North Line - as given
North Line - area of interest
North Line - area of interest
North Line - area of interest

Walcott
Fitgerald
Randell
Northbridge
North Line - external forces

1. ECU ‘just over hill’
2. No Walcott crossing traffic
3. Keep space ‘green’
4. City of Vincent ‘Lanes Development’
5. Keep space ‘green’
6. Fitz Freeway to city
7. Northbridge TAFE
North Line - *reasons for lane devel both sides*

*Busy* Fitzgerald - looking north and then add 2 LRT travks?

Turn 90 degrees - “vacant” R code increase revitalisation
North Line - A better LRT for lanes (U/G)

Steel on Steel (SOS)

- Too wide
- Too high
- High for stability
- Low floor
- Too high for width
- Floor too high
- Induction - no overhead wire
- Squeals in tight corners
- Floor not too high

Pneumatic tyres on Pavement (POP)

- Narrower LRT with 2 seats wide
- Rubber tyres quieter op / steeper grades
- Steel guidance with overhead
- Guidance with power
- Wide tyres - light & stable
- Extra low ‘hanging’ floor
North Line - A better LRT for lanes (U/G)

Pneumatic tyres on Pavement (POP)

- Narrower LRT with 2 seats wide
- Rubber tyres quieter op / steeper grades
- Centre guidance and power delivery

Revenue generation from electricity, water, gas, sewer and broadband transport

Other revenue sources possible with lane use and small 3200 x 3200 transport track area,
North Line -

Lots of historic lanes and narrow roads on both sides of Fitzgerald that forms about a 500m north strip of opportunity. Separate into 2 lines to complement.
North Line - *Walcott to Angove St*

R160 / 30,000 sqm development with dual use 500 car day parking and overnight LRT storage. Peak demand buffer & cover for special events. 1500 mixed use, which pays for 800m of track.

- Traffic flow across intersection and parking
- Wallcott
  - Park path rebuilt with stormwater capture
  - One home rebuilt with LRT underneath
- Angove St
  - Travels under hotel carpark
North Line - Angove St to Randell

One less stop and dedicated line under lanes saves 3 minutes in AM Peak travel to the city

R160 Developments overlook green

Fitzgerald
One LRT track out provides bike way lane in Fitzgerald Street

Randell
Stormwater harvest benefits with rebuild

To city
From city
North Line - Randell to Perth City

Northbridge tourist and Northbridge TAFE stop on the way out from the City.

Also for ECU students living in Northbridge

Roe St

James

Randell

William

Northbridge TAFE

Aberdeen

James

Roe St
Thankyou!

North Line - *area of interest*