



KENSINGTON COMMUNITY REFERENCE GROUP

MEETING 6

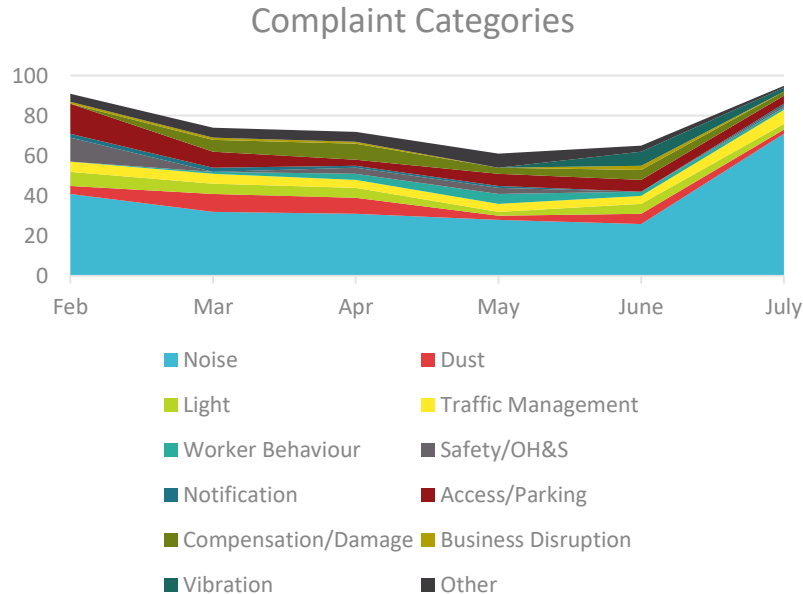
10 SEPTEMBER 2019



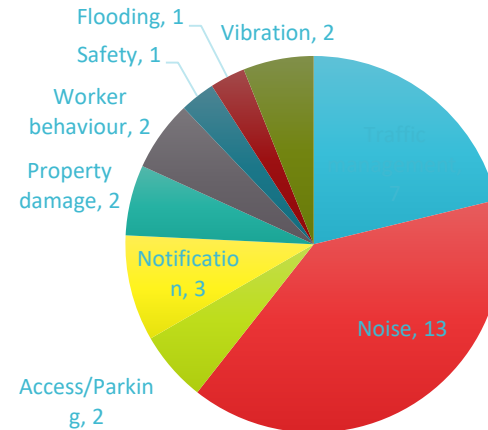
COMMUNITY UPDATE

DISCUSSION ITEMS

- Contact centre enquiries (last six months)

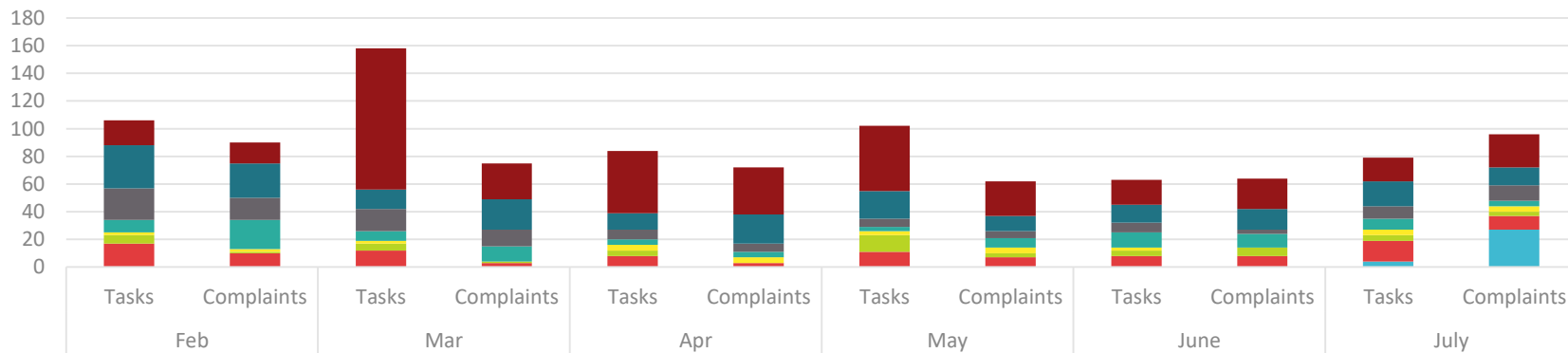


Kensington complaint categories



CONTACT CENTRE ENQUIRIES

Tasks and complaints by precinct



■ Western Portal to Sunbury ■ Western Portal ■ North Melbourne ■ Parkville ■ State Library ■ Town Hall ■ Anzac ■ Eastern Portal



COMMUNICATION AND ENGAGEMENT

Notifications and communications

- Kensington Monthly Construction Update (7 August; 3 September)
- Invitation to LSBE coffee morning (26 August)

Door knocks, meetings, briefings and events

- City of Melbourne fortnightly progress meetings (5, 7, 19 August; 2, 4 September)
- KCCC monthly progress meeting (21 August)
- Drop ins to businesses directly impacted by CP2 works (26 August)
- Lloyd Street Business Estate coffee morning (28 August)
- Lloyd Street Business Estate fortnightly progress meeting (30 August)
- Out of hours work health check with Ormond/Childers Street residents (w/c 9 September)
- One-on-one meetings with community members and businesses throughout June and July



COMMUNICATION AND ENGAGEMENT

Communications in place to support:

- Childers Street closure and changes to Tennyson Street
- D-wall works

Site visits this month

- Power Up Engineering
- Holy Rosary Primary School prep students



COMMUNITY ISSUES

Key issues raised during June and July

- Tennyson Street parking
 - Undertaking engagement with residents to understand the level of support for parking changes
 - Undertaking engagement with residents and business to understand the level of support for a long term closure of Childers Street.
- Out of hours works
 - Ongoing response to community enquiries
 - Respite and relocation, assisting residents on a case by case basis.

HOLY ROSARY PRIMARY SCHOOL SITE WALK





CHILDERS STREET

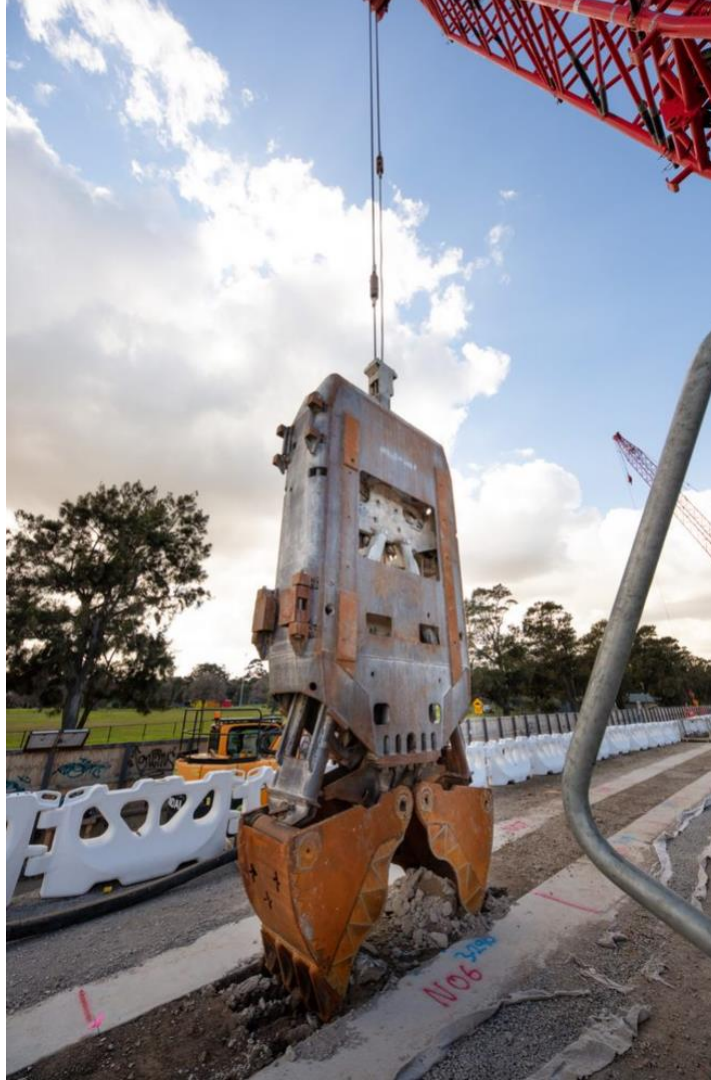
Feedback from Traffic Changes Proposal

- Support for delivery of the project and understanding of the site constraints
- Ensuring the detour is managed appropriately and safely
- Ensuring rat-running does not occur
- Reducing impacts to LSBE vehicle deliveries
- Addressing parking concerns on Tennyson Street

Next Steps

- Progressing with introducing parking changes to Tennyson Street
- Undertaking engagement on traffic calming measures
- Installation of over-height detection device
- Monitoring of traffic management and use of traffic controllers to ensure effective operation

SITE PHOTOS





WORKS UPDATE



WHAT'S BEEN COMPLETED

- TBM retrieval shaft pile capping beams
- Bentonite plant installation and commissioning
- Installation of first D-wall panel



LLOYD STREET GROUND IMPROVEMENT WORKS

TBM RETRIEVAL SHAFT CONSTRUCTION



CONSTRUCTION PROGRAM

Activity	Sept	Oct	Nov	Dec	Jan
Embankment stabilising and widening					
Diaphragm wall (D-wall) works					
Rail corridor works					
D-wall capping beam construction					
TBM retrieval shaft construction					
Cross passage ground improvement (CP2, CP3)					
Tunnelling - from North Melbourne towards Kensington					
HV tower foundation removal					
Tunnel entrance excavation & ground slab					

Program is indicative and subject to change

OUT OF HOURS WORK (OOHW) PROCEDURE

NV6

NV6

Airborne Construction Noise Guideline Targets (External)

1. Implement management actions if construction noise is predicted to or does exceed the Guideline Noise Levels at residential locations as specified in EPA Publication 1254.

Time Period	Applicable Hours	Guideline Noise Levels, L_{Aeq}	
		Up to 18 months after project commencement	18 months or more after project commencement
Normal Working Hours	7am to 6pm Monday to Friday 7am to 1pm Saturday	No specified Guideline Noise Levels are provided in EPA 1254 – Refer to EPR NV21 for the noise management levels (see note 1)	
Weekend / Evening work	6pm to 10pm Monday to Friday 1pm to 10pm Saturday 7am to 10pm Sunday and Public Holidays	Noise level at any residential premises not to exceed background noise by 10 dB(A) or more.	Noise level at any residential premises not to exceed background noise (L_{A90}) by 5 dB(A) or more.
Night	10pm to 7am Monday to Sunday	Noise is to be inaudible within a habitable room of any residential premises.	

Note

(1) During Normal Working Hours, the CNVMP must address noise levels that exceed the Management Levels specified in Table EPR NV21A.

OUT OF HOURS WORK (OOHW) PROCEDURE

- All works undertaken outside of normal working hours – subject to OOHW procedure (Construction Noise and Vibration Management Plan)
- All activities modelled and approved through a permit process
- All OOHW audited by Independent Environmental Auditor quarterly

MITIGATION MEASURES

Strutting

- Noise curtains around generators
- Pre-assembly of struts offsite
- Hand tightening strut bolts and tightening during normal working hours
- Using soft slings over chains, where practicable
- Where practicable, delivery of struts is to occur during normal construction hours

Excavation

- Where practicable, limit the use of the turning bay. Only one truck permitted to be on site at once. All other trucks to be staged on Hobsons Road away from sensitive receivers
- Radios to be used by operators and drivers in place of horns
- Operators to not fully extend excavator boom to prevent bucket hitting stopper (banging of metal against metal)
- No dropping of material from height into back of trucks

Shotcreting

- Acoustic curtains to be installed around compressor and concrete pump, where safe practicable
- Location of concrete pump to be as far away from sensitive receivers as practicably possible



TBM RETRIEVAL SHAFT CONSTRUCTION

- Approximately 7.5 metres excavated to date
- Each layer of excavation involves:
 1. Using excavators and trucks to excavate material from the TBM retrieval shaft
 2. Using excavator-mounted jackhammers to break back sections of tension piles
 3. Spraying concrete (shotcrete) to line the walls of the shaft
 4. Installing steel supports (struts) to provide the structural frame. Struts to be removed as excavation progresses
- Once the bottom of the shaft has been reached, a concrete base slab will be constructed
 - Three pours in total. First pour anticipated late-September/early-October



TBM RETRIEVAL SHAFT CONSTRUCTION

Out of hours works

- Required to ensure the shaft is ready for the arrival of the first TBM
- Two stages:
 - Evening works (Monday to Friday until 7pm): from 6 – 20 August
 - 24 hour works (Monday to Friday): from 20 August – end of September
 - 7am – 3pm, Saturdays during the above periods
- In-home respite options or temporary relocation offered to impacted residents or those with special circumstances
 - One relocation offer taken up to date
- Offer for directly impacted residents to meet with project team at any stage during works

ENVIRONMENTAL MONITORING RESULTS – NIGHT PERIOD

Strutting

(20 - 24 August)

Address	Modelled (dBa)	Measured (dBa)
133 Ormond Street	58	50-57
129 Ormond Street	57	50-53
125 Ormond Street	56	49-53

ENVIRONMENTAL MONITORING RESULTS – NIGHT PERIOD

Excavation

(27 - 29 August)

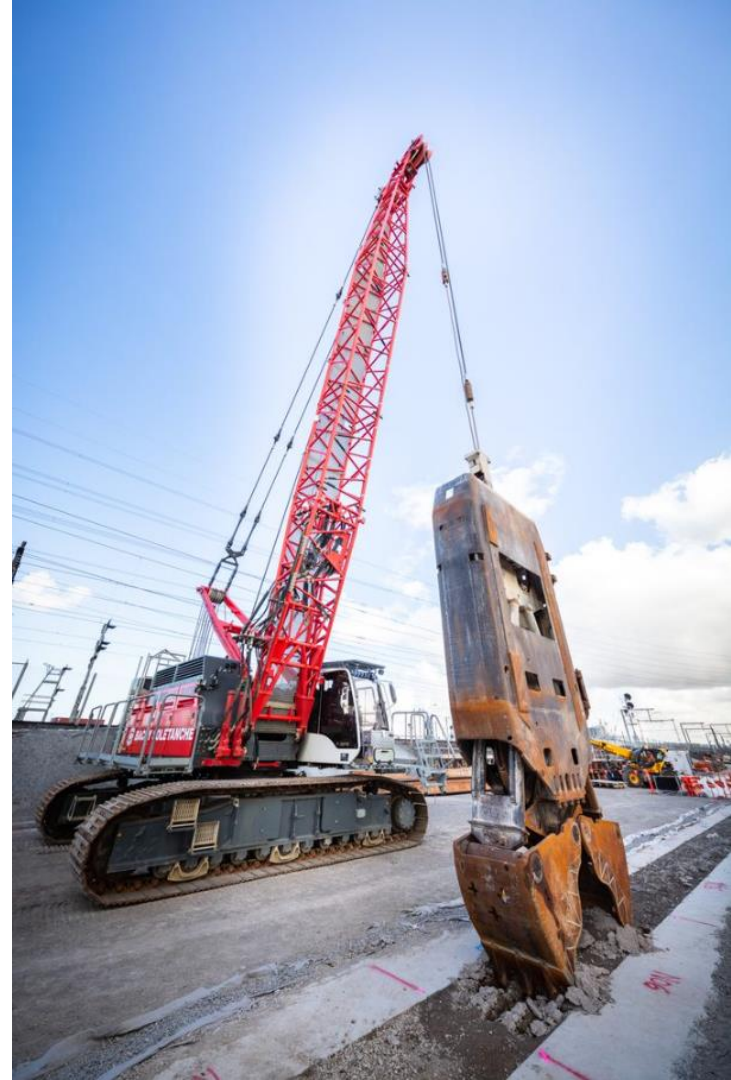
Address	Modelled (dBa)	Measured (dBa)
133 Ormond Street	56	52-58*
129 Ormond Street	56	50-54
125 Ormond Street	56	50-53

* Installation of scaffolding

D-WALLS

- First D-wall panel installed on 5 September
- 7am to 11pm work hours commenced 9 September. Ongoing until late 2019
- Next steps involve installation of capping beams: (day works)

D-wall break back of d-walls, installation of steel, welding/tying, install formwork, pour concrete



SPRING BLITZ

Timing

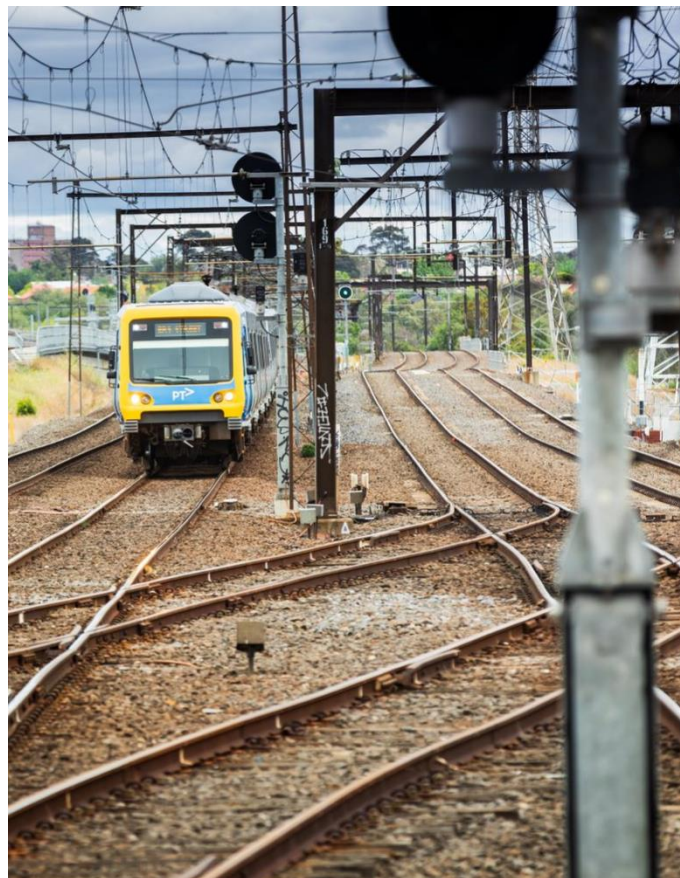
Sunday 29 September to Friday 11 October

- 24/7 works
- There will be buses replacing trains during this time
- Out of hours works along the rail corridor throughout September

Unprecedented works along the Sunbury corridor

In Kensington:

- Overhead wiring – Relocation of 650m of copper
- Track – 2 turnouts and a diamond crossing and 630m of new track
- Formation – 1,000m³ of new fill / capping material and 4,050t of new ballast
- 650m of new drainage
- CSR – 1.5km of CSR works (signaling pipes and cables)
- Signalling relocations
- D-wall construction



TRAFFIC MANAGEMENT IN KENSINGTON

Traffic

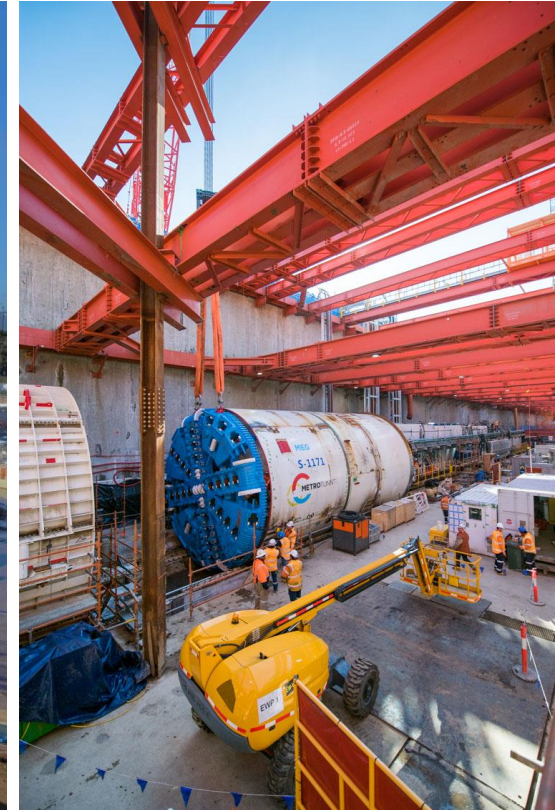
- Closure of Childers Street to commence week of 9 September
- Hobsons Road Car park closure from Monday 23 September to Friday 18 October
- Hobsons Road lane closure and on-street parking closure from Friday 4 October to Monday 7 October
- Footpath and cycling lane closures on Hobsons Road



TBM JOAN



TBM ASSEMBLY – TBM MEG



TUNNELLING - TIMELINE

Indicative timing	Activity
Q1 2019 – Q3 2019	TBM 1 & 2 arrive at North Melbourne and assembled
Q3 2019 – Q4 2019	TBM 1 & 2 tunnelling North Melbourne to Western Portal
Q1 2020	TBM 1 & 2 retrieved and transported back to North Melbourne
Q1 2020 – Q4 2020	TBM 1 & 2 tunnelling North Melbourne to Parkville

Program is indicative and subject to change



PROPERTY CONDITION SURVEYS

- 80% of surveys offered (North Melbourne to Kensington) now completed
- Minimum of three (3) offers made to each property owner *post, email, phone, doorknock, contact via property manager



PLANNING AND DESIGN



PLANNING & DESIGN UPDATE

- Design update event to be held early October
- Community Pop-ups in early October
- All CRG members invited to attend the workshop



OTHER ITEMS?



Western Portal

South Kensington

North Melbourne

Parkville

State Library

Town Hall

Anzac

Eastern Portal

West Melbourne

Melbourne Central

Flagstaff

Southern Cross

Flinders Street

Parliament

Richmond

South Yarra

Sunbury Line

Cranbourne / Pakenham Line

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