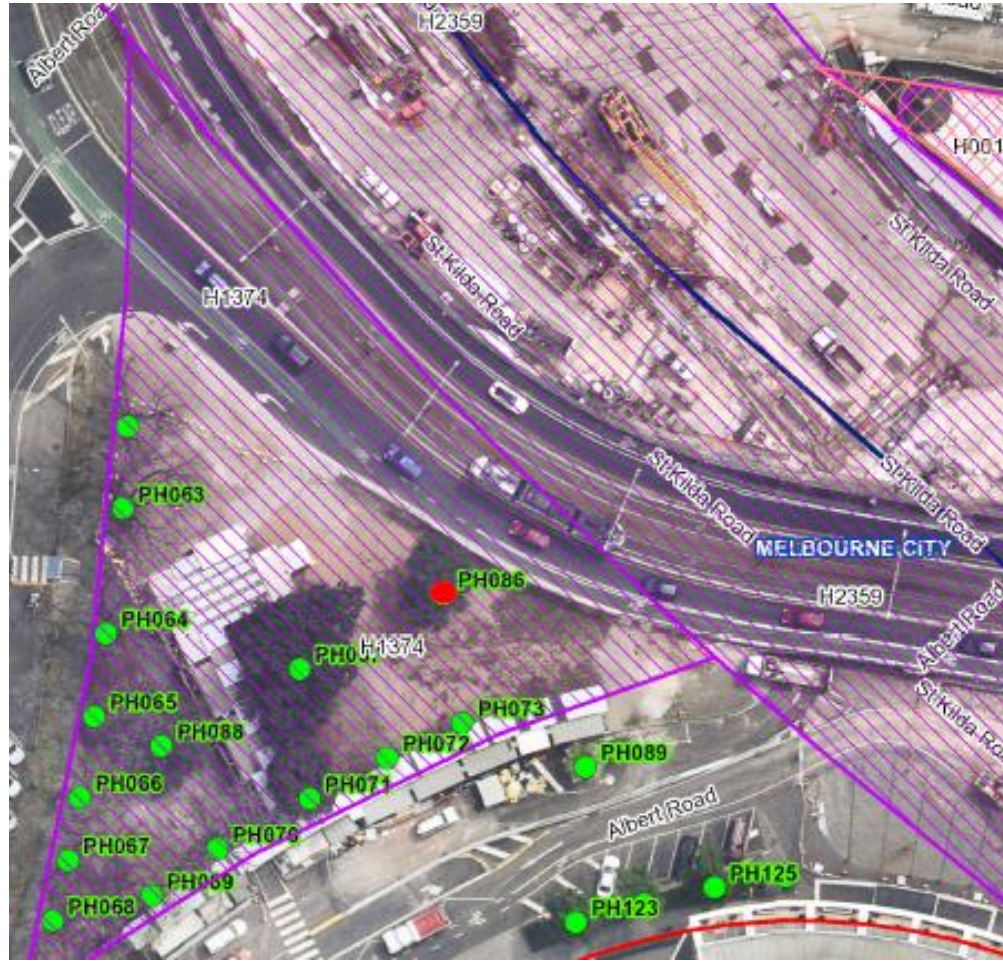


# TREE RELOCATIONS – EDMUND HERRING OVAL COMPLETE



Map indicating completed tree relocations within Edmund Herring Oval

# TREE REMOVALS



Picture indicating tree in Albert Road Reserve



Picture indicating tree in Edmund Herring Oval



# D WALL CONSTRUCTION



# CHRISTMAS HOLIDAY PERIOD

- No works onsite from **22 December 2018** to **9 January 2019**
- The Metro Tunnel Project Information Line **1800 105 105** will be available 24 hours, 7 days a week throughout the Christmas Period
- *Merry Christmas!*





**QUESTIONS?**