

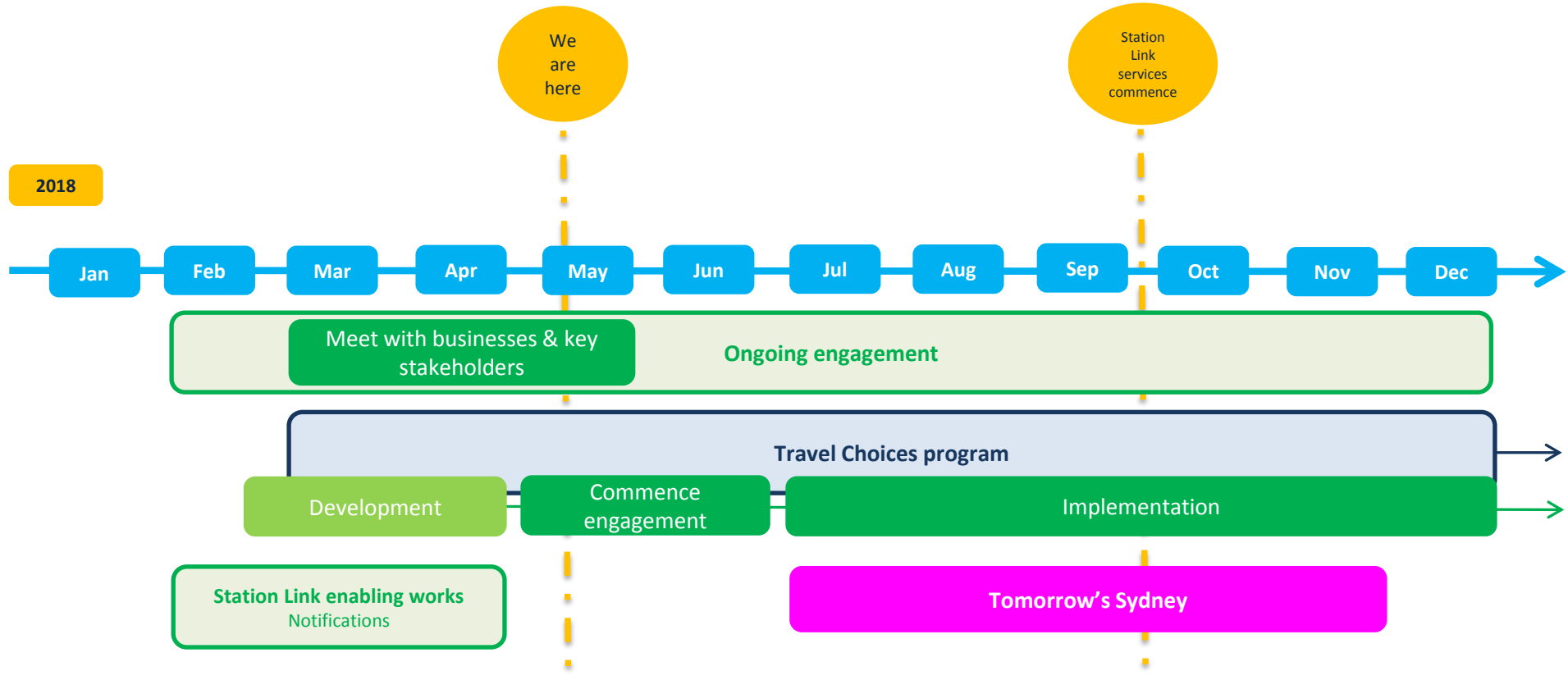
# Station Link<sup>TM</sup>



**Macquarie Park Forum**

May 2018

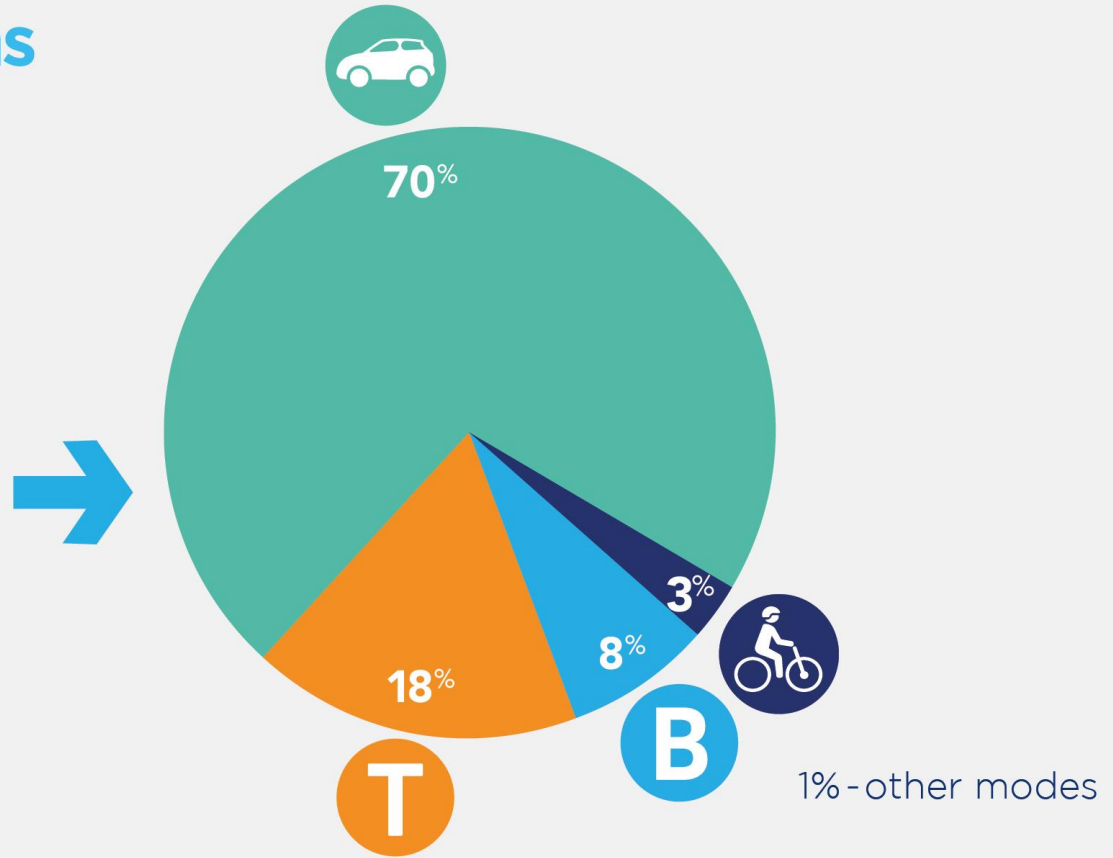
# Communications and Engagement Program



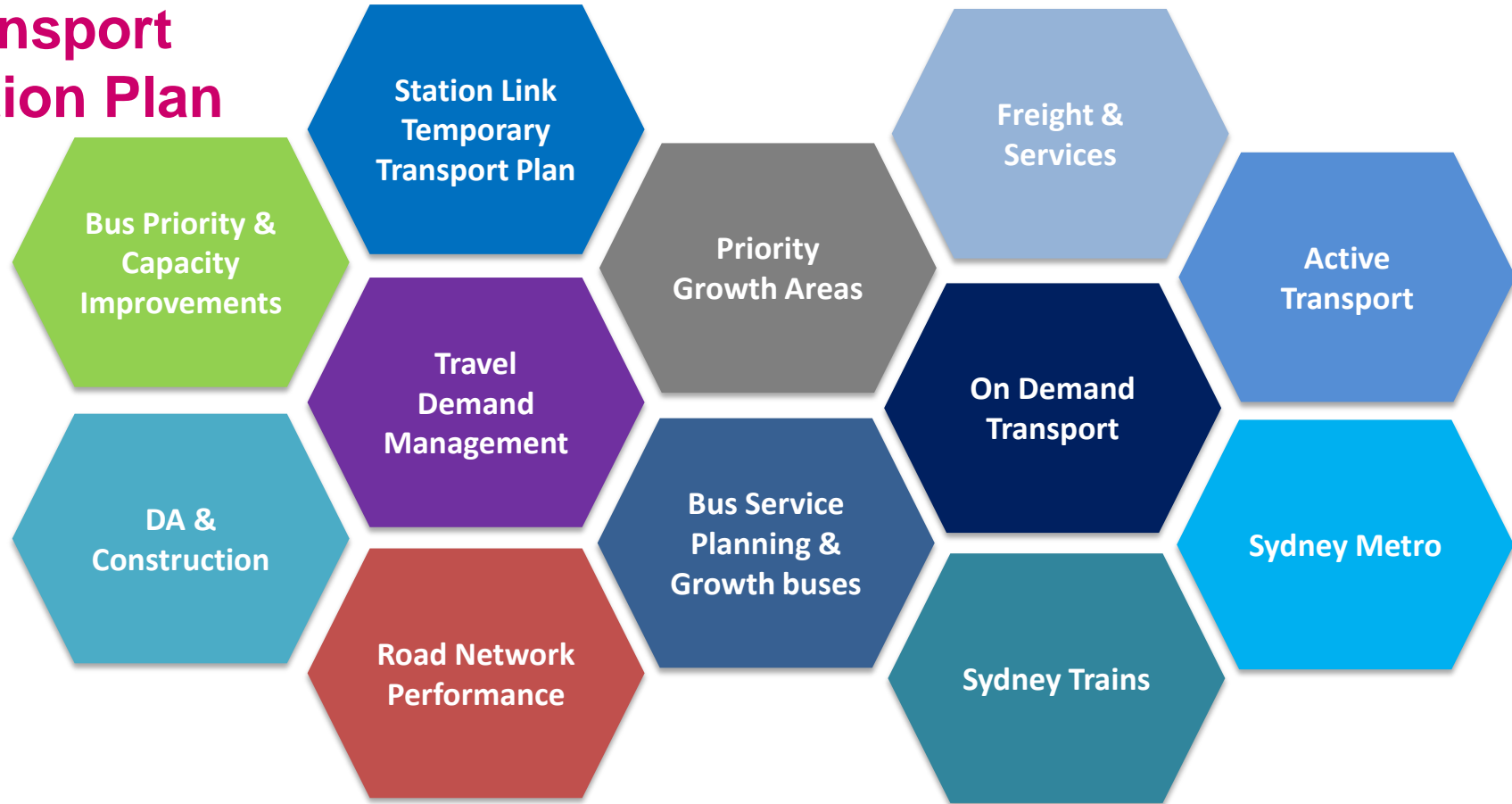
# Data analysis informs our approach

**55k**

travel to Macquarie Park  
each day for work.  
(2016 Census data:  
Journey to Work)



# Transport Action Plan



# Macquarie Park Transport Action Plan

## MANAGE AND MONITOR THE NETWORK

- Intersections and road network
- Identify alternative travel routes
- Review signal phasing
- Review kerbside use on travel routes
- Cumulative impact assessment of construction traffic

## WORK WITH STAKEHOLDERS

- Identify Active transport opportunities (CoR)
- Implement Kerbside use changes (CoR)
- Develop Land Use and Infrastructure Strategy (DPE)
- Understand freight and servicing needs to service local businesses
- Deliver Travel Demand Management
- Communicate Temporary Transport Plan

## DELIVER INFRASTRUCTURE

- Macquarie Park Bus Priority and Capacity Improvements (RMS)
- Epping Road Upgrade (RMS)
- Sydney Metro North West
- Sydney Metro City and South West
- Delhi Road Upgrade (Landcom)

## DELIVER SERVICES

- Growth Bus Services
- Rail services (Sydney Trains)
- On Demand Transport services
- Station Link services
- Metro services every 4 minutes in 2019

# Sydney Metro

## Stage 1: Sydney Metro Northwest

- \$8.3 billion project opens first half of 2019
- Every four minutes in the peak
- Eight new metro stations and five upgraded stations

## Stage 2: Sydney Metro City & Southwest

- 30 km extension from Chatswood to Bankstown via new CBD stations
- Opening 2024 with six new metro stations, new underground platform at Central and eleven upgraded stations.



# Epping to Chatswood railway upgrade

## For new metro operations

- Around seven months closure to carry out works
- Removal and separation of rail signalling and power supplies
- Installation of platform screen doors, air control units and new lighting
- New rail operations including:
  - automatic train operation and protection
  - installation of more than 230 security cameras in the tunnels.



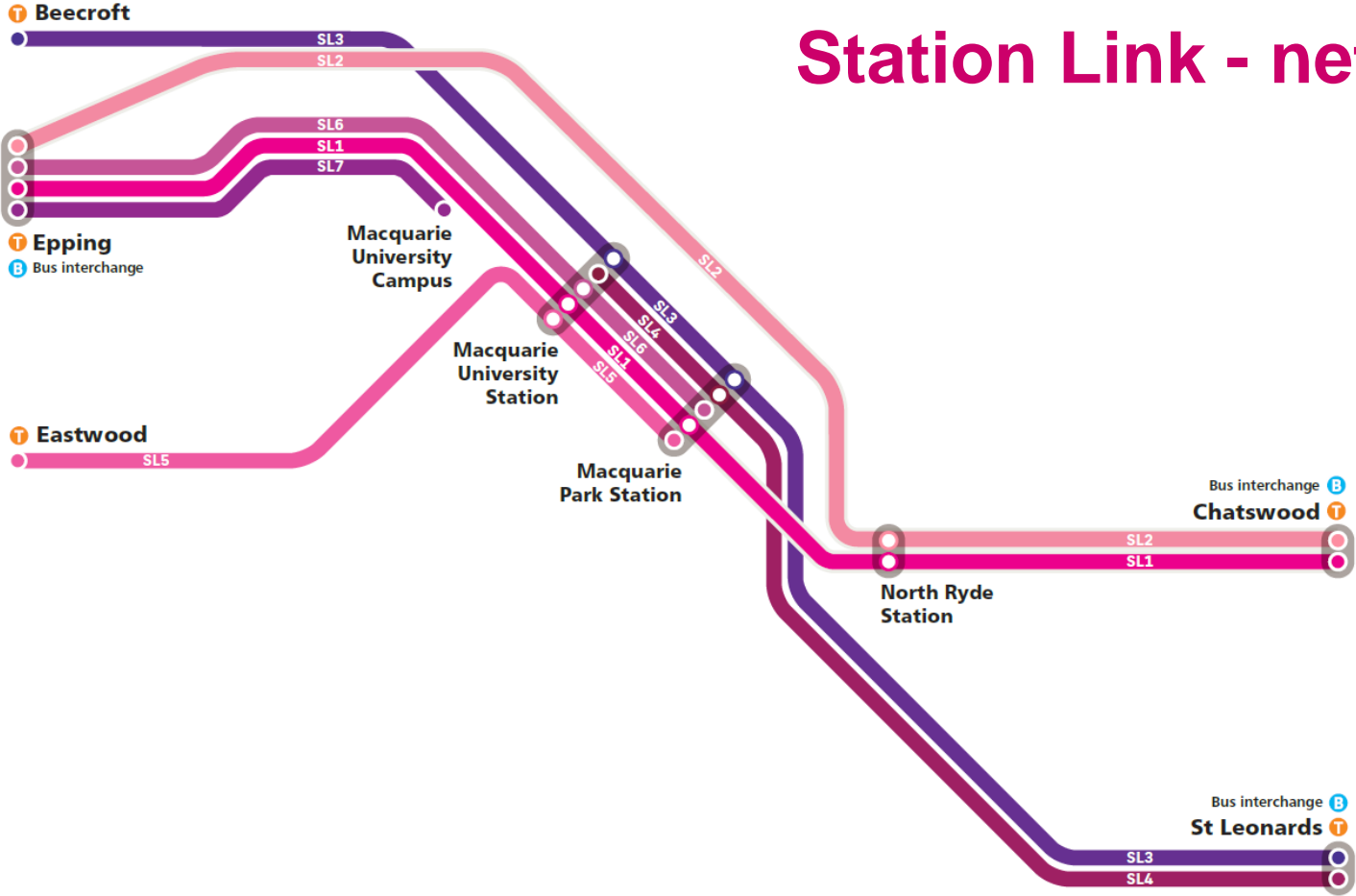
# About Station Link

- From 30 September for around seven months
- High frequency, turn up and go bus services along seven additional routes
- Services at least every six minutes during the peak between Epping and Chatswood stations
- More than 120 new, Opal enabled, fully accessible, air-conditioned buses
- Audio-visual screens with next stop information and hearing loops
- Standard train fare applies with 30% off-peak discount on full price Opal fares
- Bus stops designed in accordance with Disability Standards for Accessible Public Transport (2002) requirements. Features include Tactile Guidance Surface Indicators (TGSi) and dedicated wheelchair space.





# Station Link - network



# Station Link - bus frequency

**SL1** *Epping to Chatswood*

**Monday to Friday** both directions  
**4.30am to 6am:** every 10 minutes  
**6am to 9pm:** every 6 minutes  
**9pm to 12.30am:** every 10 minutes

**Saturday and Sunday** both directions  
**5am to 10am:** every 10 minutes  
**10am to 7pm:** every 5 minutes  
**7pm to 12.30am:** every 10 minutes

## SL2 to SL7 run only on **Monday to Friday**

**SL2** *Epping to Chatswood*  
via Motorway

**To Chatswood**  
**6am to 10am:** at least every 6 minutes

**To Epping**  
**3pm to 7pm:** at least every 6 minutes

**SL3** *Beecroft to St Leonards*  
via Macquarie University and  
Macquarie Park

**To St Leonards**  
**6am to 10am:** every 6 minutes

**To Beecroft**  
**3pm to 7pm:** every 6 minutes

**SL4** *St Leonards to  
Macquarie University*  
via Macquarie Park

**To St Leonards**  
**6am to 10am:** at least every 20 minutes  
**3pm to 7pm:** at least every 4 minutes

**To Macquarie University**  
**6am to 10am:** at least every 4 minutes  
**3pm to 7pm:** at least every 15 minutes

**SL5** *Eastwood to Macquarie Park*  
via Macquarie University

**To Macquarie Park**  
**6am to 10am:** every 6 minutes

**To Eastwood**  
**3pm to 7pm:** every 6 minutes

**SL6** *Epping to Macquarie Park*  
via Macquarie University

**To Macquarie Park**  
**6am to 10am:** every 12 minutes

**To Epping**  
**3pm to 7pm:** every 10 minutes

**SL7** *Epping to  
Macquarie University Campus*

**To Macquarie University Campus**  
**7am to 3pm:** every 10 minutes

**To Epping**  
**10am to 7pm:** every 10 minutes

# Station Link bus stops



# Station Link announcement

- Media release 7 April 2018
- Internal briefings/communications
- MySydney and Transport.info websites updated, and include:
  - Flyer
  - Network map and frequency
  - FAQs
  - Animation video
- Email notification to stakeholders and business
- Social media post from NSW Public Transport Facebook and TfNSW LinkedIn

**FAQs**

**Will my journey time increase during the upgrade?**

Bus reliability is dependent on stopping patterns and the time it takes to board the service and alight. Journey times, depending on the replacement bus line, time of day and other factors, will increase for some routes.

Station Link services will operate on a turn-up-and-go basis, with at least one every 10 minutes between Epping and Chatswood. These services will be provided in the peak periods with a bus at least every 10 minutes.

You will also be able to play your card and request a trip using an existing pattern using the new app and the MySydney and Transport.info websites from 30 September 2018. To view these website updates, visit [mysydney.nsw.gov.au](http://mysydney.nsw.gov.au)

**Will there be increased traffic congestion during the upgrade?**

The Macquarie Park project and surrounding road network currently experiences traffic congestion, particularly during peak periods. We are working closely with the community, transport and local government to help address congestion and will implement targeted demand management aimed at reducing vehicle numbers in the peak.

Transport for NSW and Souths ActiveMiles Services is also providing additional bus priority and capacity improvements, and reducing parking to improve bus service reliability during the upgrade. The Transport Management Centre will continue to proactively manage the network to optimise the flow of traffic during the temporary disruption.

**How much will be charged travelling on one of the new bus services?**

You will need a valid Opal card to travel on Station Link services. You will be charged a standard fare for the length of the journey, a 10 per cent off-peak discount on full price Opal fares will apply to journeys on Chatswood services that depart about off-peak times, or Opal users.

**What is Station Link?**

Station Link is a 24/7 bus service to more than 100 new, fully accessible, on-demand bus priority, thousands of extra bus lanes from 30 September 2018. High frequency Station Link services will keep customers moving while the old bus services Epping and Chatswood to upgrade to in six months, ending Sydney Metro opening in 2019.

**Key features of Station Link include:**

- 1 High frequency, turn-up-and-go services to stations between Epping and Chatswood at least every 10 minutes during the peak.
- 2 More than 100 new bus lanes in the bus-park of the city.
- 3 A dedicated high-frequency service to Transport User Only Complex from Epping Station.
- 4 A bus service running at least every 10 minutes 24/7 on a peak-to-peak basis between Epping to Chatswood.

Station Link bus services will be available on the 110 platform at Macquarie Park and at real-time app.

A range of road and intersection upgrades, including bus priority measures, will be completed in the introduction of Station Link to improve public transport reliability.

**Why is the Epping to Chatswood line being upgraded?**

The Epping to Chatswood line needs to be converted to Metro standards ahead of Sydney Metro Northwest which opens to customers in the first half of 2019. Customers will get a train every four minutes in the peak in each direction – that's 15 an hour, almost four times as many as now (in the peak direction).

To upgrade the existing suburban railway to metro standards, major work needs to be done – including new signalling and communications systems, electrical and fire and life safety systems.

In the existing railway tunnels between Epping and Chatswood, the tunnelling process includes testing of new signalling systems, testing of the new metro trains in the existing tunnels and testing the upgraded tunnels and infrastructure as part of the new 36km Sydney Metro system.

The existing railway tracks and overhead wiring will remain and will be used by the new metro system, which is the same standard gauge railway as the rest of Sydney's train network.

**What happens to train services while the upgrade takes place and how long will the upgrade take?**

During this time, a new high frequency Station Link bus service will operate between Epping and Chatswood to replace train services while the line is upgraded. The Epping to Chatswood line upgrade is expected to take around 6-7 months from 30 September 2018.



**Where can I get more information?**

For more information about Station Link, visit [mysydney.nsw.gov.au](http://mysydney.nsw.gov.au)

More information will be made available closer to the launch of Station Link.

If you would like to register to receive regular updates about Station Link during the upgrade, please email [StationLink@transport.nsw.gov.au](mailto:StationLink@transport.nsw.gov.au)

Find out more at [mysydney.nsw.gov.au](http://mysydney.nsw.gov.au)

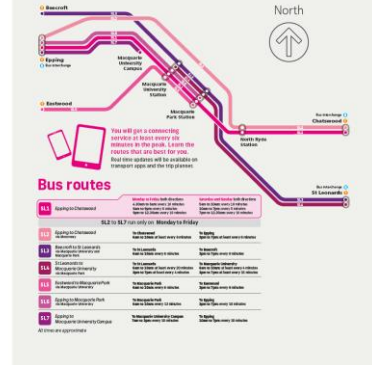
NSW

**Flyer**

**Station Link**

**Epping to Chatswood**  
From 30 September 2018

NSW



**FAQ**

**Upgrade of the Epping to Chatswood line - Station Link bus services**

NSW

**What is Sydney Metro?**

Stage 1, Sydney Metro Northwest, is the first fully automated metro rail system in Australia. The line will operate from Cudgong Road, in Sydney's North West, to Chatswood via Macquarie Park and is scheduled for completion in the first half of 2019. Stage 2, Sydney Metro City and Southwest, is due for completion in 2024 and is proposed to extend the metro line to Bankstown via the Sydney CBD and Sydenham.

**How will Sydney Metro differ from the existing rail line?**

Sydney Metro will operate as a 'turn up & go' service, with trains running every four minutes during peak hours – 15 trains per hour. Platform screen doors along the full length of the station platforms will improve passenger safety and allow fully automated (driverless) trains to arrive and depart stations with greater efficiency.

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# Station Link announcement - engagement

- **Businesses and residents**
  - 1:1 briefings – 25 meetings to date
  - Three information sessions held to date
  - Approx. 30,000 brochures with invitation to join mailing list distributed to businesses and residents in Epping, Chatswood, Eastwood, Beecroft, St Leonards, Macquarie Park / North Ryde Precinct.



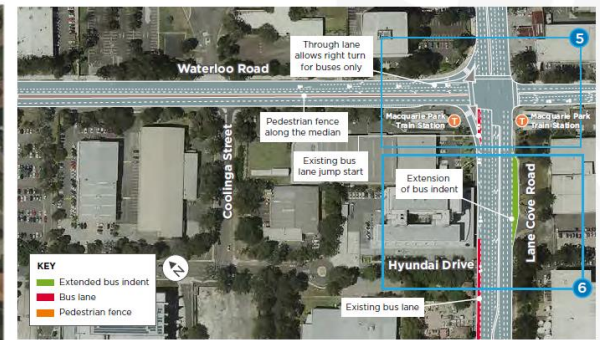
# Bus Priority and Capacity Improvement Program Stage 1



- Intersection at Waterloo Road and Herring Road



- Intersection at Herring Road and Epping Road



- Intersection at Waterloo Road and Lane Cove Road
- Intersection at Lane Cove and Epping Road

*\*Stage 1 to be completed before Station Link services commence*

# Additional road upgrades

## Delhi Road widening

- Construction underway - scheduled completion August 2018 prior to commencement of Station Link services
- Construction of helix pedestrian bridge scheduled to start late 2018

## Epping Road widening

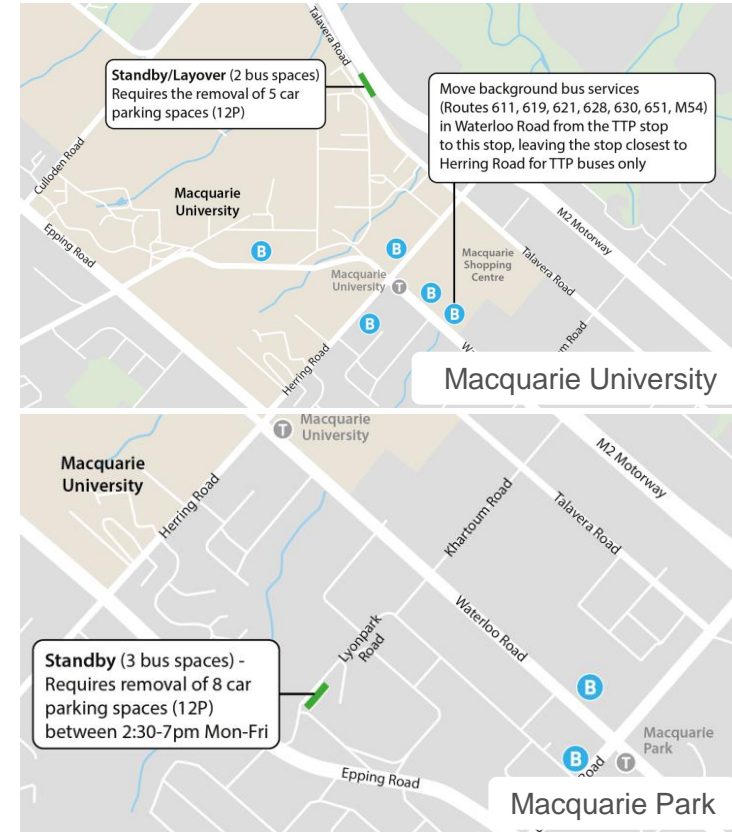
- Westbound between Blaxland Road and Essex Street
- Construction underway - scheduled completion mid 2018
- Right turn bus priority movement from Langston Place into Epping Road will be implemented to support Station Link buses





# Temporary parking changes

- Temporary parking changes will be introduced to enable the operations of Station Link buses
- Changes will be in place from late 2018 before Station Link bus services commence
- Temporary bus stops will be installed at:
  - Talavera Road
  - Lyon Park Road
  - Ethel Street
  - Pembroke Street
  - Essex Street
  - Langston Place
  - Oxford Street



# Adjustments to the train network

- Adjustments to the existing train network to accommodate the upgrade between Epping and Chatswood
- Hornsby and Cheltenham services to the CBD will operate via Strathfield on the T1 Northern Line
  - Customers will maintain direct access to Town Hall, Wynyard and North Shore destinations throughout the day, except during peak times
  - During the peak, customers catch T1 Northern Line services via Strathfield and change trains at Central
  - Customers will have turn up and go services at Central Station on platforms 16 and 17 to continue journey to the City Circle and/or North Shore, with around 40 trains operating per hour.



# On Demand Services – Macquarie Park

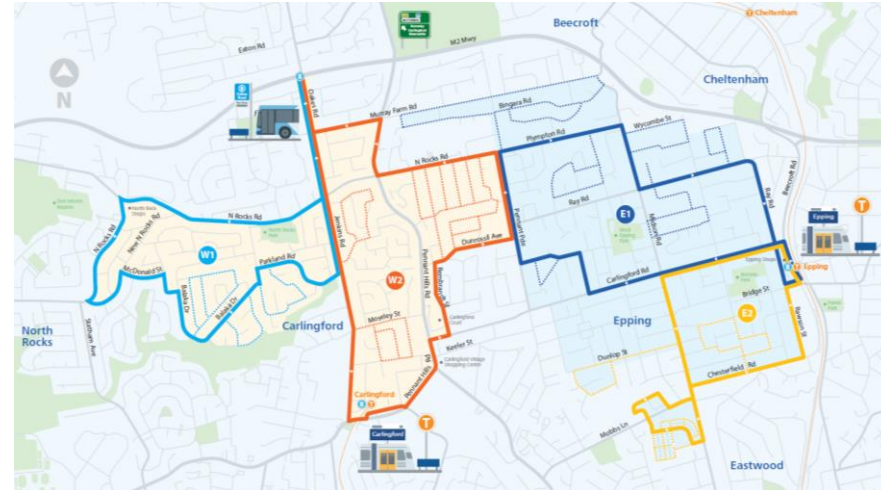
- Transport for people who live and work within 7.5km of the Macquarie Park precinct
- Nearly 200 trips successfully delivered in the first week
- Services can be booked via App, keoride.com.au or by calling 1800 536 7433
- Services operate between:
  - 6am -10am, and 3pm -7pm
- A one-way trip will cost:
  - \$2.60 for less than 3km
  - \$4.30 for 3-8km
  - \$5.60 for more than 8km



# On Demand Services - Carlingford and North Rocks

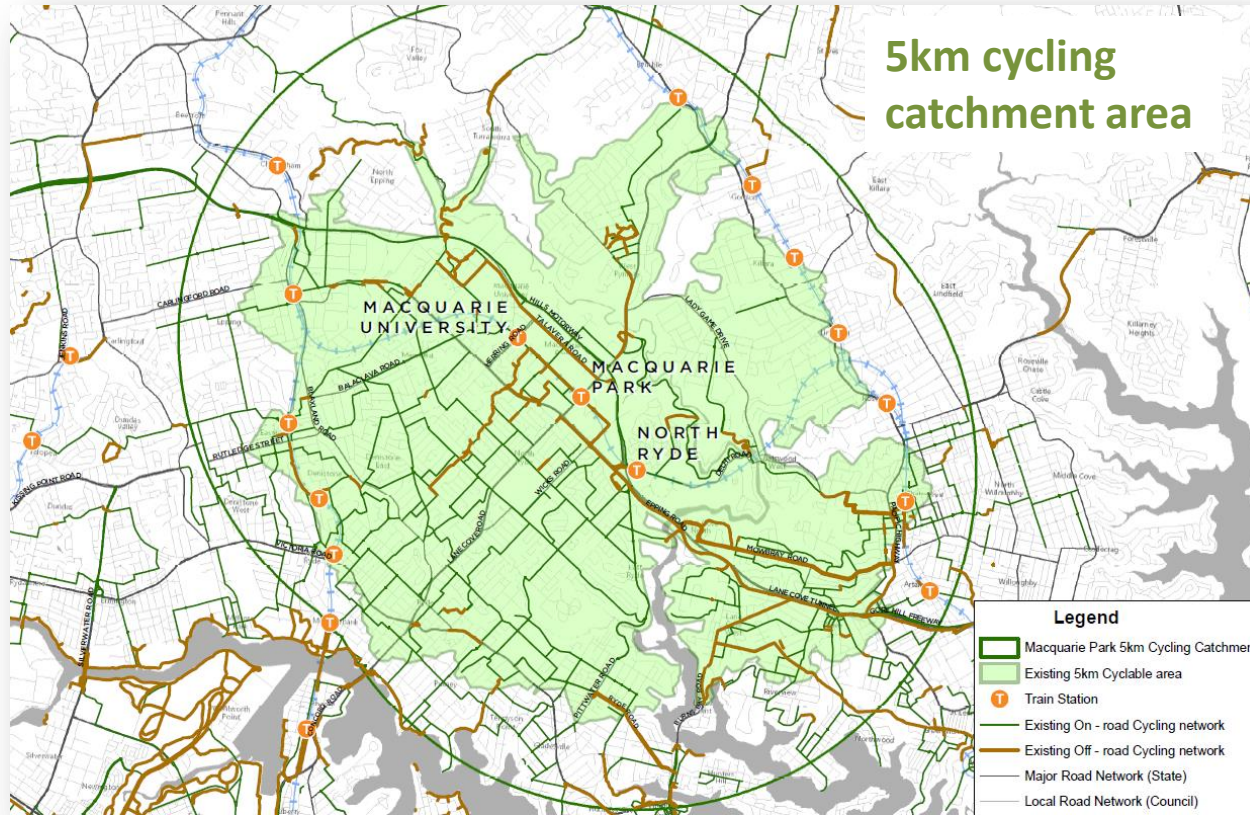
- Services runs across North Rocks, Carlingford, Beecroft and Epping to provide connections with Nearby transport hubs like Carlingford and Epping trains stations
- Services booked via the OurBus App or by calling (02) 8889 7050
- Services will operate via:
  - **W1:** North Rocks and Carlingford for connections with M2 Oakes Rd bus station
  - **W2:** Carlingford will connection with Carlingford train station
  - **E1:** Carlingford, Beecroft and Epping will connection with Epping train station
  - **E2:** Epping will connect with Epping train station

Nearly 432 trips delivered between February and March



- Services operate between 5:30am - 9am, and 5pm - 8pm
- \$5 for a one way trip

# Active Transport: Cycling



# Active network management

- Reviewing and monitoring signal phasing
- Analysing traffic count data
- Understanding pedestrian demand and travel behaviour
- Understanding different movements along the network for all modes
- Identifying any underutilised green times on certain legs of the intersection.

