

**DANIEL JOHNSTONE**
Manager**Qualifications**

Bachelor of Engineering (Hons) 1995, JCU
Registered Professional Engineer of Qld, 5892
MIE Aust, CP Eng. NER (Civil)
Graduate Certificate in Engineering (Port and Harbour) 2014, Swinburne
Master of Pavement Technology 2019, CPEE
Northern Territory Reg. No. 58497ES
Department of Defence NV1 Level Security Clearance
Townsville City Council Suitably Qualified Person-065 Erosion & Sediment Control

PROFESSIONAL EXPERIENCE**Training**

Level 1 Bridge Inspection (ARRB Group)
Level 2 Bridge Inspection (ARRB Group)
AS5100 Bridge Design 2005
Unsealed Local Roads (ARRB Group)
Pavement Recycling & Insitu Stabilisation (Centre for Pavement Engineering Education Inc)
R11OHS202A Enter & work in confined spaces
R11OHS204A Work safely at height

Inductions

Port of Townsville
Department of Defence

Skills

Problem solving
Conceptual & preliminary design
Design coordination with other consultants
Structural design
Project management (in house and externally)
Site supervision

Project Types

Commercial Developments
Industrial Developments
Residential Developments
Education Facilities
Refurbishments
Shopping Centres
Childcare Centres
Police Headquarters
Aquatic Centres

LCJ ENGINEERS PTY LTD**Manager 2010 - Present****Principal Engineer 2003 - 2010**

Danny has been involved with the design, inspection and certification of the following temporary works projects:

- Certification of temporary works involved with erection of conveyor trestles on Berth 8 Townsville Port Authority (2013/2014) including the following elements:
 - Liaison with Contractor, Glencore, geotechnical consultants and Port of Townsville to discuss and agree on proposed lift sequencing, monitoring of Lennon Drive and crane demobilisation.
 - Review of capacity of Berth 8 to determine:
 - Suitable temporary storage locations for conveyor trestles.
 - Adequacy of deck to support trestles when moved to lift position on dollies.
 - Adequacy of deck (in conjunction with crane matts) to support crane used to lift trestles into position.
 - Design of crane matts to suit placement over Berth 8 structure and Lennon Drive.
 - Liaison with Contractor to determine suitable lift and demobilisation procedure to suit structural capacity of existing berth.
- Design of temporary crane matts and preparation of Lift Study plans for trawler wharf at Townsville Marine Precinct.
- Ernest Henry Mine (EHM) skyshaft – The skyshaft forms part of the infrastructure that has been used to convert EHM from an open pit mine to an underground mine. It is a steel framed structure with a mass of approximately 380 tonnes and height of approximately 38 metres. To suit program requirements the skyshaft was constructed simultaneously with, and approximately 60 metres away from, the head frame. When the skyshaft was close to completion it was transported into its final position via self propelled modular transporters. LCJ's involvement in the project was as follows:
 - Design of temporary foundations to suit construction of the skyshaft.
 - Liaison with EHM to determine suitable parameters for the move.

- Design of temporary bracing and lifting beams to support the tower during the move. These works involved a sensitive assessment of the centre of gravity of skyshaft and design of a support and bracing system that did not require alterations to the design required to suit the final configuration of the skyshaft.
- Design, inspection and certification of temporary works for the Bruce Highway Upgrade – Vantassel to Cluden, as follows:
 - Design, documentation and construction supervision of Stuart Creek sheet piled cofferdam.
 - Design and documentation of temporary side tracks.
 - Concept design and documentation of median sheet pile retaining walls to suit staging of works at approaches to new Stuart Creek Bridge.
 - RPEQ review and endorsement of lift plans.
 - RPEQ design and certification of constructed working platforms.
 - Review of proposed demolition sequence for existing Stuart Creek Bridge.
 - Certify lifting points on reinforcement cages.
 - RPEQ certification of alternative propping design of bridge parapet panels.
- Design, inspection and certification of temporary works for the Townsville Port Access Road, as follows:
 - Girder edge brackets.
 - Certify lifting points on reinforcement cages.
 - Headstock soffit falsework design.
 - Assessment of damaged lifting loop in prestressed girder.
 - Footing design for temporary props to girders.
 - Ship impacts diaphragms formwork.
 - Headstock soffit formwork.
- Inspection and certification of temporary works for the Douglas Arterial Duplication project for the following aspects:
 - Formwork/falsework.
 - Temporary walkways and access.
 - Girder restraints.
 - Girder cast-ins for temporary walkways and access.
 - Lifting points.
 - Lift studies/plans.
 - Fall restraint lines and supports.
 - Brackets.
 - Miscellaneous structural steel items.
 - Welds including welding specifications.

Danny has been involved in the following temporary works:

- Propping and lift design of precast panels.
- Designs of lifting brackets for various items (including stillage frames for formwork panels, oxy acetylene tanks etc).
- Inspection of tower crane foundations.
- Design and certification of miscellaneous waste bins that can be craned around construction sites.
- Reusable steel scaffold frames to allow people to safely pour concrete into cast insitu columns.
- Steel collector bins to collect wet concrete waste (either from lining pump tubes or excess pours pumped to members) that can be craned off site.

Danny has been involved in numerous formwork projects in recent years. Some of the more notable projects are as follows:

- Inspection and certification of temporary works and formwork at The Townsville Hospital Redevelopment Stage 3.
- Willows Shopping Centre where column and soffit formwork design were used, with the underside of soffit being approximately five metres above ground.
- Formwork column design - Ring Road bridge over Ross River.
- Formwork design for Coral Cove Apartments in Bowen.
- Blue on Blue formwork inspections, Magnetic Island.
- Formwork design and inspections Bright Point Units, Magnetic Island.
- Formwork design for transfer slab for central mixed use developments, Townsville.
- Design, documentation and inspection of piers for Douglas Arterial Ross River Bridge (2003).
- Design, documentation and inspection of formwork for concrete walls for BHP Cannington shed extension at Port of Townsville (2007). This involved the construction of a 4 metre high formed concrete wall with concrete beam at the top of the wall. Part of the formwork had to be built over a covered, operating conveyor that could not be shut down during the extension to the existing shed.
- Inspection of formwork for concrete tanks at the Northern WTP Rollingstone.
- Design and documentation of reusable steel concrete forms on various projects.
- Design, documentation and inspection of formwork for transfer slabs at:
 - Central Mixed Use Development Flinders Street.
 - Coral Cove Apartments Bowen.
 - Bright Point Apartments Magnetic Island.
- Design and documentation of formwork for Willows Shopping Centre extension.
- Inspection and certification of formwork prior to pouring at The Townsville Hospital development.

GROGAN RICHARDS, Brisbane
Senior Structural Engineer 2002 - 2003

PRICE & MYERS, London
Structural Engineer 2000 – 2002

LCJ ENGINEERS PTY LTD, Townsville
Design Engineer 1999 – 2000

CONNELL WAGNER, Mackay
Structural Engineer 1995 – 1999