



PHILLIP IMRIE

MANAGING DIRECTOR

QUALIFICATIONS

Bachelor of Engineering (with Honours Class I Civil)
University of Technology,
Sydney

Master of Business
Administration (Technology
Management), Deakin
University

Internal Auditor Training (QAS)

Remote Pilot Licence

Various Safeworking
Qualifications for NSW,
Victoria, South Australia and
Northern Territory

Electrical Permit Holders
Course (non electrical staff),
Australian Rail Training

KEY SKILLS & EXPERIENCE

Railway Service Capacity
Assessment and Design

Management System
Development and
Implementation

Asset Renewal and Investment
Program Development

Track and Civil Infrastructure
Asset Condition Assessment

Estimating and Railway Cost
Modelling

Business and Project
Management

PROFESSIONAL EXPERIENCE

Plateway Pty Ltd, Sydney (1997—Present)

Phillip has over 35 years of railway industry experience. Prior to founding Plateway in 1997, he held senior positions within the NSW Rail Industry including Trackwork Renewals Manager for RSA. During his time at Plateway he has been Infrastructure Manager for Freight Australia managing the Victorian Intrastate Regional Rail Network and FreightCorp's facilities and sidings. Phillip has developed and implemented Asset Management, Quality and Rail Safety Management systems for GRA, ADrail, ABB, SSRS, COPL, CMPL, Freight Australia and FreightRail.

He has also undertaken railway capital and operating cost modelling for infrastructure and above rail components in a variety of applications ranging from new maintenance structures at Leigh Creek, Victorian Country Rail Network, Works Infrastructure Bids for RFR and NZ Maintenance as well as total system assessments for Boral, GRA and CSR. Phillip has extensive experience in the configuration and analysis of rail transport network simulations covering work in South Africa (Natcor, Orex and H2NS), Melbourne, Adelaide, Brisbane, and Auckland.

PUBLISHED PAPERS

- PWI NSW 31/10/16 Cobar Private Rail Network Long Term Performance of a Pioneering Track Structure. P.Imrie (Principal, Plateway), J. Fallico (Project Engineer, Plateway)
- CORE 2014 Productivity Goals – The Next Steps Phillip Imrie
- OpenTrack User Workshops ([View Here](#))
- NEXT Rail 19 Freight Marshalling Yard Operations Using OpenTrack
- NEXT Rail 17 Advanced Freight Train Simulation
- IT15 Rail Simulation of Large Freight Networks
- IT10 Recent Australian OpenTrack Projects (Melbourne Port Precinct, Adelaide Trams)
- IT08 Modelling of Service Reliability Using OpenTrack (Freight Services across the Trans Australian Line)

Professional Memberships, Registrations & Appointments

- Member, Institution of Engineers, Australia
- Member, Permanent Way Institution
- Member, American Railway Engineering and Maintenance of Way Association (AREMA)
- RPEng
- Registered Professional Engineer Queensland Number 21784

CONTACT DETAILS

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PROJECT EXPERIENCE

Plateway Pty Ltd, Sydney, Australia

Managing director

November 1997 – Present

In addition to the day to day management of the Plateway business which has grown to having an international presence and a staff of around 15. Phillip has delivered a wide range of consulting assignments including:

- Management of Infrastructure Maintenance Function for FreightCorp throughout NSW, the Cobar Private Branch Line for CSA Glencore and CBH, Auscott's sidings at Warren and Narrabri and GRA's facilities at Thevenard and Kevin. Including Technical Standards Development and Assessment and integration with the Asset Management and Rail Safety Management System.
- Rail Infrastructure asset condition assessment of the NSW Grain network and Bluescope Steel Network for Pacific National, Liberty Steel network at Whyalla for G&WA.
- Operational performance simulation and assessment using OpenTrack on a wide variety of projects and clients including ACIL Tasman, Boral, CSR, Hyder, Pacific National, V/Line, Vic DoT, DTEI SA, ARTA, ONTRACK, Calibre Rail, QR, Transport for NSW, Hatch, Transnet and SKM.
- Suburban Railway (metro) performance simulation and assessment using OpenTrack for the Auckland Electrification Project (2006-2012), Beerburrum to Nambour Upgrade Business Case Development (2016), Power Supply Systems Capability Analysis Queensland Rail (2012), Wellington Third Track (2010), and Adelaide Suburban Rail Network Timetables and Electrification (2002-2009).
- Rail logistics options assessment including freight train cycle time assessment and simulation for CSR, CSA Glencore, GRA, Boral (Sydney Hard Rock Project), Glencore Grain, Hume Coal Project, Delta Electricity Mt Piper Power Station Upgrade and Sims Metal.
- Capacity analysis and simulation to support master planning for the freight rail traffic flows in the Dynon Port Precinct in Melbourne, the Maldon to Dombarton Rail Link, the Manganese traffic flows Hotazel to Port Elizabeth and the Natcor corridor Kimberly –Johannesburg - Durban.
- Reliability assessments and simulations of the Trans Australian Line for Pacific National and the 320 MGT pa Throughput Project for Rio Tinto.
- Rail Terminal developments for Victorian Department of Transport, ITS, Wagga Wagga City Council and Casino Rail Freight Terminal.
- Performing Economic evaluation and project benefit quantification of Auslink project proposals for Pacific National, Victorian DoT and DTEI.
- Achieving accreditation for ABB management system to AS4292 Railway Safety Management in Victoria and South Australia. Assisted in obtaining accreditation for ADrail in the Northern Territory. Development of commissioning plan for ADrail.
- Rail safety management support for Boral, Cobar Private Rail Network, GRA and Auscott.
- Carrying out due diligence including analysis of existing contract performance, infrastructure evaluation, and condition assessment for Freight Australia bid for Westrail Freight, G&W's acquisition of Freightlink, Vail Resorts Acquisition of Skitube.
- Reviewing of Queensland and Hunter Valley Rail Asset Valuation for Freightcorp and provision of advice on access contract strategies and development of Key Performance Indicators.
- Preparing major tender bids and development of strategies for Railway Maintenance work in N.S.W. RAC Hunter Valley Bid, Victoria V/Line Freight and Met Privatisation and South Australia Leigh Ck Line Maintenance for EDI, in New Zealand as part of the Tranzrail Outsourcing Project.
- Performing the role of Infrastructure Maintenance Manager for FreightCorp including acting as Client's Representative for the maintenance contract with John Holland.
- Infrastructure Manager for Freight Australia (2003- 2005) managing 4200kilometres of leased rail network and the maintenance contract with Works Infrastructure.
- Reviewing external party works including the Regional Fast Rail project and CPRS projects scope, design and execution on behalf of Freight Australia.

PAST

ABB, MELBOURNE, Australia

Operations Manager, Rail Maintenance Divison

May 1999 – October 1999

Manage day-to-day operations of three large railway maintenance contracts total turnover of approximately \$40 million per annum including customer interface, staff and equipment resources, contract administration.

Manage cultural transition of employees transferred from PTCV to the new enterprise. Manage bid preparation and development of strategies for Railway Maintenance work in N.S.W., Victoria and South Australia. Establish Management Framework for Railway Projects including cost control, asset management and renewals work scope determination.

Rail Services Authority of NSW (RSA), Sydney, Australia

Track Renewals Unit Manager

1996 – 1997

- Establish unit structure and develop strategies to lead the unit into greater commercialisation and competitiveness.
- Prepare and monitor unit budget including determining appropriate charge out rates for plant, people and overheads, forecast revenue and expenditure cash flows.
- Personnel management and supervision including recruitment, performance management, industrial relations and staff development.
- Implement and expand unit management systems covering financial / contract management, quality management, OHS&R Management, environmental and rail safety management. Act as project director to review project managers' performance, project progress and liaise with customers. Improve the performance of unit work processes in terms of output and safety. Prepare and review bids for external tenders.
- Managed delivery of major upgrading projects including Cobar line re-railing and re-sleepering, Wee Waa - Burren Junction upgrade, Naradhan line re-railing.

State Rail Authority of NSW, FreightRail, Sydney, Australia

Programme Engineer

1994 – 1996

- Manage operation of unit including personnel, logistics, wagon and plant fleet and budget.
- Project management of statewide rail renewal program worth \$11 million per annum.
- Provide technical advice on the management of the rail asset statewide.
- Improve re-railing and Welded Rail Delivery Work Process.
- Manage capital investment program (\$2 million per annum) for plant acquisition and wagon refurbishment, including contract administration and tender evaluation. Established and implemented a Business Management System which was Quality Assured to ISO 9001. Introduced improved processes such as the increase in welded rail length from 110 to 250 metres which resulted in a saving of over 30% of installation costs.
- Reduced the time lost due to injury by over 50 % through the introduction of an Occupational Health and Safety Management System and Rehabilitation program.
- Removed restrictive work practices through a participative process with staff and unions saving at least 20,000 man hours per annum.
- Renewed over 240 track kilometres of rail in 94/95 with no additional labour or plant resources (an increase in over 30% on the previous year).
- Introduced a team Cost Control System to track Project Costs and Output.

State Rail Authority of NSW, Cityrail, Sydney, Australia

Works Engineer, Hornsby

1991 – 1994

Responsible for the management and delivery of an annual program of works valued between \$10 and \$15 million per annum covering drainage, earthworks and trackworks executed primarily by contract including assessing work scope required, management of design, tender document preparation, evaluation, contract management, scheduling works, program, site supervision.

Project Engineer

1989 – 1991

Responsible for \$2million per annum drainage and earthworks upgrade program.