



BRITT SHARKEY

Senior Engineer

Qualifications

*Bachelor of Engineering 2000
James Cook University of North Qld
Registered Professional Engineers of Qld, 16744
MIE Aust
Associate Professional Cert, Safety in Design
Soil Erosion and Sediment Controller - Accreditation No.
2010-007*

PROFESSIONAL EXPERIENCE

Project Types

*Shopping Centres
Residential Buildings
Multistorey buildings
Educational Facilities
Industrial Developments
Warehousing Projects
Commercial Developments
Sporting Facilities
Footbridge Construction
Defence Authority Projects*

Skills

*Structural steel, timber and
concrete design
Industrial and mining
maintenance management
Project management
Contract administration
Site supervision and inspections
Tender documentation
Investigations and reports*

Training

*Traffic Theory & Applications
(ARRB Group)
Level 1 Bridge Inspection
(ARRB Group)
Level 2 Bridge Inspection
(ARRB Group)*

LCJ ENGINEERS PTY LTD

Senior Structural Engineer 2004 - Present

Britt has worked on commercial, industrial and medium rise residential apartments and refurbishment projects. She has experience in the design and construction supervision of most building materials including reinforced and precast concrete, hot rolled structural steel, timber and masonry construction.

Britt is also LCJ Engineers' Quality Assurance Manager.

At LCJ Engineers Britt is responsible for the management of technical staff, co-ordination of structural documents and project planning on a wide range of projects. Britt has been involved with the following condition reports:

- Structural Services for Facilities Planning and Delivery Project – Master Initiation Council Reference No. RQ 000438. This project involved a condition assessment and a structural assessment to determine the current cyclonic rating of the Townsville City Council Customer Service Centre in Walker Street, Townsville. Cost estimates for modifications required to ensure it could be used as a Disaster Coordination Centre where provided as part of the report.
- Structural inspection of Xstrata Port Facility. This was a periodic structural inspection of site structures including buildings, pipe bridges, tanks and suspended walkways.
- Britt reviewed the structural audit report of the Holcim (Humes) site at 844 Ingham Road, Townsville. This structural audit was to ensure that any structure, or part of a structure, which may have posed a risk to safety, damage to property and/or the environment was identified and categories.
- Structural and condition assessment of the Palm Creek timber pedestrian bridge, Memorial Gardens, Ingham.
- Britt reviewed the condition report for the Copper Refinery Townsville project involving a periodic structural inspection of site structures including buildings, pipe bridges, tanks and suspended walkways etc.
- Condition report for Australian Institute of Marine Science, Townsville main laboratory complex and administration building. This project involved the reassessment of the condition of the building and appraisal of the adequacy of repairs conducted as part of former works.

- Nathan Bridge, High Range Training Area, Townsville for Defence. This project included inspection and theoretical assessment of the bridge and suggested placement and type of signage.
- Australian Institute of Marine Science (AIMS) saltwater tanks 1 and 2 – Site inspection, analysis and interpretation of testing results and preparation of report on the condition of the tanks with recommendations for repair or replacement.

Other projects Britt has been involved with include:

- Defence Logistics Transformation Program Joint Logistics Unit (NQ) at Lavarack Barracks and RAAF Base Townsville – Britt was responsible for the structural components of the project which included the structural design and documentation of nine (9) new medium to very large buildings (one shed in excess of 7,000m²). She oversaw the engineering design and drafting and attended design meetings and workshops. During construction Britt undertook some site inspections.
- Enhanced Land Force Stage 2 - Warrant Office and Non Commissioned Officer (WONCO) Academy (NQ) Living-In Accommodation, Lavarack Barracks – Review structural documentation of existing units, design check of the structure and completion of modifications to documentation suitable for certification.
- Lavarack Barracks culvert/bridge inspections – Assessment, analysis and reporting of all culverts and bridges to ascertain their maximum live load capacity. Defence sites assessed included Lavarack Barracks, Townsville Field Training Area, Mount Stuart Training Area, Tully Training Area and Ross Island Barracks.
- Technology Centre, Calvary Christian College – Structural advice during the design development stage. Structural design and documentation of the new building.
- Library building, Calvary Christian College – Structural design and documentation of this unique architecturally designed library building with space for a small lecture theatre and including external learning spaces.
- Enhanced Land Force Stage 1 Joint Logistics Units Clothing Store, Lavarack Barracks – Portal frame construction with provision in end bays and footings for expansion into extra bay including design and construction.
- Itara Stage 2, Riverway Townsville – Preliminary structural design and planning for 68 units.
- Townsville General Hospital Block C redevelopment – Investigation of existing building for conversion into residential units.
- Mater Misericordiae Hospital medical suites – Concrete and steel design.
- Beachside unit development, Magnetic Island – Structural design and documentation of 10x3 bedroom and 10x2 bedroom units.
- St Joseph's School, The Strand – Redevelopment stage one involving structural design and documentation of new building works and alterations to existing.
- Department of Child Safety, Townsville – Structural design and documentation of new building.

SUN METALS CORPORATION, Townsville
Civil/Maintenance Engineer 2002 – 2004

Britt worked as a civil/maintenance engineer in industrial/mining applications. In this role Britt has gained experience in initial concept planning, developing scope of works, drafting contract documentation and construction supervision with an aim to managing projects to meet operational requirements.

- Tender through to construction of a new covered car park (\$1.2M).
- Tender through to preliminary construction of a lined storm water pond (\$3.8M).
- Site supervision of structural modifications to an existing stock storage shed.
- Initial project planning through to completion of repair work to the acid lining of Intermediate and Final Absorption Towers during a planned maintenance shutdown.
- Emergency repair work to main water supply pipe to site.
- Initial concept planning through to completion of an extension to the existing GATX rail system.

BRAMBLES QUEENSLAND NICKEL, Townsville
Contract Administrator 2000 – 2002

- Contract administration and management of site Hire Equipment Agreement.
- Preparation of contractual correspondence and report documentation.
- Commercial contract administration.
- Liaising directly with clients to develop reporting systems detailing contractor performance expectations.