



MELBOURNE METRO RAIL PROJECT

EXPANDING MELBOURNE'S UNDERGROUND RAIL NETWORK

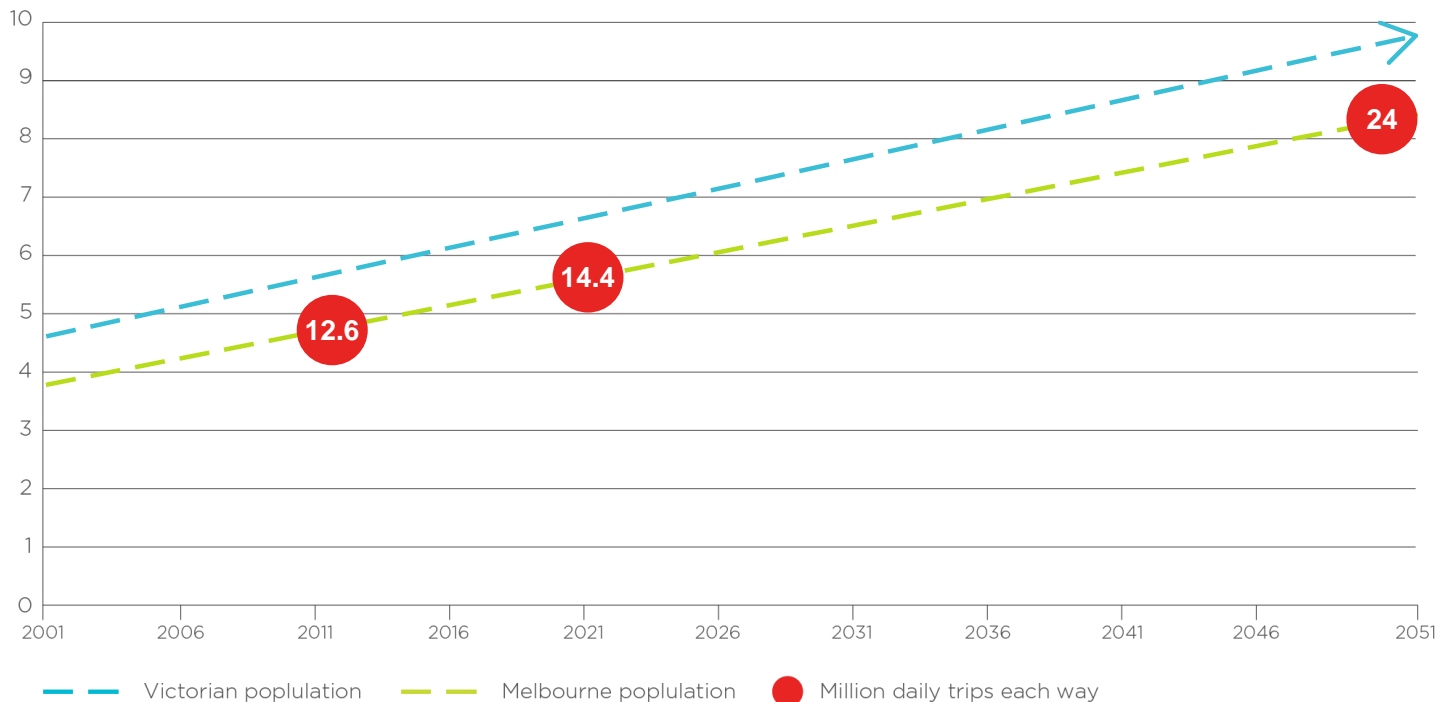
UPDATE FOR RESIDENTS OF THE DOMAIN PRECINCT
APRIL 2016



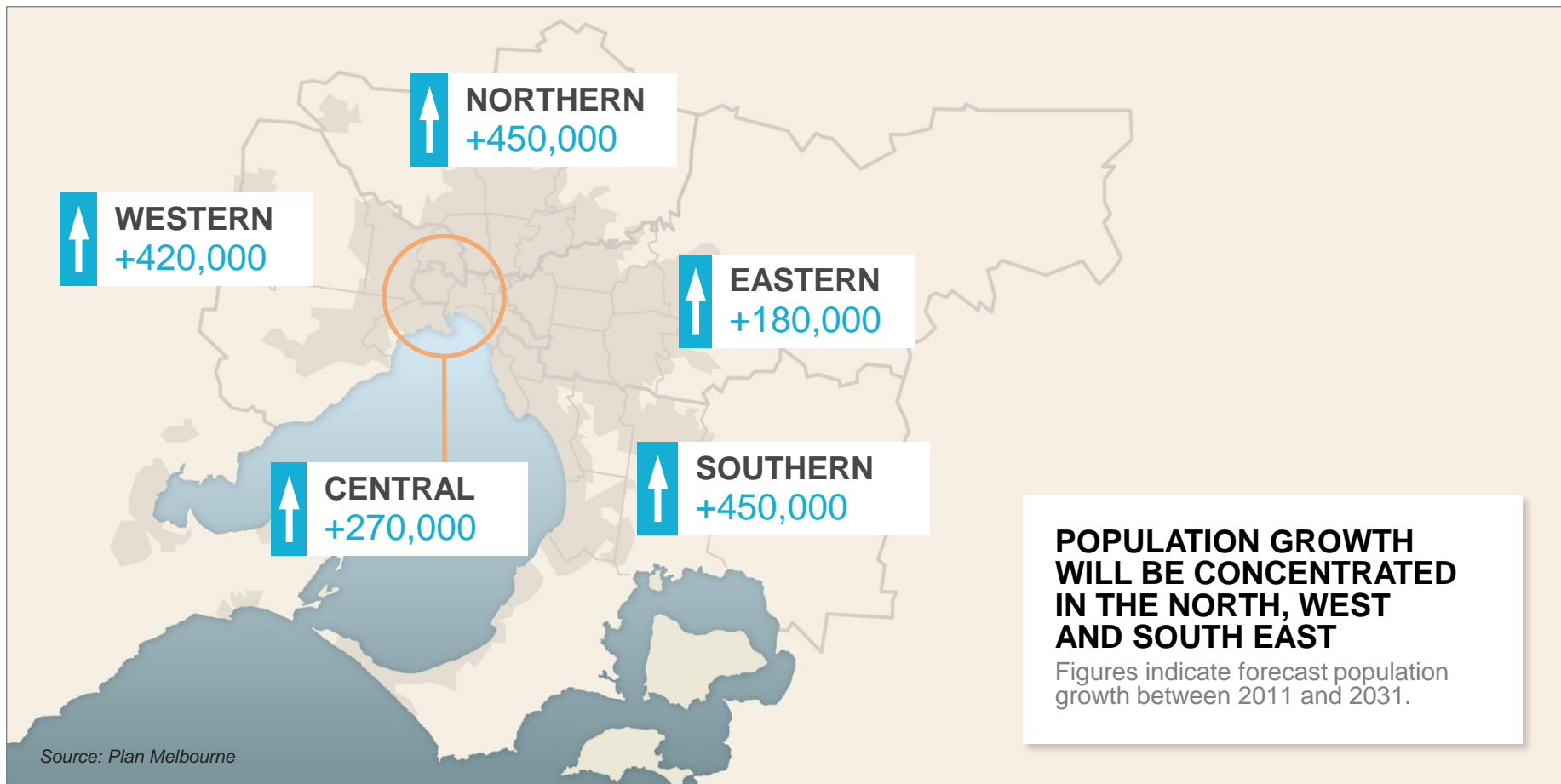


MEETING THE CHALLENGE OF POPULATION GROWTH

million people

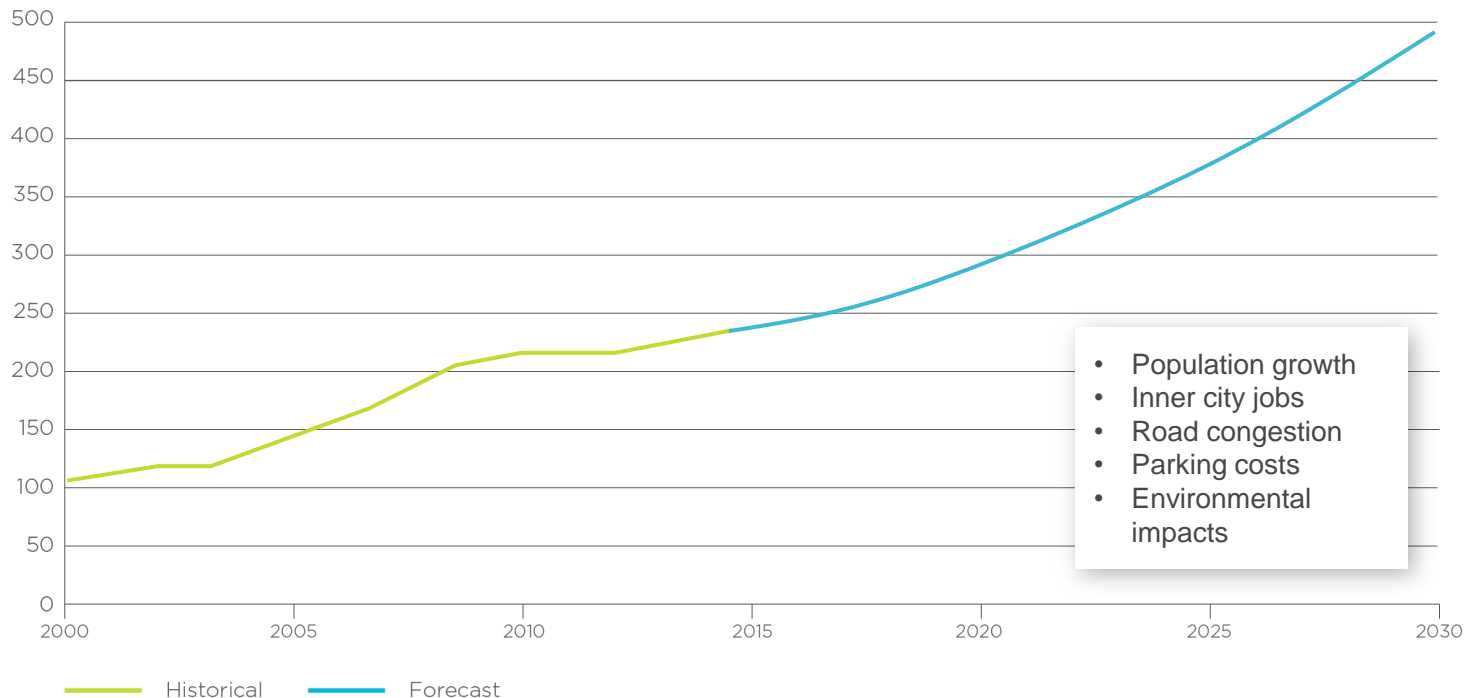


MELBOURNE METRO POPULATION GROWTH

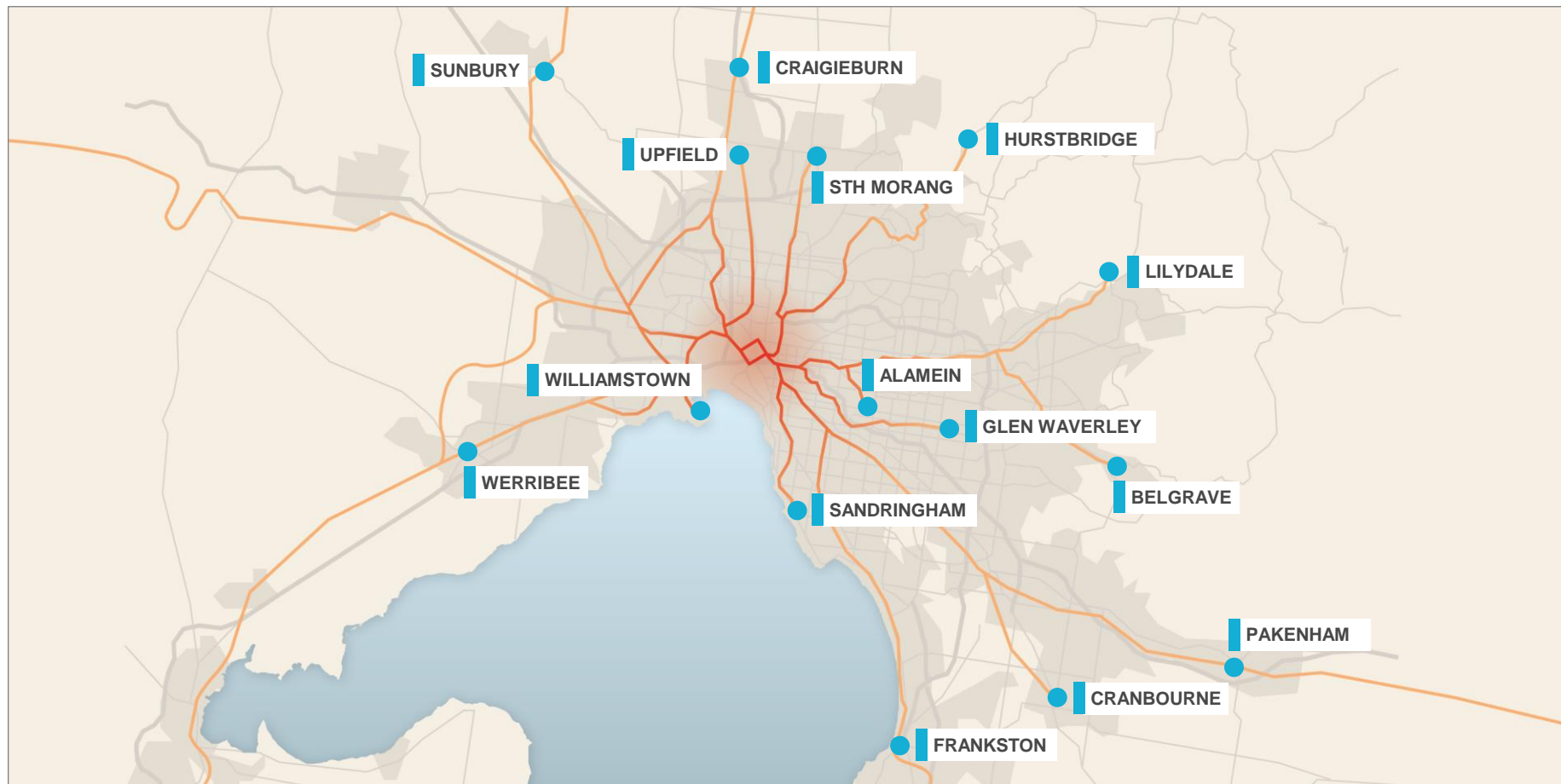


FUTURE RAIL NETWORK PATRONAGE

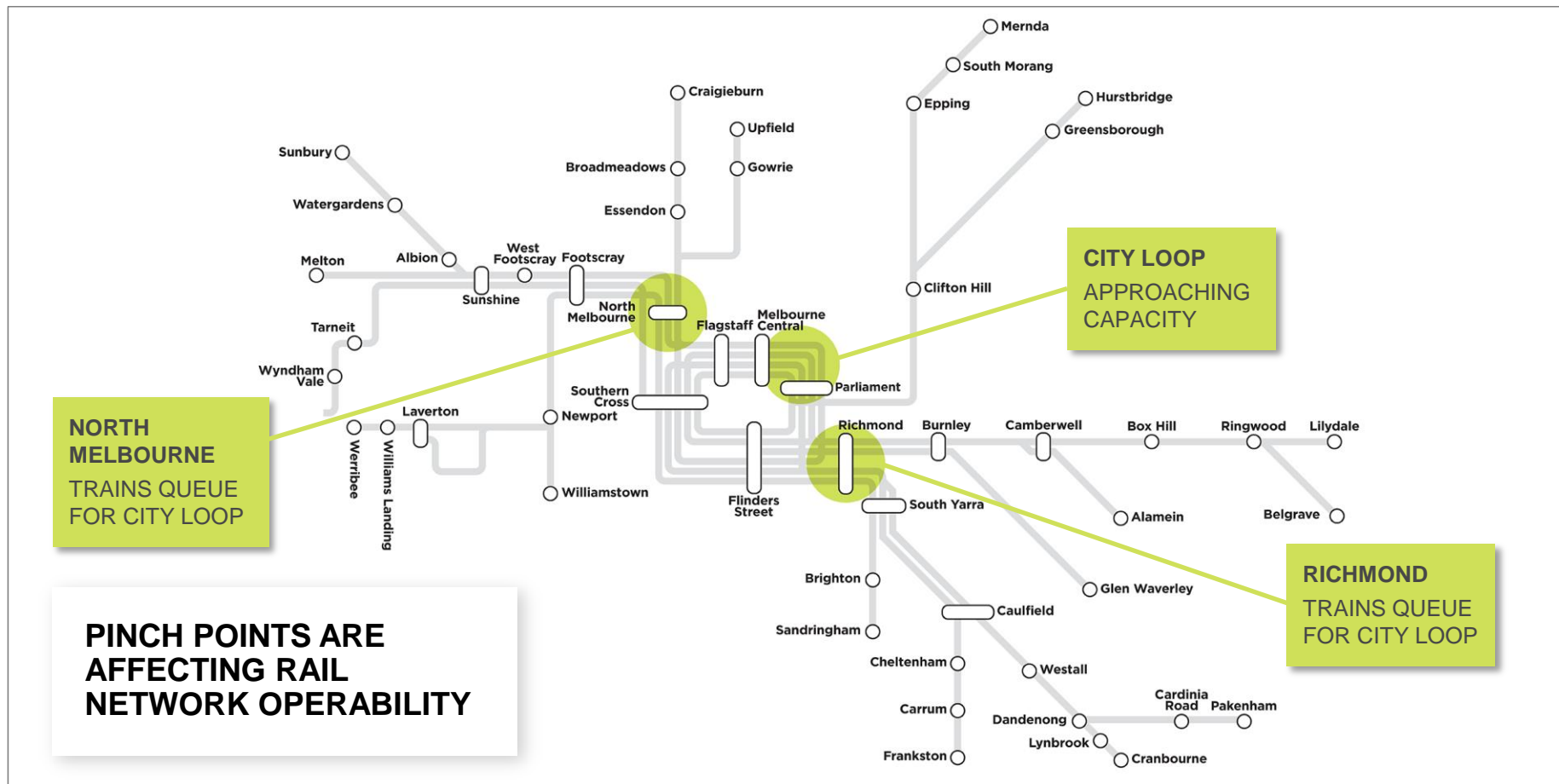
Annual patronage millions



MELBOURNE METRO CURRENT RAIL NETWORK

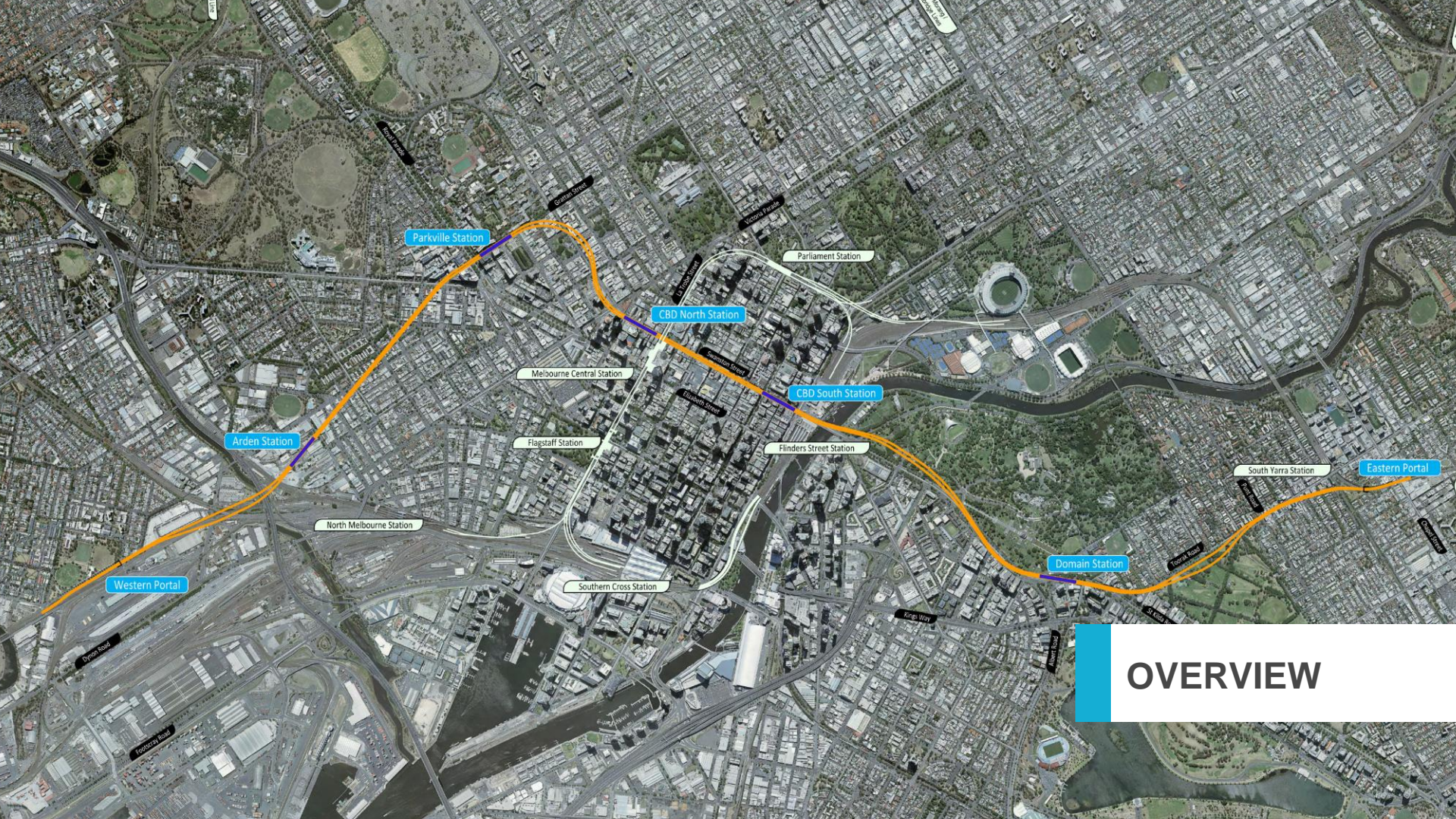


MELBOURNE METRO NETWORK PINCH POINTS



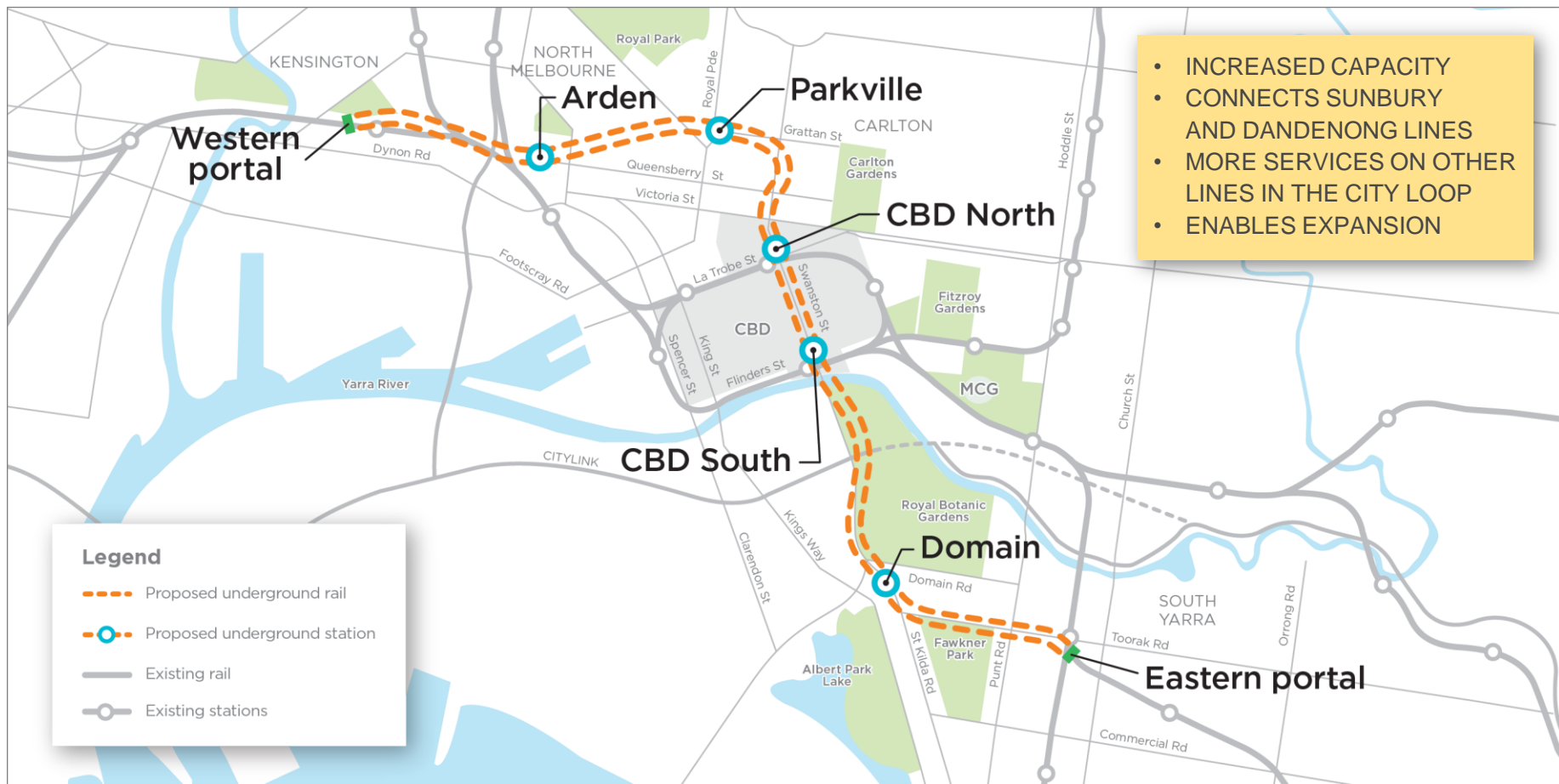
MELBOURNE METRO CBD TRANSPORT PINCH POINTS



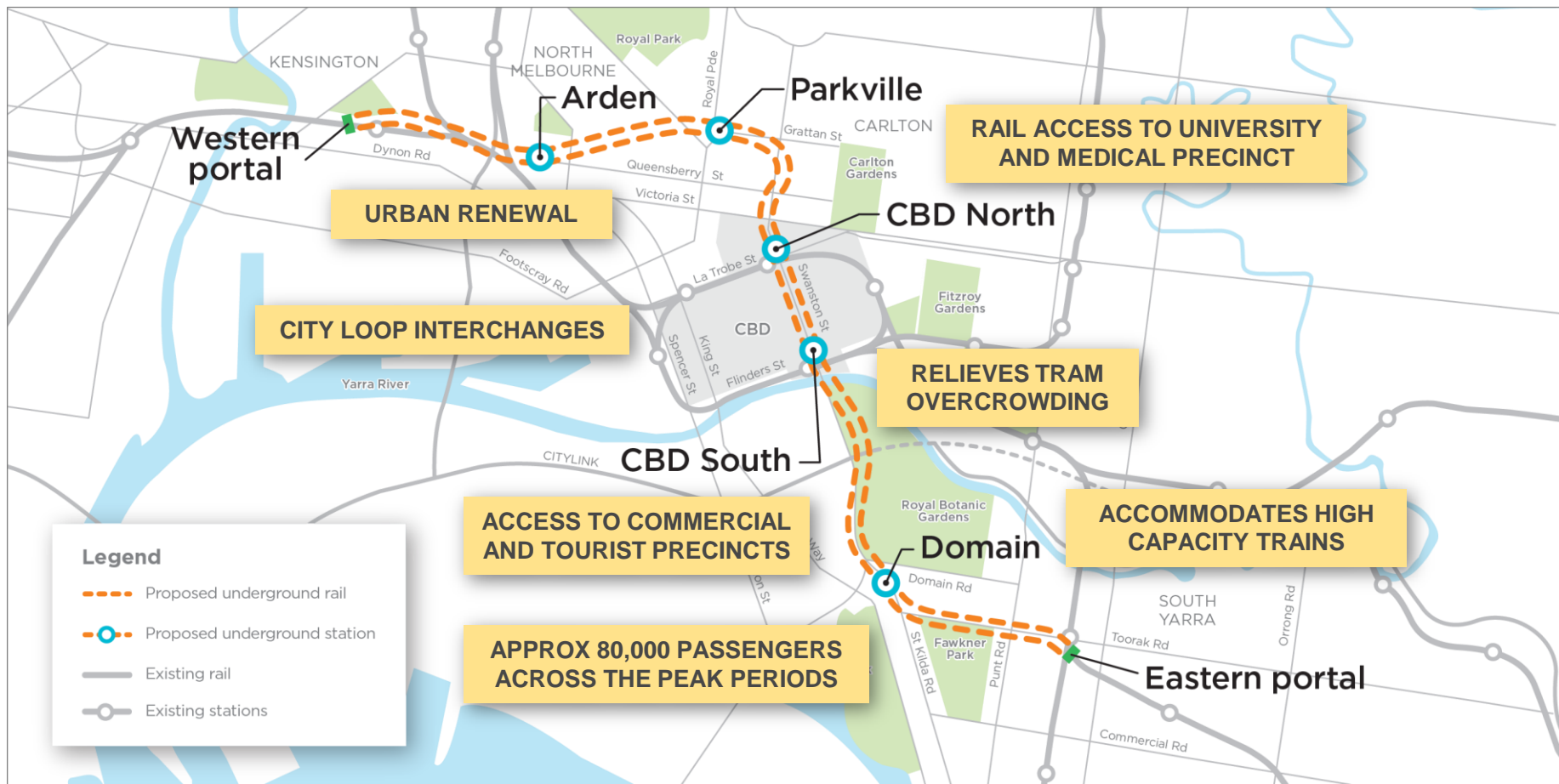


OVERVIEW

MELBOURNE METRO OVERVIEW



MELBOURNE METRO DIRECT BENEFITS





BUSINESS CASE FINDINGS

Publicly released in February – available at project website

- **Enhances Melbourne's liveability and Victoria's prosperity** by improving access to jobs, education, health, sport and culture
- **Expands the inner core of the rail network** to meet demand in the growth corridors to the north, west and south-east of Melbourne
- More evenly distributes passenger flow and **eases overcrowding** in the inner core of the network
- Creates **education and job opportunities** in city's inner west for Melbourne's key population growth corridor to the north-west
- **Improves access to the CBD and Parkville** to support Victoria's growing knowledge economy



BUSINESS CASE FINDINGS

- **Upgrades rail capacity** into and out of five existing and emerging national employment clusters (Parkville, Monash, Dandenong South, Sunshine, and East Werribee)
- Reshapes travel demand to **enable future opportunities for the tram network** by moving services to the west of the CBD
- **Relieves** tram **crowding** and **congestion** on St Kilda Road and Swanston Street
- Improves **capacity, reliability and punctuality** for rail passengers



**NEW STATION
AT DOMAIN**



DOMAIN STATION

Legend

-  Station footprint (below ground)
-  Rail tunnel
-  Proposed station entrance

**NEW STATION
AT DOMAIN**



BUSINESS CASE – DOMAIN STATION

- Domain station - key strategic importance
- Services commercial, retail, residential & tourism precincts
- St Kilda Rd, Kings Way, South Melbourne
- Relieves congestion on tram corridor



BUSINESS CASE – DOMAIN STATION

- Responds to increasing demand for public transport
- Provides access to 33,000 jobs & 17,000 residents (within 800m of location) in 2031
- Seamless interchange with tram services
- Will lift productivity - efficient access to jobs, health, education
- Would be used by almost 40,000 people each day in 2031



DOMAIN PRECINCT: CHALLENGES

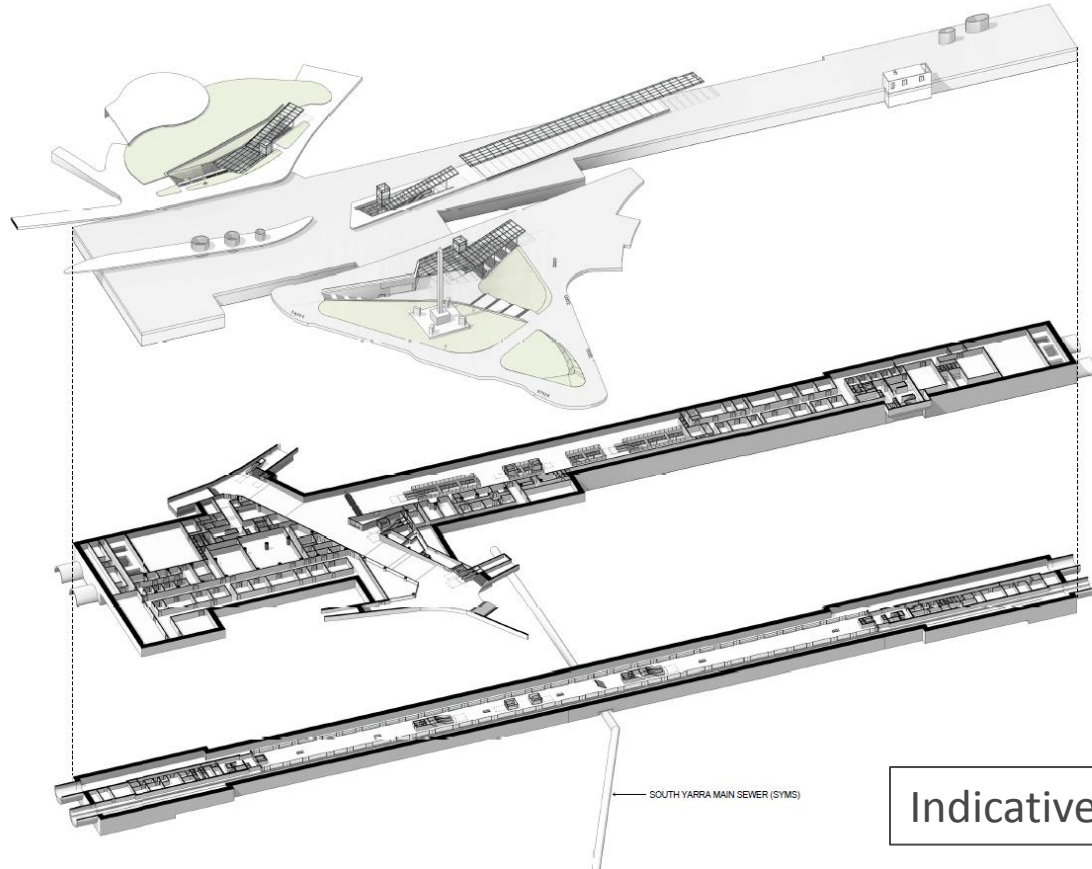
- Shrine of Remembrance / commemorative events and ceremonies
- St Kilda Road - busiest tram corridor in the world
- Impact on arterial and local roads
- Local schools
- Nearby residents
- Major cycling route



Indicative only

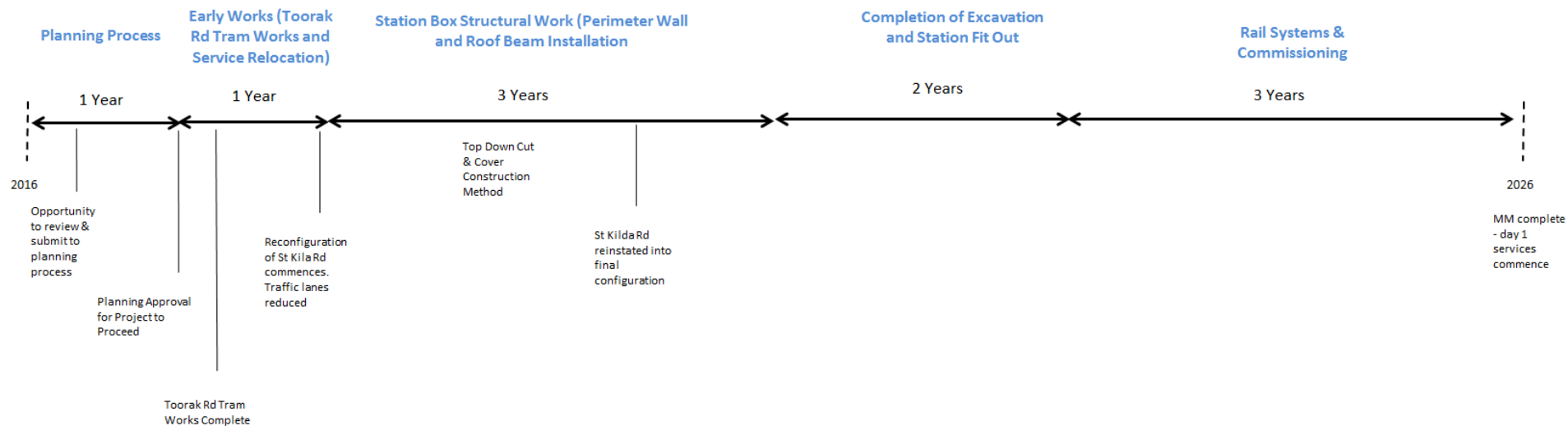


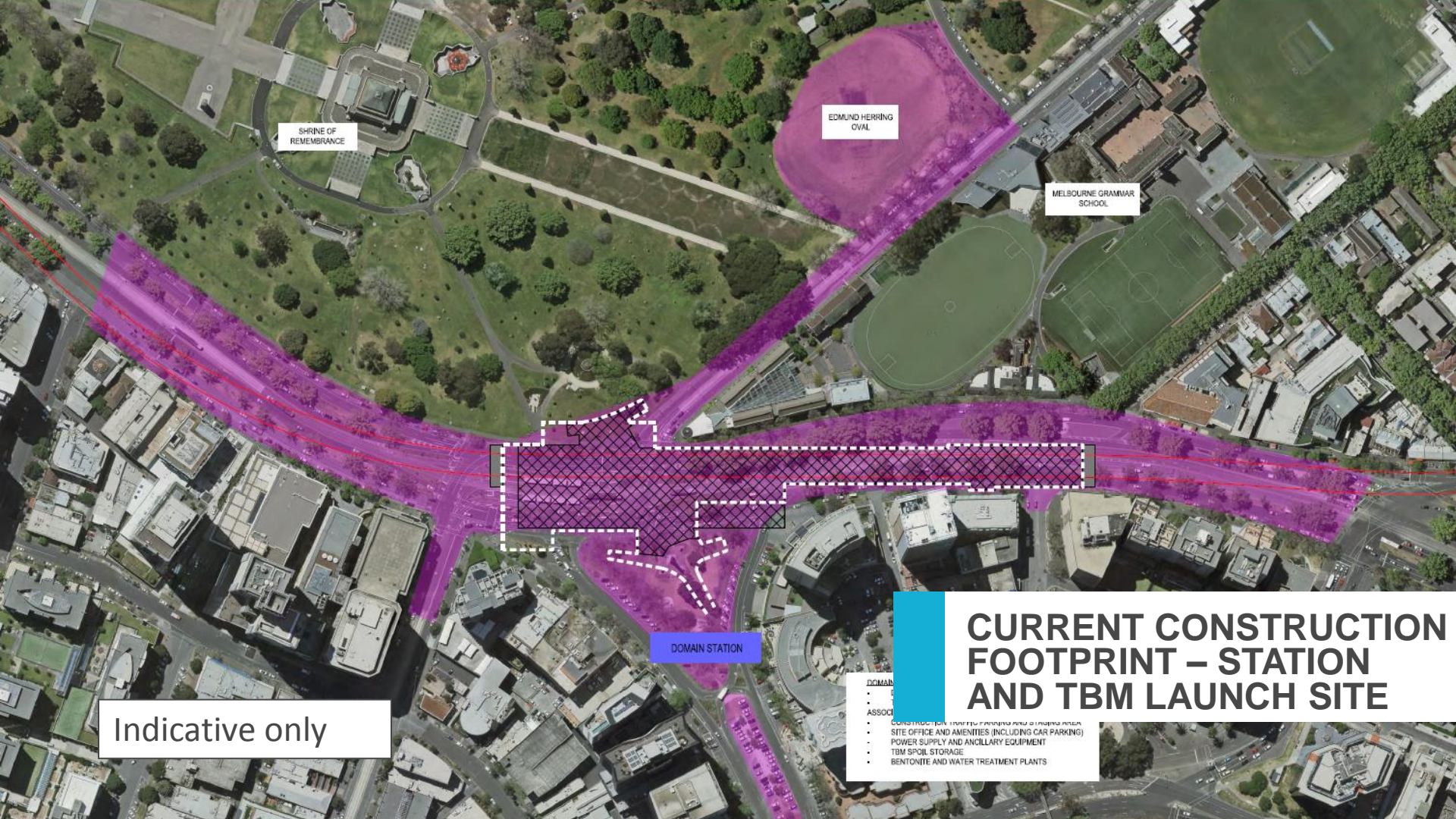
DOMAIN STATION - REFERENCE DESIGN



Indicative only

INDICATIVE TIMING





SHRINE OF
REMEMBRANCE

EDMUND HERRING
OVAL

MELBOURNE GRAMMAR
SCHOOL

DOMAIN STATION

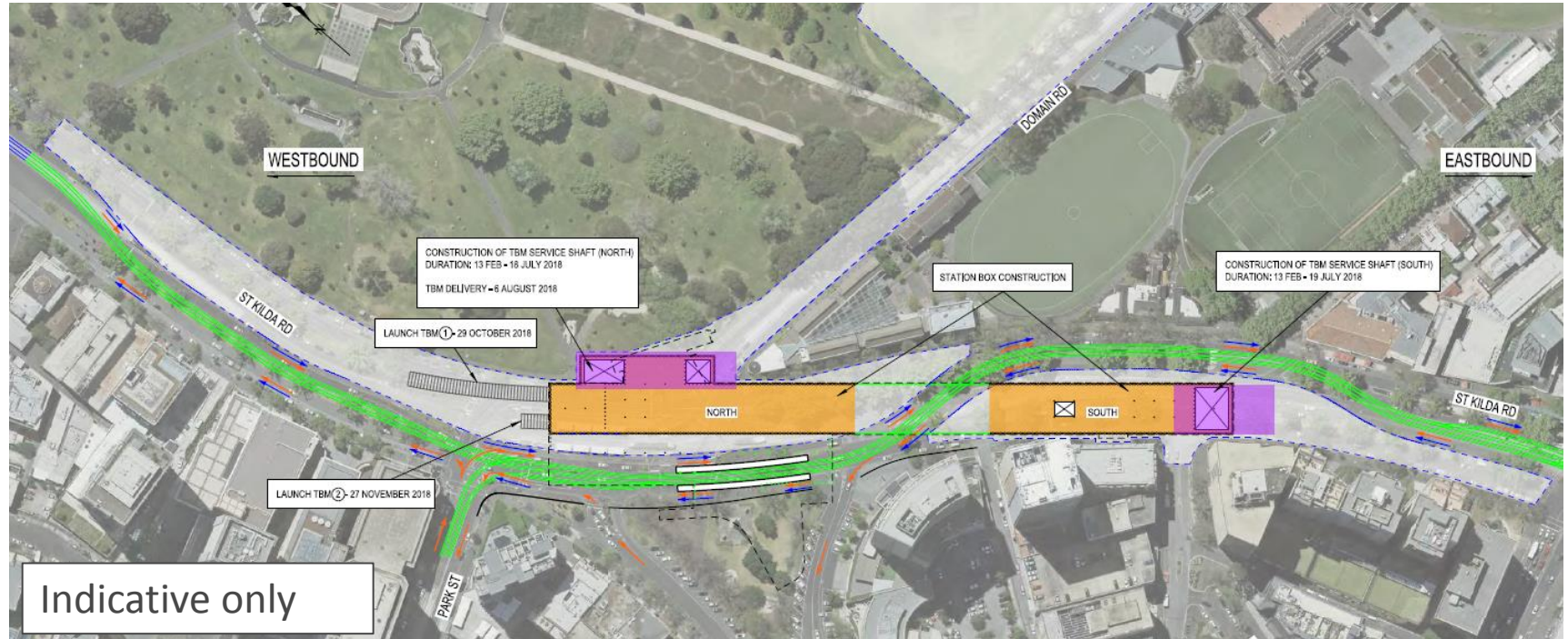
CURRENT CONSTRUCTION FOOTPRINT – STATION AND TBM LAUNCH SITE

Indicative only

- DOMAIN STATION
- ASSOCIATED INFRASTRUCTURE
- CONSTRUCTION STAFF OFFICE AND AMENITIES
- SITE OFFICE AND AMENITIES (INCLUDING CAR PARKING)
- POWER SUPPLY AND ANCILLARY EQUIPMENT
- TBM SPOIL STORAGE
- BENTONITE AND WATER TREATMENT PLANTS



ST KILDA ROAD: CONFIGURATION DURING CONSTRUCTION





PLANNING PROCESS

The Environment Effects Statement covers a comprehensive range of impact assessments.

Key upcoming milestones:

- Public exhibition May / June 2016
- Inquiry hearings August / September 2016
- Final assessment Late 2016 / Early 2017



PROJECT PLANNING UPDATE

The Assessment Project evaluated in the project EES comprises:

- Concept Design
- Environmental Performance Requirements
- Proposed Project Boundary

The Environmental Performance Requirements define the environmental outcomes that must be achieved during design, construction and operation of the project. They allow flexibility by our delivery partners in how the outcomes will be achieved.

The project will be delivered in accordance with the Environmental Performance Requirements.



EES ASSESSMENTS – SPECIALIST REPORTS

Land Use & Community

- Land use and planning
- Economics and business
- Social and community
- Visual and landscape

Cultural Assets

- European heritage
- Aboriginal heritage

Amenity

- Noise and vibration
- Air quality

Earth Conditions

- Hydrology
- Groundwater and contamination

Connectivity

- Transport and traffic

Ecology

- Arboriculture (trees)
- Terrestrial flora and fauna
- Aquatic flora and fauna

Greenhouse Gas / Sustainability

- ESD
- Greenhouse gas



NEXT STEPS

- 2016:** Statutory planning approvals – EES
Finalise reference design
Ongoing market engagement
Engage Early Works contractor
Release Expression of Interest – Major Works
Commence Enabling Works
- 2017:** Early works, eg site preparation and service relocation
- 2018:** Commence Major Works
- 2026:** Completion date



QUESTIONS?

Website: www.mmrailproject.vic.gov.au

Twitter: @mmrailproject

LinkedIn: Melbourne Metro Rail Authority

