A Bright Future for Roads and Sustainability

Emerging issues for Road Construction & Maintenance - A Futuristic View
Emerging Issues for Road Construction and Maintenance – A Futuristic View

Key Messages

1. emerging issues for roads

2. second generation of environmental reporting

3. changes to business as usual
Emerging Issues for Road Construction and Maintenance – A Futuristic View

800,000kms
Emerging Issues for Road Construction and Maintenance – A Futuristic View

Build your way out of congestion?
Future Pressures – Emerging Issues

- Climate change
- Oil Price
- Community action
- Resource access and scarcity
- Population
- Road freight increase
- Maintenance costs
- Skills shortage
- Water scarcity
- Carbon price
- Rapid urbanisation and densification
- Extreme weather events

Workshop 2011 WA and QLD
Emerging Issues for Road Construction and Maintenance – A Futuristic View

Inherent Efficiency of Road Construction
Inherent Efficiency of Road Construction

- balancing earthworks
- stabilising aids to adapt local marginal material
- local environment managed and revegetated
- road water runoff capture and treatment
- optimising pavement thickness for conditions and loads
- effective scheduling of associated capital expenditure and rapid delivery
Research Program 1: Greening the Built Environment

1-1 Performance of Green Buildings
1-3 The Future of Roads
1-5 Biophilic Urbanism
The Road Ahead -
The will be changes to business as usual.