



# Transport

Ecotransit Sydney  
Mathew Hounsell  
Co-convenor

# "There's nothing as convenient as not owning a car."

- ▶ Bremen - 500,000
  - ▶ 10,000 car-share users in Bremen
  - ▶ 60 stations,
  - ▶ 14 special [mobil.punkt](#) stations
    - ▶ integrate car-share parking and bike racks with transit stops.
  - ▶ The car-sharing service is provided by three private operators.
- ▶ Buy the Bremer Karte plus AutoCard, which allows you to ride city trams and buses and use the car-share system.



# Electric Chassis







# Self Driving Cars



# Self Driving Buses









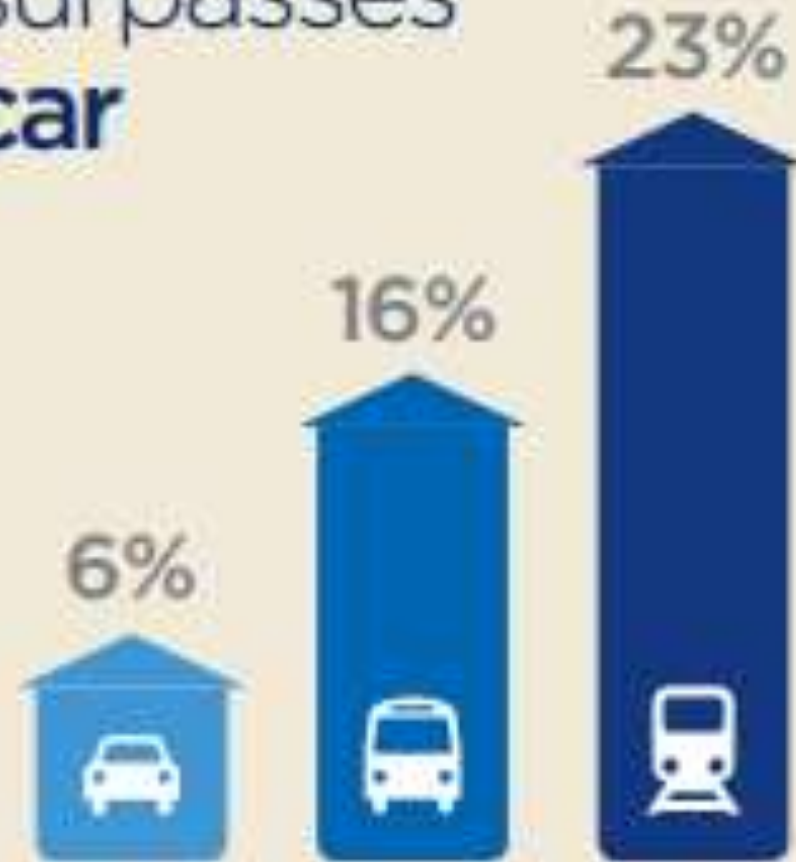
# Robotic Garbage Collection





In the last decade...

GROWTH IN  
**bus & train**  
travel  
surpasses  
**car**



Ecotransit Sydney

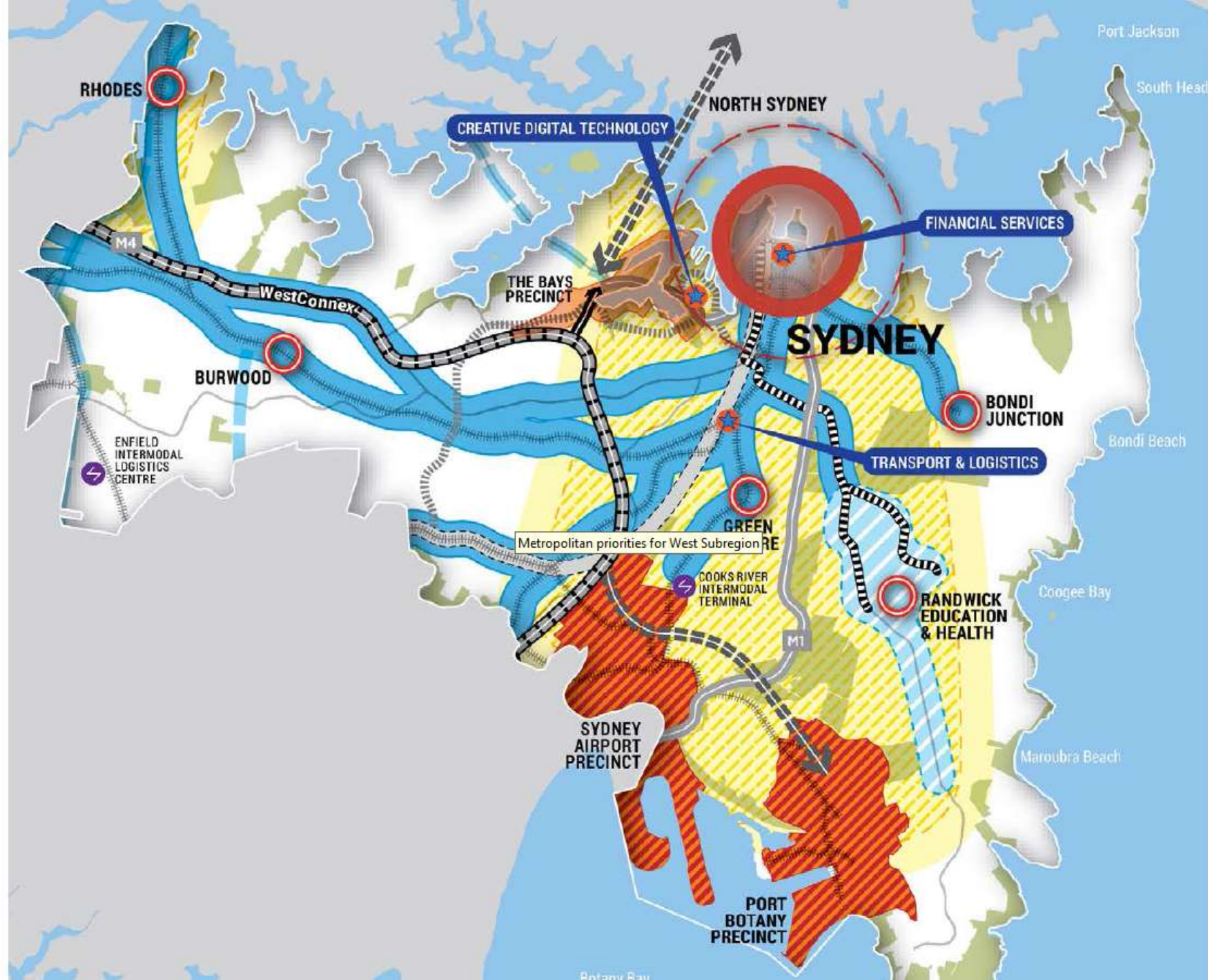
Mathew Hounsell

Co-convenor

# The Plan For Growing Sydney













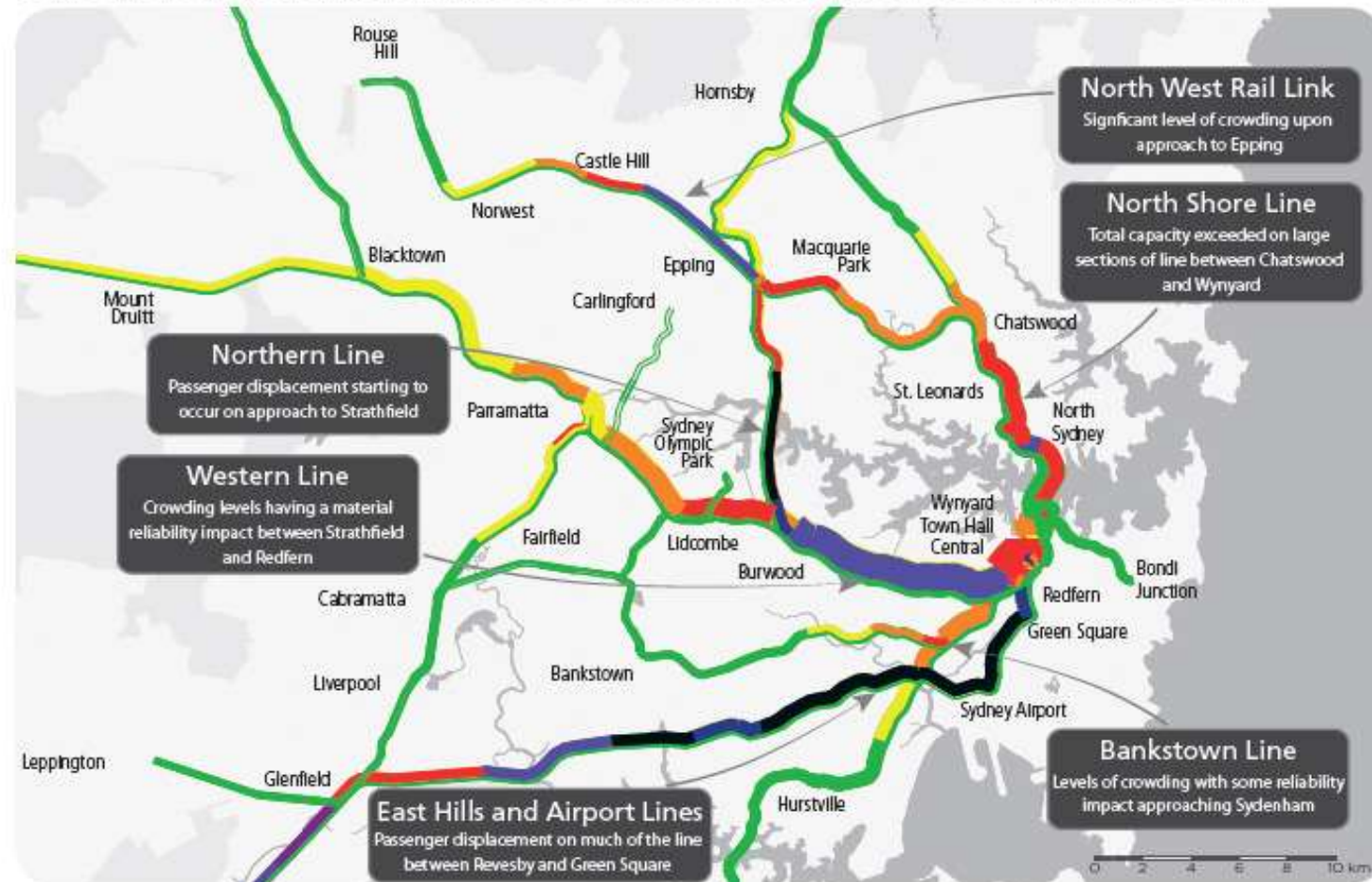
# Expectations

## Extra Persons per Precinct:

- ▶ Parramatta Road corridor - 80,000;
- ▶ Bays Precinct - 36,000;
- ▶ Waterloo - 40,000;
- ▶ Green Square - 50,000;
- ▶ Mascot - 20,000+
- ▶ Olympic Park - 20,000+
- ▶ Parramatta - 20,000+
- ▶ Granville - ?

# Heavy Rail





#### Crowding Level

Very Low
Low
Moderate
High
Very High
Passenger displacement

#### Description of crowding for double deck trains

Passengers are mostly seated
Seated capacity is reached and people start to stand
Standing space approaching full for reliable running
Crowding with some reliability impact
Crowding starting to have material reliability impact
Additional passengers are unable to board the train

Note: The above passenger crowding levels are based on total capacity (including both seated and standing passengers). This is a more generally accepted measure internationally rather than expressing capacity on the basis of seating alone.

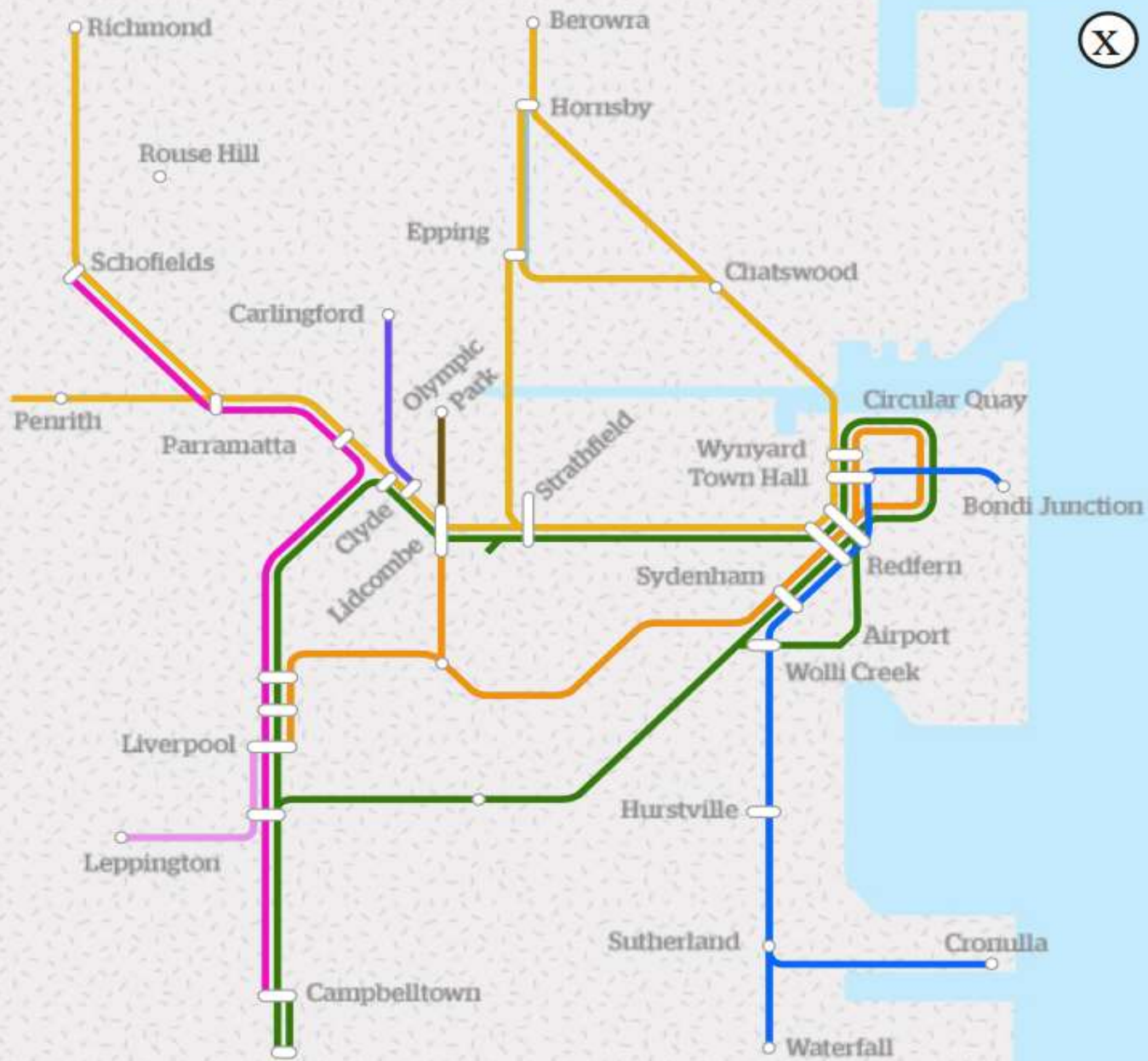
# Sydney's rail future

Possible changes



## THE CURRENT RAIL SYSTEM

- T1** North Shore, Northern and Western lines
- T2** Airport, Inner West and South line
- T3** Bankstown line
- T4** Eastern Suburbs and Illawarra line
- T5** Cumberland line
- T6** Carlingford line
- T7** Olympic Park line
- SW** South-West Rail link













INTERACTIVE

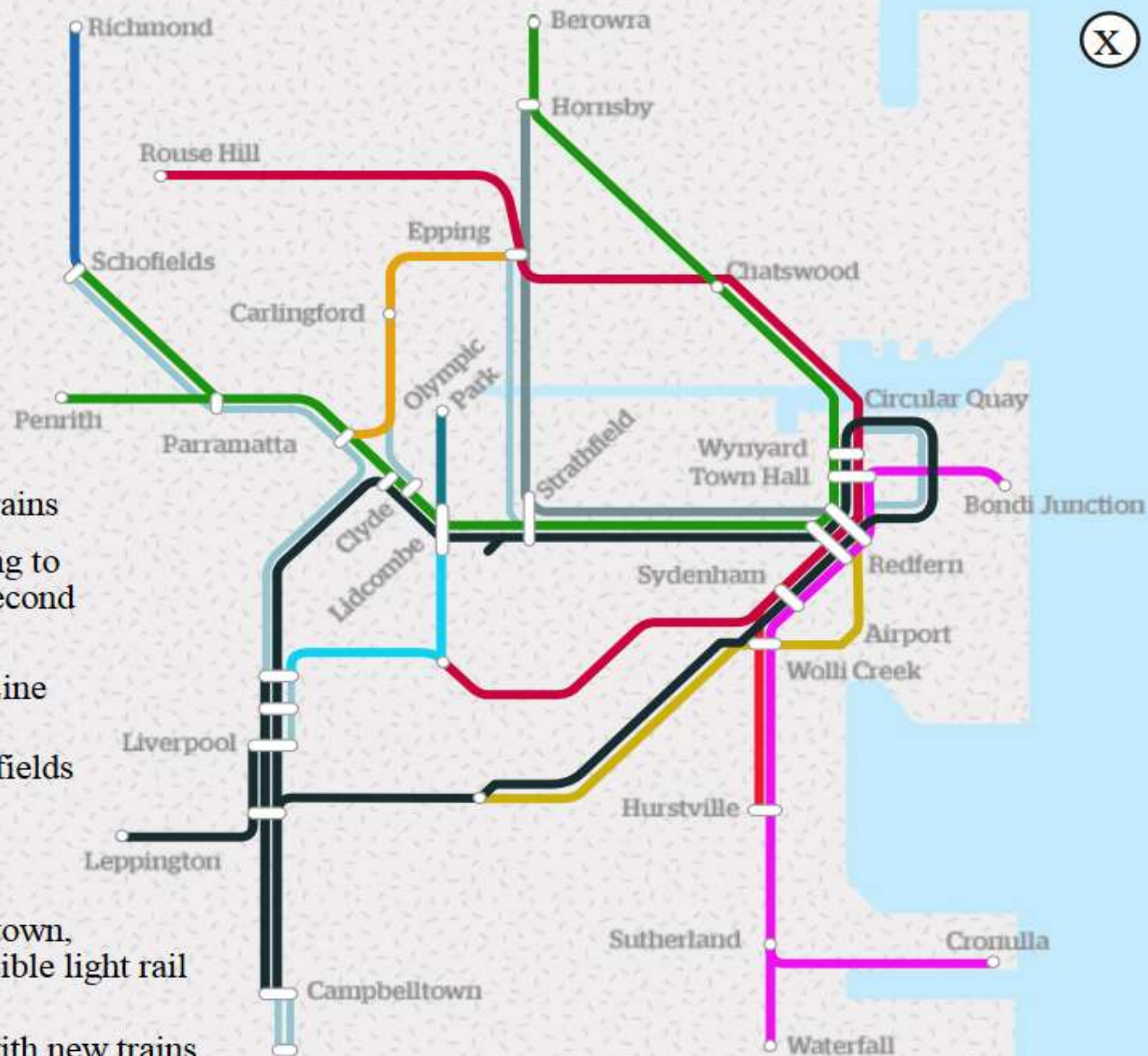




# Sydney's rail future

## Possible changes

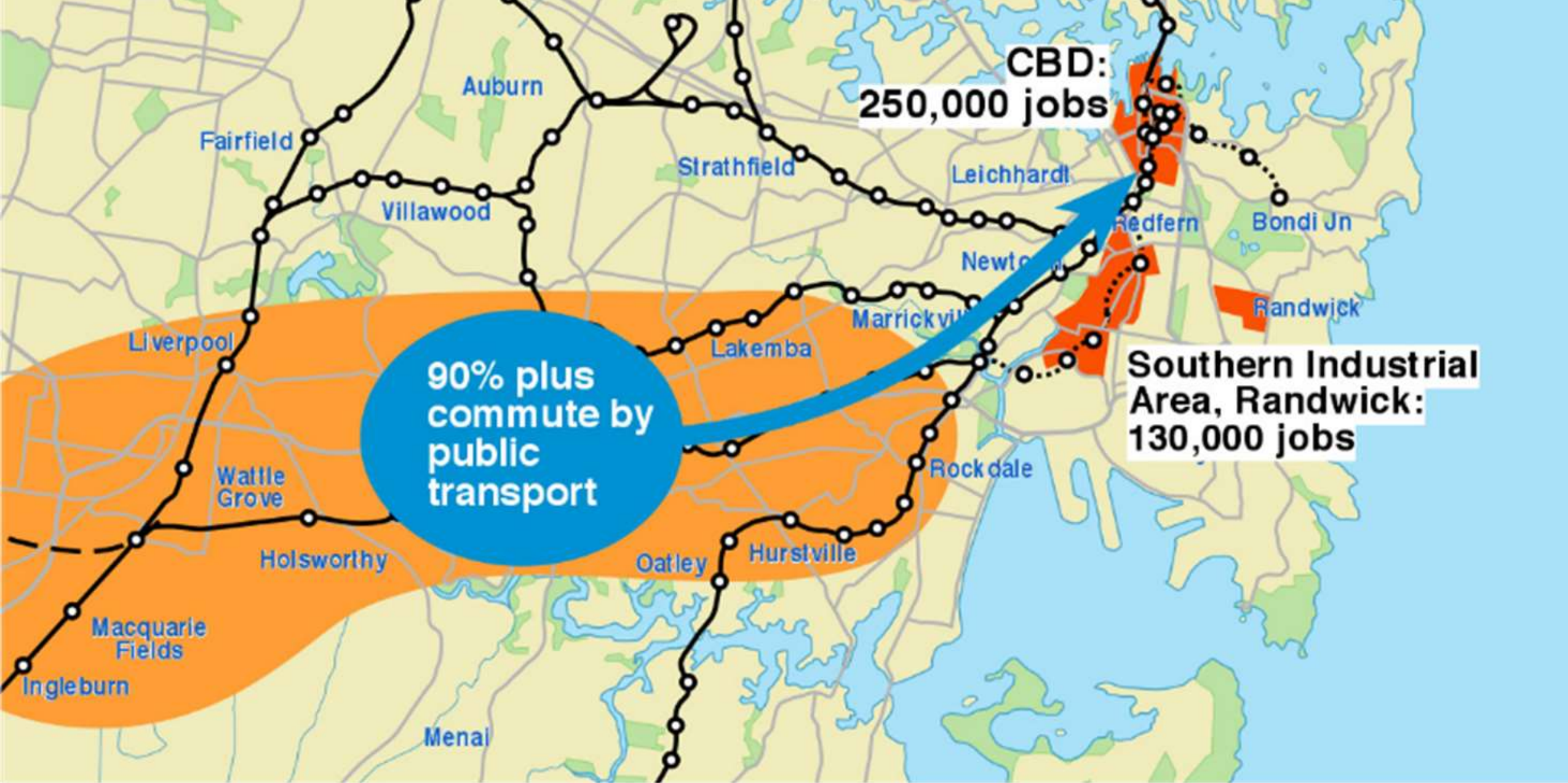
-  Campbelltown, East Hills and Inner West Line
-  Northern Line, services terminate at Central
-  Western and North Shore Line, using high capacity new trains
-  North West Rail Link, connecting to Bankstown and Hurstville via second harbour crossing
-  Illawarra and Eastern Suburbs Line
-  Richmond Line, shuttle to Schofields
-  Parramatta to Epping, probably light rail
-  Shuttle services between Bankstown, Lidcombe and Cabramatta, possible light rail
-  Airport Line, shuttle services between Revesby and Central with new trains
-  Olympic Park shuttle



 INTERACTIVE

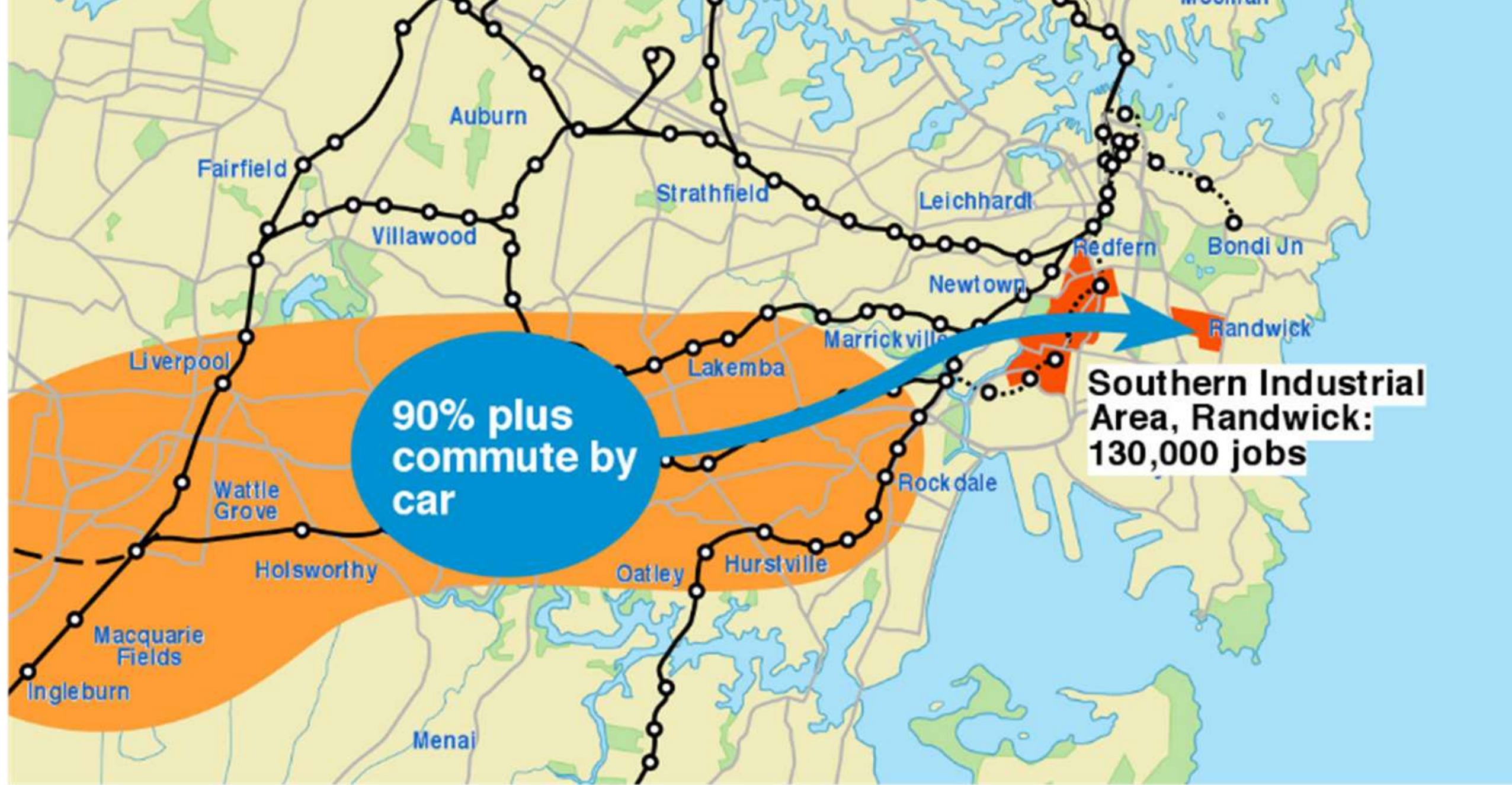






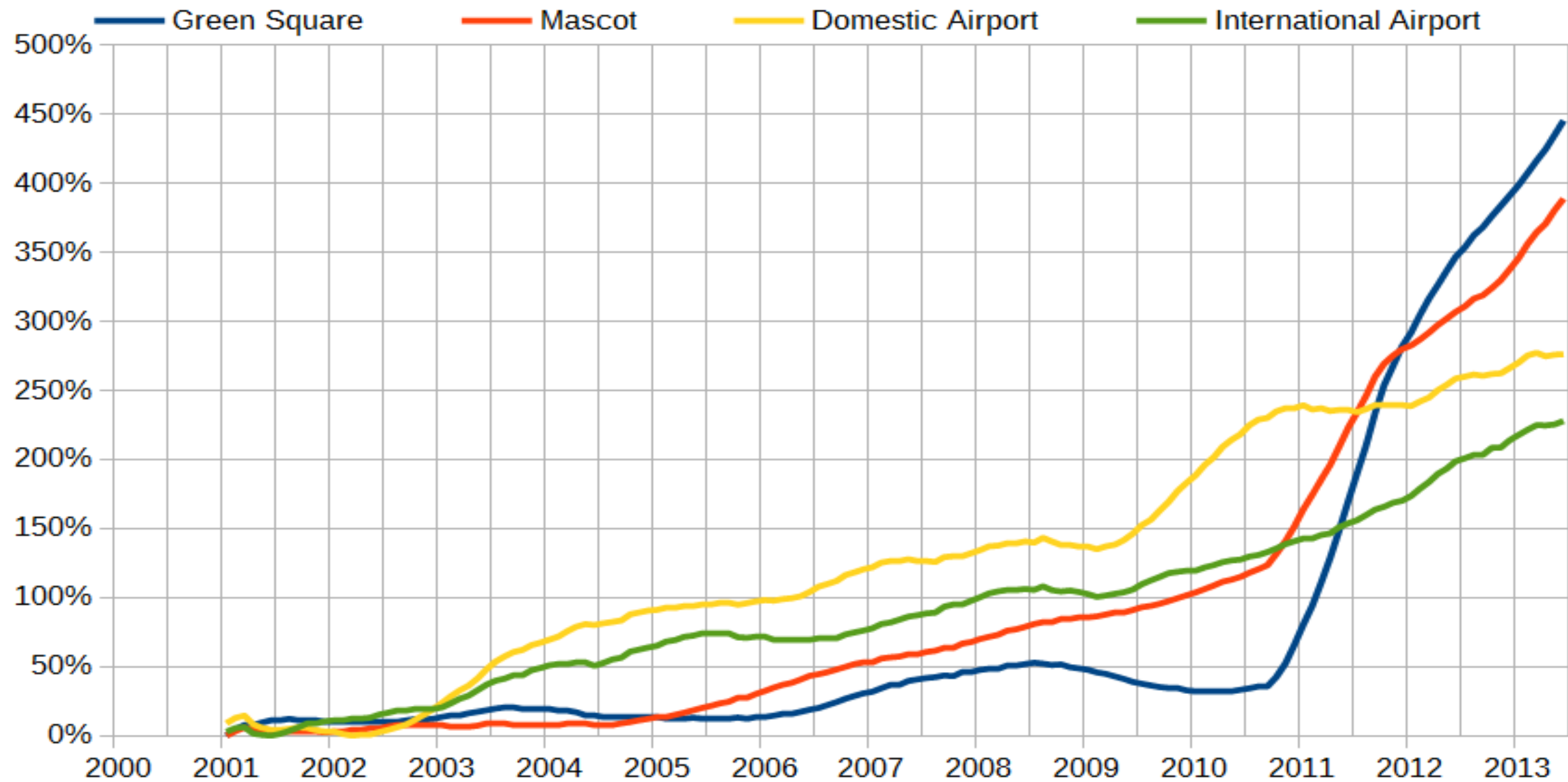
**South-West Sydney's greatest commuter problem:**





**South-West Sydney's greatest commuter problem:**

## Passenger Journeys - 12 Month Average





# Cumberland County Plan 1951

## REFERENCE

LIVING AREAS

BUSINESS & COMMERCIAL  
CENTRE (COUNTY)

BUSINESS & COMMERCIAL  
CENTRES (DISTRICT)

INDUSTRIAL AREAS

RURAL AREA

GREEN BELT AREA

UNDETERMINED AREA

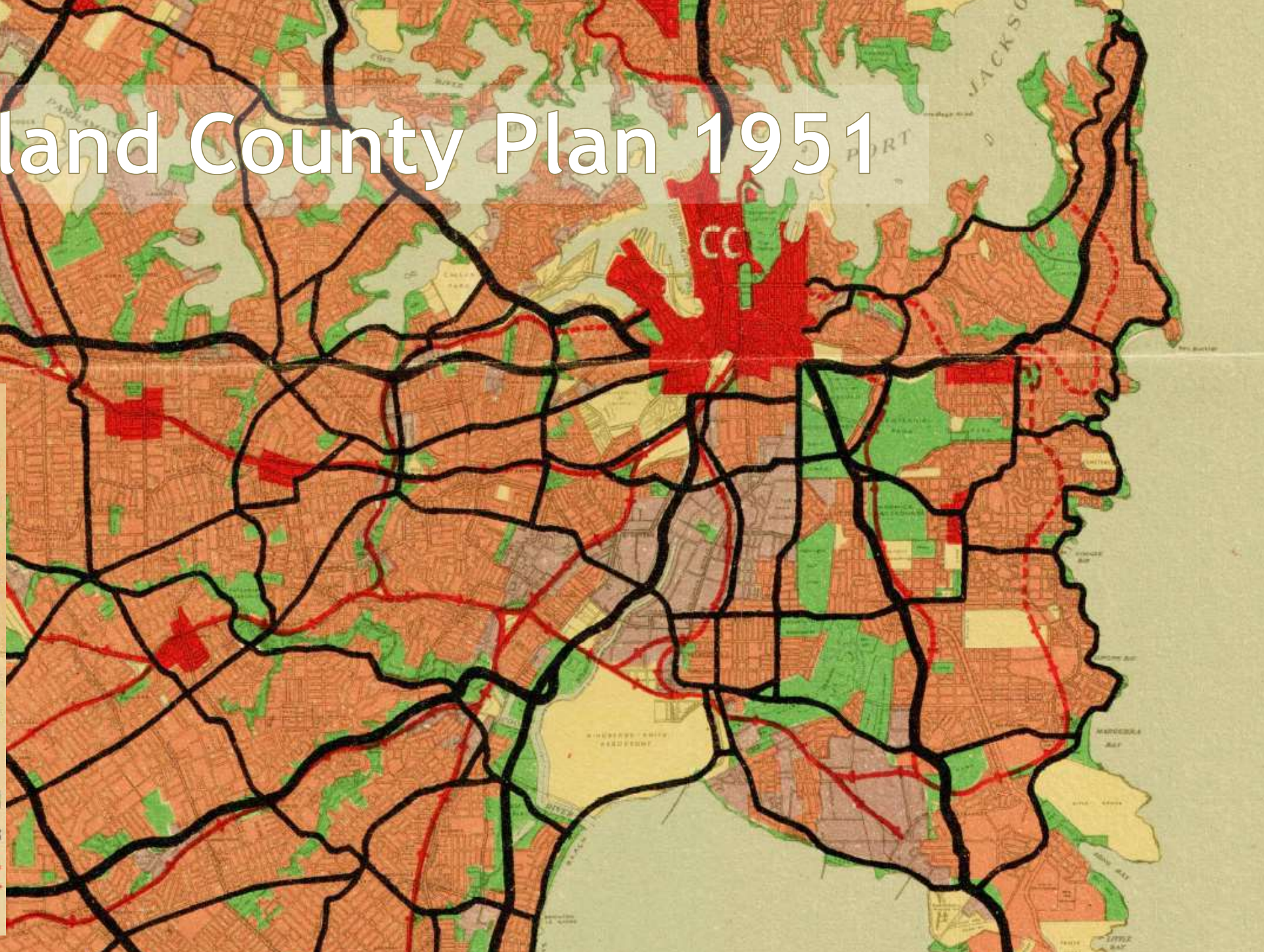
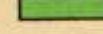
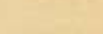
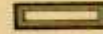
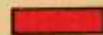
SPECIAL USES AREAS

PARKS & RECREATION AREAS  
FORESHORE RESERVATIONS  
& PLACES OF NATURAL  
BEAUTY OR ADVANTAGE

COUNTY ROADS

RAILWAYS — SURFACE  
UNDERGROUND

VILLAGES





# Cumberland County Plan 1951

## REFERENCE

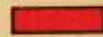
LIVING AREAS



BUSINESS & COMMERCIAL  
CENTRE (COUNTY)



BUSINESS & COMMERCIAL  
CENTRES (DISTRICT)



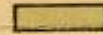
INDUSTRIAL AREAS



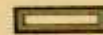
RURAL AREA



GREEN BELT AREA



UNDETERMINED AREA



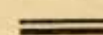
SPECIAL USES AREAS



PARKS & RECREATION AREAS  
FORESHORE RESERVATIONS  
& PLACES OF NATURAL  
BEAUTY OR ADVANTAGE



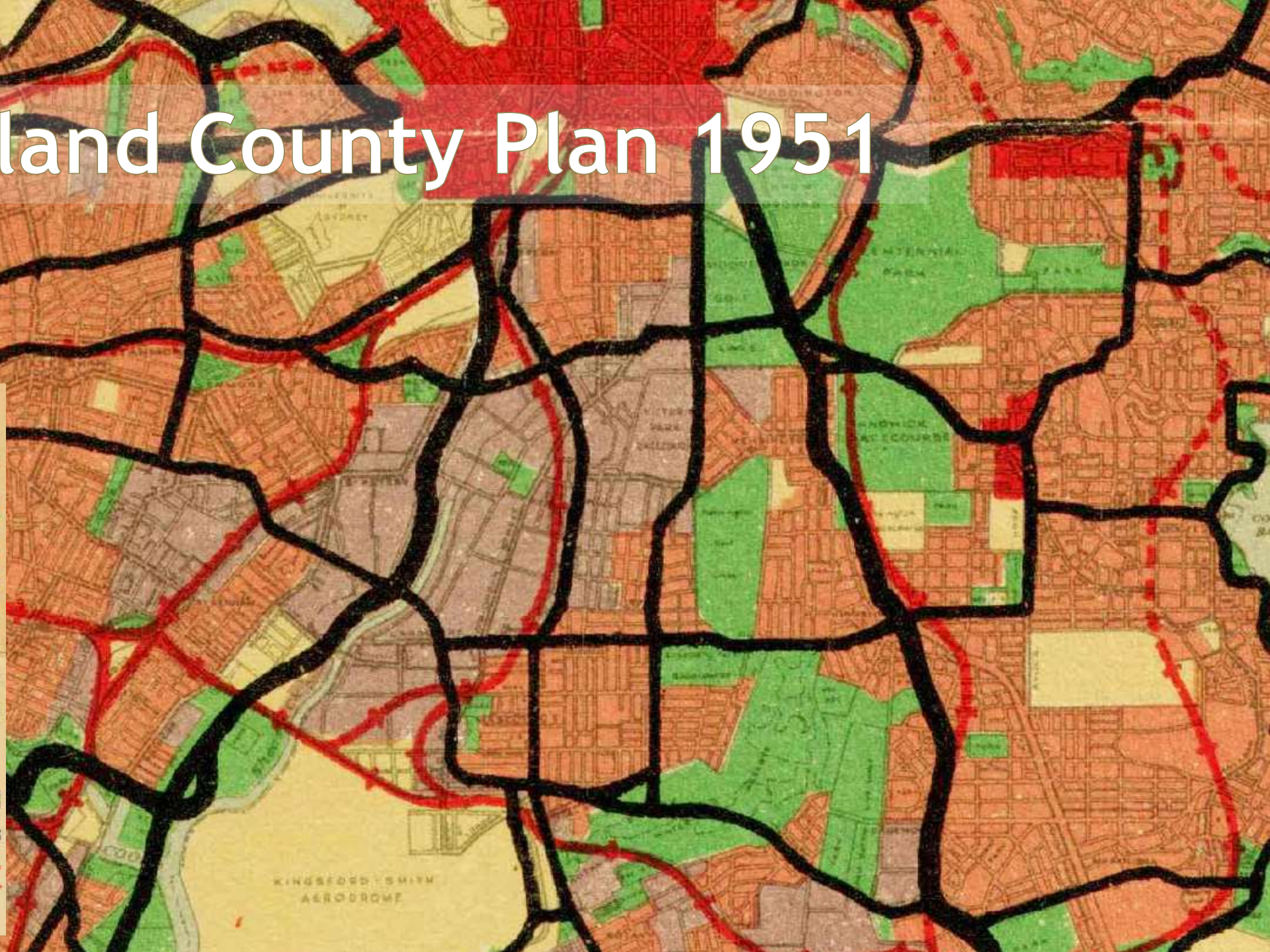
COUNTY ROADS



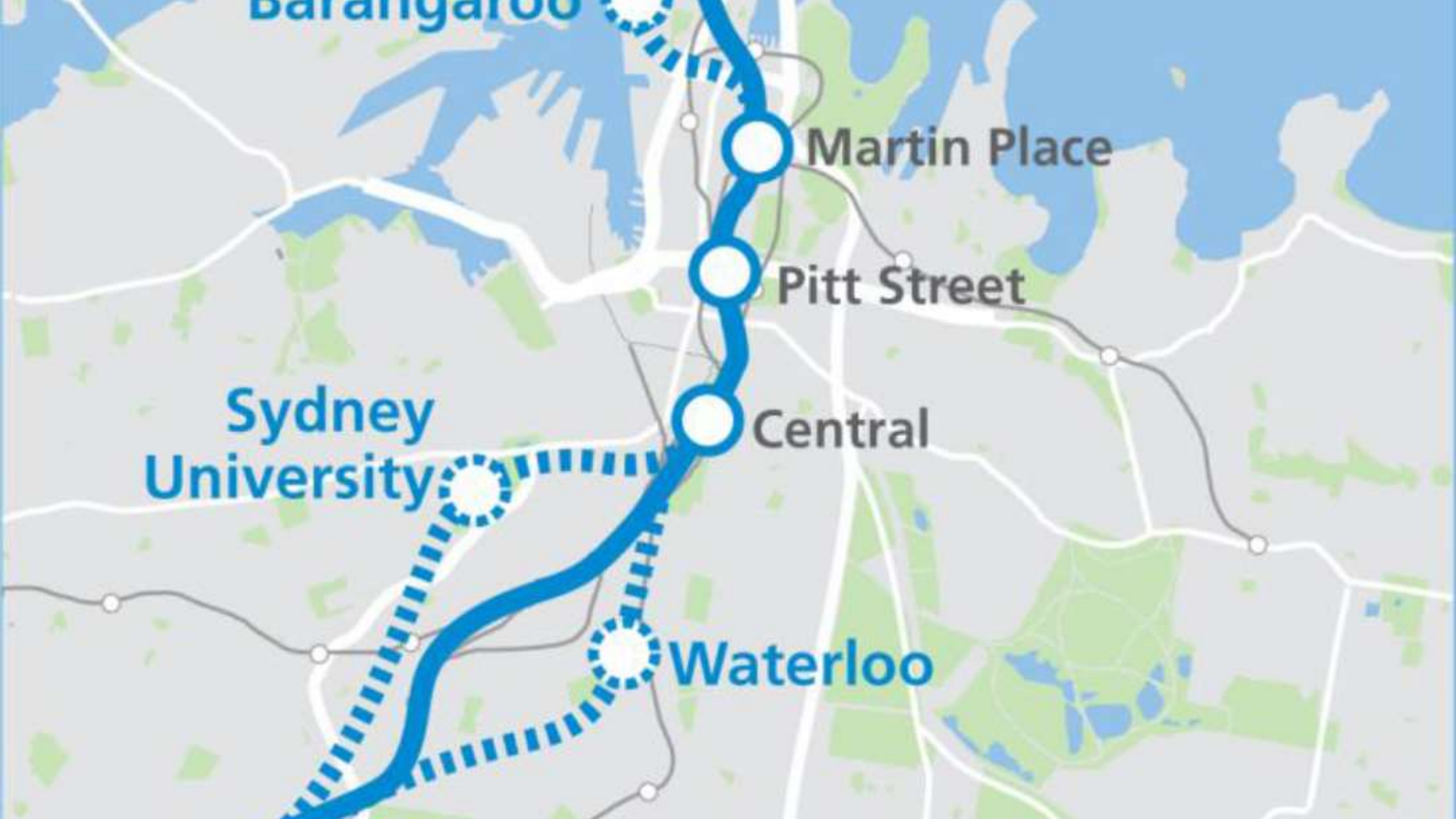
RAILWAYS — SURFACE  
UNDERGROUND



VILLAGES







Barangaroo

Martin Place

Pitt Street

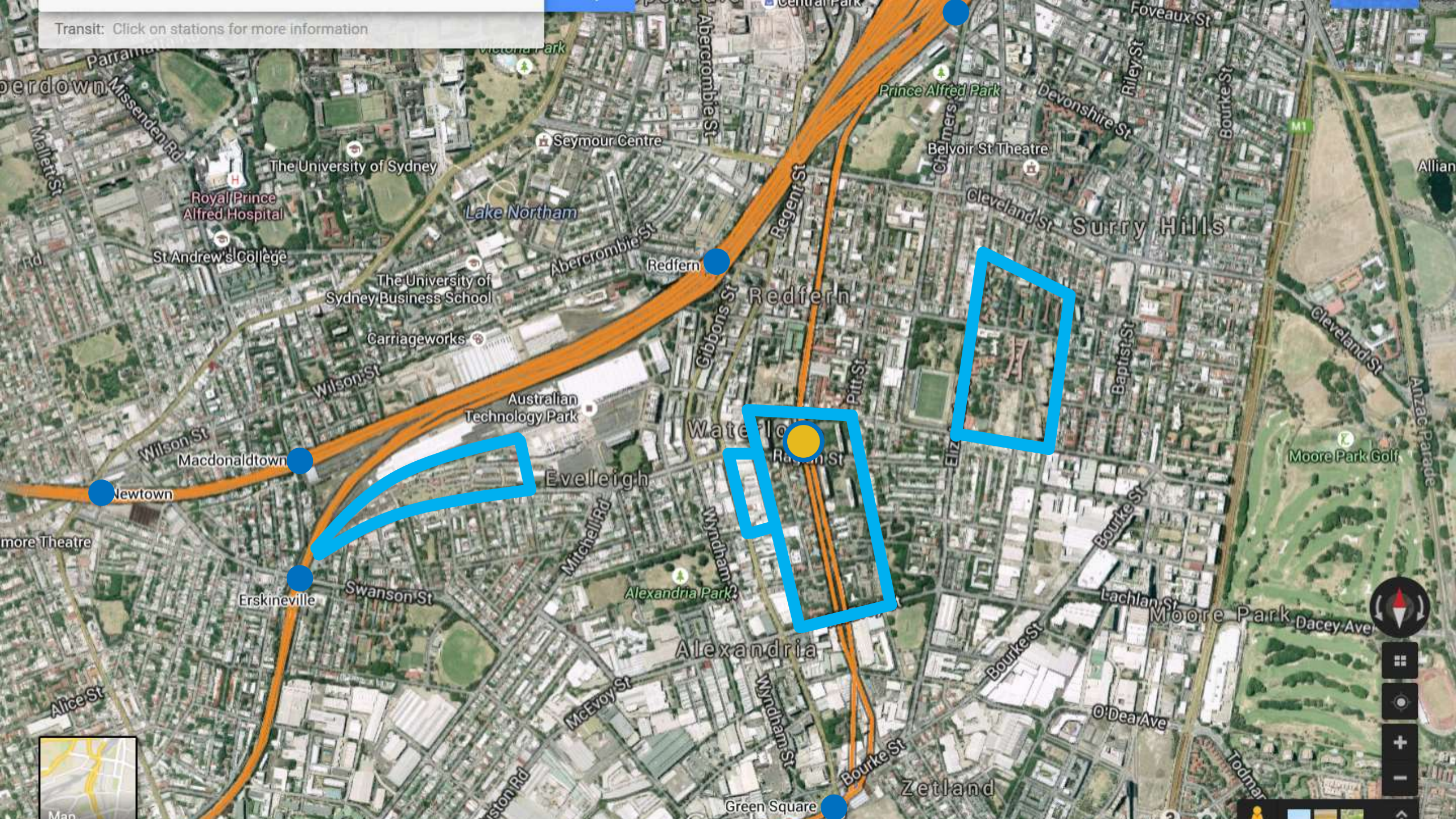
Sydney University

Central

Waterloo



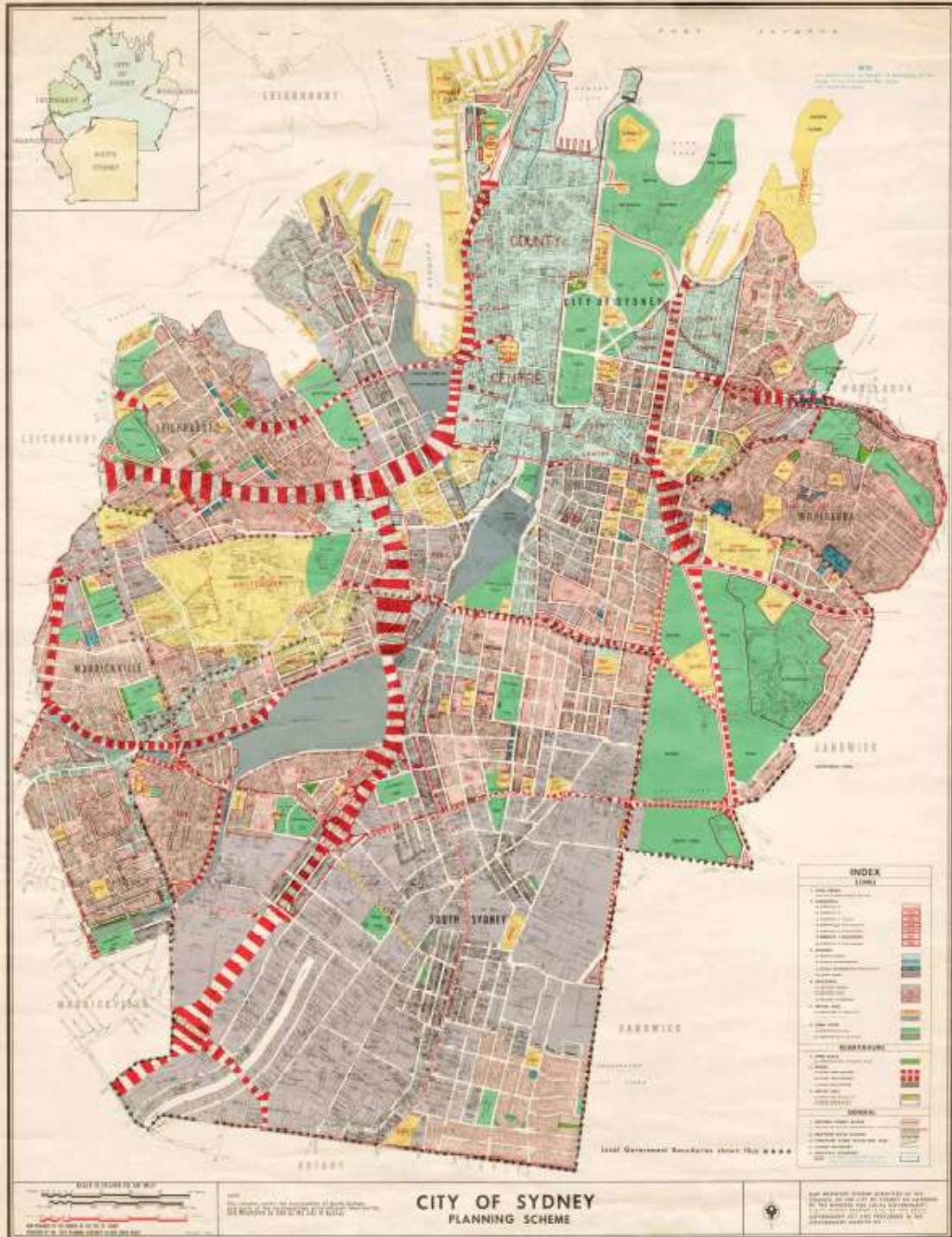
Transit: Click on stations for more information



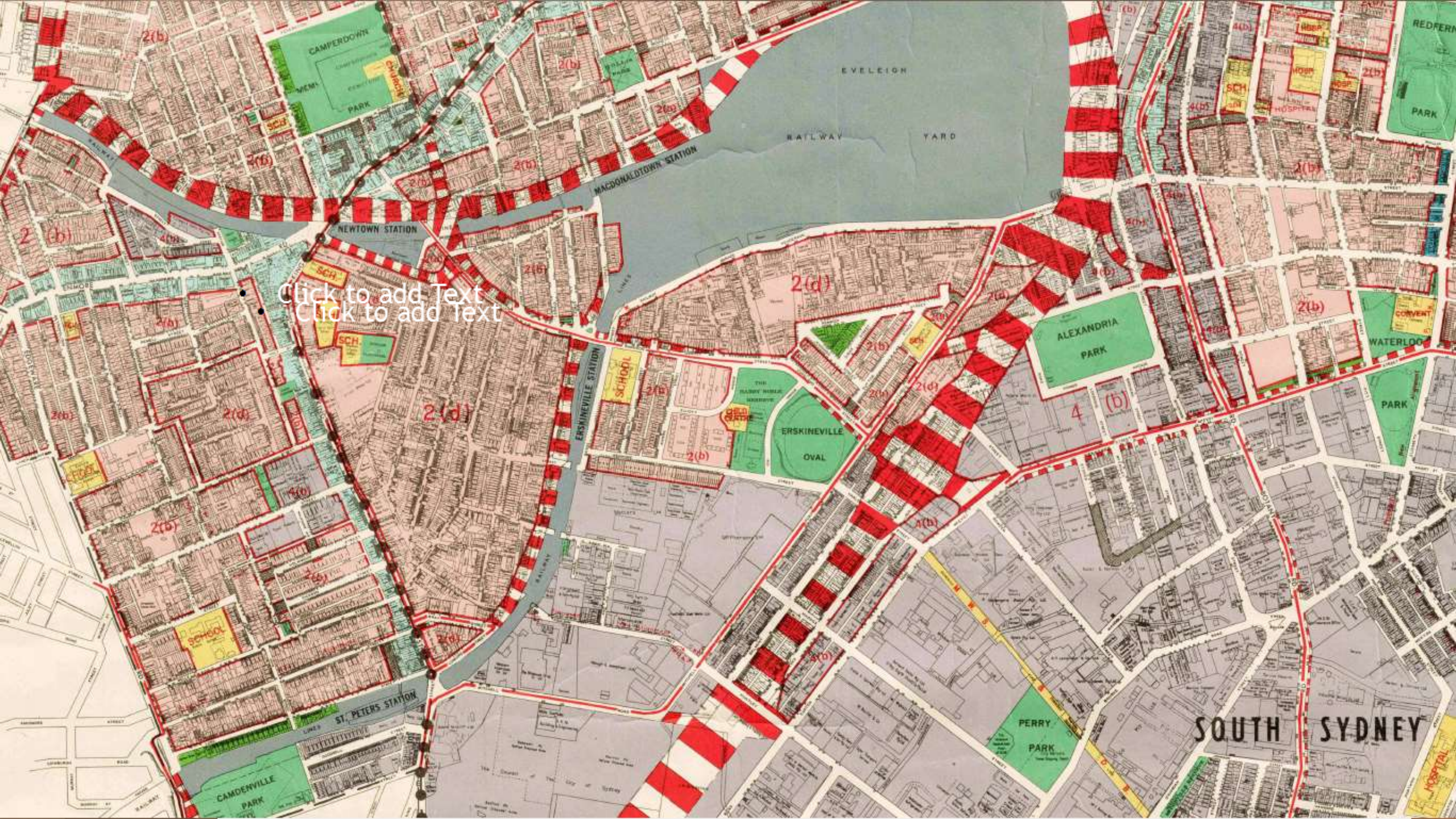


The background features a dark grey, almost black, trapezoidal shape on the left side. To the right of this shape, there are several overlapping, semi-transparent green polygons of various shades, ranging from a vibrant lime green to a darker forest green. These shapes create a layered, geometric effect. The word "Westconnex" is centered within the dark grey area.

Westconnex

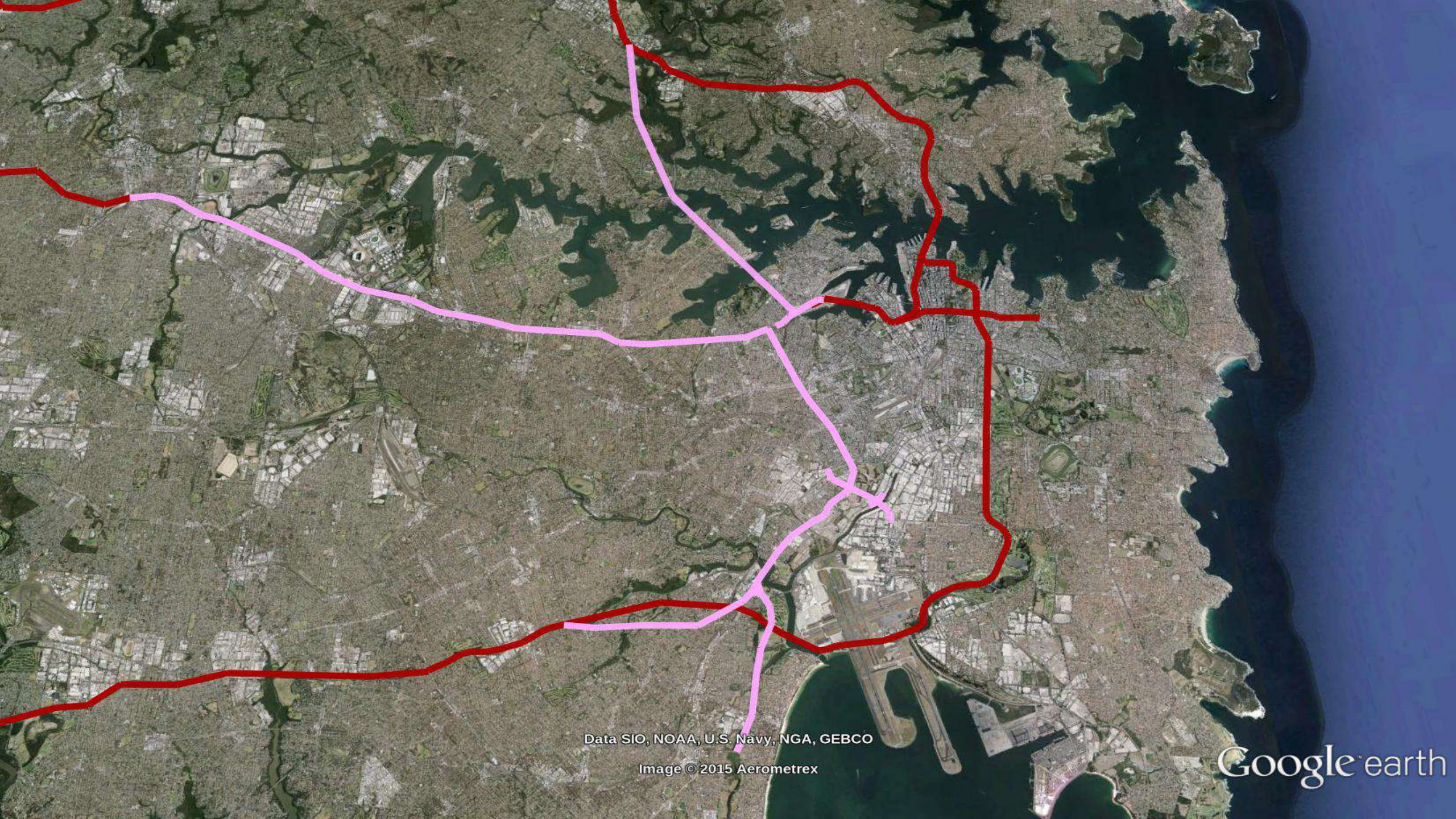






Click to add Text  
Click to add Text



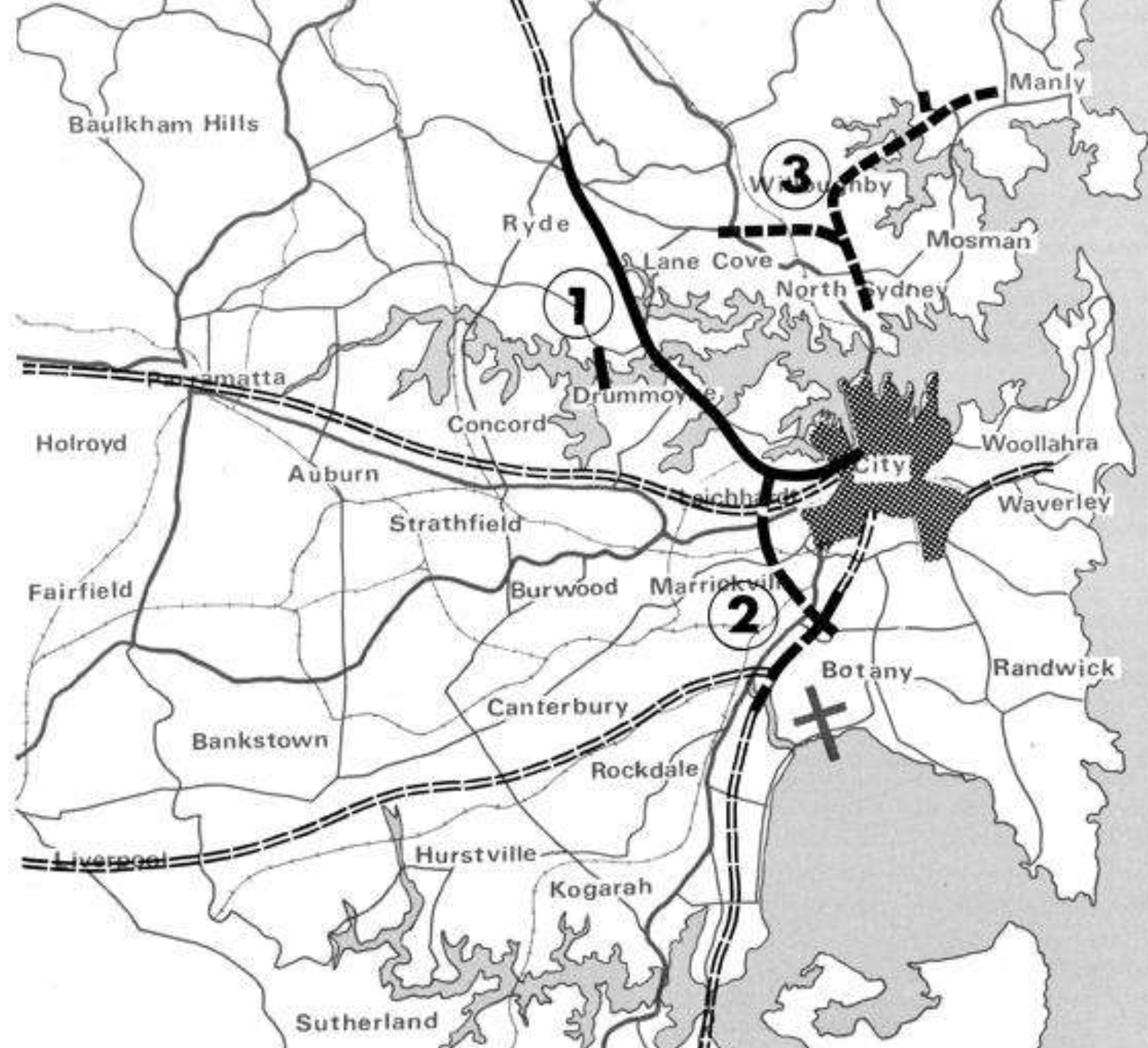


Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Image © 2015 Aerometrex

Google earth







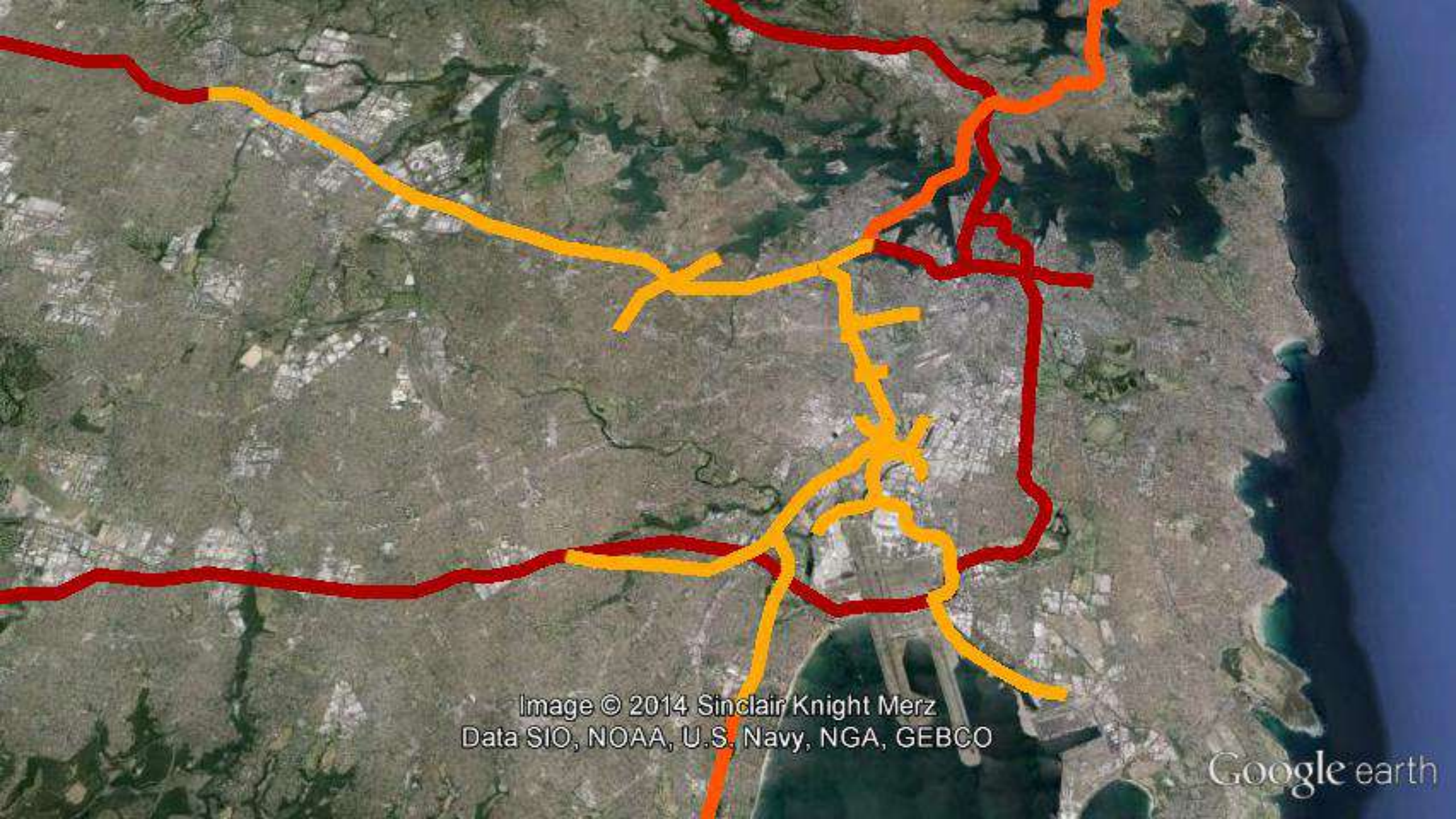


Image © 2014 Sinclair Knight Merz  
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth







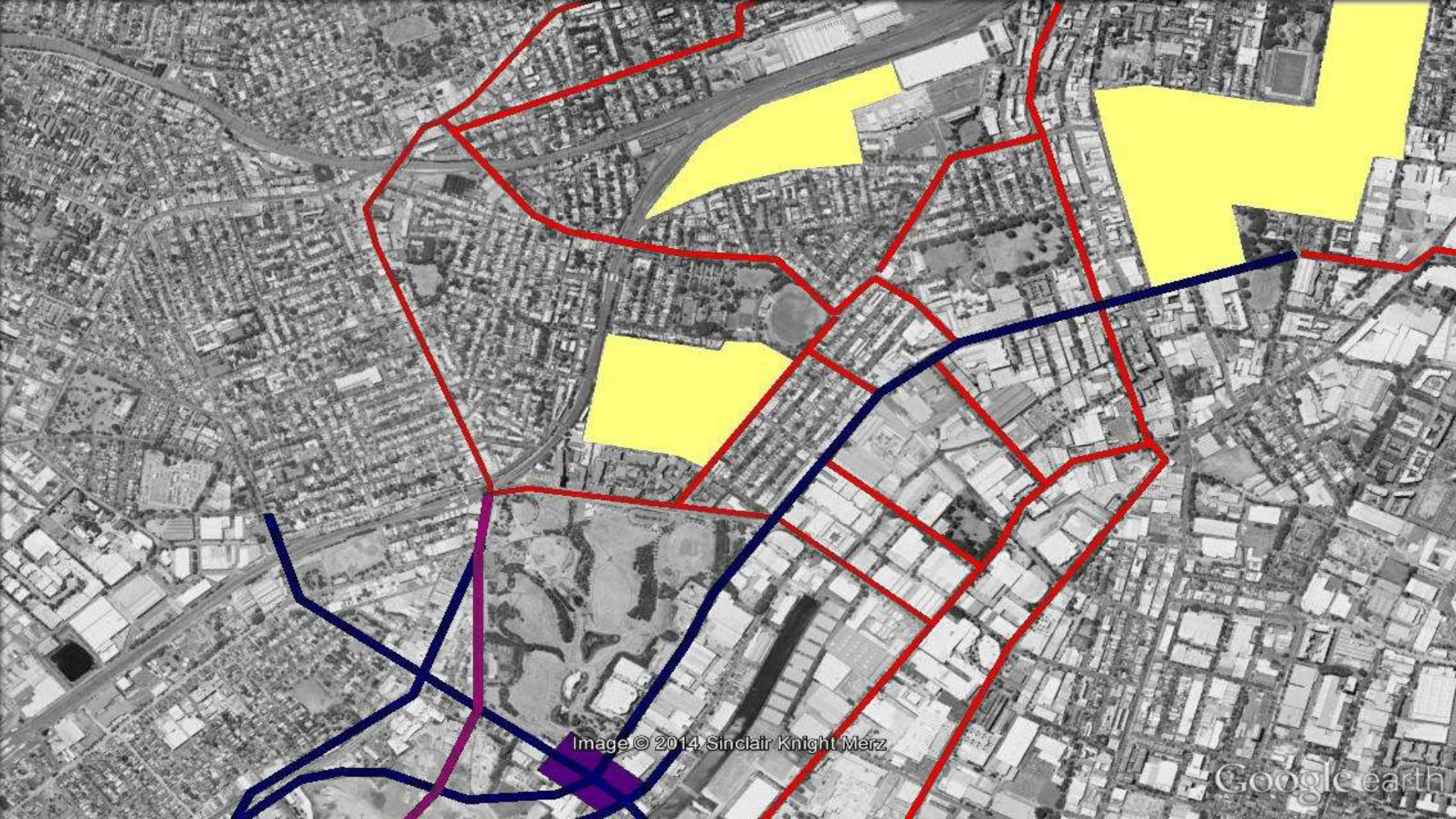
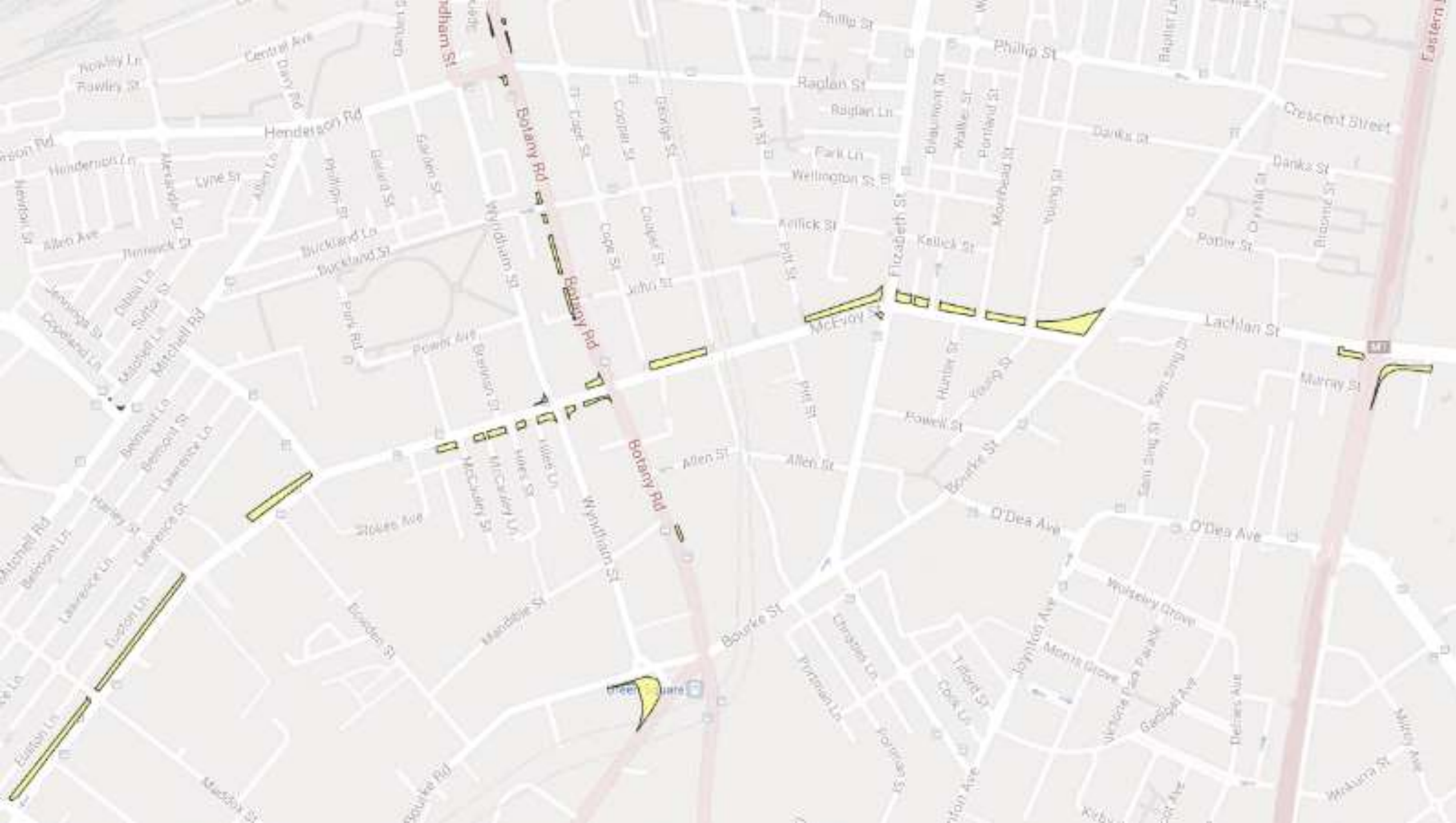


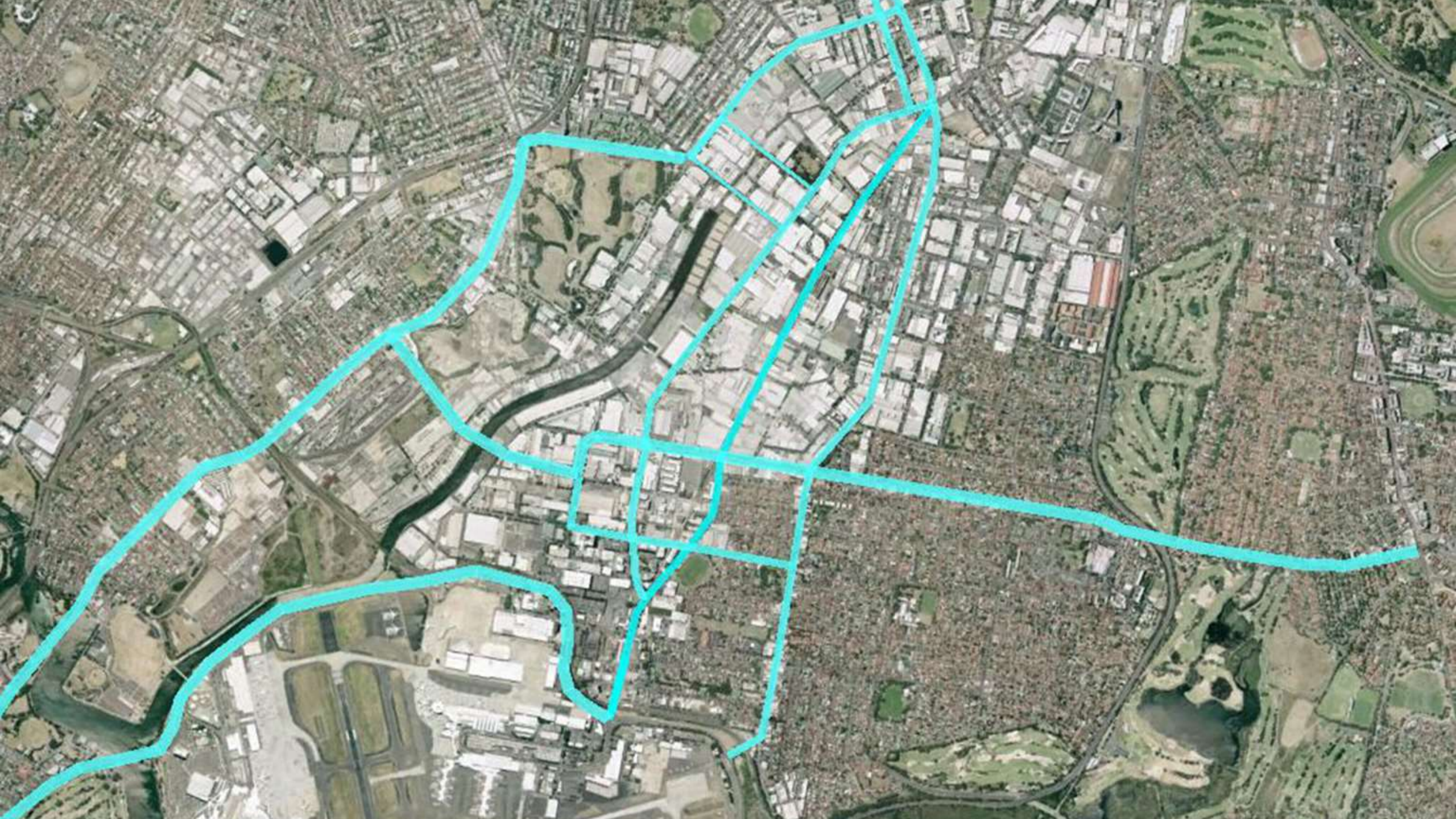
Image © 2014 Sinclair Knight Merz

Google earth











Campbell St

Interstate 20 US Highway 67

Google earth



Campbell St

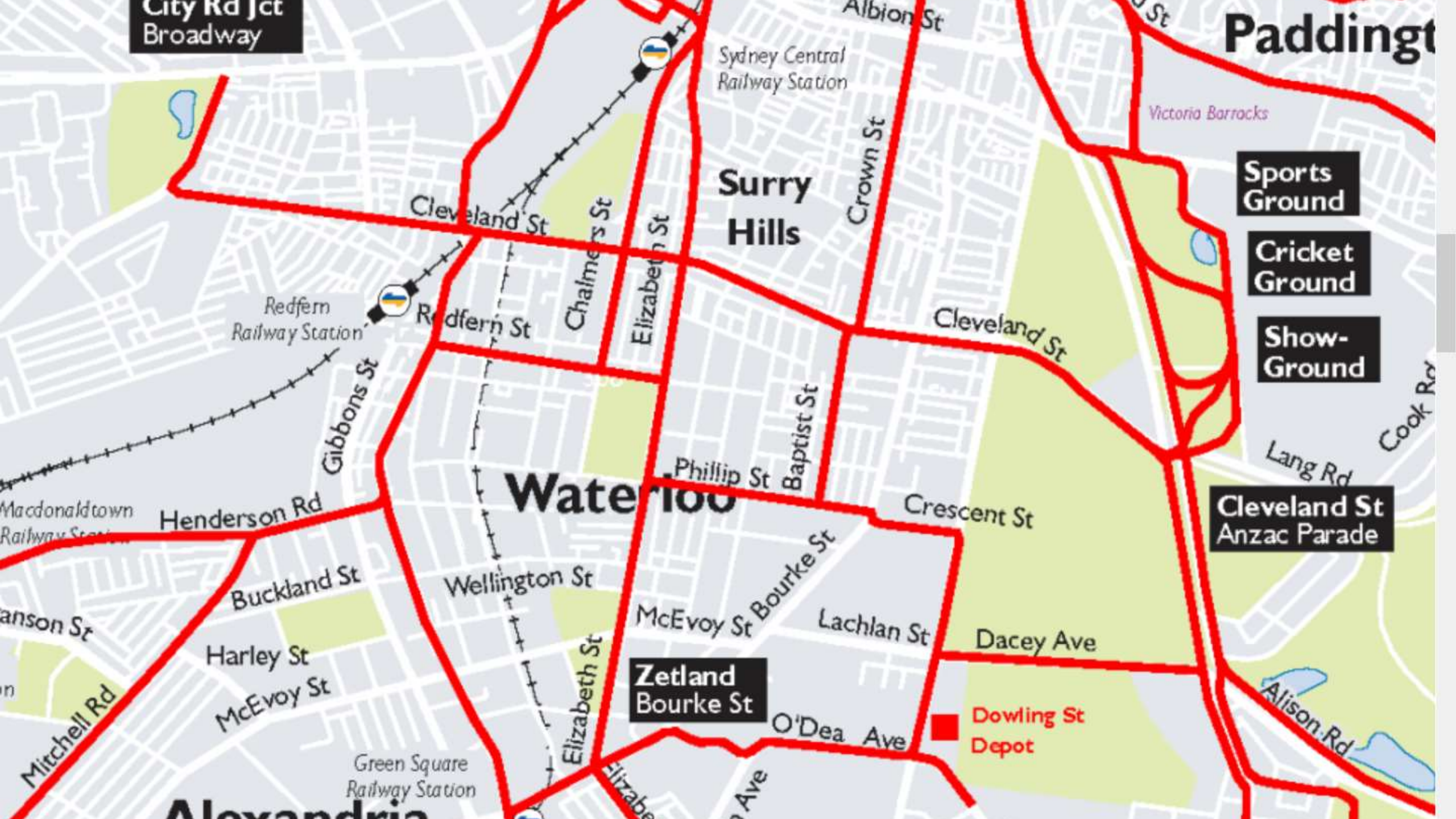
Interstate 20 US Highway 67

Google earth



# Light Rail









**Alexandria**

Green Square  
Railway Station

Bourke St

O'Dea Ave

Dowling St  
Depot

West Kensington  
Todman Ave

**Zetland**

Epsom Rd

Rosebery  
Epsom Rd

**Rosebery**

Kensington  
Anzac Parade

Day Ave

Daceyville Jct  
Anzac Parade

Randw  
Raceco

**Ran**

Anzac Pde

Eastern Ave

Gardeners Rd

Evans Ave

Gardeners Rd

Harcourt Pde

Dalmeny Ave

Rothschild Ave

Dunning Ave

Botany Rd

Gardeners Rd

Bourke Rd

Euston St

Huntley St

Maddox St

Mitchell Rd

McEvoy St

Elizabeth St

Elizabeth St

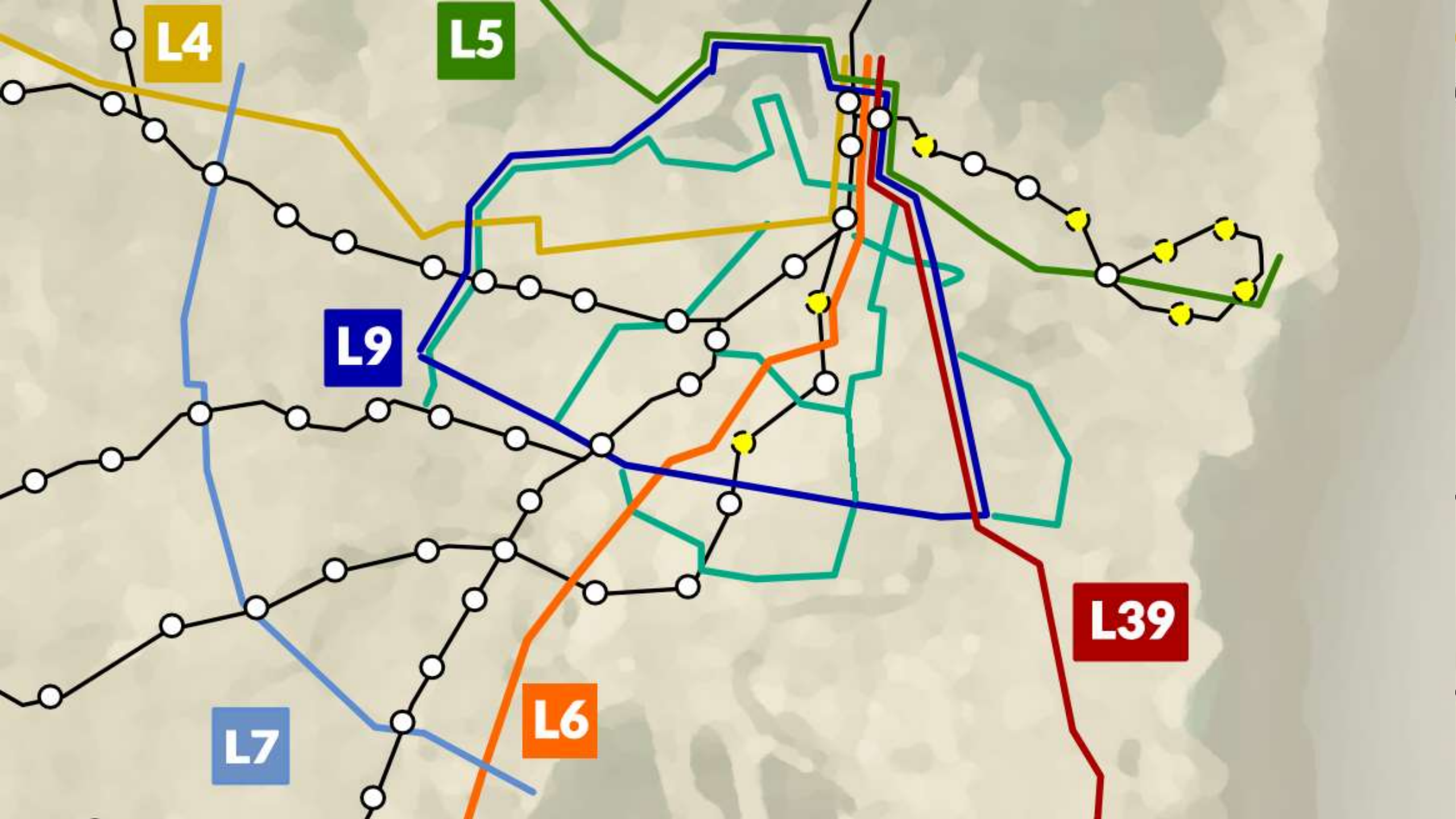
Joynton Ave

Alison Rd

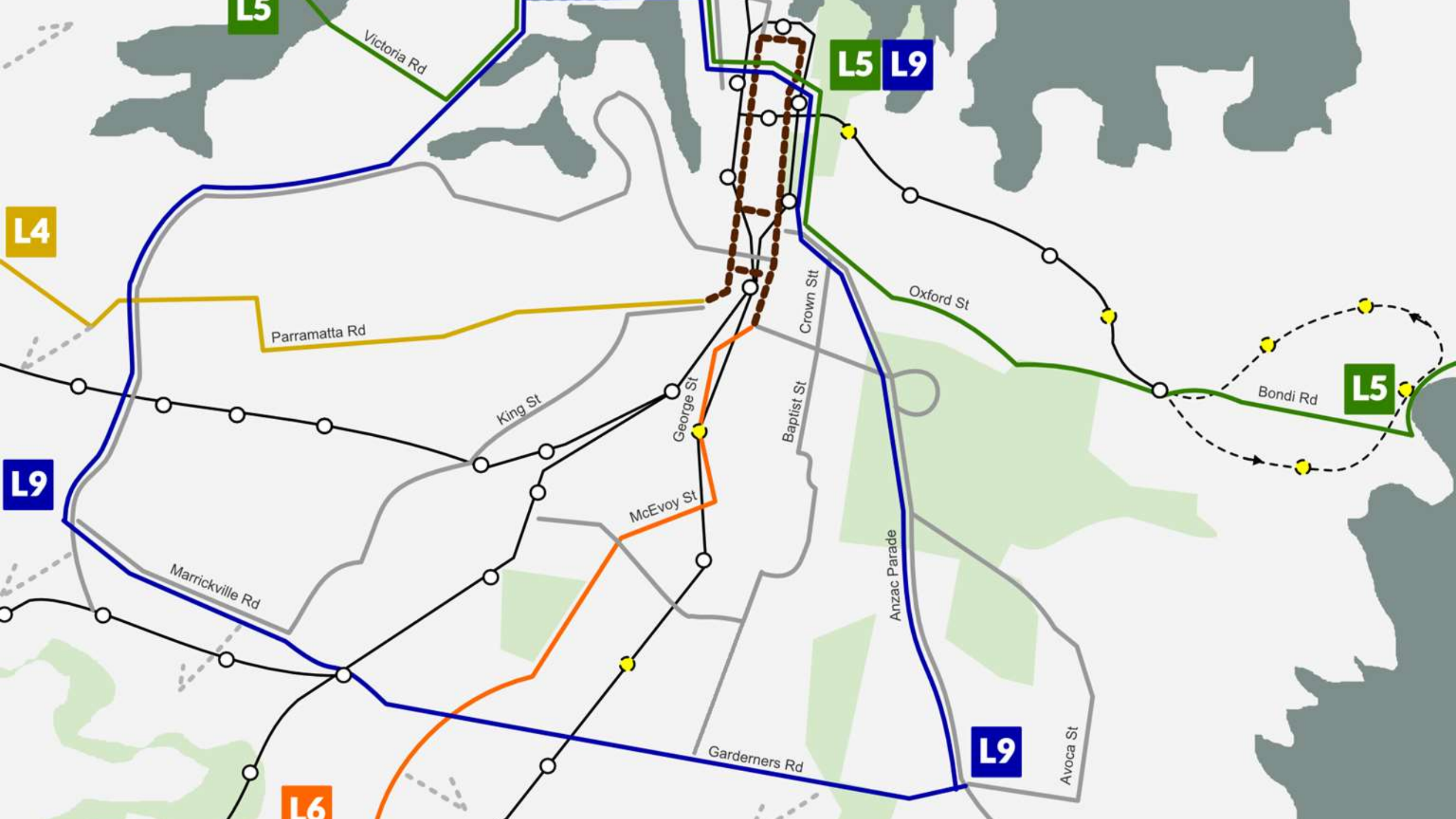
Mascot  
Railway Station

Coward St
















Web: [ecotransit.org.au](http://ecotransit.org.au)



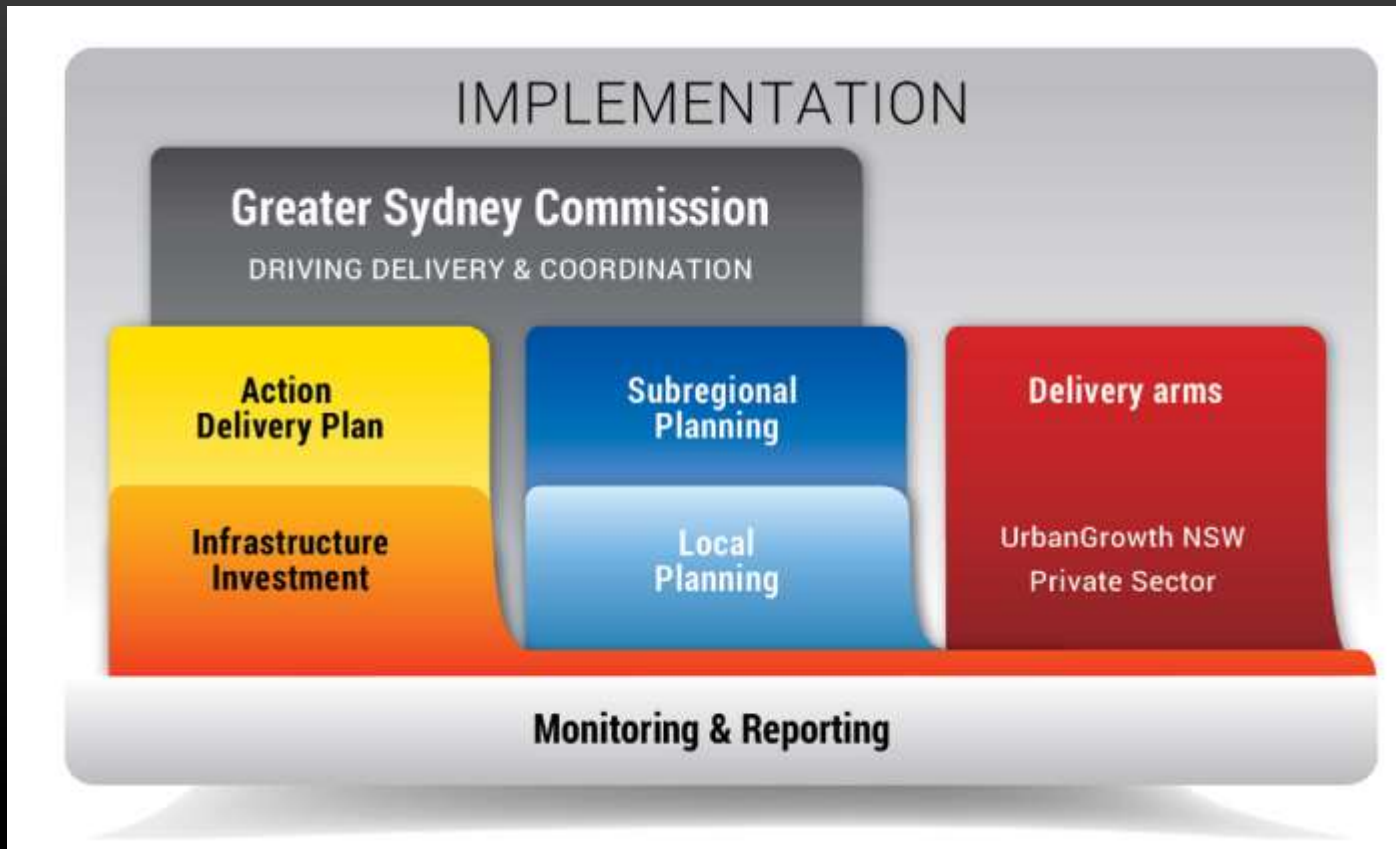
The background features a dark grey gradient on the left and a series of overlapping, semi-transparent green triangles on the right, creating a modern, geometric aesthetic.

# Sydney Metropolitan Strategy 2014



## ACTION 2.2.1:

# USE THE GREATER SYDNEY COMMISSION TO SUPPORT COUNCIL-LED URBAN INFILL PROJECTS





## ACTION 2.2.2:

UNDERTAKE **URBAN RENEWAL** IN TRANSPORT CORRIDORS WHICH ARE BEING TRANSFORMED BY INVESTMENT, AND AROUND STRATEGIC CENTRES

The Government will continue to focus urban renewal activities to **provide additional housing** in the following corridors:

- ▶ Parramatta Road corridor;



## ACTION 2.3.2:

# ENABLE THE SUBDIVISION OF EXISTING HOMES AND LOTS IN AREAS SUITED TO MEDIUM DENSITY HOUSING

The **Government will modify** the **Standard Instrument Local Environmental Plan** to make local development controls more **consistent** across Sydney.



# PRIORITIES FOR CENTRAL SUBREGION

**Accelerate housing supply**, choice and affordability and build great places to live

- ▶ Work with Councils to identify suitable locations for **housing intensification** and urban renewal, including employment agglomerations, particularly around **Priority Precincts**, **established and new centres**, and along including the Inner West and South Line; **Inner West Light Rail**; ... .



