



Craig Thompson
Managing Director
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Qualifications

BE (Civil), MIEAust, CPEng,
NER, RPEQ

Senior Road Safety Auditor
(TMR approved)

Safe System Assessor

Affiliations

Engineers Australia
IPWEAQ
Transport Professionals
Association

Summary of Experience

Craig has over 42 years' experience in the planning and design of infrastructure projects, gained by working in Australia and New Zealand. The last 21 years has included specialisation in traffic and transport projects.

Key Skills include:

- Planning and Design of Transport Infrastructure
- Traffic Impact Assessment
- Walk and Cycle Planning and Design
- Development Assessment

Signature Projects:

Urraween Road/Lower Mountain Road - Preliminary Design

Project management, traffic impact assessment, reporting and design verification for an alternative east-west corridor in the western suburbs of Hervey Bay.

Chapel Road, Maggs Hill Road, Madsen Road and Main Street Corridor Planning –

Project management, traffic impact assessment, design verification and reporting for the upgrade of existing roads servicing the emerging community area at Nikenbah. This project guides future development of the suburb including external road upgrades, access locations and intersection treatments.

Toowoomba Regional Council Development Assessment. – Provision of consultancy services to the Development Services Branch. Tasks included the engineering assessment of MCU, RAL and OW development applications, preparation of information requests, preparation of decision notices, negotiation of development outcomes, and preparation of technical reports including traffic assessments.

Cycling Program Assessment – Technical Assessor for the Cycle Network Local Government Grants Program including application assessment, design review, project completion and weekly meetings with TMR.

Bundaberg Athletic Facility – Project management and technical input into the development of a regional athletics facility at the Kensington Super Park Bundaberg. The scope of work included track, field, club house, lighting, services, access roads and parking. A multi-disciplinary team of consultants needed to be managed.

Gladstone LNG Project (Santos) – Project management and technical review of the traffic and transport impact assessment component of an EIA for a major mining operation involving the capture of coal seam gas from the Surat and Bowen Basin gas fields, transport to Gladstone, and processing prior to export.

Brisbane – South Bank Redevelopment – Project management of the preliminary and final design associated with the realignment of Grey Street within the South Bank Precinct. Part of a multi-disciplinary team of consultants that took the project from master plan to final design.

PLANNING AND DESIGN OF INFRASTRUCTURE PROJECTS

Key projects include:

Old Maryborough Road Upgrade – Concept Design

Project management, traffic impact assessment, reporting and design verification for mid-block upgrades and intersection treatments for an urban distributor road also serving as an active transport corridor. The design included horizontal and vertical alignment, intersection design, and stormwater.

Urraween Road/Lower Mountain Road Concept Design

Project management, traffic impact assessment, reporting and design verification for road upgrades and intersection treatments for an alternative east-west corridor in western Hervey Bay, including horizontal and vertical alignment, walk and cycle infrastructure, intersection design, and stormwater.

Tinnabar Road Design - Project management, design verification and reporting for 3.6km of rural road seal extension

Esplanade Concept Plans - Project management, traffic impact assessment for future development, design verification and reporting for the upgrade of the Esplanade at Urangan Hervey Bay including horizontal and vertical alignment, intersection design, walk and cycle infrastructure and stormwater

Chapel Road/Maggs Hill Road/Main Street/Madsen Road - Concept Plans– Project management, traffic impact assessment, reporting and design verification for road upgrades and intersection treatments for the emerging community at Nikenbah, including horizontal and vertical alignment, intersection design, and stormwater.

Boundary Road Upgrade – Concept Plans – Project management, traffic impact assessment, design verification for the duplication of Boundary Road including horizontal and vertical alignment, intersection design, and stormwater.

Chardon Bridge Road – New Bridge Approaches – Project management, design verification and preparation of a design report for a bridge due for replacement. The bridge alignment was raised to improve flood immunity requiring option analysis of vertical and horizontal alignment and final design of the preferred solution.

Bundaberg Athletic Facility – Project management and technical input into the development of a regional athletics facility at the Kensington Super Park Bundaberg. The scope of work included track, field, club house, lighting, services, access roads and parking. A multi-disciplinary team of consultants needed to be managed.

Colton Mine Intersection and Access Road – Project management, design review, technical input, tender documentation for an intersection upgrade on the Bruce Highway and 2 km of access road for a new mine proposed at Colton north of Maryborough.

Colton Mine Industrial Area – Project management and technical input into the design of light vehicle roads, haul roads, office, workshop and wash down facilities for the proposed Colton Mine. A multi-disciplinary team of consultants needed to be managed.

Bargara – Hughes Road Extension – Preliminary design for a new distributor road serving the western extents of Bargara. Project management technical input and design verification.

Hervey Bay – Main Street Upgrade – Project management and design verification of the design of an urban arterial road upgrade including duplication. Assessment of the traffic impacts of road closure during construction.

Isis Highway (Ban Ban Springs) – Project management and documentation relating to a 1.5km pavement rehabilitation project.

South Burnett - Bridge Replacement Projects – Project management of the preparation of business cases for three (3) state bridge replacement projects

Maryborough - lindah Road Intersection Improvements – Preparation of a business case, project management of preliminary and final design for a state road intersection upgrade at Gympie Road/lindah Road.



Kingaroy - Intersection Improvements – Preparation of scheme assessments including road safety audit, crash analysis, performance analysis, determination of options and estimates for 3 major state/local road intersections.

Brisbane - South Bank Redevelopment - Project management of the preliminary and final design associated with the realignment of Grey Street within the South Bank Precinct.

Brisbane - South East Transit Project - Assessment of impact of busway and transit lanes on ramp interchanges

TRAFFIC IMPACT ASSESSMENT

Preparation of over fifty (50) traffic impact assessments for new developments throughout Queensland. These typically include assessment of vehicular impacts, car parking requirements, heavy vehicle impacts and walk and cycle provision. Development types included mines, retail, schools, office, industrial, hospitals, low/medium/high density residential, sports facilities, rural residential, airports and markets.

Key projects include:

Meringandan West – Traffic Impact Assessment looking at the cumulative impact of three development sites within an emerging community area. Preparation of a technical report to support an extra payment development condition.

Bundaberg Retirement Village – Traffic Impact Assessment for a retirement village in Bundaberg North including the negotiation of access outcomes with SARA

Fernleigh Development – Traffic Impact Assessment for a 1000 lot development outside the Priority Infrastructure Area at Westbrook Toowoomba. Preparation of a technical report to support extra payment development conditions.

Gin Gin Quarry - Pavement impact assessment for an expansion of an existing mine from 50,000tpa to 250,000 tpa. The assessment was required for both the local and state road network serving the quarry.

Wide Bay Motor Complex – First principles assessment of traffic generation from a multi-purpose motor sports facility and subsequent traffic impact analysis. Event management was used as one means of impact mitigation.

Hervey Bay - Splash Bay Water Park – First principles assessment of traffic generation and parking demand for a regional theme park. Assessment of road network impacts. Sensitivity analysis.

Benaraby Regional Landfill – Assessment of intersection capacity and pavement impacts for doubling the use of the existing landfill site.

Colton Mine – Maryborough - Traffic Impact Assessment for the extraction of coal from a new mine at Colton including negotiation of outcomes with TMR.

Gladstone LNG Project (Santos) – Project management and technical review of the traffic and transport impact assessment component of an EIA for a \$16B major mining and export operation involving the capture of coal seam gas from the Surat and Bowen Basin gas fields, transport to Gladstone via a 425km pipeline and processing into liquefied natural gas at Curtis Island prior to export. Transport impacts including intersection operation, mid-block capacity and pavement impacts were evaluated.

Mackay – Northern Beaches Shopping Centre – Masterplan advice, project management and technical input to a traffic impact assessment for a 42,000m² shopping centre expansion.

Brisbane - Queensland Children's Hospital – Project management and technical input into the schematic design and analysis of access options for a new hospital at South Brisbane.

Brisbane – Somerville House – Project management of a traffic impact assessment for expansion of the school and in recognition of adjacent development proposals at Queensland's Children's Hospital.

Hervey Bay - Urangan Boat Harbour Redevelopment – Preliminary assessment of traffic impacts for a master-planned redevelopment and expansion of the Urangan Boat Harbour.



WALK AND CYCLE PLANNING AND DESIGN

Key projects include:

Links Corridor Intersection Design (4 Projects) – Design verification and reporting for the detailed design of ten Links Corridor intersections as wombat crossings or refuges.

Sempfs Road Shared Path – Option analysis and design verification for the detailed design of 2km of shared path including seven road crossings.

Links Corridor Intersections – Option analysis and reporting associated with 13 road crossings of the Links Corridor Hervey Bay including assessment of what sites could be converted to raised priority crossings.

Elizabeth Street Links Corridor Intersection – Options analysis and design verification for the detailed design of a signalised intersection including a raised platform (safe system treatment).

Ann Street Raised Priority Crossing – Traffic assessment and design verification of the detailed design for a raised priority crossing for the Links Corridor at Ann Street Hervey Bay, including SIDRA analysis to determine the separation to the adjacent intersection. This project included post construction monitoring.

Cycling Program Assessment – Technical Assessor for the Cycle Network Local Government Grants Program including application assessment, design review, project completion and weekly meetings with TMR.

Boundary Road Extension - Design review of the walk and cycle components for a new arterial road including a safe system review for vulnerable users.

Bundaberg Pathways – Project management and design verification relating to the design of pedestrian crossings at street intersections in Bundaberg.

Fraser Coast Principal Cycle Network – Conceptual design of high priority cycle routes in Hervey Bay and Maryborough

On-road Safety Improvements for Cyclists – The Esplanade – Planning and design work relating to improving safety for cyclists on The Esplanade Hervey Bay. This included the provision of bike lanes by reallocation of parking space, use of bicycle awareness zone (BAZ) treatments, and reduction of speed from 50 to 40km/h in selected locations.

Narrabri Walk and Cycle Plan – Census analysis, PAMP surveys, preparation of cost estimates and design verification of reports.

Active Transport to Schools – Assisting 3 Fraser Coast schools develop and implement Active Transport to School Plans.

Road System Elements 12 and 14 – Preparation and prioritization of a 5-year program of works for pedestrian and cycle projects on Queensland state roads.

Far North Queensland – Principal Cycle Network – Concept design for ten (10) cycling infrastructure projects on the Principal Cycle Network, within Far North Queensland.

Fraser Coast - Mary to Bay Rail Trail – Project management and technical input into a feasibility study of the development of a rail trail for pedestrians, cyclists and horse riders along a disused rail corridor

Hervey Bay Links Corridor - Project management and technical input for the planning and design of a mobility corridor to connect Urraween to Urangan.

Hervey Bay Living Streets Strategy (Walk and Cycle Plan). - Project management and technical advice provided on how to improve pedestrian and cycle amenity using both infrastructure and non-infrastructure strategies.

CORRIDOR STUDIES, TRAFFIC STUDIES, SCHEME ASSESSMENT, ROAD SAFETY AUDIT

Key projects include:

Road Safety Audit –Forty-seven (47) audits have been completed within the last 28 years for state and local government.



Bundaberg Black Spot Program – Safe System Assessment, conceptual design and black spot submission for three projects

River Heads Corridor Assessment – Determine the best way to connect existing and undeveloped areas at River Heads to River Heads Road in terms of intersection number, type and location recognising the hierarchy of River Heads Road and internal streets.

Urraween-Boundary Road Extension – Safe System Assessment for a major road link connecting the southern suburbs of Hervey Bay.

Bundaberg – George Street/Walla Street Crash Reduction Study– Road Safety Audit with preliminary investigation and development of a solution to address crashes at a roundabout.

Bundaberg – Bourbong Street/Walla Street Crash Reduction Study – Road Safety Audit with investigation and development of a solution to address crashes at a roundabout.

Bundaberg – Bundaberg Ring Road Intersection - Preparation of a business case and preliminary design for a tee intersection connection to adjacent industrial land.

Bundaberg – Barolin Street Upgrade – Development of a traffic model for upgrade options including side street closure. Development of layouts and cost estimates for five upgrade treatments. Public consultation plans.

Hervey Bay – Dundowran East Structure Plan – Development of a traffic model to project future traffic volumes. Development of a road hierarchy for this precinct.

Queensland - Road Use Priority Policy – Development of state policy outlining how to allocate road space on congested urban arterial roads.

Bundaberg- Port of Bundaberg – Road transport planning associated with the expansion of the port.

Calliope Traffic Study - Project management and technical input to a project that planned for future network upgrades to the Dawson Highway through Calliope. This project also included the preparation of a walk and cycle plan.

Maryborough CBD Traffic Study - Project management and technical input on how to improve the efficiency of state and local roads and intersections. Investigation of freight routes with recommendations to either upgrade or find alternate routes. Investigation of means to strengthen pedestrian links between the Mary River and the CBD.

Brisbane - Gabba Traffic Management Plan – Review of a traffic management plan prepared for events at the Gabba.

Hervey Bay - Pialba-Burrum Heads Rd Corridor Study– Project management and technical input to a state road planning study at Hervey Bay identifying access points for new road connections, intersection improvements and a 4 lane layout.

Hervey Bay - Transport Infrastructure Plan - Project management of a 3-stage project including a Road Network Study and Road Hierarchy Review that then led to the preparation of a Transport Infrastructure Charges Policy.

DEVELOPMENT ASSESSMENT

Toowoomba Regional Council (2013 – present). – Provision of consultancy services to Toowoomba Regional Council - Development Services Branch. Tasks included the engineering assessment of MCU, RAL and OW development applications, preparation of information requests, preparation of decision notices, and negotiation of development outcomes. Technical reports (transport, stormwater, water and sewer) were also provided to support development approvals in area outside the Priority Infrastructure Area. Projects included multiple dwellings, residential and industrial development, hospitals, Wellcamp Airport, Freight Terminals, New Acland Mine and QIC Shopping Centre Redevelopment. Undertook independent traffic impact assessment review of key projects through the preparation of traffic models and SIDRA assessment. Provided technical advice to senior staff and managers and technical training to graduates. Attended Council meetings to provide traffic and other engineering advice about development applications presented for approval.



EMPLOYMENT HISTORY

July 2011 – current	Tipec Pty Ltd Hervey Bay - Managing Director/Principal Engineer
September 2011 – June 2012	Engineers Plus Pty Ltd - Director-Transport Infrastructure
March 2009 – September 2011	Brock & Associates Pty Ltd Hervey Bay - Manager/ Senior Engineer
April 2008 – March 2009	Cardno Eppell Olsen Brisbane - Senior Traffic Engineer
November 2004 – March 2008	Cardno (QLD) Pty Ltd Hervey Bay Senior Engineer – Traffic
July 1998 – October 2004	Hervey Bay City Council Principal Engineer-Road Assets
January 1997 – June 1998	Connell Wagner Pty Ltd Brisbane - Senior Engineer
July 1993 – December 1996	Opus Whangarei NZ - Principal Engineer
November 1989 – June 1993	Tauranga District Council NZ - Roads Engineer
January 1998 – October 1989	Mt Maunganui Borough Council NZ - Deputy Borough Engineer
March 1983 – December 1987	Mangonui County Council NZ - Deputy Country Engineer/ Design Engineer

