



## UNTANGLING MELBOURNE'S CITY LOOP

PRESENTATION TO ROTARY CLUB OF ALBERT PARK  
21 FEBRUARY 2018

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JAMES TONKIN, DIRECTOR COMMUNICATIONS & STAKEHOLDER RELATIONS



# MELBOURNE'S GROWTH

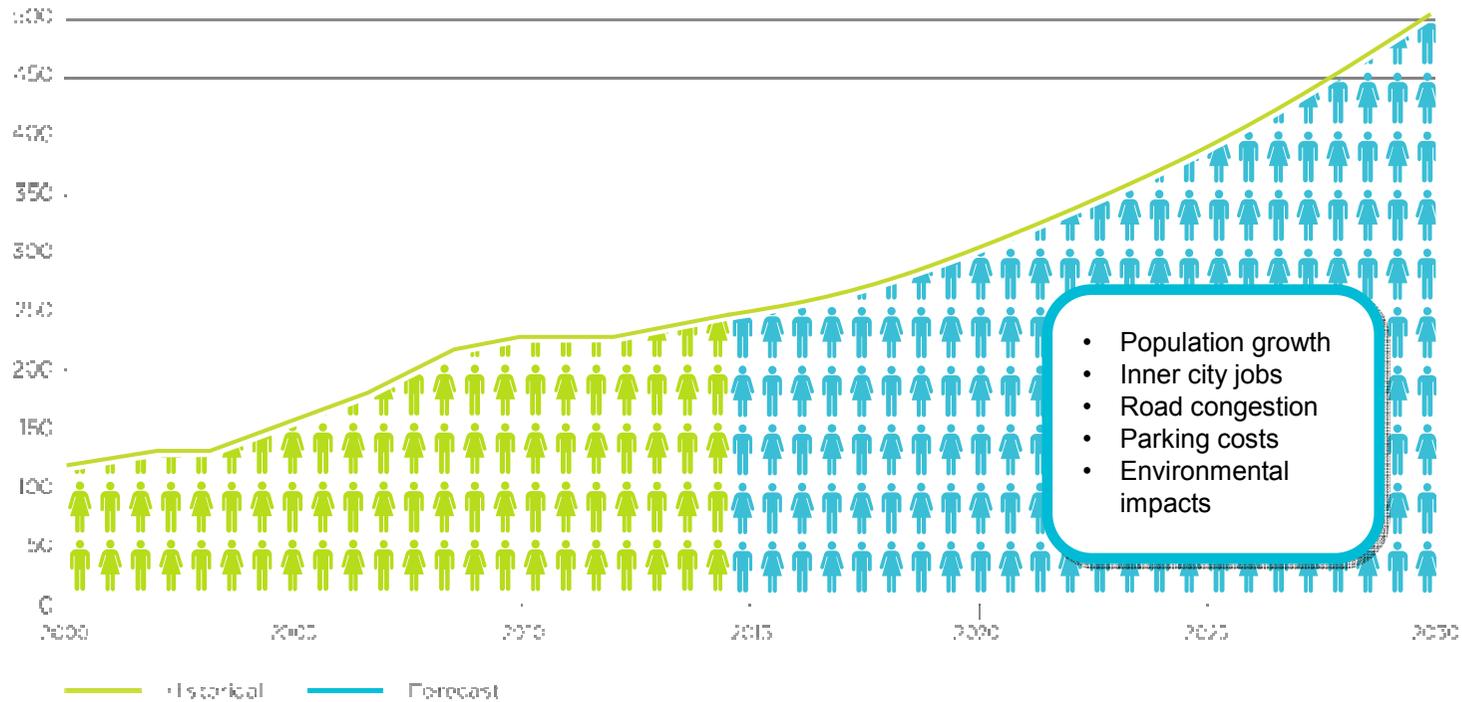


# MELBOURNE'S RAIL NETWORK



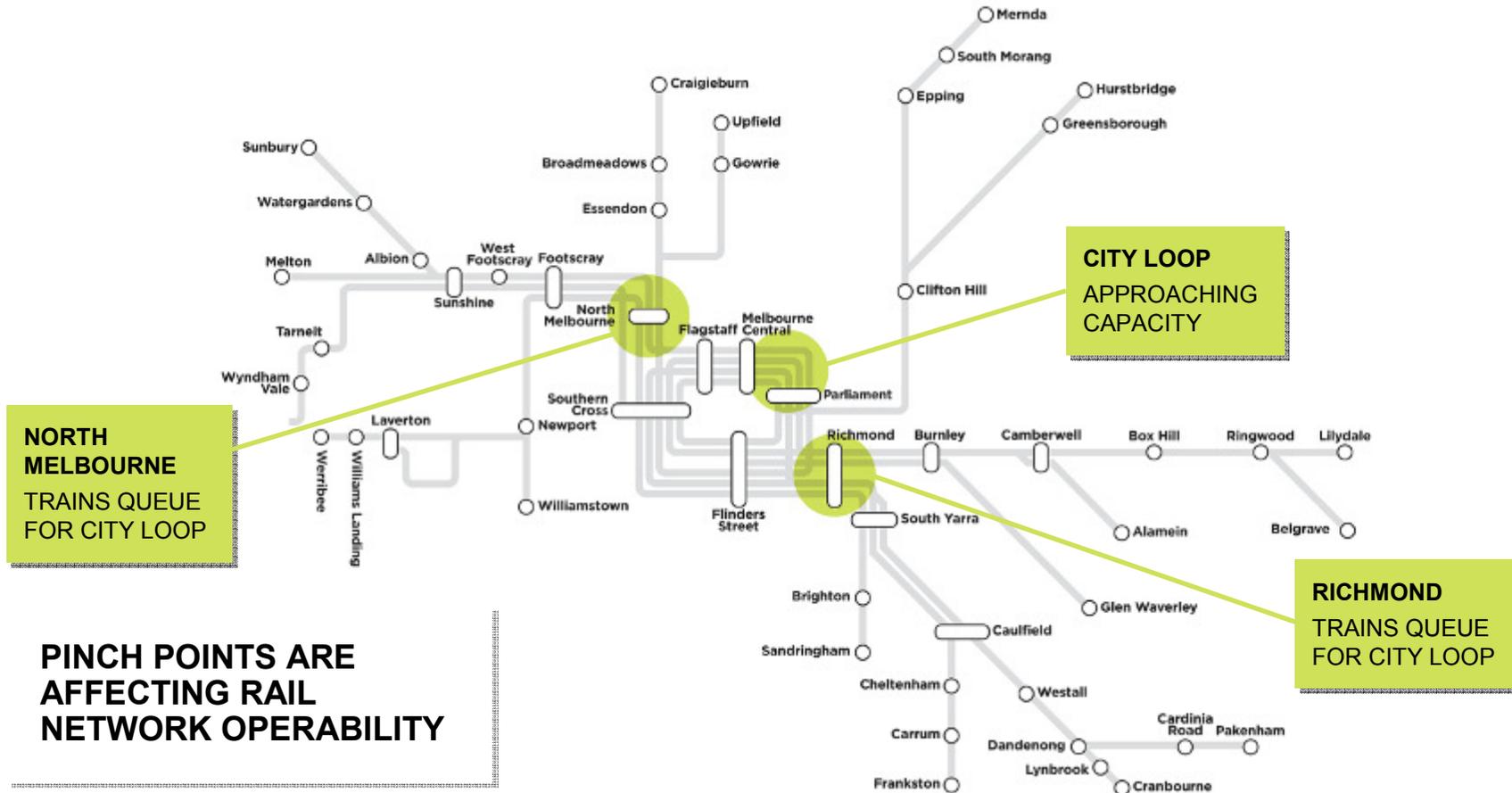
# FUTURE RAIL PATRONAGE

Annual patronage millions





# RAIL NETWORK PINCH POINTS





# TRAM PINCH POINTS



**PINCH POINTS ARE AFFECTING CBD TRANSPORT OPERABILITY**



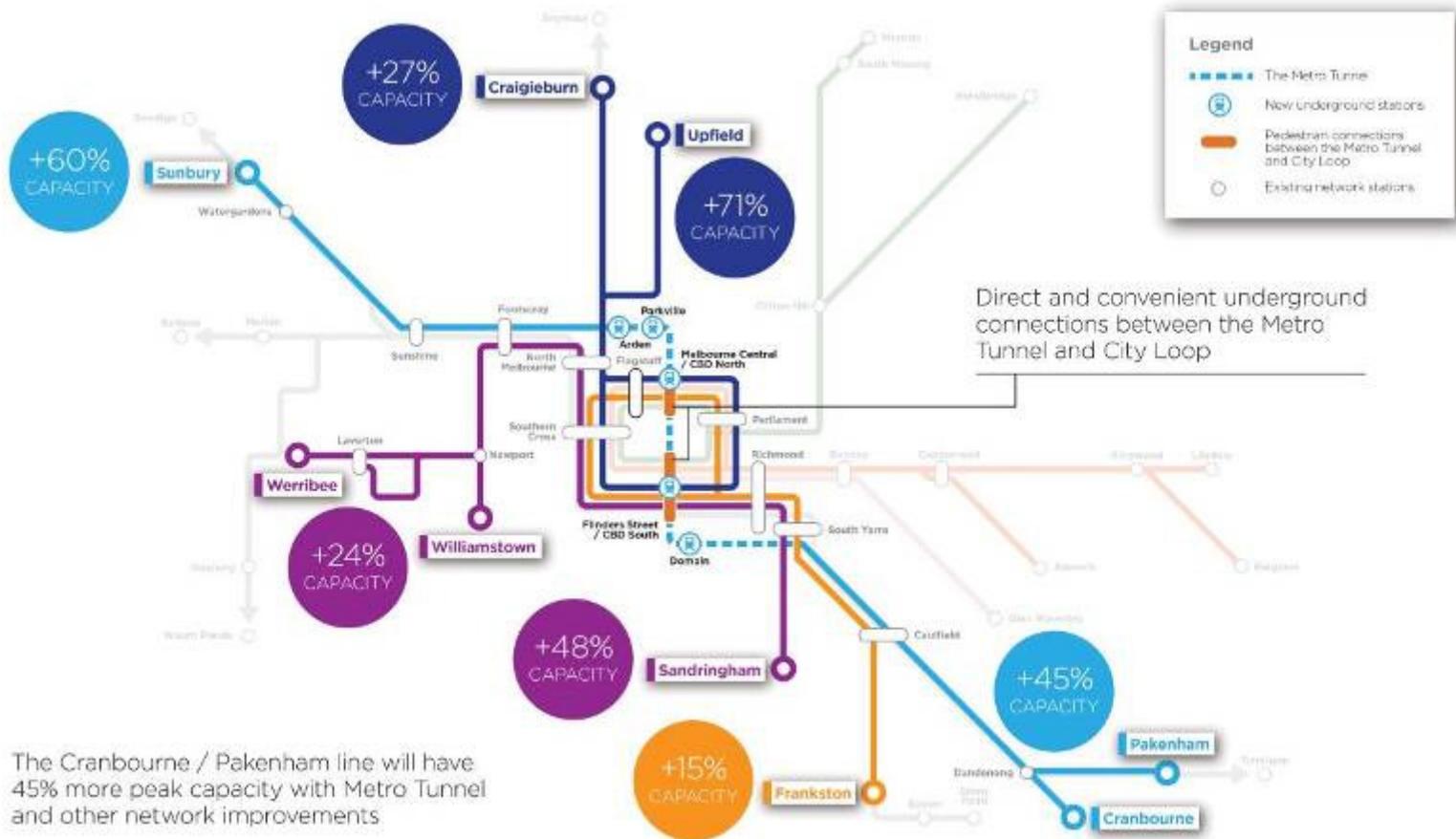
# **METRO TUNNEL PROJECT**







# CAPACITY BENEFITS



The Cranbourne / Pakenham line will have 45% more peak capacity with Metro Tunnel and other network improvements



# TRAMS WHERE THEY ARE NEEDED





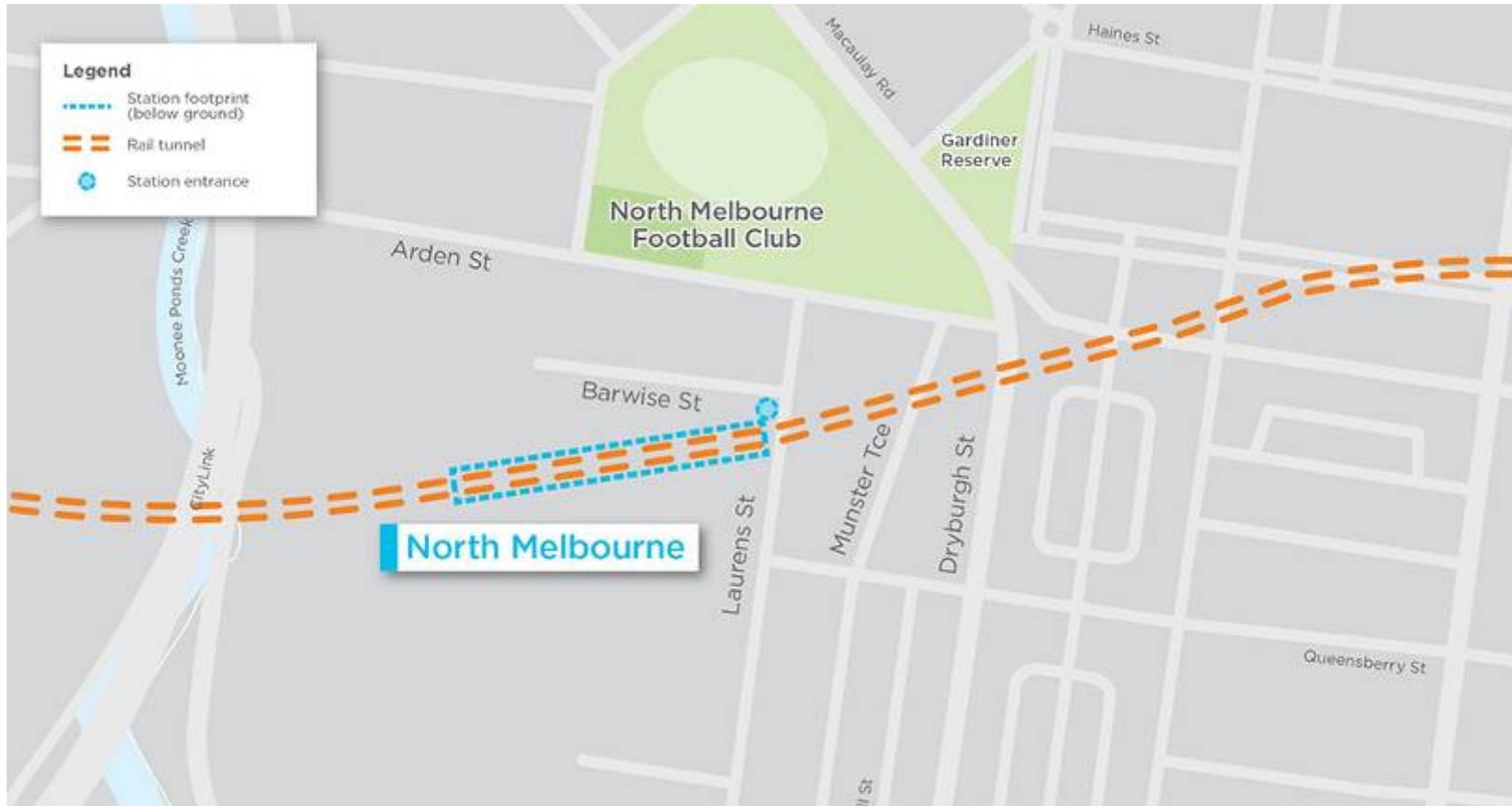
**SUNBURY  
LINE**



**FIVE NEW  
UNDERGROUND  
STATIONS**



# NORTH MELBOURNE (FORMERLY ARDEN)





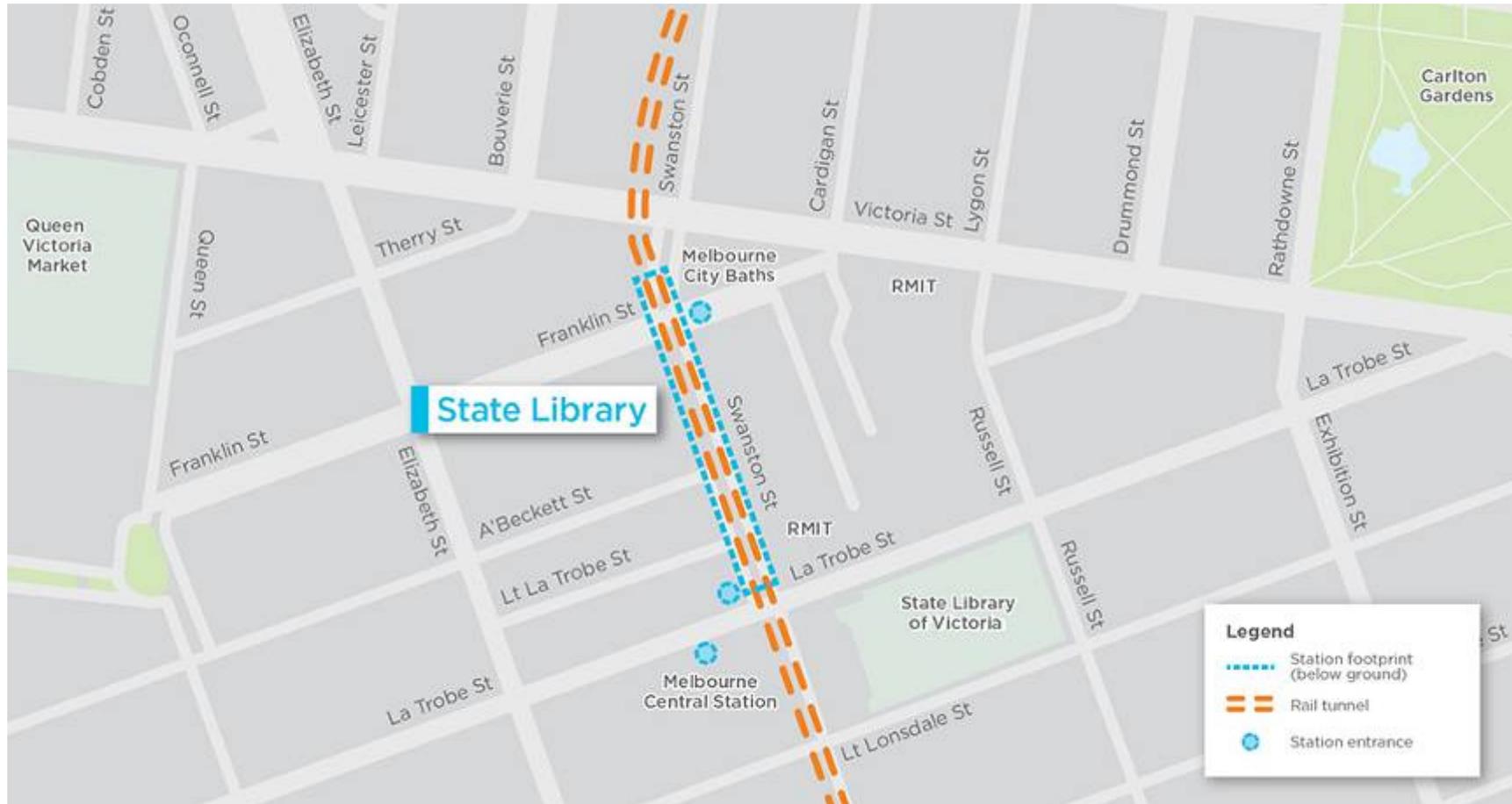
# ARDEN URBAN RENEWAL PRECINCT







# STATE LIBRARY



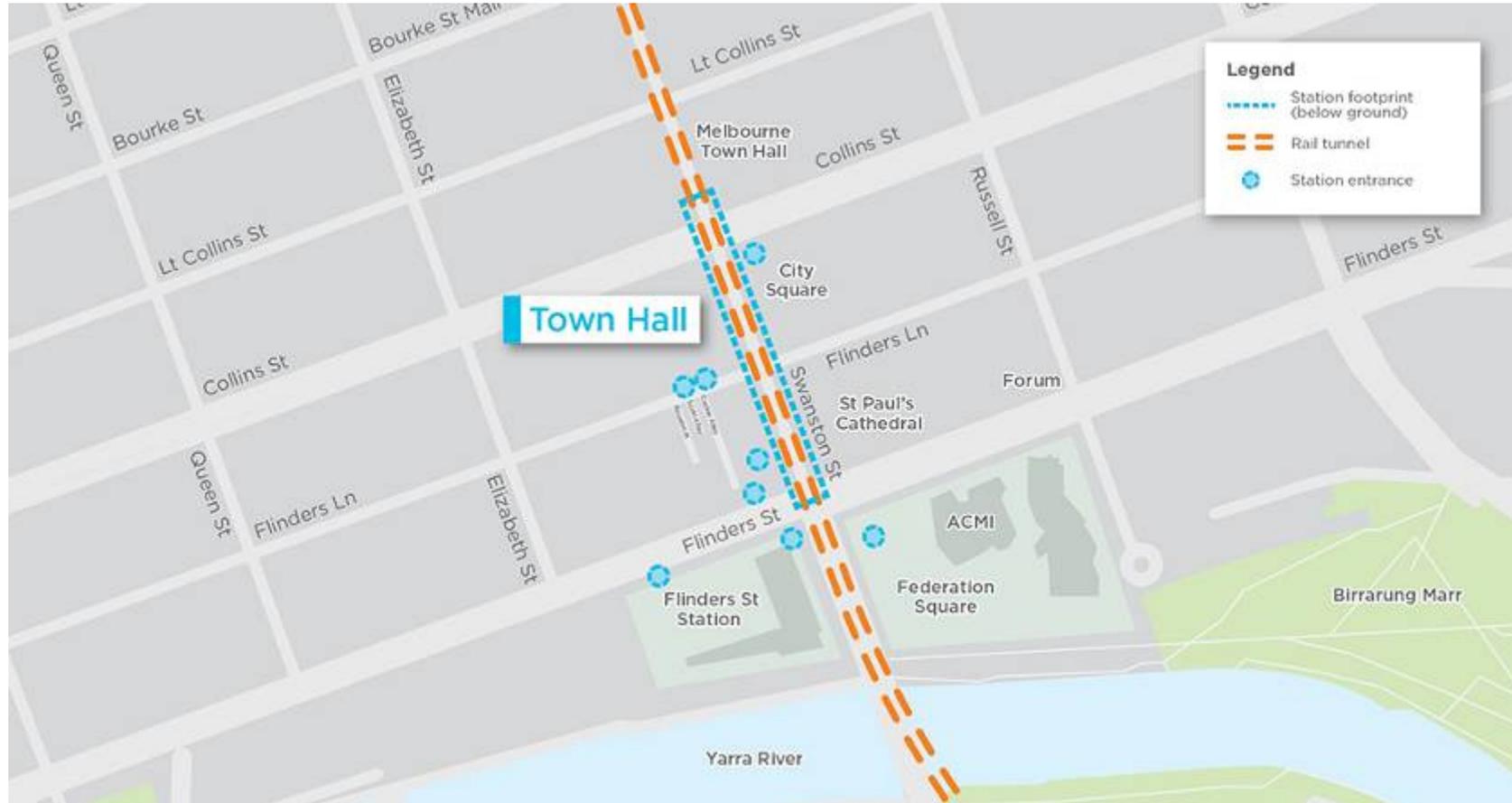


# DIRECT CITY LOOP CONNECTION





# TOWN HALL



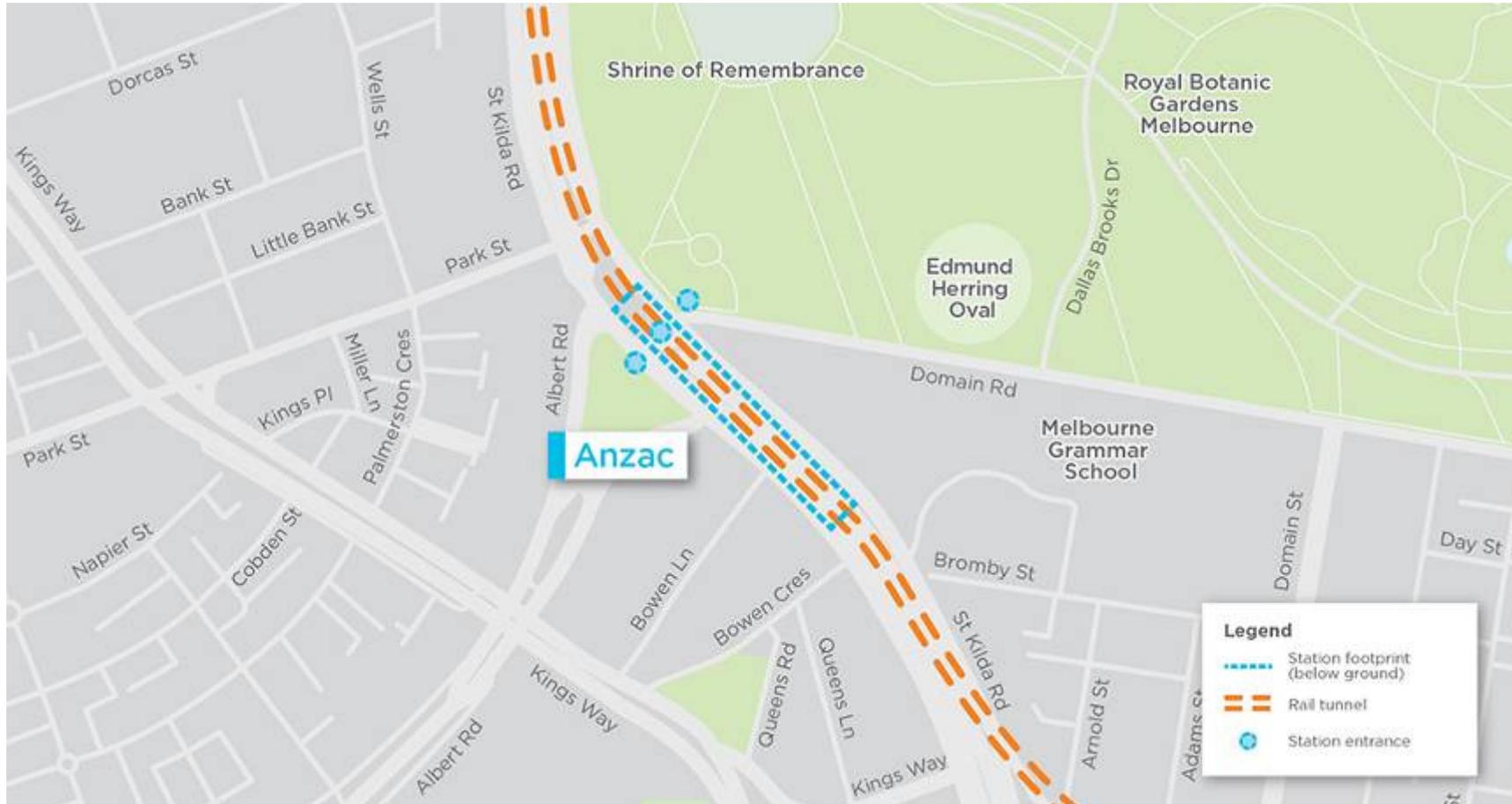


# DIRECT CITY LOOP CONNECTION





# ANZAC





# REVITALISED ALBERT ROAD RESERVE



# HIGH CAPACITY TRAINS AND SYSTEM



# HIGH CAPACITY METRO TRAINS





# HIGH CAPACITY SIGNALLING



**Services every 2-3 minutes  
with High Capacity Signalling**

# MANAGING CONSTRUCTION



# SIMULTANEOUS CONSTRUCTION



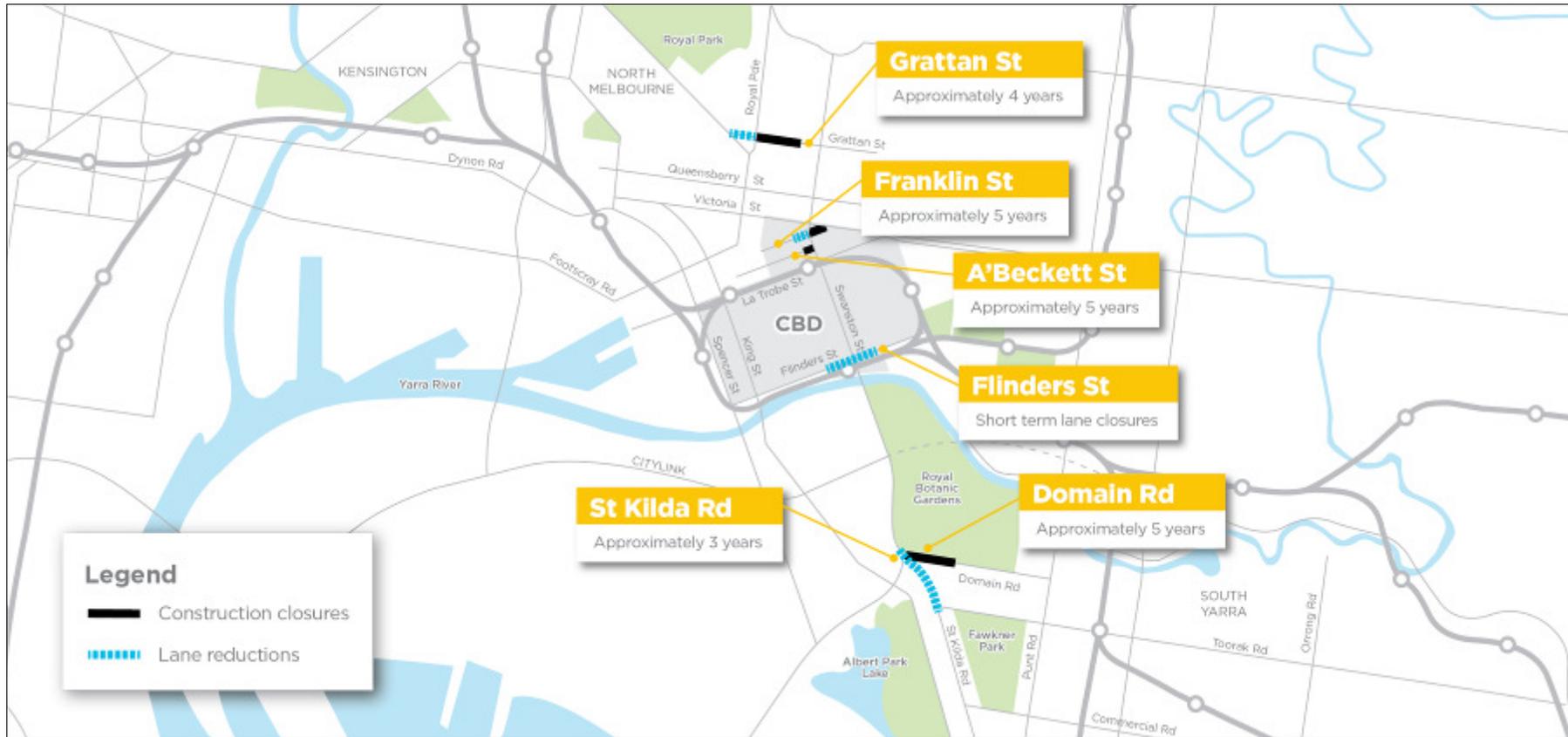


# TUNNEL BORING MACHINES



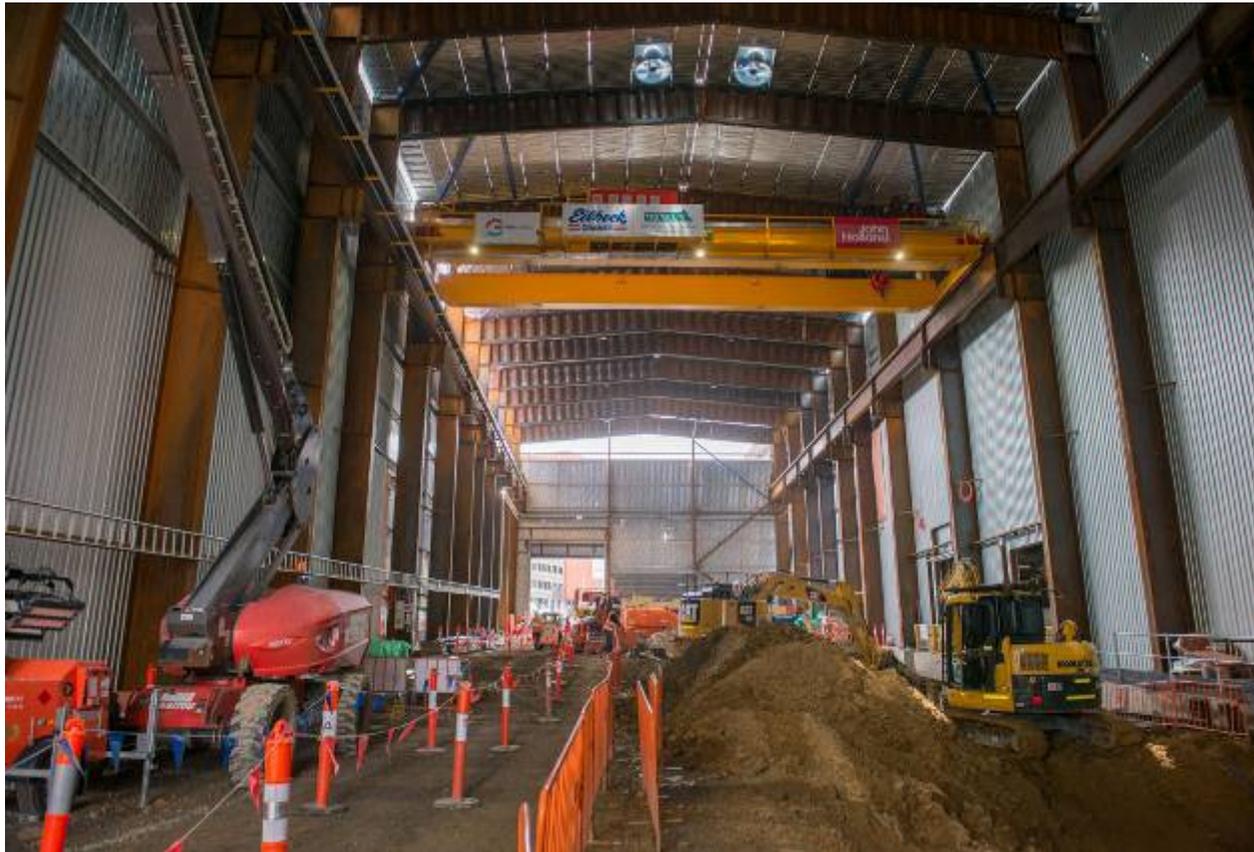


# ROAD IMPACTS





# ACOUSTIC SHEDS





# UPGRADING DIVERSION ROUTES





# KEY ROAD CHANGES



**WORKS UNDERWAY**



# NORTH MELBOURNE DEMOLITION





# PARKVILLE SERVICE RELOCATIONS





# FRANKLIN STREET ACOUSTIC SHED



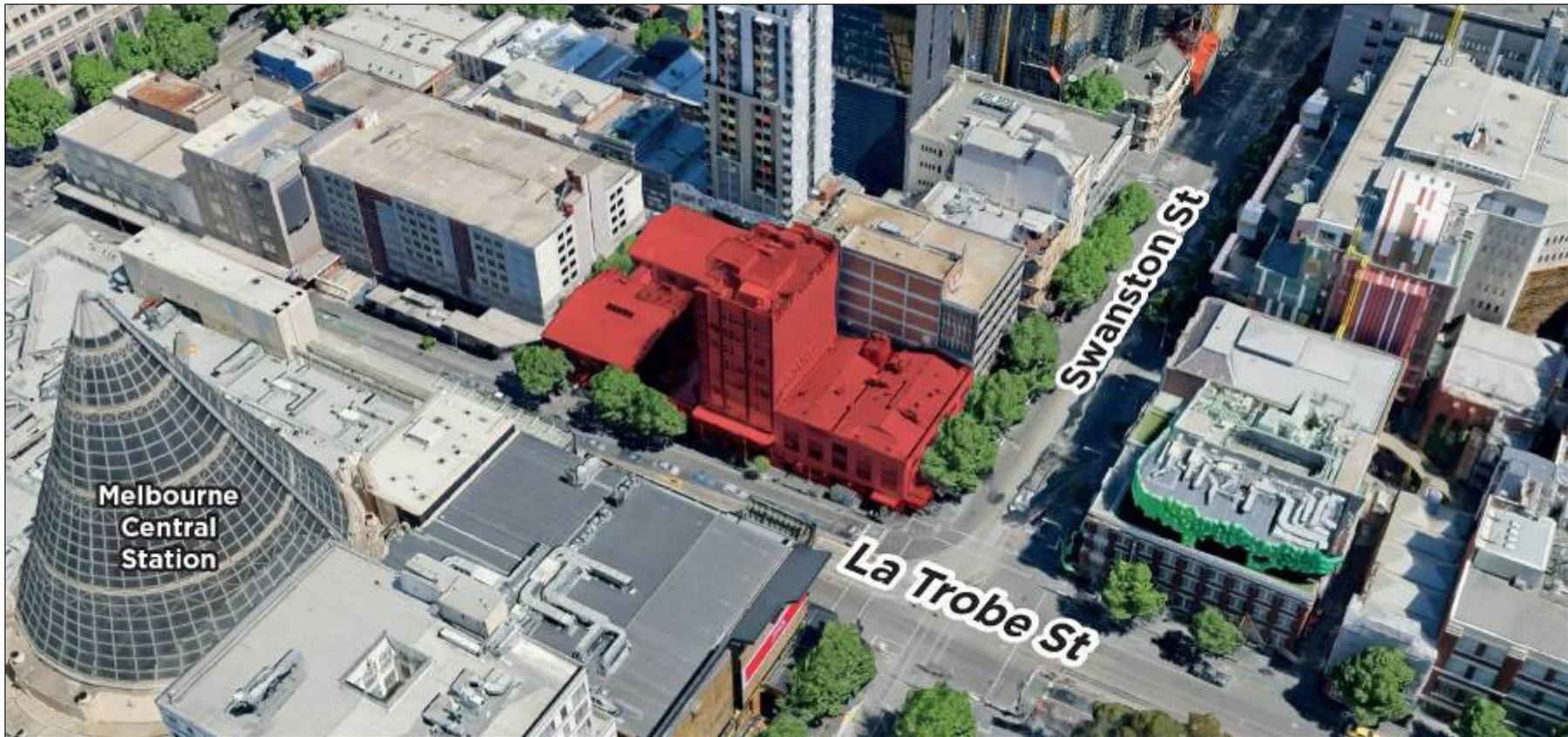


# A'BECKETT STREET ACOUSTIC SHED





# STATE LIBRARY STATION DEMOLITION





# CITY SQUARE CARPARK DEMOLITION



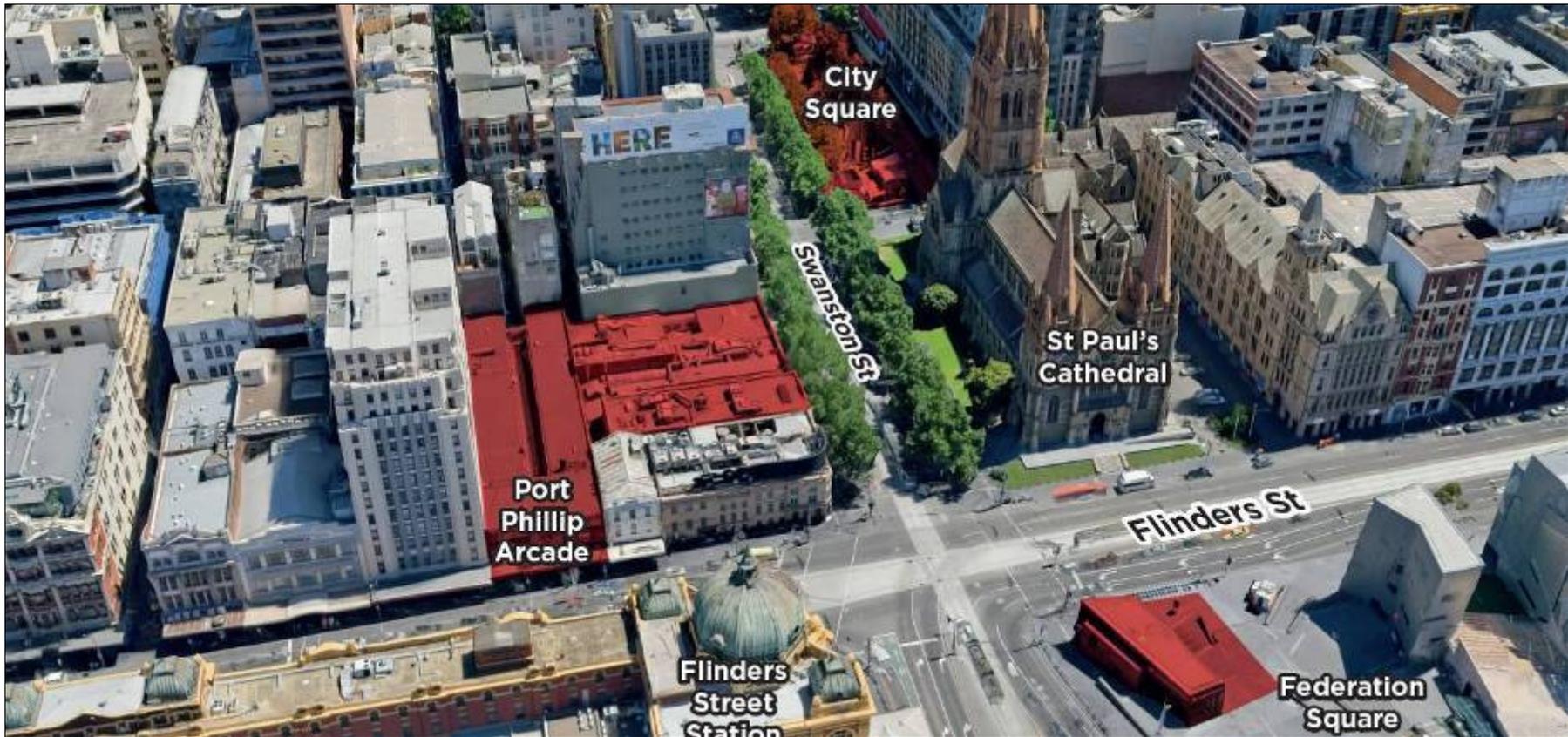


# VIEWING AREA





# TOWN HALL STATION DEMOLITION





# TOWN HALL STATION DEMOLITION



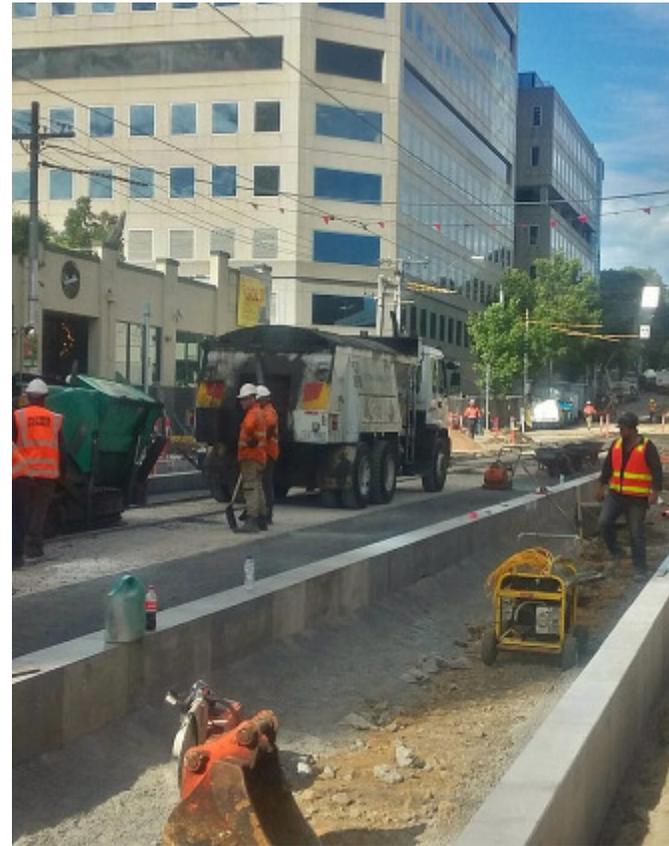


# ST KILDA ROAD





# PARK STREET TRAM WORKS





# WORK PACKAGES



## EARLY WORKS

- Utility services relocation, demolition, CBD access shafts and other preparatory works (Managing Contractor)
- Tram diversion works (Franchisee Works)
- Construction power (Utility Service Provider)

## TUNNEL AND STATIONS (AVAILABILITY PPP)

- 9km twin tunnels and five underground stations including fit-out
- Mechanical and electrical systems
- Tunnel and stations maintenance
- Rail systems installation within the tunnel

## RAIL INFRASTRUCTURE (ALLIANCE)

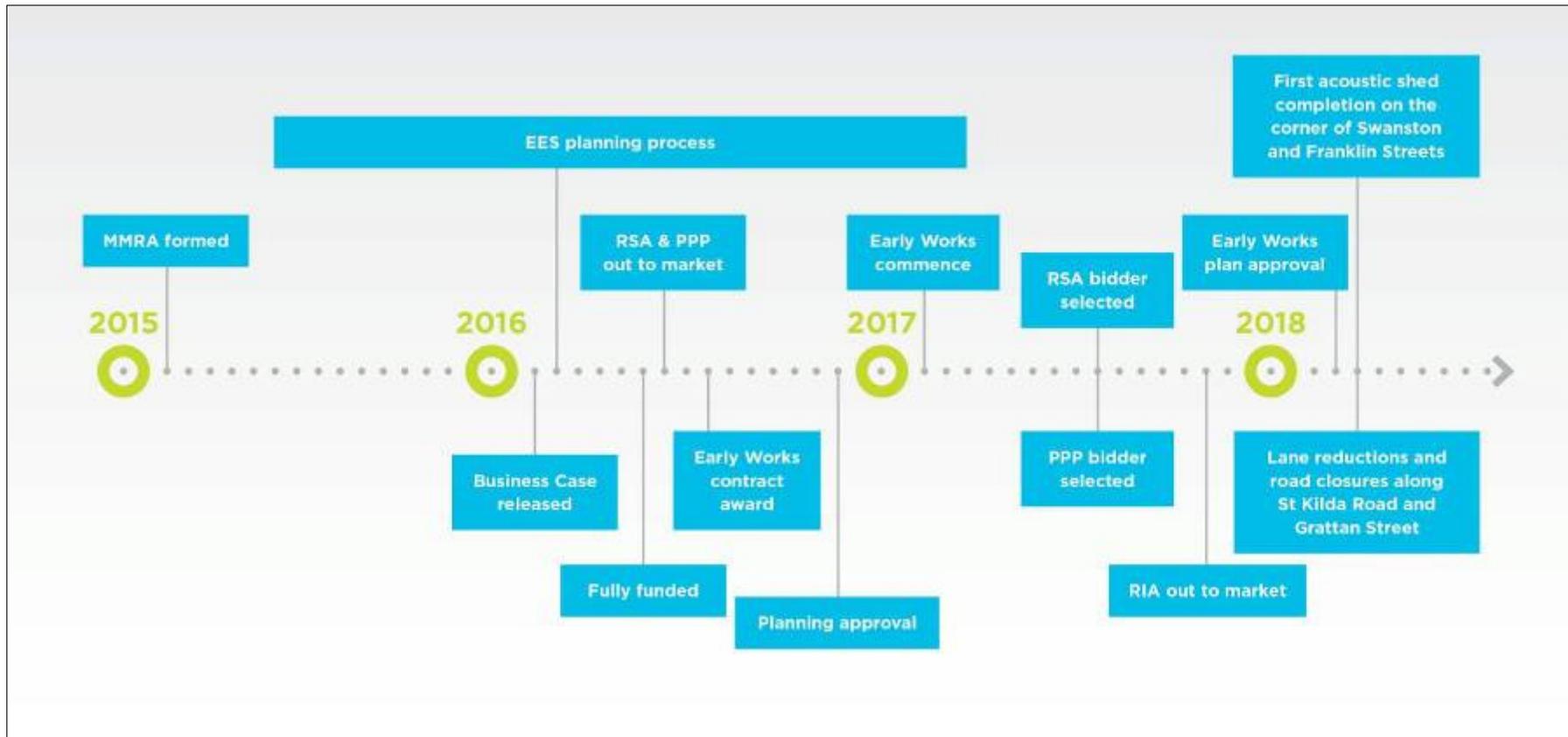
- Eastern and Western Portals
- Integration of portal with existing rail networks (civil track, overhead line equipment, signalling)
- Eastern and Western Turnback
- Wider network enhancements

## RAIL SYSTEMS (ALLIANCE)

- High capacity signalling
- Conventional signalling upgrades and modifications
- Communication systems
- Platform screen doors
- Train control and operational control systems
- Systems integration and end-to-end commissioning

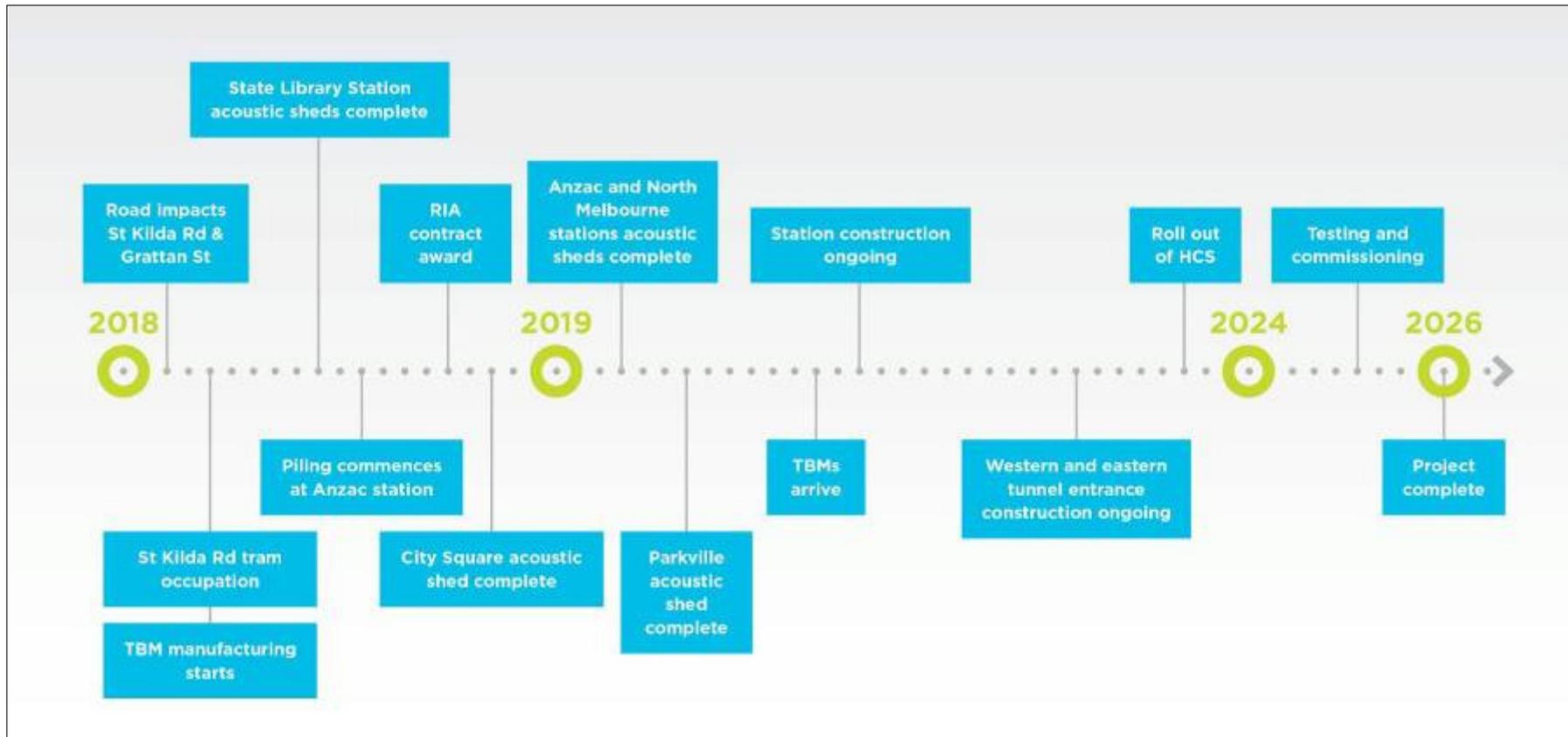


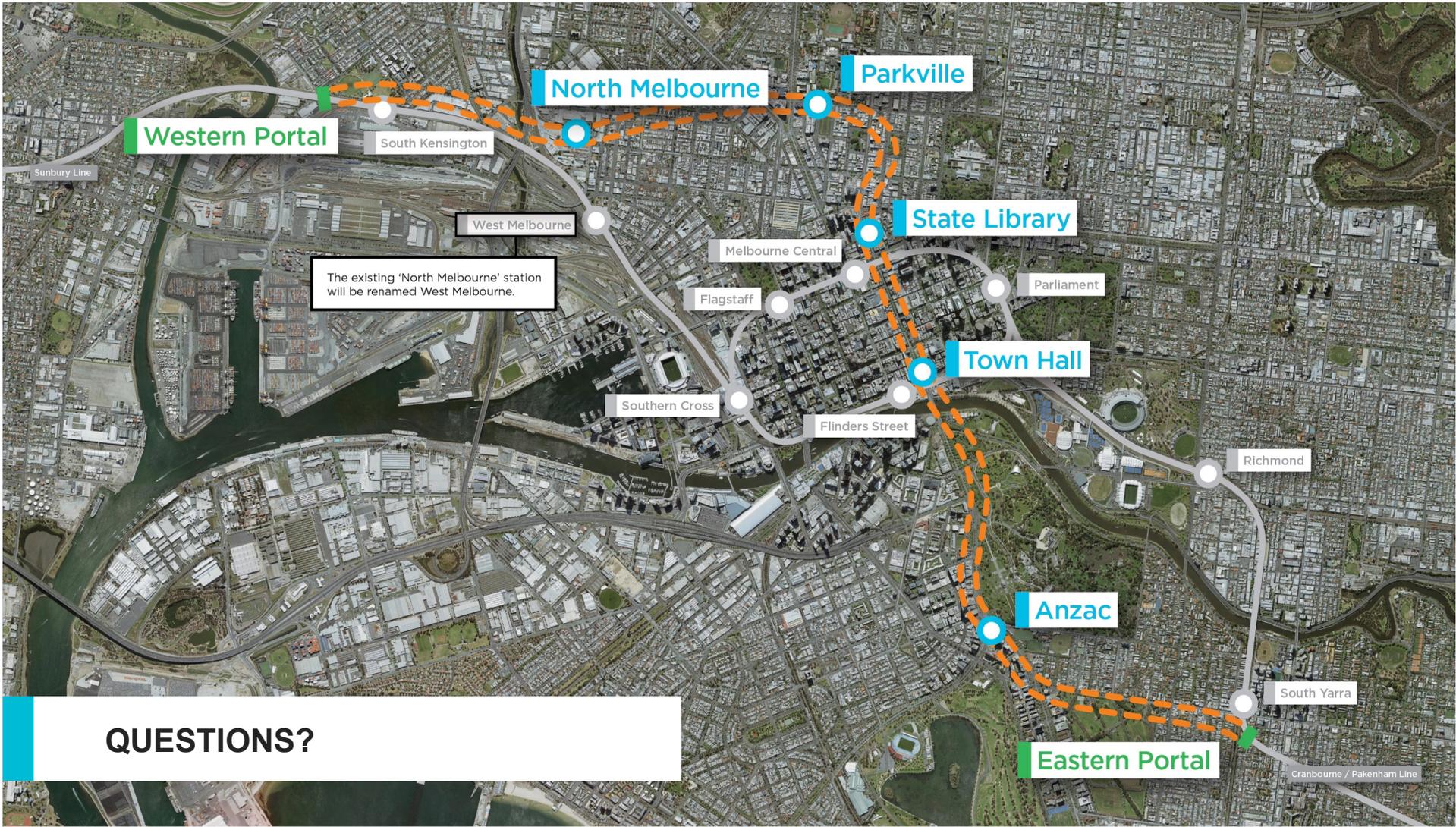
# MILESTONES





# NEXT STEPS





**QUESTIONS?**