Network Operation Planning

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Cost of congestion to rise from $3b to $8b

Public transport usage is low (8%)

Vehicle occupancy is low (1.2)

30-40% growth in the freight task by 2015

Competing Demands
Arterials 2003 – Seasonal Variation in Average Weekday Traffic

The Challenge

School Holidays
Strategies to Manage Congestion

- Improve the reliability and flow of public transport
- Make existing roads operate better
- Sustainable travel through better demand management
Guiding Principles

- Public transport priority on PPTN
- Freight access across arterial network
- Avoid conflicts with abutting land use
- Improve traffic flow in and around activity centres
- Promote non-motorised modes of transport
Network Operations – Principles into Action

Operating Principles

Road Use Priority Map
- AM peak
- High off-peak
- PM peak
- Off-peak

Time-of-day Priority Maps

Gaps in Performance

Operational Performance Measures

Operating Plans
- Access Management
- Signal Operation
- Parking Management
- Lane Management
- Event Management
- Road User Info
Application of Principles

- Preferred Traffic Route
- Strip Shopping
- Pedestrian Priority
- Activity Centre
- Tram Priority
Network Operations – Principles into Action

Operating Principles

Road Use Priority Map

Time-of-day Priority Maps
  - AM peak
  - High off-peak
  - PM peak
  - Off-peak

Gaps in Performance

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  - Signal Operation
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  - Road User Info
Network Performance
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Time-of-day Priority Maps

Gaps in Performance

Operational Performance Measures

Operating Plans
- Access Management
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- Road User Info
Operational Changes

Lane management
Operational Changes

- Lane management
- Parking management
Operational Changes

- Lane management
- Parking management
- Signal operation
Operational Changes

- Lane management
- Parking management
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- Access management
Operational Changes

- Lane management
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