

Item 5.2 - Traffic - 27/7/18

N O R T H S Y D N E Y C O U N C I L



To the General Manager

Attach: Nil

SUBJECT: (5.2) Sydney Metro City & South-West – Construction Update

AUTHOR: Report of Manager Traffic & Transport Operations, Michaela Kemp

DESCRIPTION/SUBJECT MATTER:

Consent for the Metro City & South-West (Metro) project was granted by the Department of Planning and Environment on 9 January 2017. The consent can be viewed in full at www.majorprojects.planning.nsw.gov.au.

The project will deliver new railway infrastructure for Sydney, including two new Metro stations within the North Sydney Local Government Area - at Crows Nest and Victoria Cross (North Sydney Centre). Construction commenced in early 2017, with train operations expected to be underway by 2024.

In accordance with the various conditions of consent, a Traffic and Transport Liaison Group (TTLG) has been established to inform traffic and transport measures during construction and operation of the project. The TTLG is chaired by the Sydney Coordination Office (SCO) and comprises representatives from the relevant Road Authorities, which includes North Sydney Council. The TTLG meets monthly and a smaller group of representatives known as the Traffic Control Group (TCG) meets weekly to discuss impending construction-related traffic management matters.

The Construction Traffic Management Plans (CTMPs) must be developed in consultation with the TTLG. The RMS is the approval authority for the CTMPs, following endorsement by the SCO.

Demolition works are being undertaken by Delta Group. Tunnelling and Station Excavation (TSE) works will be undertaken by John Holland/ CPB/ Ghella Joint Venture (JHCPBG).

The purpose of this report is to update the North Sydney Traffic Committee on the current status of the project and upcoming works affecting local roads.

Updates are also provided on the Sydney Metro website at <https://www.sydneymetro.info/>

RECOMMENDATION:

1. THAT the information concerning Sydney Metro City & South-West Construction Update be received.

DETAIL

Relates to ECM No: N/A.

Standard or Guideline Used: AS1742.3; RMS Traffic Control at Work Sites Manual.

Signs & Lines Priority: N/A.

Precinct and Ward: Various, Various.

Impact on Bicycles: Bicycle access will be maintained and managed as outlined in CTMPs.

Impact on Pedestrians: Pedestrian access will be maintained and managed as outlined in CTMPs.

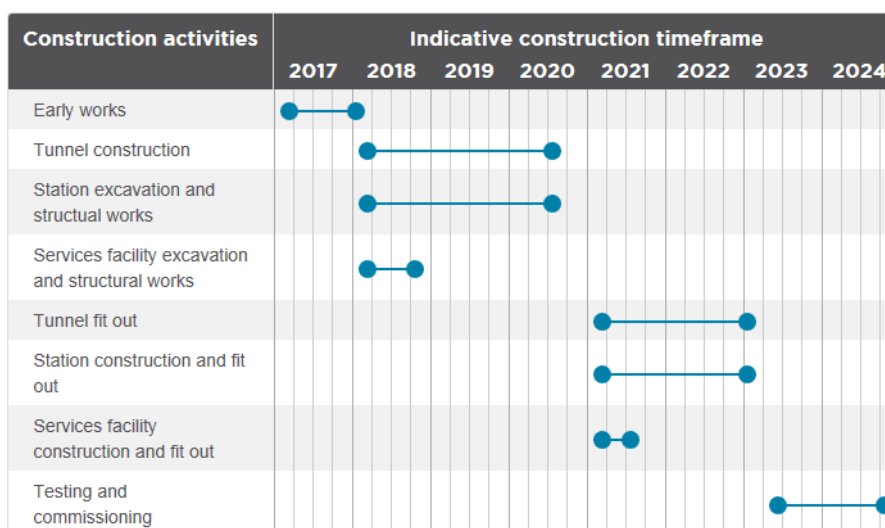
Impact on Parking: Impacts as outlined in the report.

There are four (4) construction sites within the North Sydney LGA associated with the Metro project.

1. **Victoria Cross Station (VC2)** – includes 155-189 Miller Street bounded by Miller Street, Berry Street and Denison Street.
2. **Victoria Cross North (VC1)** –site for the services building and additional access point at 52 McLaren Street (vacant site on northern corner of Miller Street and McLaren Street intersection).
3. **Crows Nest Station (CN)** – includes 497-521 Pacific Highway bounded by Pacific Highway, Oxley Street, Clarke Lane and Hume Street; 14 Clarke Street (Beaurepaires site); and 477-495 Pacific Highway bounded by Pacific Highway, Hume Street and Clarke Lane.
4. **Blues Point Reserve (BP)** – Temporary construction site, including creation of a shaft for the delivery and extraction of tunnel boring equipment.

The City & Southwest (Chatswood to Sydenham) project has been split into stages. Each stage is subject to separate contracts and may be undertaken by different contractors. An indicative timeline for the full City & Southwest portion is provided below.

Indicative timeline



Source: Sydney Metro website 26/5/17

The key activities are summarised below.

Victoria Cross Station VC2 – TSE CTMP (JHCPBG)

- Site Establishment for tunneling and station excavation (TSE) Works include:
 - Contamination and heritage investigation works
 - Driveway modifications
 - Internal site set up
 - Internal utilities and civil works
 - Acoustic shed installation
 - Noise wall construction
 - Piling works
- Stormwater works required along Miller Street footpath.
- Main access will be via Denison Street until stormwater works and driveway modifications on Miller Street are complete (approx. 2 months). This will be mostly light trucks.
- Estimated truck movements are on average 17 per day
- Pedestrian management will be in place at the site entry/ exit points, and during driveway modification works, and acoustic shed installation. Pedestrian diversions and footpath closures on Miller Street will only be undertaken on weekends or at night
- B-Class hoardings erected around site on Miller Street and Berry Street.
- No on-street Work Zones proposed during site establishment stage. All construction vehicles will be loaded/unloaded wholly within the site. Parking adjacent to driveway on Miller Street will need to be removed for the duration to allow maneuvering space for trucks.

Victoria Cross North VC1 – TSE CTMP (JHCBPG)

- Site Establishment Works include:
 - Contamination and heritage investigation works
 - Driveway modifications
 - Internal site set up
 - Internal utilities and civil works
 - Acoustic shed installation
 - Noise wall construction
 - Piling works
- Estimated truck movements during site establishment average 36 per day.
- Pedestrian management will be in place at the site entry/ exit points, and during driveway modification works, and acoustic shed installation.
- Site operations will commence from July 2018 to June 2020 with heavy vehicle access and egress via the driveway in McLaren Street.
- Estimated truck movements during site operations average 80 trucks per day.

Crows Nest Station – TSE CTMP (JHCBPG)

- Demolition works are complete
- TSE Site Establishment Works include:
 - Piling
 - Driveway construction
 - Internal site set up including office facilities
 - Earthworks
- Site access is via Clarke Lane
- Estimated truck movements during site establishment average 21 per day.

- Hume Street between Clarke Lane and Pacific Highway is planned to be partially reopened one-way westbound for general traffic and eastbound opened for construction vehicle access only during site operations phase from 11 August 2018 until March 2020.
- A section of Clarke Lane, to the rear of 14 Clarke Street (the Beau repairs site) will also be closed. This will remain closed during TSE (tunnels and station excavation works). The section of Clarke Lane between 20 Clarke Street and Oxley Street will be converted to two-way traffic so that residents and businesses along Clarke Lane can access their buildings.
- These closures are to allow for excavation of the new station and station entrance areas underneath Hume street and Clarke Lane.
- Estimated truck movements during site operations phase is average of 84 trucks per day.

Update on sites within North Sydney Council area

Site establishment works are nearing completion across each site. CTMPs for the tunneling and excavation stages, including haulage of spoil will be submitted for review by Council's Traffic Engineers over the coming weeks.

Victoria Cross South

Works for the installation of the acoustic shed have commenced in preparation for tunneling and station excavation from July 2018.

Victoria Cross North

Piling works and acoustic shed works being completed and site being established in preparation for haulage of excavation spoil from July 2018.

Crows Nest Station

From mid-August 2018, Hume Street will be partially re-opened with two lanes providing westbound access to the Pacific Highway. Hume Street will remain closed eastbound for the remainder of the TSE works at this location.

Blues Point

Site investigations are continuing within Henry Lawson Reserve and for barging operations. Site fencing is scheduled to be erected around the reserve from mid-2018 with investigation work continuing throughout 2018. It is expected that the acoustic shed will be installed in early 2019.