



# **ROAD SAFETY & TRAFFIC ISSUES**

Port Kembla Stakeholders Forum

Prepared 27/03/2009



## NSW State Plan – RTA Responsibilities

### Lead Agency for:

- S7 Safer Roads

### Partner Agency for:

- E3 Cleaner air & progress on greenhouse gas reductions
  - E7 Improving the efficiency of the road network
  - S6 Increasing share of peak hour journeys on public transport
  - P2 Maintaining & investing in infrastructure
  - S8 Increased customer satisfaction with Government services
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## Data Sources

Measuring existing operation:

- Crash Data
- Traffic Data
- Heavy Vehicle Data

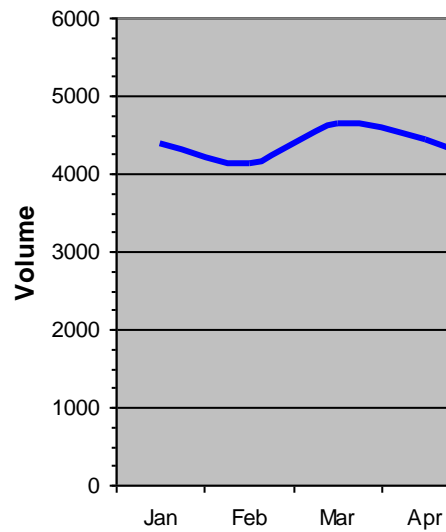
Forecasting future operation:

- Traffic Modelling
  - Road Safety
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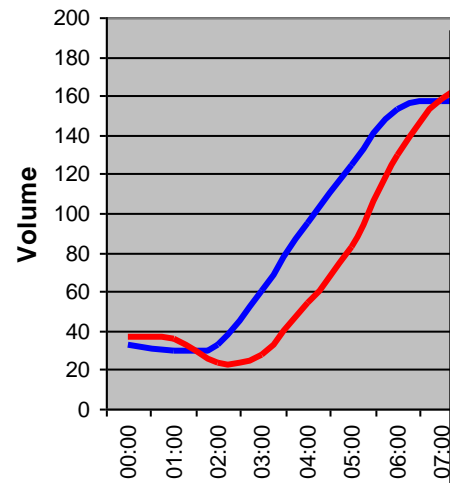


# Data Sources - Examples

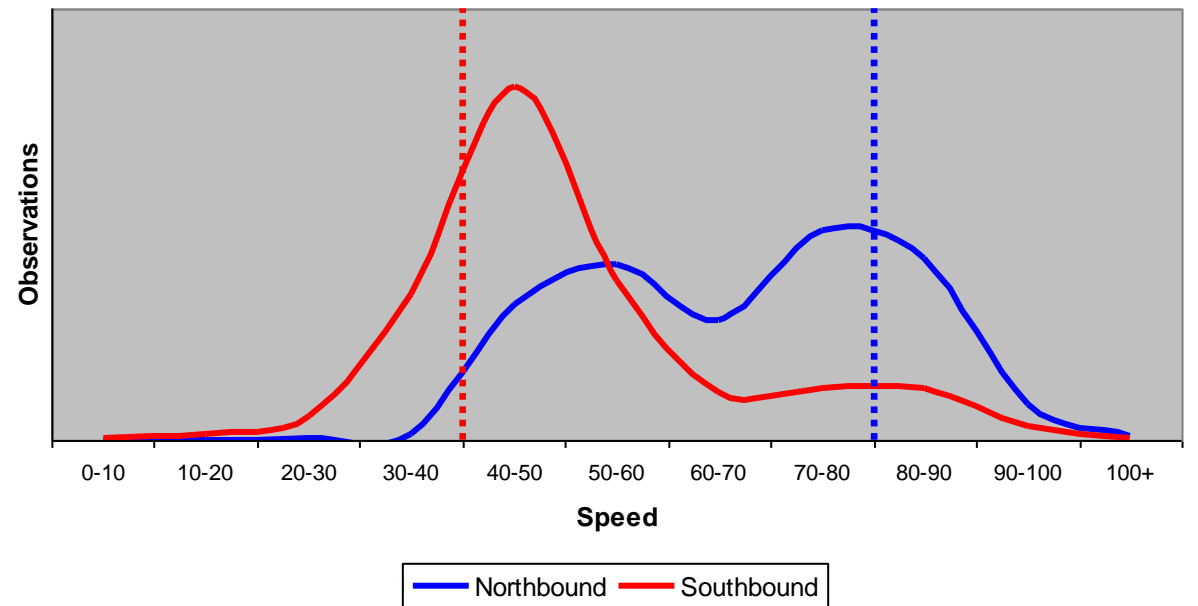
### Average Daily Heavy Vehicle Volumes Nov 2007 - Aug 2008



### Average Hourly Heavy Vehicle Volumes July 2008



### Heavy Vehicle Speeds July 2008



# Key Arterial Corridors

## Illawarra to Sydney

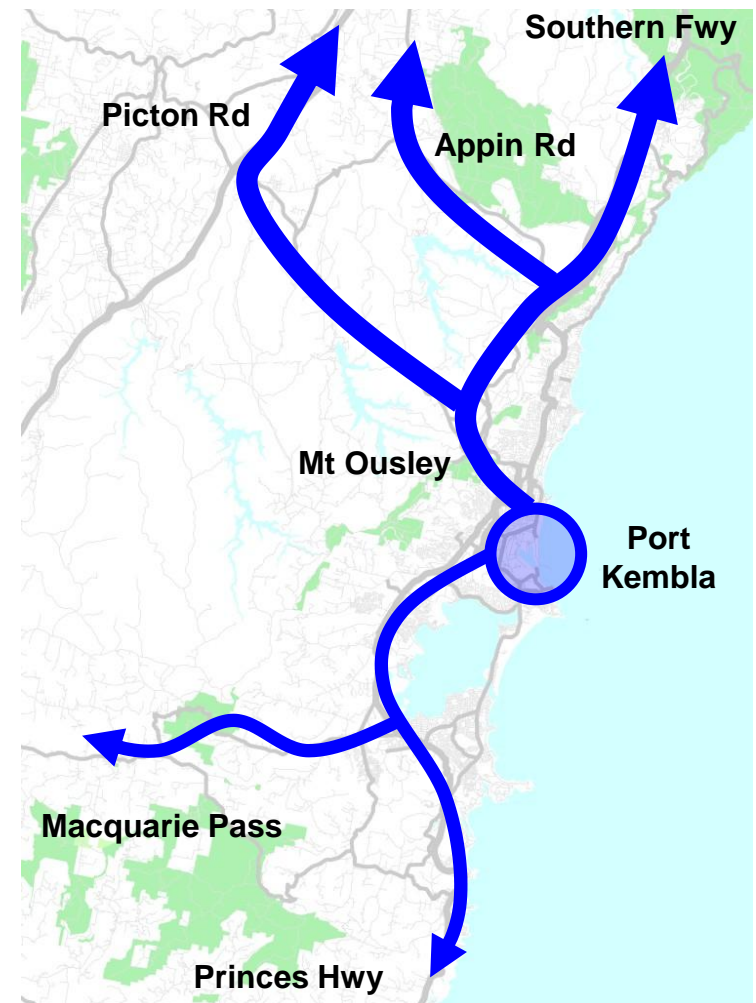
- Important freight corridor in Australia
  - Bureau of Transport & Regional Economics (BTRE), 2006

## Illawarra to South Coast & Southern Highlands

- Important economic link with constraints

## Port Access Roads

- light /heavy vehicle mix
- Traffic capacity

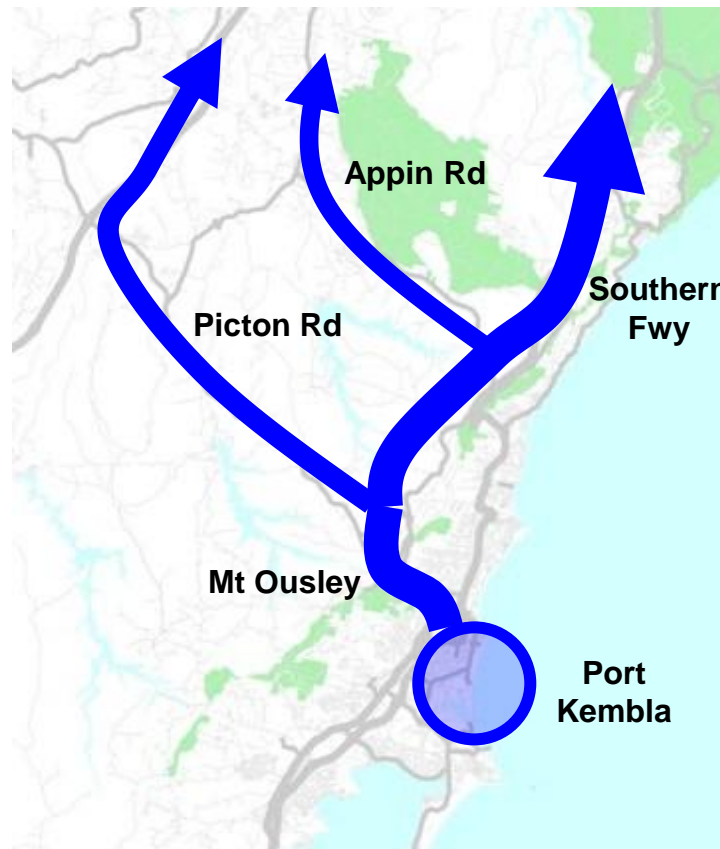


# Port Kembla to Sydney Corridor

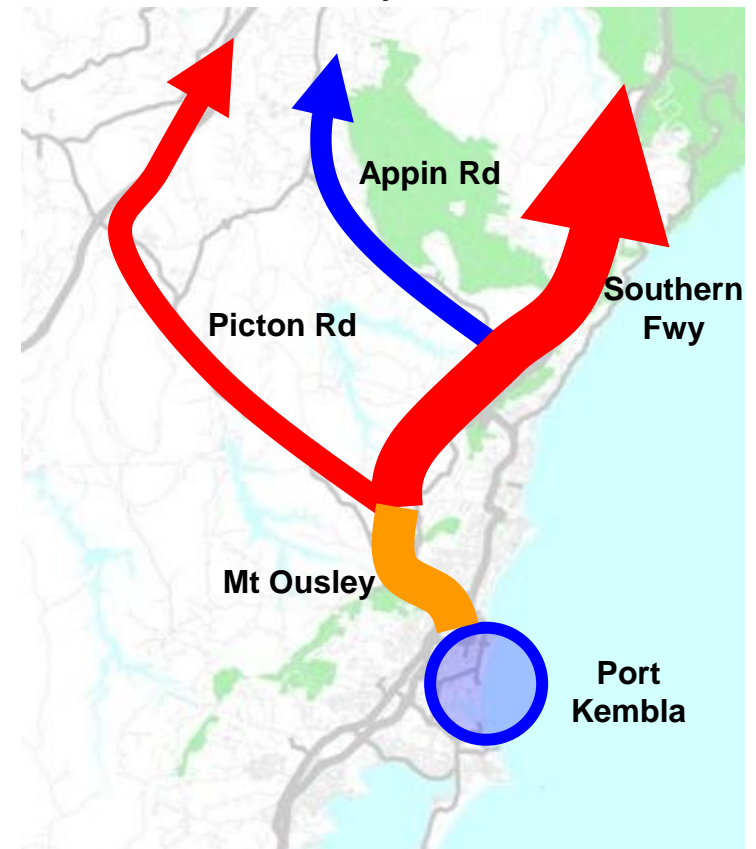
## Traffic Efficiency:

- V/C Ratio
- Travel Time
- Delay
- LOS

Present



+ 20 years

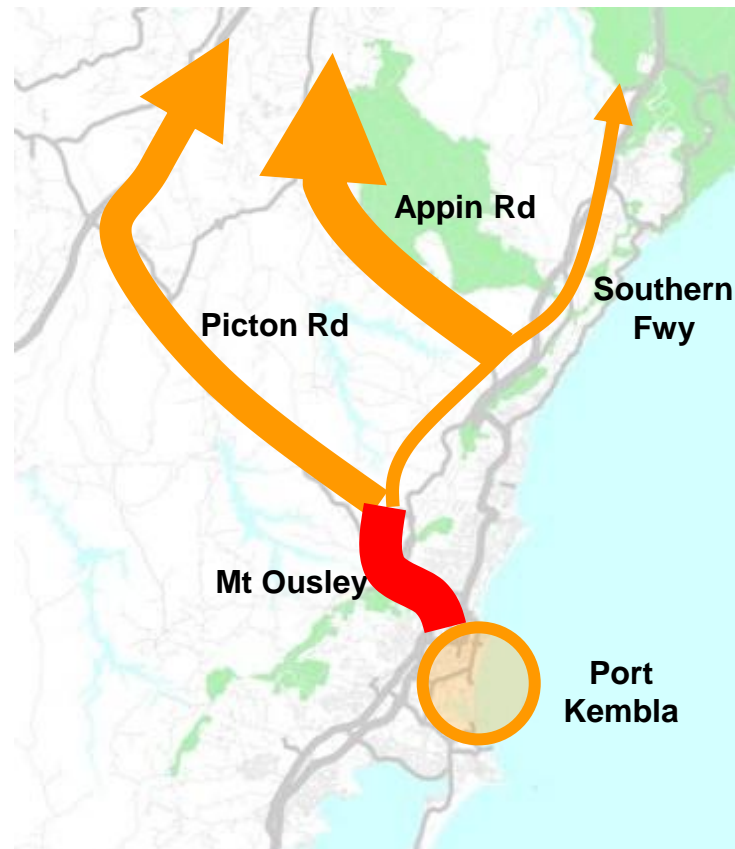


# Port Kembla to Sydney Corridor

## Road Safety:

- 2005 – 2007
- Network safety
- Incidents per vehicle km travelled

Present



# Port Kembla to South Coast & Southern Highlands

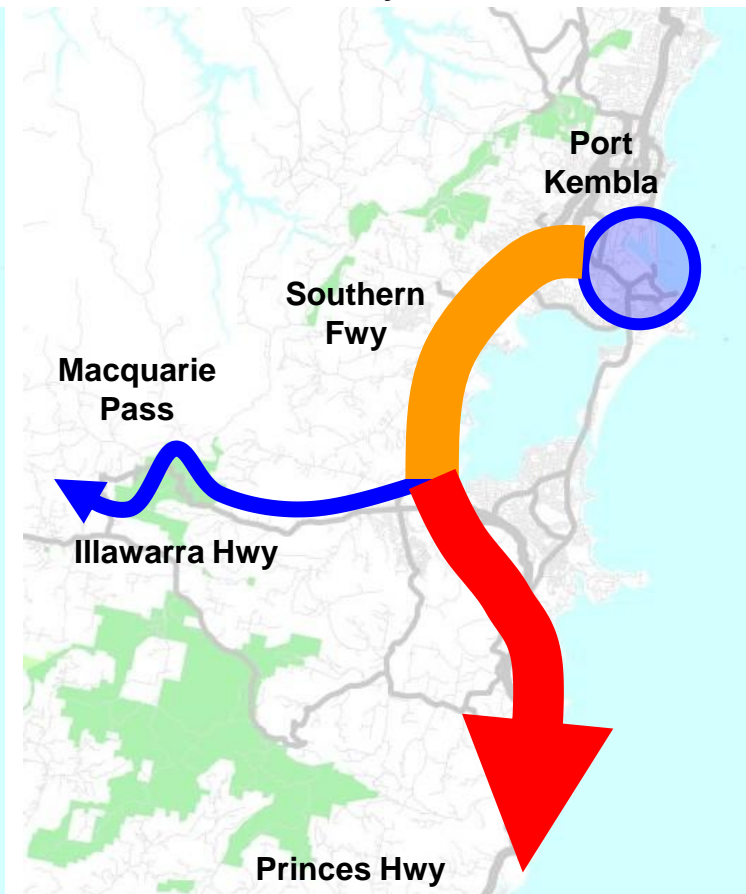
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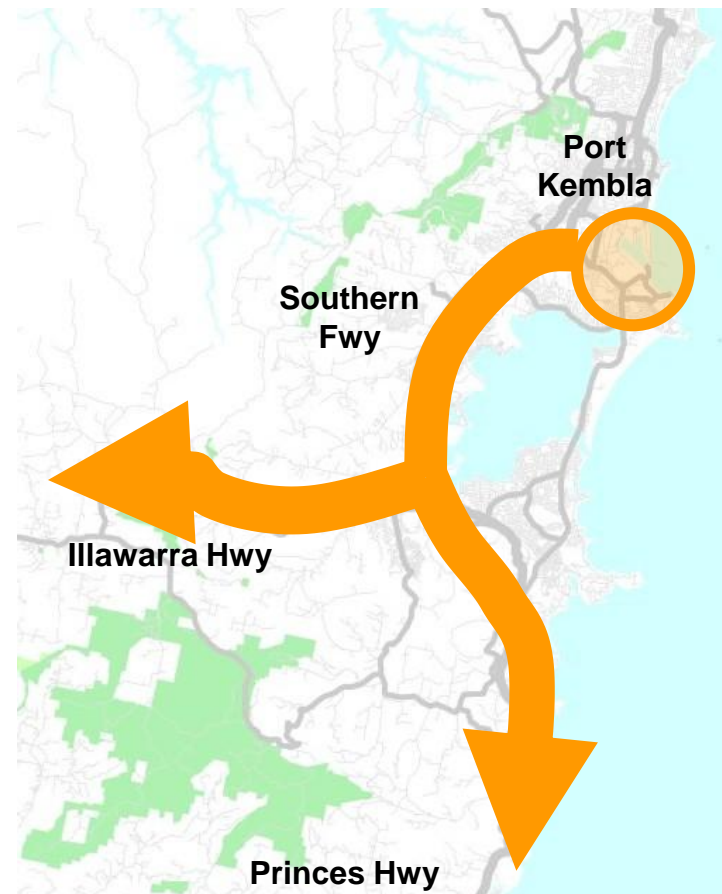


# Port Kembla to South Coast & Southern Highlands

## Road Safety:

- 2005 – 2007
- Fatalities
- Casualties
- Casualty Crash Rate

Present



# Notes on Forecasting

## Historical Data

- Useful in absence of network modelling
- Limited in terms of confidence

## Network Modelling – TRACKS

- Impacts of land use change
- Key infrastructure improvements



- Continue to liaise with PKPC to plan for impact of Port expansion
  - Test future land use scenarios in TRACKS to assist planning
  - Preserve and maintain the long term strategy for the Sydney to Wollongong corridor
  - Enhance the ability for heavy vehicle inspection along the corridor
  - Deliver interim projects aimed at improving road safety and traffic efficiency
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