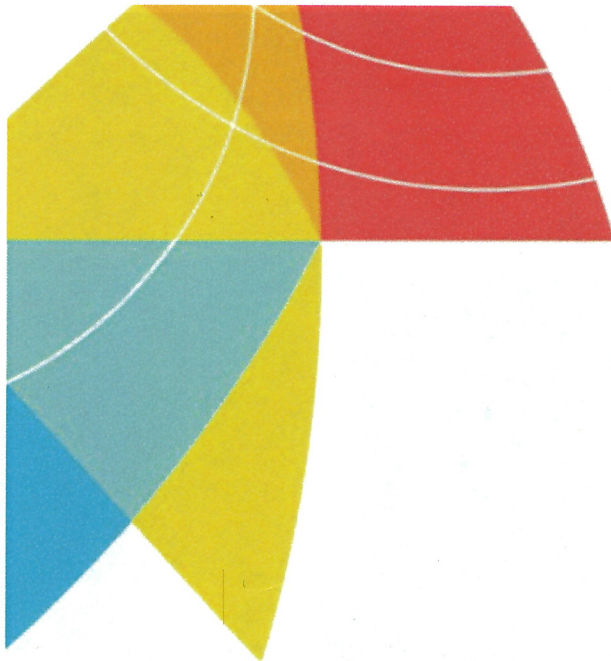




DOMAIN COMMUNITY REFERENCE GROUP

Meeting #11

Wednesday 5 December 2018, Seasons Botanic Gardens

A handwritten signature in black ink, appearing to be "C. D. G.", located below the meeting details.

**RAIL
PROJECTS
VICTORIA**

Construction partner:

cyp Design &
Construction

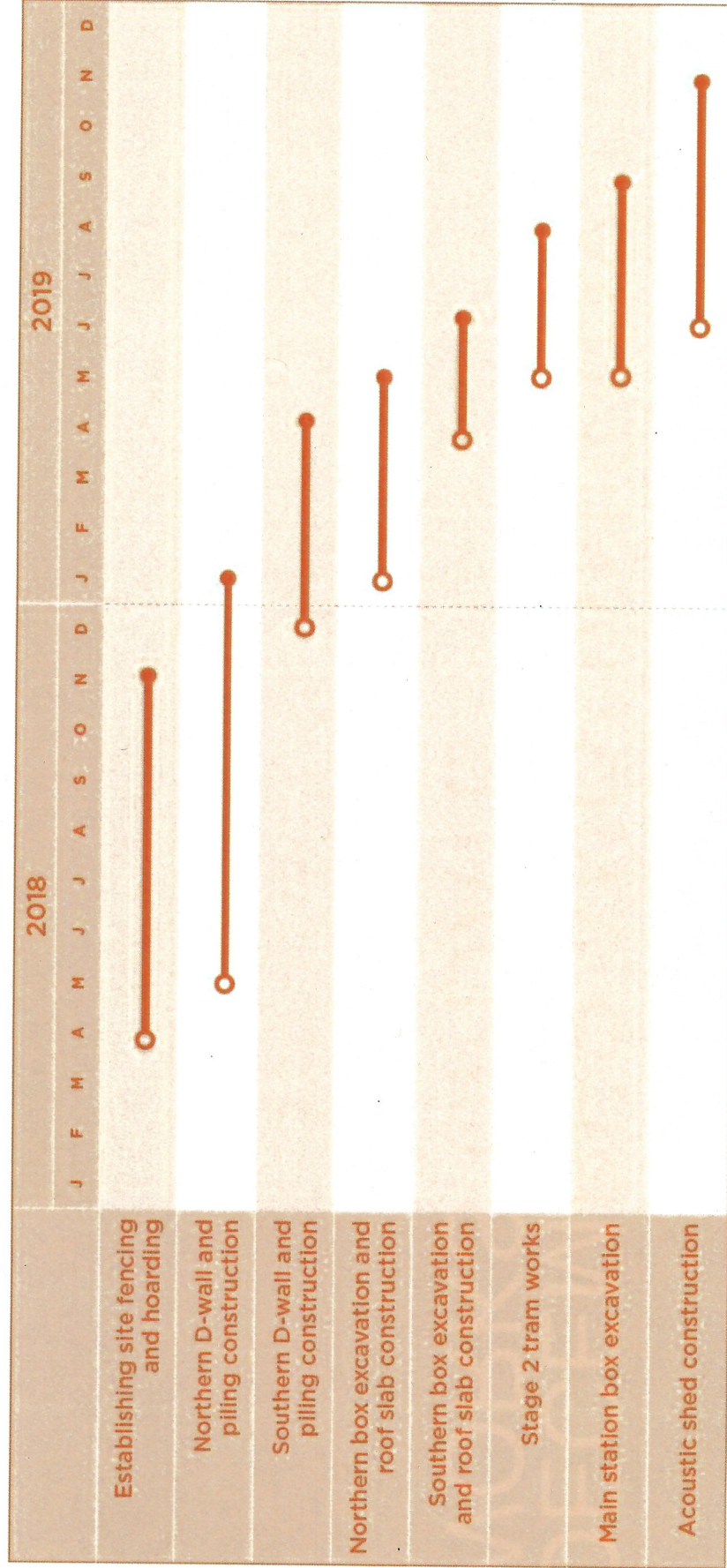
VICTORIA
State
Government

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

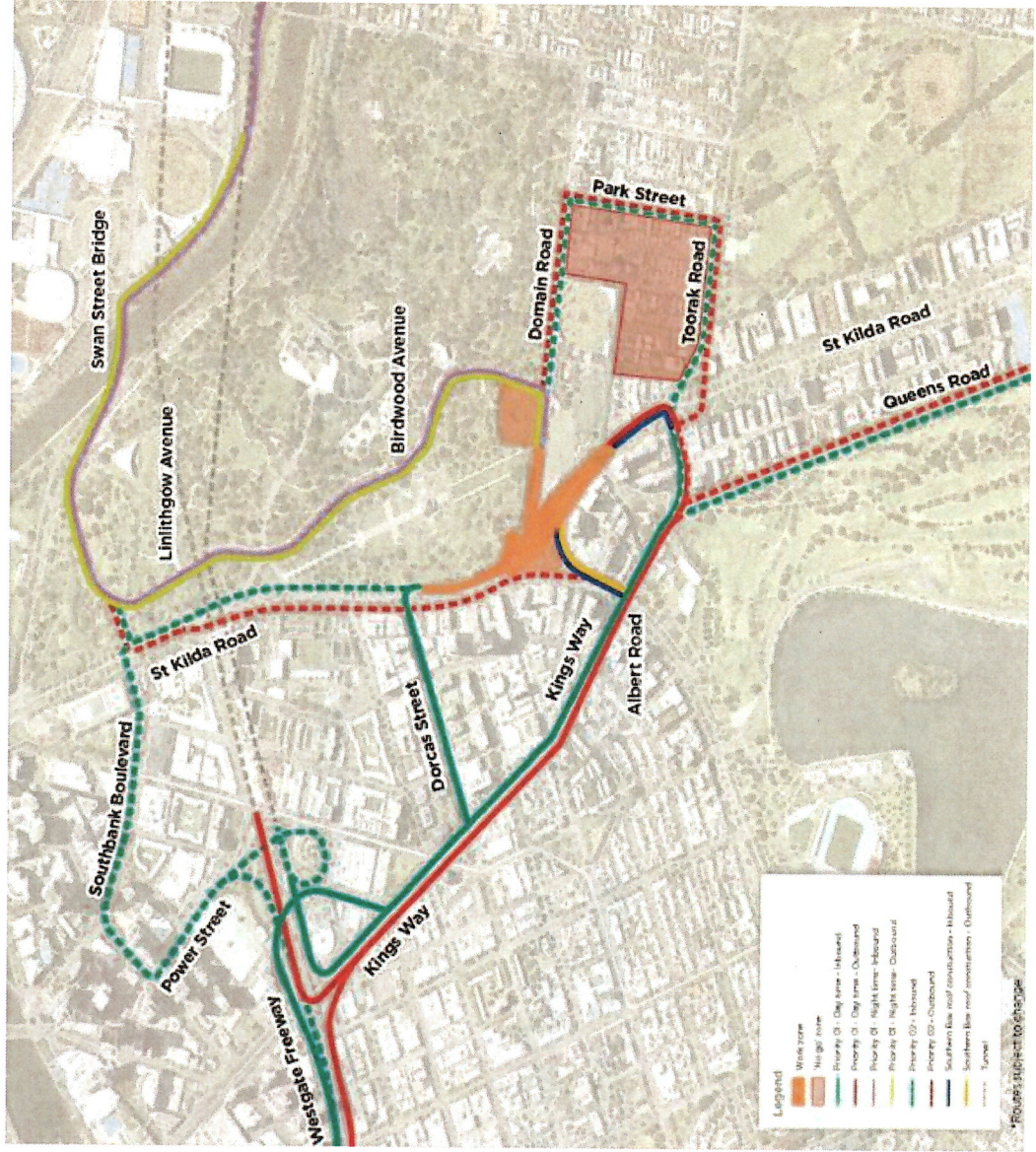
- **App based GPS Tracking**
Uses location of mobile phone in truck
No need for hard wired device
- **Monitors truck locations in real time**
Ability to track truck locations on a map
- **Alerts in real time**
Alerts will be SMS and/or email.



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

Entering No Go Zone - Domain St South Yarra

Nov 9, 2018 6:14:33 AM

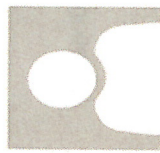
Object: [REDACTED]

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

[Show on map](#)

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

Arden St North Melbourne - Time onsite <15mins

Nov 9, 2018 4:03:16 PM

Object: [REDACTED]

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

[Show on map](#)

Screenshot of an example time onsite alert

SPEED BREACH ALERT



Tue 20/11/2018 3:43 PM

gps@connectfleet.com.au

Notification: 1A Childers Rd Kensington - Speed onsite >10kmph - 18 km/h

To: Jade Brooks

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

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

Object: [REDACTED]

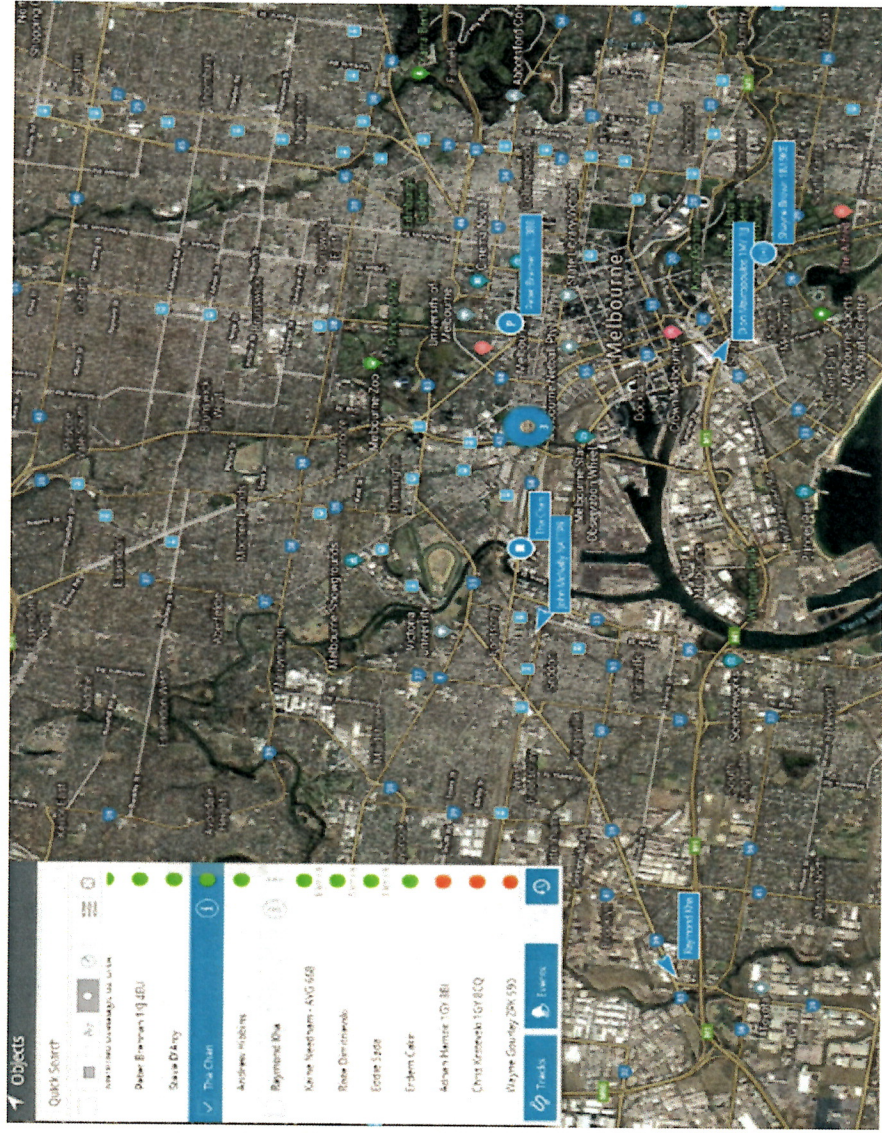
Location: 10 Childers St, Kensington VIC 3031, Australia (-37.799293, 144.925921)

[Show on map](#)

Connect Fleet Pty Ltd

Screenshot of an example speed breach alert

REAL TIME TRACKING



Screenshot of real time tracking application

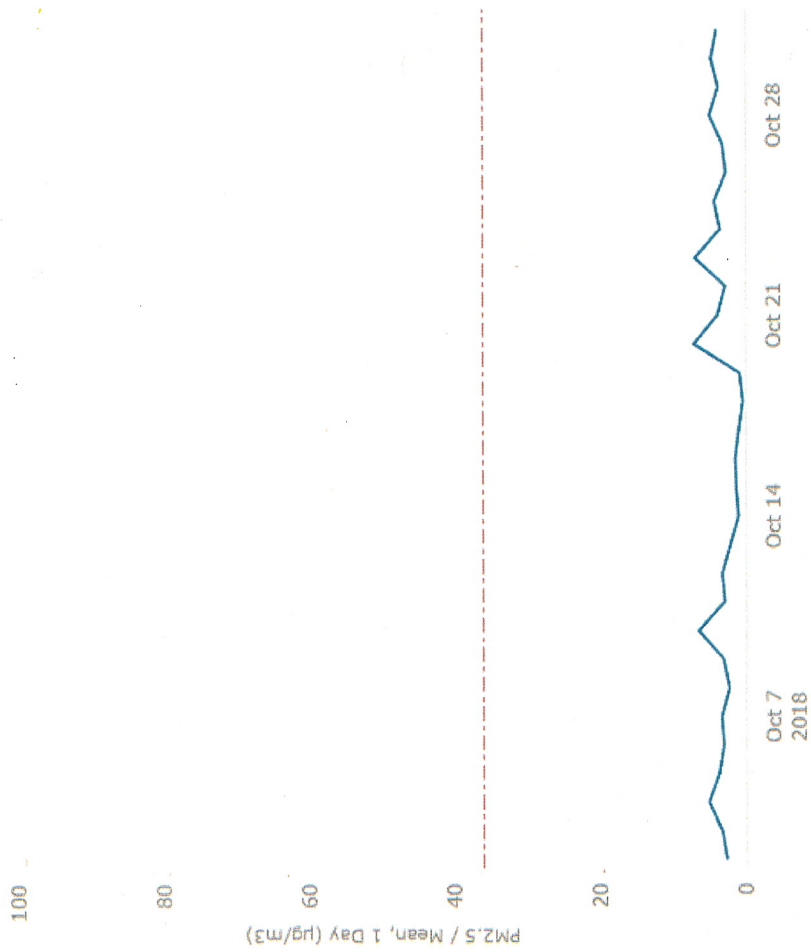
ENVIRONMENT UPDATE

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

100

80

PM10 / Mean, 1 Day ($\mu\text{g}/\text{m}^3$)

60

40

20

0

Oct 7
2018

Oct 14

Oct 21

Oct 28



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

DEVICE DATA

100

80

60

40

20

0

PM2.5 / Mean, 1 Day (µg/m³)

Oct 7
2018

Oct 14

Oct 21

Oct 28



AIR QUALITY(PM10) SITE 2: MELBOURNE GRAMMAR SCHOOL

DEVICE DATA

100

80

60

40

20

0

PM10 / Mean, 1 Day ($\mu\text{g}/\text{m}^3$)

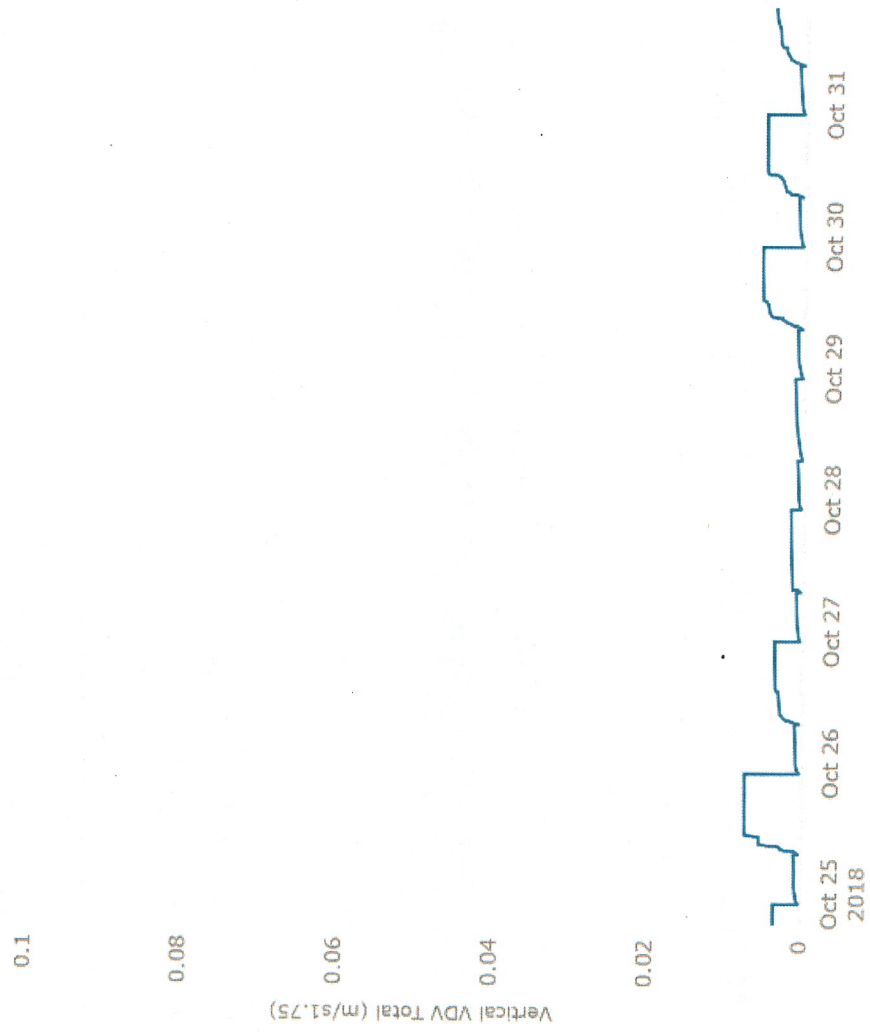


VIBRATION MONITORING AND CRITERIA

Table 13. Vibration Dose Value Ranges

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

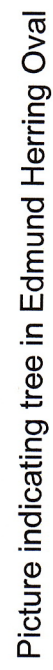
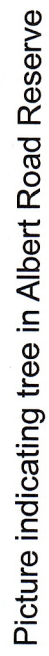
VIBRATION MONITORING



TREE RELOCATIONS – EDMUND HERRING OVAL COMPLETE



Map indicating completed tree relocations within Edmund Herring Oval



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?