

BROADLEAF CAPITAL INTERNATIONAL PTY LTD

ABN 24 054 021 117

23 Bettowind Road
Pymble
NSW 2073
Australia

www.Broadleaf.com.au

Tel: +61 2 9488 8477
Mobile: +61 4 1943 3184
Fax: + 61 2 9488 9685
Cooper@Broadleaf.com.au

Specialists in Strategic and Project Risk Management

ACTIVITIES IN THE TRANSPORT SECTOR

Broadleaf has undertaken numerous risk assessments for transport activities, primarily associated with road and rail.

Strategy

We have undertaken an organisational level risk assessment of the Strategic Management Plan for the executive management team of a Government Department with a broad transport portfolio. This was followed by a review of the strategic risks for the Department and its risk management processes and culture.

Road

- Qualitative and quantitative risk assessment for an urban freeway construction contract
- Cost estimate risk analysis for a major urban road and tunnel infrastructure project
- Risk Management Plan for a semi-urban highway bypass
- Risk review of the feasibility of a long-distance toll highway concept
- Risk assessment of the reliability, safety and effectiveness of an opening commuter road bridge
- Review of road pavement testing procedures
- Risk assessment of policy issues associated with coin-operated breath-testing devices
- Risk assessment for a multi-contract high-technology heavy vehicle surveillance, management and safety system
- Risks associated with a bid for a rural highway maintenance contract
- Risk assessment of a highway interchange construction project
- Risk assessment of policy issues associated with the introduction of vehicle emissions testing
- Risk management training, associated with a highway bridge replacement.

Rail

Dr Dale Cooper is currently an independent member of the Board Finance and Audit Committee of the Transport Infrastructure Development Corporation (formerly the Parramatta Rail Link Corporation).

Other rail activities include:

- Risk assessment and development of management action plans associated with all aspects of the introduction of a new track possessions regime for New South Wales
- Risk review of crew controls and training in the SRA Millennium Train
- Review of acquisition and contracting options for a large new urban railway
- Risk assessment of a large rail and passenger transport terminus development, with associated value management activities
- Risk assessments for bids for railway line, signal and infrastructure maintenance contracts
- Quantitative risk analysis of the capital works budget for an urban passenger rail system

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- Quantitative risk analysis of the revenue budget for a regional rail freight system
 - Qualitative risk assessment for a rail turnback project
 - Qualitative risk assessment for a proposed Darwin-Adelaide railway
 - Risk analysis for a project to install communication radios in long-distance rural trains
 - Analysis of the risks associated with the use of new bogies and their potential for causing derailments
 - Analysis of the risks and benefits associated with the use of chocks to ensure rolling stock is adequately secured
 - Value management for an automatic freight train inspection station
 - Risk assessment of a locomotive PLC-based fuel management platform.

A number of risk assessments have been performed for a heavy haul railway. This work succeeded in bringing together in the one forum all the stakeholders and facilitated the discussion of differing viewpoints with an unbiased chairperson. Topics covered included increasing axle loads, use of electronically-controlled pneumatic brakes, single person driving and use of locomotives with a new design.

Integrated Ticketing

- Risk assessment of the NSW integrated ticketing project, for pre-contract structuring and post-contract management
- Risk assessment and development of a procurement strategy for the Victorian integrated ticketing project

Other Transport Activities

- Risk assessment of the runway extension for the Adelaide International Airport

Examples of Our Clients

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| – Barclay Mowlem Construction | – NSW Department of Transport |
| – Baulderstone Hornibrook Engineering | – NSW Roads and Traffic Authority |
| – BHP Engineering | – NSW Rail Infrastructure Corporation |
| – BHP Iron Ore | – NSW Railway Services Authority |
| – BHP Steel | – NSW State Rail Authority |
| – Brown and Root | – NSW Treasury |
| – Channel Tunnel Group | – Parramatta Rail Link |
| – Chart Roads Consortium | – Queensland Rail |
| – FreightCorp | – Rail Infrastructure Alliance |
| – Gutteridge Haskins and Davey | – SA Department of Transport |
| – John Holland Construction and Engineering | – Telstra Applied Technologies |
| – Macmahon Contractors | – Thiess Contractors |
| | – Victorian Passenger Transport Corporation |

Contacts

Dr Dale F Cooper
Cooper@Broadleaf.com.au

Dr Stephen Grey
Grey@Broadleaf.com.au

Pauline Bosnich
Bosnich@Broadleaf.com.au