



# ARDEN AND PARKVILLE COMMUNITY REFERENCE GROUP

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MEETING 2

15 MARCH 2019



Construction partner:



# AGENDA

1. Introductions and welcome
2. Parkville construction update
3. Arden construction update
4. Tunnelling update
5. Environmental management update
6. Traffic and transport update
7. Community/stakeholder update
8. General feedback for future discussion
9. Meeting close.

# CONSTRUCTION UPDATE - PARKVILLE

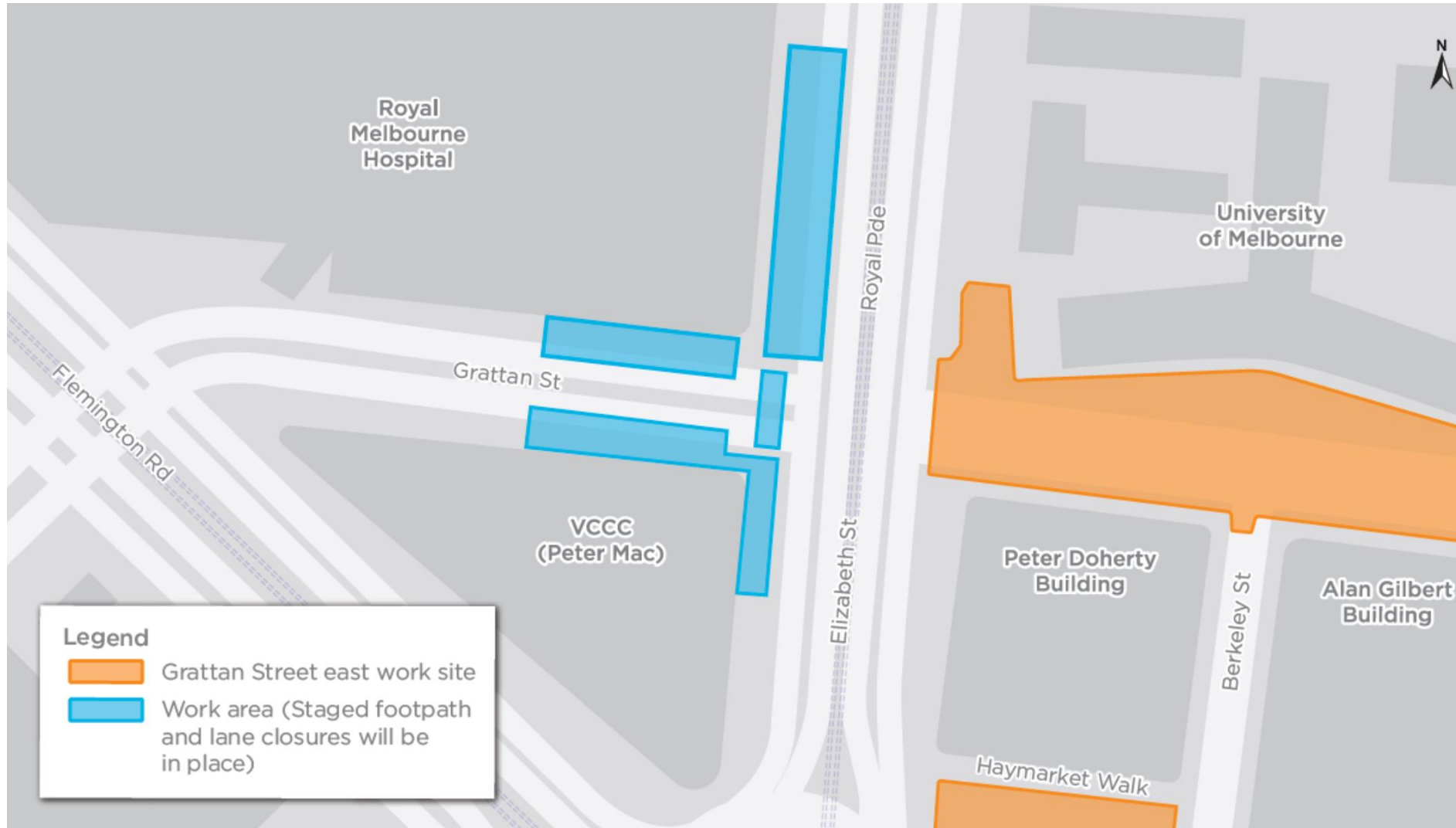


# PARKVILLE 2019 TIMELINE

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Open excavation (Stage 1)	█	█	█	█	█							
Service locating – Grattan St west		█	█	█								
Installation of gantry cranes			█	█	█	█						
Service investigations – Grattan St west			█	█	█	█						
Closed excavation with trucks entering excavation area underneath deck to remove material (Stage 2)				█	█	█	█	█	█	█	█	█
Service relocations (July 19 – Feb 20)							█	█	█	█	█	█
Gantry cranes remove excavated material and load into trucks waiting inside acoustic enclosures (Stage 3)							█	█	█	█	█	█
Base slab construction commences											█	█

Dates subject to change

# PARKVILLE



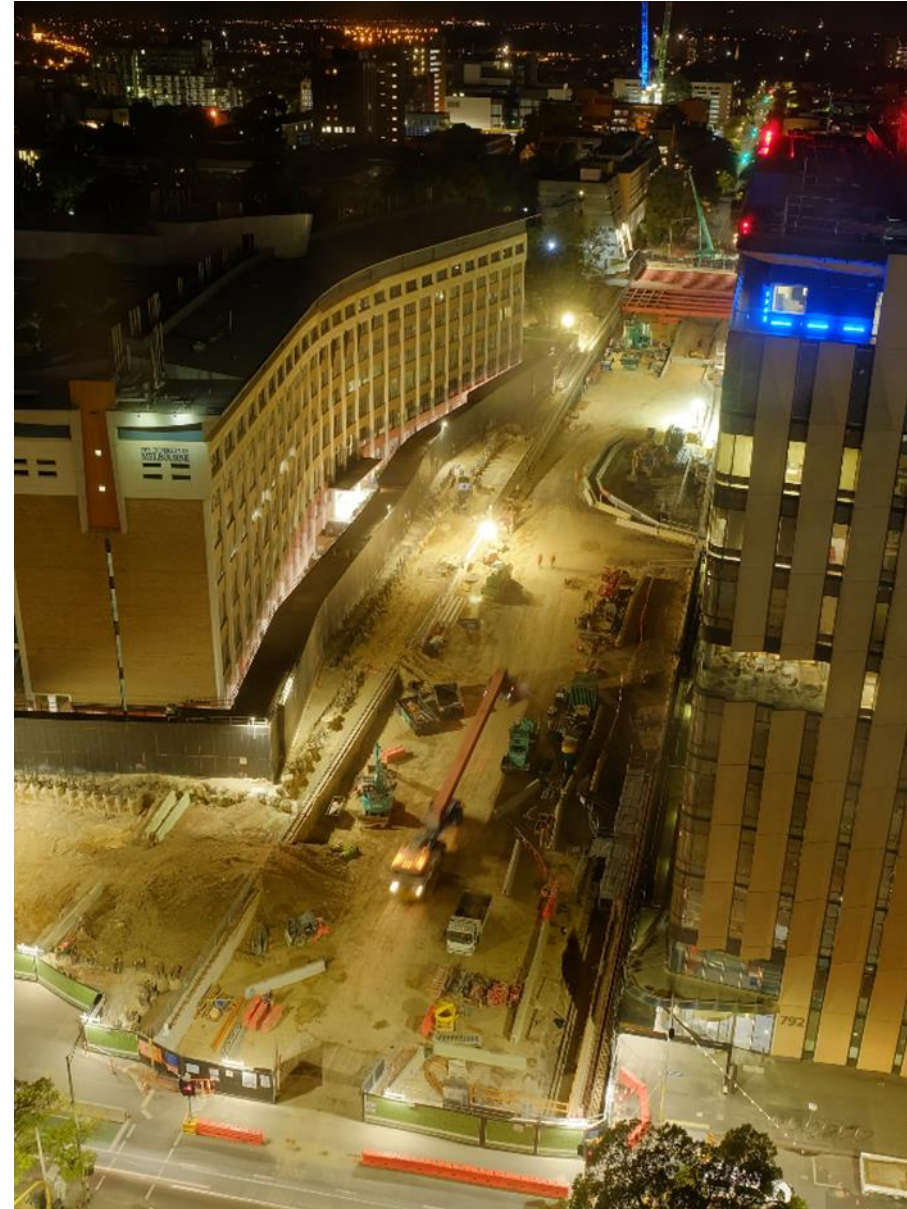
# WHAT'S HAPPENING AT GRATTAN ST EAST

- Capping beam – 96% completed
- Steel struts
  - Treatment to localised areas of the struts has commenced and is ongoing with struts progressively delivered back to site and installed
- Deck installation
  - Underway at the eastern end of site. Gate 10 access scheduled to reopen end March
  - Deck completed (Stage 1) - late April
- Excavation
  - Extended shift for excavation to 10pm commencing Monday 18 March
  - 24 hours electrical works to install lighting under the deck

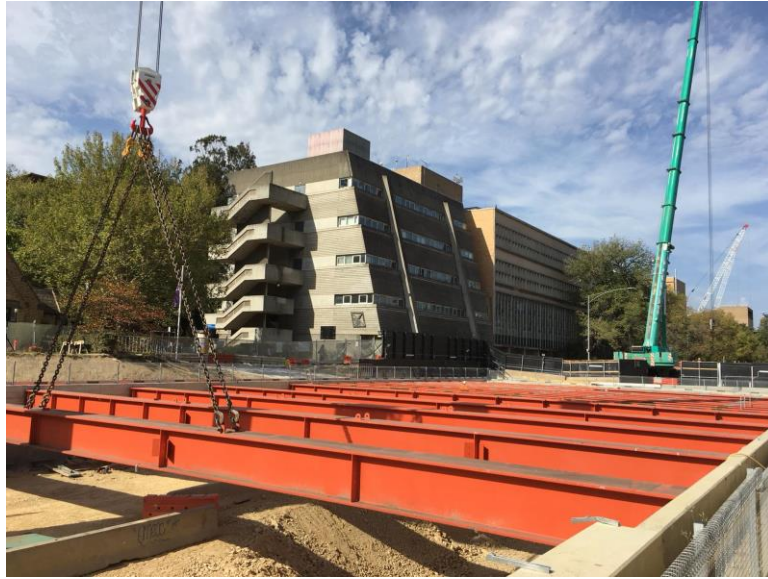


# WHAT'S HAPPENING AT GRATTAN ST EAST

- Deliveries of oversized support beams underway:
  - deliveries need to occur outside of normal construction hours due to VicRoads requirements for oversized deliveries
  - total 34 deliveries over eight nights with up to 4-5 deliveries per night
  - deliveries will occur between 11pm to 5am via Royal Parade
  - first two deliveries completed. Next scheduled deliveries March 18 & 20.



# BEAM AND DECK INSTALLATION





# WHAT'S HAPPENING AT GRATTAN ST EAST

- Gantry cranes
  - progressively delivered to City Ford site from 13 March until approximately May
  - 24 hour works required to prepare and commission the gantry cranes
  - works will be undertaken both at the City Ford site and at Grattan Street east site
  - middle gantry crane scheduled to be installed on site weekend 23 & 24 March
  - remaining gantry cranes will continue to be installed over the next six weeks.
- Royal Parade
  - additional drainage works on the east side of Royal Parade underway
  - Saturday 16 March partial closure of the southbound service lane on Royal Parade.

# WHAT'S HAPPENING AT GRATTAN ST WEST

## Early February

- Service locating – ongoing. Some night works required to complete the service locating on Grattan Street and Royal Parade. Scheduled from 8pm to 5am from Sunday 24 to Monday 25 March

## Late March to May

- Service proving involves identifying services located - saw cutting; NDD truck; backfill and reinstatement
- Staged lane closures on Grattan Street between Royal Parade and Flemington Road and Elizabeth Street / Royal Parade northbound service lane
- Construction Noise and Vibration Impact Assessment (CNVIA) – stakeholder engagement underway

## July 2019 – February 2020

- Service Relocations (including civil works and connection works)

## Mid 2020 – 2022

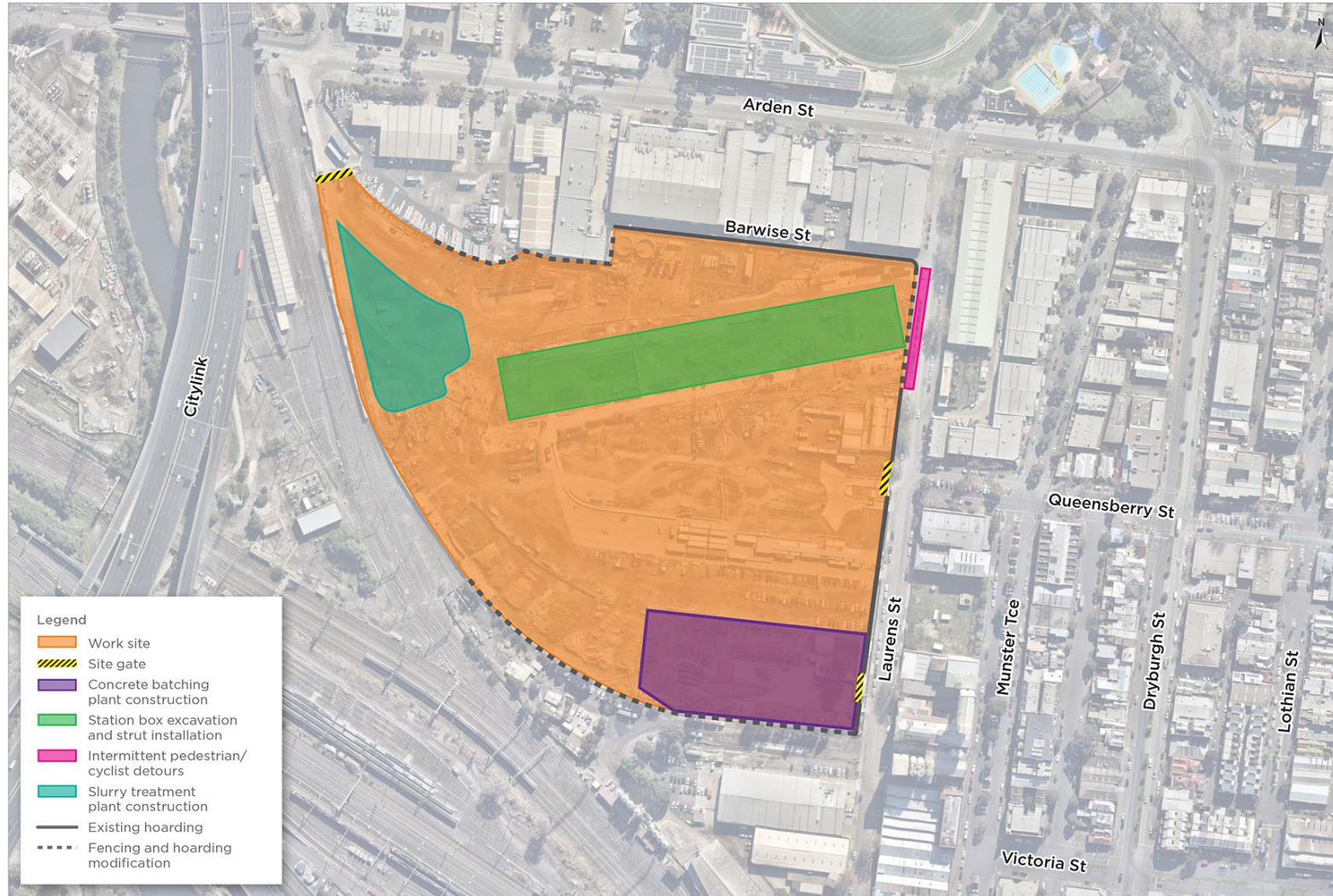
- Station entrance construction.

❖ Timing depending on relevant approvals for CNVIA and Traffic Management Plans.

# CONSTRUCTION UPDATE - ARDEN



# ARDEN



# CONSTRUCTION PROGRAM ARDEN

Activity	Mar	Apr	May	Jun	Jul	Aug
Site set up						
Concrete batch plant construction						
Slurry treatment plant construction						
Excavation of station box						
Base slab construction						
Hoarding/gate modification						
Concrete internal haulage roads						
TBM assembly						
Tunnelling towards Kensington						

Program is indicative and subject to change

# WHAT'S HAPPENING AT ARDEN

- Ongoing site establishment activities
- Delivery of slurry treatment plant and tunnel boring machine (TBM) parts to site
- Slurry treatment plant and concrete batching plant construction
- Station box excavation and installation of station box frame (steel struts)
- Concreting of internal haulage roads and installation/relocation of rumble grids
- Surveying, and sampling and testing of groundwater and soil
- Modifications to hoarding, fencing and gates
- Short-term lane closures on Laurens Street for utility connections
- Road cleaning on Arden and Laurens streets to minimise the spread of dirt on local roads.

# WHAT'S HAPPENING AT ARDEN

## Out of hours works

- 6pm – 10pm, Monday to Friday
  - Station box excavation, steel strut welding and installation inside the excavated station box
  - Over-size equipment deliveries to and from site and use of a crawler crane to unload deliveries
  - Base slab construction
- 10pm – 7am, Monday to Friday
  - Station box excavation, steel strut welding and installation inside the excavated station box
  - Over-size equipment deliveries to and from site and use of a crawler crane to unload deliveries
  - Road cleaning on Arden Street as required

After 6pm, all construction vehicles will enter and exit via Arden Street wherever possible.

# WHAT'S HAPPENING AT ARDEN





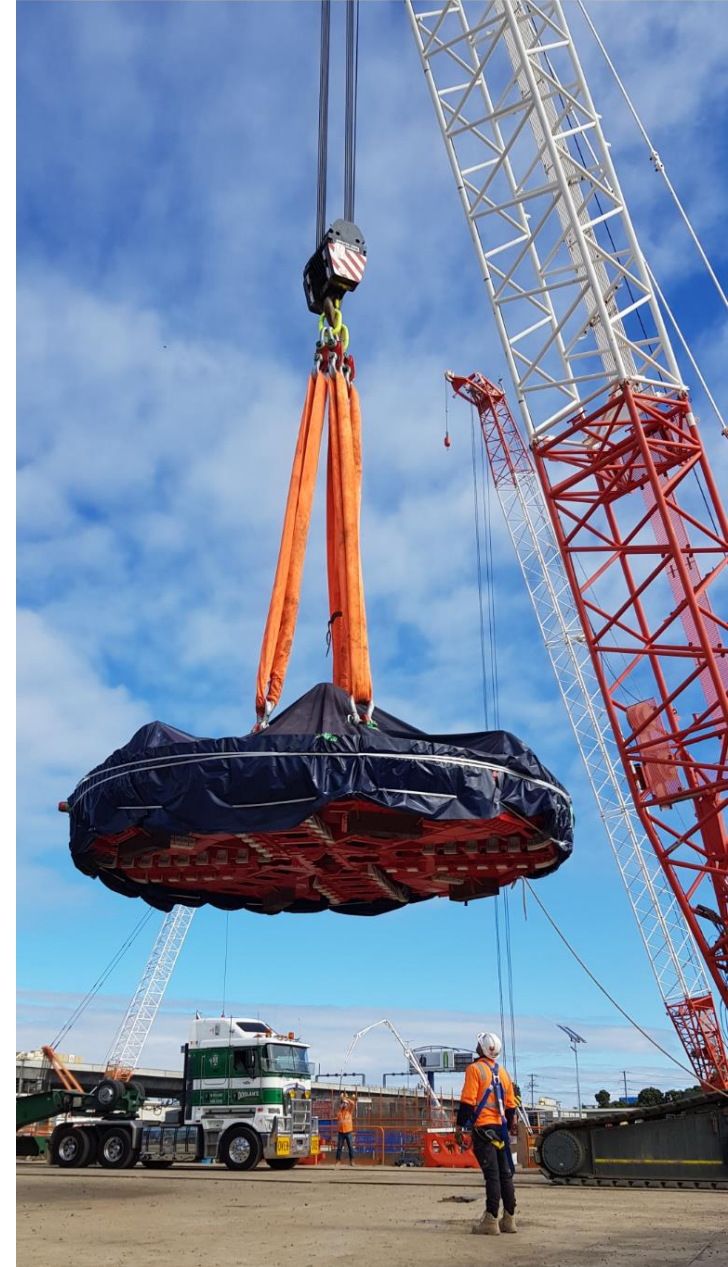
# WHAT'S HAPPENING AT ARDEN



# TUNNELLING



# TBM ARRIVAL



# TUNNELLING TIMELINE

Timing	Route
January 2019 – mid 2019	TBMs arrive Arden and assembled
3rd quarter – 4th quarter 2019	TBM 1&2 – Arden to Western Portal
4 <sup>th</sup> quarter 2019 – 1 <sup>st</sup> quarter 2020	TBM 1&2 - transported back to Arden
1st quarter 2020 – mid 2020	TBM 1&2 – Arden to Parkville

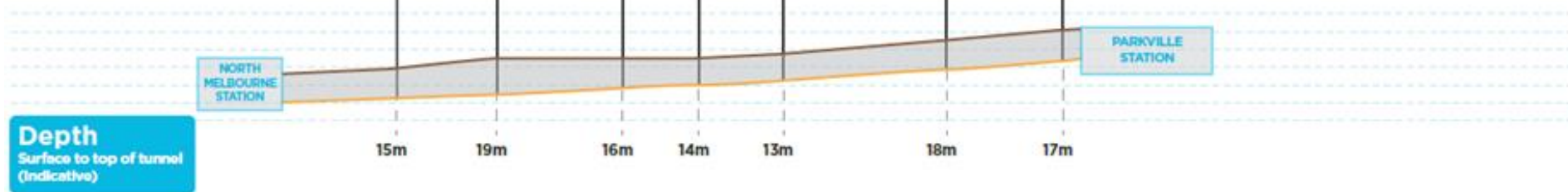
Timing is indicative and subject to change



# TUNNEL ALIGNMENT AND DEPTH



- TBM Joan path —
- TBM Meg path —
- Surface level —
- Top of tunnel —



# TUNNELLING COMMUNICATIONS & ENGAGEMENT

- Connecting with residents and businesses near tunnelling activities, and the broader community
  - Visits to residents and businesses
  - Delivering information directly to residents and businesses
  - Community meetings and events to meet the Project Team and ask questions
  - Find out more via the website [www.metrotunnel.vic.gov.au](http://www.metrotunnel.vic.gov.au)
  - Call the Project Team 24/7 on 1800 105 105
  - Visit the Project Team @ Metro Tunnel HQ, Swanston Street, Melbourne
  - Discussion at six weekly precinct Community Reference Group (CRG) meetings.

# ENVIRONMENT UPDATE



# ENVIRONMENT – CONSTRUCTION NOISE & VIBRATION

- Tunnel Boring Machine (TBM) ground borne noise and vibration assessment consultation - Q2 2019
- Operational noise and vibration assessment consultation – Q2 2019
- Property Condition Surveys will be undertaken approximately three months prior to TBM passing through.



# TRAFFIC AND TRANSPORT UPDATE



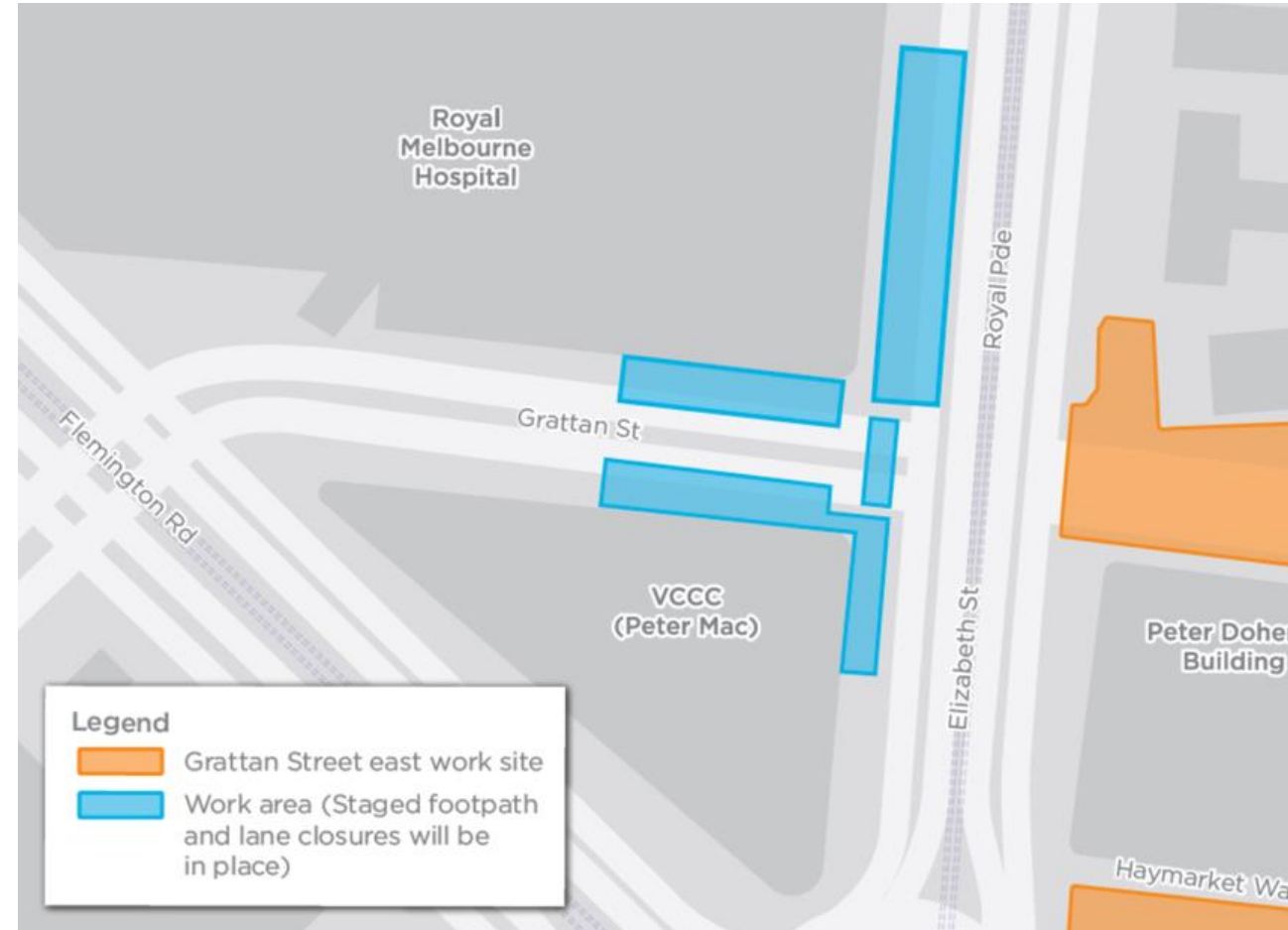
# PARKVILLE - GRATTAN ST WEST TRAFFIC MANAGEMENT

## Service locating and proving works

- February to March – service locating
- March to May – service proving
  - Localised staged lane closures on Grattan Street between Royal Parade and Flemington Road
  - Localised staged northbound service lane closure on Elizabeth Street / Royal Parade (from Haymarket Roundabout to north of RMH)
  - Works will be staged to minimise impacts
  - Motorists are advised to plan trips ahead of time.

## Service relocations

- Plans still under development.



# STAKEHOLDER & COMMUNITY ENGAGEMENT



# PARKVILLE

## Notifications and communications

- February/ March construction update issued
- April/ May construction update under development
- Localised notifications to update on timing issued to relevant stakeholders/ community

## Meetings and briefings

- Weekly meetings with University of Melbourne
- Fortnightly meetings with Peter MacCallum Cancer Centre and Melbourne Health
- Fortnightly meetings with City of Melbourne and affected businesses
- Six-weekly Parkville Precinct Reference Group meetings
- Six-weekly Parkville Community Reference Group meetings
- Quarterly Parkville Communications Working Group meetings & Parkville Creative Program Working Group.

## Top community issues

- Air Quality
- Noise
- Vibration impacts to sensitive equipment
- Traffic management and pedestrian and cyclist safety.

# ARDEN

## Notifications and communications

- TBM #2 arrival and assembly notification – 19 February
- March Construction Update – 7 March

## Door knocks, meetings, briefings and events

- City of Melbourne fortnightly progress meetings (6 February, 20 February)
- Media event – announcement of TBM names (12 February)
- Residential health check door knocks (14 February)
- Media event – announcement of TBM pilot traineeships (5 March)
- Health check door knocks – Laurens Street, Munster Terrace and Arden Street businesses (13 – 18 March)

## Top community issues

- Dust generated from construction works
- Contractor parking on local streets.

# QUESTIONS?



# NEXT MEETING

Friday 10th May, 2019

- Meeting to be held at Arden project site, Laurens Street, North Melbourne
- Full Personal Protective Equipment (PPE) required, including long sleeve shirt and long pants. All other PPE to be provided
- Further information to be provided.



Western Portal

North Melbourne

Parkville

South Kensington

West Melbourne

Melbourne Central

State Library

Parliament

Flagstaff

Town Hall

Southern Cross

Flinders Street

Richmond

Anzac

South Yarra

Eastern Portal

The existing 'North Melbourne' station will be renamed West Melbourne.

Sunbury Line

Cranbourne / Pakenham Line