



KEN BAYLISS

Senior Associate



CAREER OVERVIEW

Ken has over 50 years experience covering all aspects of civil and construction estimating, project management, contract administration and quantity surveying, encompassing major minerals, rail, road, infrastructure, technology and commercial building projects in Australia and overseas including very large multi-disciplinary projects with values in excess of eight billion AU\$.

BENEFITS KEN PROVIDES TO CLIENTS

Reliable estimates – Management and development of comprehensive and robust cost estimates to various classes in accordance with best practice industry standards, such as AACE.

Investment confidence – Through peer review and expert appraisal, confirming that a robust and transparent cost estimation process has been undertaken.

Project Management and Delivery – expertise in the development and implementation of construction methodologies and risk management that ensure overall project and commercial objectives are met.

Technical Knowledge - Sound technical knowledge of heavy urban transport projects, bulk water supply and resources projects. Development of practical and well-considered construction methodology and sequencing that informs the cost estimate development

OVERVIEW OF RELEVANT EXPERIENCE

Ken has extensive first principle estimating experience in both tendering and consulting environments for Owners, construction contractors and EPCM consultants, developing labour, plant and equipment rates for road, rail, earthworks and bridges including equipment selection, mass haul, cycle times and haul distances (cut - fill), water sourcing/drilling, dam construction, fuel consumption and temporary storage, drilling and blasting, equipment purchasing and maintenance.

Ken's experience includes onsite camp construction, operating costs and infrastructure, road and rail construction including local and international (Greenfield and Brownfield) sourcing of all materials, labour and equipment including piling, precast concrete components, rail, turnouts, signalling, signage, rolling stock etc... ballast quarry establishment and distribution, sleeper manufacturing, tracklaying, operating and maintenance, road and rail bridge construction including road over rail, rail over rail, road and rail over water and marine environments.

EXPERTISE AREAS

- Business Case and Project Studies
- Project Tendering
- Estimating - Estimate Management
- Independent Peer Review
- Railways
- Roads, Railways, Dams
- Roads, Railways, Dams
- Railways, Ports

BRISBANE BASED

PROFESSIONAL QUALIFICATIONS

- Diploma of Building and Quantity Surveying - RMIT, Melbourne

ACCREDITATIONS/ CERTIFICATION

- Carpentry and Joinery Apprenticeship, Building Technicians Certificate - Caulfield Technical College

CAREER HISTORY

- Currie & Brown - Management and Contract Engineering Services
- John Holland Construction – Estimating, Cost Planning and Project Management
- Jennings Industries - Southgate Project: Estimator/Cost Planner
- WT Partnership Quantity Surveyors Associate Director
- Dillingham Constructions Pty Ltd - Senior Estimator and Quantity Surveyor
- Van Driel Pty Ltd - Construction Foreman, Project Manager
- Thurlow Lucas and Jane (London)

SELECTED KEY EXPERIENCE

Lead estimator with *Regionerate* Joint Venture for ARTC Inland Rail Project (Gowrie to Kagaru Qld)

Design and Construct tender submission encompassing major Greenfield and Brownfield works including earthworks, drainage, roadworks, bridge construction, cut and cover tunnelling, major landscaping and environmental works, communications, signals and tracklaying.

Lead estimator for Burdekin Falls Dam Major Upgrade

Lead Estimator for Burdekin Falls Dam (North Queensland) major upgrade works for Sunwater including spillway raising, earthworks, specialist services, temporary works and camp construction.

Lead estimator with Unity Joint Venture for Cross River Rail Project (Brisbane) Rail Integration Systems (RIS)

Successful tender submission encompassing major Brownfield works including earthworks, drainage, roadworks, bridge construction, main power supply, HV/LV overhead and traction power, communications, signals and tracklaying.

Lead estimator for Cultana Pumped Hydro Energy Project

Tender submission encompassing major civil works, dam construction, underground power station, penstock piping, temporary roads and services, overhead power supply, environmental controls and associated works, together with desalination plant intake structure, including on-shore processing buildings and pipeline facilities, utility services, communications and marine infrastructure on the Spencer Gulf in South Australia

Lead estimator for West Pilbara Infrastructure Project

Preparation of definitive estimates for proposed multi-user railway and port facility at Anketell Point W.A. including major earthworks, drainage, roadworks, bridge construction and tracklaying. in

association with Calibre Global for and on behalf of API Joint Venture and its associated local and overseas project partners.

Lead estimator for National Trunk Railway (NTR) c.o. proposed inland railway linking the Port of Melbourne with the Port of Brisbane

Scope of work included major earthworks, roads, drainage, bridge construction and tracklaying.

On-site Contracts Manager Project Administrator and Estimator during construction of Oz Mineral's Carrapateena Gold and Copper Mine in South Australia

Lead estimator for track duplication of major heavy haul railway (10 Brownfield Stages) in Pilbara W.A. for FMG

Scope of work included rail embankment earthworks, drainage, access roads, bridge construction, tracklaying and logistics planning.

Lead estimator for proposed heavy haul railway (4 Options) in South Australia for OZ Minerals c.o.

Major earthworks, drainage, roadworks, bridge construction and tracklaying.

Lead estimator with Fulton Hogan Sydney

Preparation of the successful Design and Construct tender submission for the Berry Bypass project for NSW Roads and Marine Services c.o. extensive earthworks, drainage, road construction and major bridge works.

Adani Carmichael Coal Project - Bowen Basin Queensland

Definitive Feasibility Study estimate comprising 200km of railway, 17 bridges (20m - 360m in length c.o. rail over rail, road over rail, rail over

water) together with major earthworks, drainage, road construction and associated civil and environmental works

Thiess John Holland Joint Venture - Budget and Risk Manager Eastlink Motorway Project (Melbourne)

Responsible for management of the project budget, its allocation to regional cost centres, including both direct and indirect labour, plant and equipment, subcontracted work sections, together with a monthly commercial assessment, review and valuation of the project's costs and risks for presentation to the joint venture board.

Roche JR - Contract Administration/Cost Planning and Para-legal services for Iluka Resources Mineral Sands Mining Project - Hamilton Victoria.

Contract position with Calibre Global/Rail group within the EPCM Project Controls Management Team as Lead Estimator

With primary responsibility for preparing detailed feasibility, pre-tender, and tender estimates for major heavy haul rail infrastructure projects within Australia and overseas for iron ore and coal mining companies including BHP Billiton, Fortescue Metals Group, Brockman Resources, Atlas Mining, Hancock Coal, Rio Tinto, Sundance Resources, Vale, Xstrata and QR National. This work included preparation of first principles estimates for earthworks, drainage, roadworks, bridge construction, track laying, on-site sleeper production, construction camps, administration offices, rail maintenance facilities, signals, and communications together with the EPCM administration associated with the project's on-site construction and implementation.

Fortescue Metals Group - Pilbara W.A.

EPCM Contract including preparation of detailed tender estimate for Mainline Capacity Upgrade (T155 Project), comprising duplication of the existing FMG Mainline (Brownfield) and the Solomon Link (Greenfield) single line extension, a total of 330km of new railway, including earthworks, and drainage, 2 major dual

carriageway road over rail bridges and 6 rail over rail or rail over water bridges in both greenfield and brownfield environments, civil and environmental works, together with maintenance infrastructure/buildings. Project implementation included: tendering and procurement, contract administration and management, monthly budget control, earned value and cash flow reporting, construction schedule, resource usage and monitoring, cost and schedule risk analysis, evaluating variation claims and extensions of time, contract close out.

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Hancock Coal - Alpha Coal - Bowen Basin North Queensland

Detailed Bankable Feasibility Study comprising 564km of railway, 27 bridges (rail over rail, road over rail, rail over water) and earthworks together with associated drainage, civil works infrastructure and buildings.

Fluor Australia site-based Contract Manager/Superintendent on the OzMinerals gold and copper mine at Prominent Hill South Australia

Responsible for a team of eight administrators and two secretaries managing all construction contracts, material supply budgets, cost to complete forecasts and contract administration aspects of the project.

Sundance Resources - Mbalam Iron Ore Project – Cameroon

Preparation of a detailed feasibility study and international tender procurement for a 556km road and rail link from the Mbalam mine site to a new port south of Kribi on the Atlantic ocean: scope of work included materials offloading facility/wharf, rain forest clearing, earthworks, drainage, 12 major road/rail bridges over water, in-country precast sleeper and bridge beam manufacturing facility together with construction

camps, associated civil works, temporary and permanent roads, environmental works, buildings and community services.

Rio Tinto - Simandou Rail Study – Guinea

Encompassing six options for the proposed 450Km railway link from the mine site in Guinea through Liberia to a new port adjacent to Buchanan on the Atlantic Ocean and further options for a proposed 750Km railway within Guinea including major earthworks, tunnels, road and rail bridges, tracklaying and maintenance infrastructure.

Worley Parsons - Saudi Arabia Principal Estimator

Preparing the successful international tender for the design and construction of the 'Landbridge' major rail infrastructure project in Saudi Arabia incorporating substantial earthworks, 1,500Km of new railway, 1,000Km of refurbished railway, 7 Km of tunnels, 241 road, rail and camel bridges together with associated civil, environmental and seaport works.

Current Software skills

Include: Expert Estimation, CATS, Quest, Estimator II, Microsoft Project, Primavera, MS Word, XL and PowerPoint.

Other Professional Background and Experience:

- Currie & Brown - Management and Contract Engineering Services
- John Holland Construction - Estimating and Project Management
- John Holland Construction - Estimating and Cost Planning Manager
- Jennings Industries - Southgate Project: Estimator/Cost Planner
- WT Partnership Quantity Surveyors - Associate Director
- Dillingham Constructions Pty Ltd - Senior Estimator and Quantity Surveyor
- Van Driel Pty Ltd - Construction Foreman, Project Manager
- Thurlow Lucas and Jane (London) - Preparation of documentation