



BRITT SHARKEY

Senior Engineer

Qualifications

Bachelor of Engineering, 2000, JCU
Registered Professional Engineer of Qld, 16744
MIE Aust

Associate Professional Cert, Safety in Design
Soil Erosion and Sediment Controller - Accreditation No. 2010-007

PROFESSIONAL EXPERIENCE

Project Types

Educational Facilities
Industrial Developments
Shopping Centres
Residential Buildings

Skills

Structural Engineering
Industrial and Mining
Maintenance Management
Project Management
Contract Administration
Site Supervision
Tender Documentation
Investigations & Reports

Inductions

Port of Townsville
Xstrata
- TOPS
- CRL
- PORT

Training

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

LCJ ENGINEERS PTY LTD

Senior Engineer

2004 - Present

Britt has over 15 years' of structural and traffic engineering experience and has been involved in numerous projects from masterplanning to post construction stages. She has experience in the design of most building materials including reinforced and precast concrete, hot rolled structural steel, timber and masonry construction.

Britt has been involved in the following related projects:

STRUCTURAL

- **Enhanced Land Force Stage 1 Joint Logistics Unit Clothing Store, Lavarack Barracks** - This project involved the design and documentation of civil and structural components of the new facility including design and documentation of stormwater, trunk services, building pad and portal frame building.
- **Xstrata Port Facility Structural Inspection** - As an integral part of the site safety system, a periodic structural inspection of site structures including buildings, pipe bridges, tanks, suspended walkways etc was conducted. The primary objective of this work was to prepare, conduct and report findings of the site structural inspection. The work included undertaking condition inspections of all existing buildings and compiling reports identifying and prioritising any maintenance issues. The report identified safety and ongoing maintenance issues. LCJ Engineers was further commissioned to complete the design and documentation of repair options for some of the high priority safety issues identified.
- **Australian Institute of Marine Science Condition Report – Main Laboratory Complex and Administration Building** - This project was part of an ongoing maintenance program which involved the reassessment of the condition of the building and appraisal of the adequacy of repairs conducted as part of former works which were highlighted in an earlier assessment completed by this firm in August 1998. The report included a photographic comparison of the condition reports, a prioritised list of maintenance items and advice on appropriate levels of repairs.

PROJECT MANAGEMENT

- **Defence Logistics Transformation Program (DLTP) Joint Logistics Unit (NQ) Lavarack Barracks, Townsville** - This large multidiscipline project required works to be undertaken around an operational facility in a close working relationship with other consultants and the Managing Contractor. Significant liaison was required with stakeholders, other consultants, the Managing Contractor and in some cases external referral agencies.

- **Technology Centre, Calvary Christian College** - This unique architecturally designed one storey building was elevated from the natural surface level. It included work areas, welding and painting bays, plant space, amenities and an outside work room.

MARINE

- **Berth 8 crack observations and review of grid "L" beam, grid "P" beam, topping slab and fenders** - Reports were prepared to compare the observed cracks with applicable Australian Standards and recommend any potential works required to meet the durability intent of the structure.

TRANSPORT

- **IA Physical Inspections for Defence** - This project involved assessment 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. Following assessment each bridge and reinforced concrete box culvert was provided with a Military Load Classification. This number equated to the maximum Defence vehicle that could cross the structure.
- **St Benedict's Catholic School, Cnr Dalrymple Road and the Ring Road, Bohle** - The development consisted of a Catholic Primary School from Kindergarten to grade 6. The Masterplanning phase included preparation of a traffic assessment and investigation for the new access road and intersection with Dalrymple Road. The Traffic Impact Assessment (TIA) required liaison with Townsville City Council and Department of Transport and Main Roads to ensure the final intersection configuration suited the long term development of Dalrymple Road.
- **Proposed development at 158 Hugh Street, Currajong** - This development will consist of a three storey building with a basement level carpark. A Traffic Impact Assessment was prepared to analyse the building for a combination of uses and the resultant traffic demand and car parking requirements.
- **Proposed mixed use facility at 450-456 Bayswater Road, Mount Louisa** - A Traffic Impact Assessment was prepared following a detailed assessment of proposed land use and intensity, existing traffic and roadway systems and current and predicted traffic impacts.

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

BRAMBLES QUEENSLAND NICKEL, Townsville
Contract Administrator 2000 – 2002