

#### **DOMAIN PRECINCT**

Community Reference Group

**Presentation by CYP** 

25 October 2023









#### **ACTION**



#	ACTION / ISSUE	OWNER
A49-1	RPV to request DTP attendance at the next meeting to talk to the plans for the tram network on Domain Road and St Kilda Road corridor.	RPV



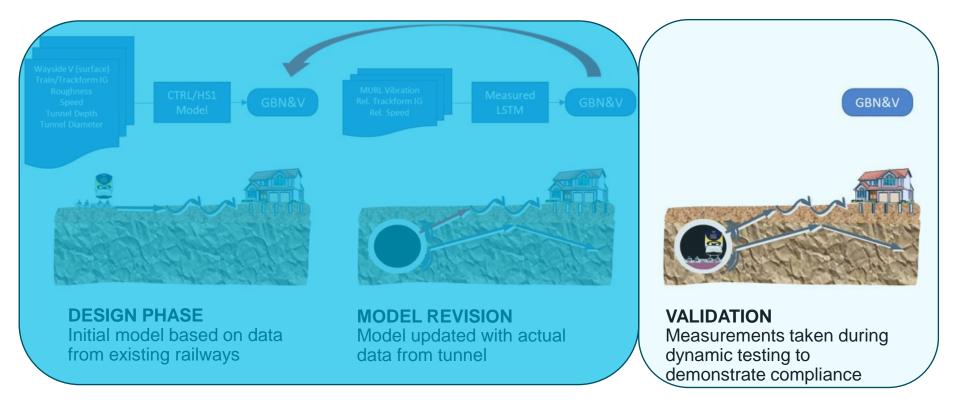
#### TRAIN TESTING UPDATE



## Train Testing Update

## **Ground-Borne Noise & Vibration Process**Journey

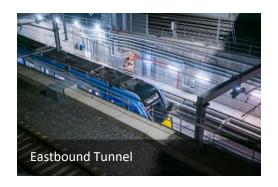


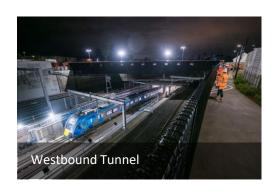


#### First Trains – 27 July 2023

Eastern Portal & Anzac Station













OFFICIAL

#### Trains at Line Speed – 80 Km per hour



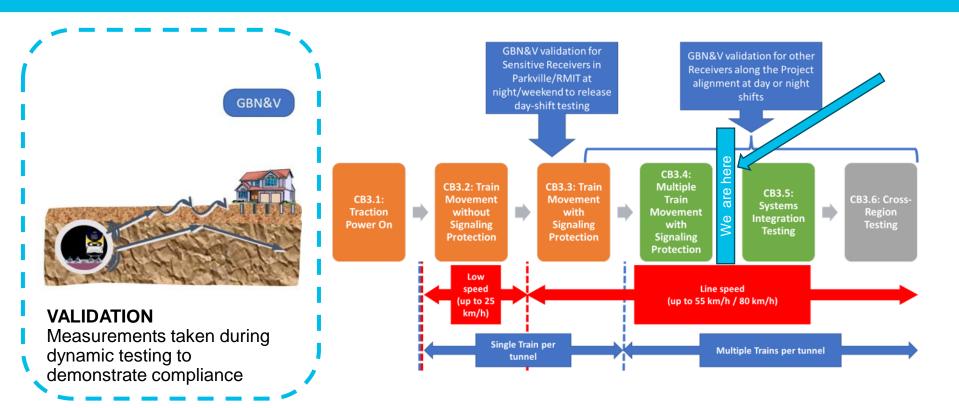




OFFICIAL

Configuration for Ground-Borne Noise & Vibration Validation







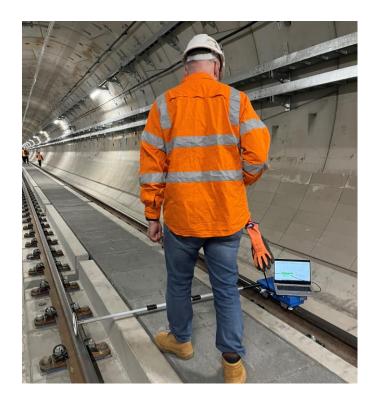
# Monitoring completed to date - as at October 2023

Track Roughness Testing



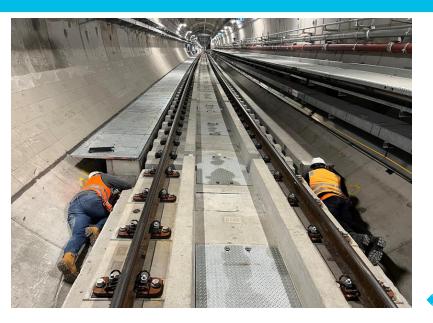
Track roughness testing completed

- Before DT (completed)
- During DT (completed)
- After DT (3.3) (completed)
- Late 2023 (scheduled)
- Track is performing as expected



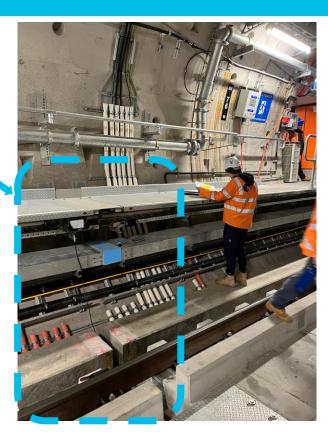
Track Form Transition and vibration monitor install





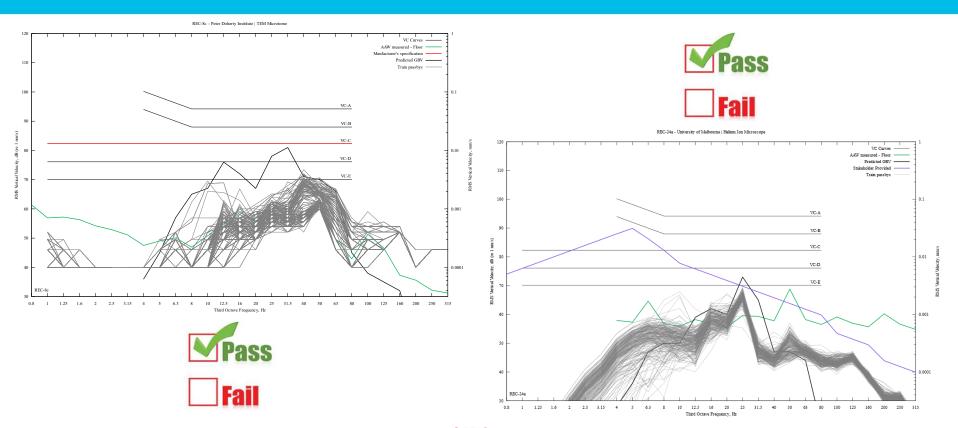
Track form vibration monitoring performance

Further Inspection of specific track forms installed



Results



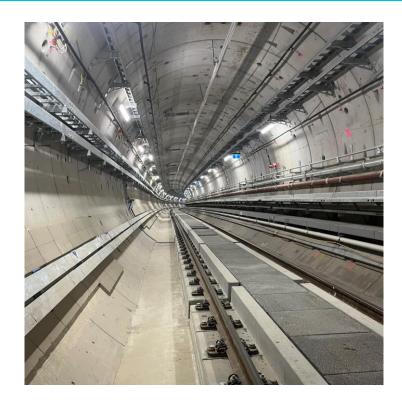


#### Upcoming validation testing and monitoring



#### Monitoring summary:

- Stage 1 Parkville validation testing now complete, ongoing monitoring
- Stage 2 Project alignment (above tunnel)
  - Q4 2023 and early 2024
- Stage 3 Kensington / South Yarra (outside of tunnel)
  - Early 2024
- 100% compliance so far





## **Questions**



## WORKS UPDATE: STATION CONSTRUCTION

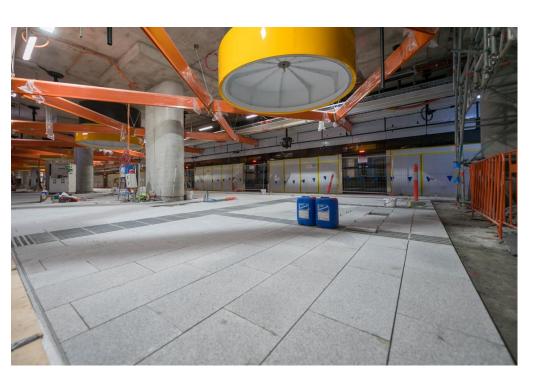
## WORKS UPDATE ANZAC STATION AERIAL





## WORKS UPDATE STATION WORKS





- Back-of-house fit out in north and south box to be completed in the next few weeks.
   Team focusing on energising these rooms
- Plastering and furniture install taking place in the eastern section
- Services install throughout the station ongoing
- Stone floor tiling continues on B2.

## WORKS UPDATE SHRINE OF REMEMBRANCE ENTRANCE





- Escalators were installed in early October
- Works have begun to construct the canopy over the escalator entrance
- Structural works for lift shaft has commenced
- Night shift works under the roof will continue through to the end of the year
- The logistics void has been closed, Telstra currently installing services.

Artist impression of Shrine of Remembrance entrance, subject to change

## WORKS UPDATE ALBERT ROAD RESERVE STATION ENTRACE





- First of two roof pours took place 20
   October 2023
- Formwork installation in preparation for second pour continues
- Once roof is complete, remaining internal walls will be formed and poured
- Albert canopy starting soon
- Formwork on the road level will continue until 1am until Melbourne Cup shut down weekend.

Formwork continues at the Albert Road station entrance



## WORKS UPDATE: SURFACE CONSTRUCTION

#### **PLANTING UPDATE**

St Kilda Road





- 45 Trees were planted this year
- Potential for Yarra Trams to plant an additional six on the tram platform
- Planting will recommence in April 2024.

St Kilda Road planting

#### **WORKS UPDATE**

Dual traffic, St Kilda Road





#### **Upcoming works in this area**

#### October:

- Pour roof, waterproof and back fill
- Commence Albert Road forecourt

#### November:

- Complete The Domain driveway
- Footpath rebuild from Albert Road to Bowen Crescent
- Install watermain
- Commence roadworks over station roof

#### December:

- Continue roadworks
- Switch traffic
- Complete traffic median

#### **WORKS UPDATE**

Dual traffic, St Kilda Road





Orange: Two lanes of traffic

Green: Median

Yellow: Bike lane (future parking)

Blue: Left turn into Albert Road

Red: Construction site

## WORKS UPDATE ALBERT ROAD









- Site facility removal has begun. A small mobile site shed will be located in the reserve for the remainder of the works
- Construction of the footings for the South Africans Soldiers Memorial will commence in November
- A new site gate was installed on St Kilda
   Road to allow for the start of forecourt works
- The legacy road connection to Albert Road south was poured in October
- Hard landscaping continues in the linear park.

Albert Road Works

## **WORKS UPDATE**ST KILDA ROAD – ARTHUR STREET TO BOWEN LANE (TOWARDS CITY)





- Separated bike lanes between Arthur Street and Bowen Crescent are now complete
- Final wearing course south of Kings Way will happen as part of the intersection resurfacing works in November
- Bowen Lane reopening has been pushed back until mid-November. Remaining works include sewage connection, strata vault installation, kerbs and relaying of road
- Re-asphalting of the pavement between Bowen Crescent and Bowen Lane will now take place in November. This work will require minor pedestrian detours
- Service investigation taking place on Bowen Crescent to de-risk closure for utility installation and new kerb alignment.

## **WORKS UPDATE**ST KILDA ROAD – DOMAIN ROAD TO TOORAK ROAD (AWAY FROM CITY)





Tree planting and barrier removal is complete on eastern side

- This section will be complete by mid-November
- Earlier in October, barriers were removed between Anzac and Toorak tram stops
- Drainage and kerb installation is continuing towards Toorak Road
- Bike lanes will be installed in November
- Night works are required to asphalt from central platform to Toorak Road and reopen the two lanes of traffic
- On street parking will open in front of Melbourne Grammar School once asphalting is complete.

### WORKS UPDATE MAJOR NIGHT WORKS – FINAL ASPHALTING



 As part of the scope of the project, complete intersection re-asphalting is required at:

#### Intersection of Kings Way and Albert Road

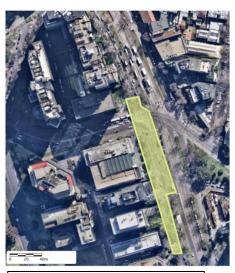
- Window: 12 to 16 November (following week as contingency)
- Four nights
- Only outbound lanes of Kings Way affected

#### Intersection of Toorak Road and St Kilda Road

- Window: 26 November to 1 December (following week as contingency)
- Four nights
- Full intersection closure
- During the Toorak Road works, the project may also take the opportunity to complete other final asphalting works along St Kilda Road while the closure is in place
- Additional information will be provided closer to the closure.



Kings Way / Albert Road



Toorak Road / St Kilda Road



#### **ENVIRONMENT UPDATE**

#### **NOISE MONITORING**

Albert Rd Entrance PERI vs. traditional formwork



- Out of hours works are ongoing for formwork installation at the Albert Rd entrance
- "conventional" formwork has been slightly noisier than PERI formwork.
- Out of hours work for conventional formwork has been ongoing since 9<sup>th</sup> October.

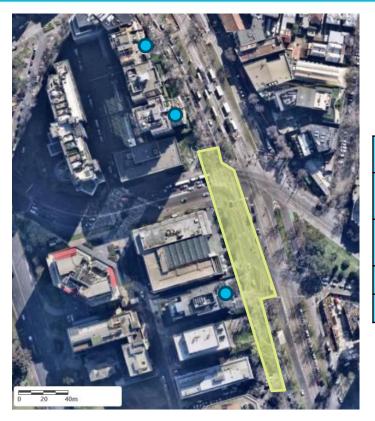


Albert Rd Entrance OOH Works 1hr LAeq (10pm – 1am)					
<u>Receiver</u>	PERI formwork (25/9)	Conventional formwork (9/10)			
Hallmark	50.3dB – 53.3dB	51.2dB – 54.7dB			
Domain Hill	53.8dB – 55.5dB	53.2dB – 57.9dB			
Domain	53.7dB – 58.0dB	57.6dB – 62.6dB			
Botanica	52.1dB – 57.5dB	55.3dB – 62.9dB			

#### **NOISE MODELLING**

Road resurfacing – Toorak & STK Road





**Profiling equipment:** Trucks, profiler, paver, rollers, light

towers and EWP

Asphalting: Pavers, rollers, trucks and light towers

Signalling/linemarking: Truck, NDD truck

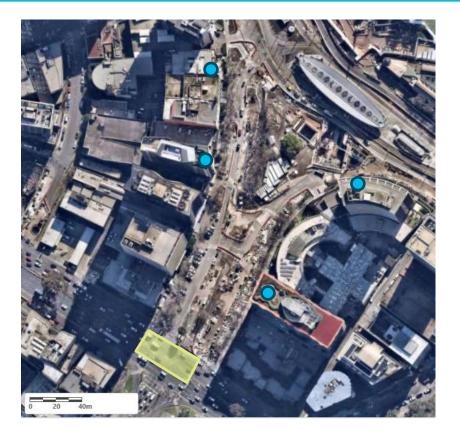
1hr LAeq (dB)						
Receiver	Profiling	Asphalting	Signalling/ linemarking			
Promenade/ City Condos	60dB – 65dB	62dB – 67dB	48 – 53dB			
Princeton	65dB – 70dB	65dB – 72dB	54 – 59dB			
Lucient	65dB – 75dB	69dB – 76dB	58 – 63dB			

Noise levels relate to construction activities closest to the receiver

#### **NOISE MODELLING**

Road resurfacing – Kings Way





**Profiling equipment:** Trucks, profiler, paver, rollers, light

towers and EWP

**Asphalting:** Pavers, rollers, trucks and light towers

Signalling/linemarking: Truck, NDD truck

1hr LAeq (dB)				
Receiver	Resurfacing	Signalling/ linemarking		
The Emerald	62 – 67dB	45 – 50dB		
Albert Tower	55 – 60dB	40 – 45dB		
The Domain	45 – 50dB	40 – 45dB		
Domain Hill	47 – 52dB	40 – 45dB		

Noise levels relate to construction activities closest to the receiver



## TUNNELS AND STATIONS PROJECT WIDE UPDATE

# METRO TUNNEL PROJECT October 2023