

# Baker Rossow Consulting Engineers

## Company History & Experience

Baker Rossow was established in Toowoomba in January 1982 by Mr. Bruce Baker and was originally known as Bruce G. Baker Consulting Engineer. He later joined forces with Mr. Daryl Rossow and as such Baker Rossow was born. At this point the company operated from premises at 23 Mort Street Toowoomba. These premises were soon outgrown and the company moved to larger premises at 9 Thomas Street, Toowoomba.

During mid-2002, the company was purchased outright by Mr Glen Adams, who was the Office Manager at the time. The business relocated to larger premises at 136 Herries Street, Toowoomba in December 2004.

In December 2012 Baker Rossow Consulting Engineers was purchased by Stephen and Deanna Muhldorff as a complementary business to their existing Mechanical Engineering Business, Greentrees Group Pty Ltd.

The practice has served the needs of a diverse range of clients in Southern Queensland and Northern New South Wales for over 30 years making it one of the longer established consultancies in the region. Staff numbers have varied from 12 up to 19 depending on demand, including engineers, drafts people and support staff.

The company continues to offer consulting services in the areas of civil, structural, hydraulic and mechanical engineering, Residential and Industrial Subdivisions, Local Council road design and Main Roads highway design and documentation.

Our client base includes Builders, Developers, Civil Contractors, Local Authorities, Main Roads, QBuild, QBSA, Project Services, Insurance Loss Adjusters, Private Individuals, Architects, Drafting Services, other Consulting Engineers, Town Planners, Surveyors and various industry groups.

The current geographical base of successfully completed projects has grown from the area immediately surrounding Toowoomba to Emerald, Gladstone and Bundaberg in the north, Charleville in the west and Moree to the south. Our experience can be seen in major projects such as:

- Christian Outreach College
  - Primary Building (Stage 1 & 2), Administration Building
  - Early Learning Centre, Science Block, Manual Arts Shed
- Toowoomba City Golf Club
  - 48 Unit Motel
- Toowoomba City Golf Club
  - Clubhouse extension
- Burke and Wills Motel
  - Extensions to Motel
- Goondiwindi Co-operative
  - Extension and refurbishment to Supermarket complex
- Toowoomba City Council
  - Extension to Gym at Milne Bay Aquatic Centre
- Nanango Foodworks
  - Extension & modification of Foodworks complex
- Platinum Motel
  - Motel extension
- Warwick
  - Kenilworth St Industrial Subdivision
- Roma
  - Roma Downs Road Industrial Subdivisions
  - Residential Subdivision, Bowen St., Roma
- Kingaroy
  - Hillview Residential Estate Stages 4-10 (approx. 300 lots)
- Toowoomba
  - Mackenzie St Residential Estate Stages 1-4
- Mitchell
  - Aged Care Facility extension to Mitchell Hospital

## Key Staff



**Stephen Muhldorff, BE, CPEng, MIE(Aust), RPEQ**  
**Managing Director**

Stephen has 25 years of experience in a diverse range of engineering including Civil and Structural Projects, involving Process Plant construction and operation, including maintenance systems, requirement identification development and implementation, mechanical design and process improvement. Some of these projects include

- Queensland Cotton Dalby Gin Construction
- Queensland Cotton Dalby Gin Expansion
  - Gin expansion 4 to 6 stands
  - Seed shed construction
  - Enclosed bale shed construction
  - Gin Module Pad extension
- Other Queensland Cotton site construction and minor works,
- BHP Billiton's Haju mine Indonesia; as part of the small Operational Readiness team I had responsibility operational supplies, including fuel, parts and equipment. Design review of the Haul road as to the suitability of the path to the equipment being used. River port facilities preliminary layout design and operations, to enable operation before construction permits were issued.



**Michael Ryan, BE, GDM, MBA, MIE(Aust), RPEQ**  
**Senior Structural Engineer**

Michael is an experienced structural engineer with over 30 years of experience working on a wide variety of projects, both here and overseas. Michael has been involved in many different projects and has a great knowledge of structural steel, reinforced concrete and timber and has supervised a number of civil projects. He has worked on industrial, residential, retail, health, educational and tourist resorts both in Australia and Overseas (Bahrain and Pakistan).

Some of these projects include:

- Education House 24 Level Office Block, Brisbane;
- Hyatt Regency Coolum;
- Noosa Springs Development;
- Toowoomba City Golf Motel;
- Perth St Toowoomba Service Station.

Extensive experience has been gained in project management, dealing with contractors, preparing bill of quantities, assessing tenders and contract variations and ensuring that project works are completed within budget and time constraints.



**Brendan Reid, BTech. (Civil), ADEng**  
**Civil Design Manager**

Brendan has been with Baker Rossow for over 20 years, carrying out a variety of roles including geotechnical and building damage investigations, footing and slab system design and supervision, planning and design of industrial, commercial and residential subdivisions and earthworks projects, Urban and Rural road design for Local and State Authorities, supervision and contract management.

Some of these projects include:

- Planning and design for a 300 lot urban development in Roma;
- Planning and design for 8 stages of urban development in Kingaroy.
- Industrial developments in Warwick, Toowoomba, Kingaroy and Roma;
- Building design, planning and civil design for commercial premises' in Toowoomba ;
- Geotechnical Investigation and reporting for a chain of commercial developments throughout Qld, NSW, Vic, SA and WA.

## Key Staff Continued



**Nikhil Prakash**, BE (Civil), MEngSt (Transportation)(Hons) CPEng, RPEQ  
**Civil Engineer**

Nikhil has over four years of industry experience in the Roads and Highways sector. During this period, he has developed numerous skills and is competent at site investigations, quantity estimations, pavement design, contract administration, project management and site set outs. Nikhil has been working on the preparation of Traffic and Pavement Impact Assessment reports and Stormwater Management Plans to broaden his skills set. Some of the projects that Nikhil has worked on lately include:

- Roche Creek Road, Wandoan Subdivision Development
- Glasson Street, Chinchilla Stormwater Quantity Analysis
- 52 Lot Industrial Subdivision Development in Volker St, Dalby
- Roma Surat Junction Industrial Estate (Intersection upgrade of Carnarvon Highway/Warrego Highway), Roma
- Traffic and Pavement Impact Assessment Report for Blackwell Road near Millmerran

## **Baker Rossow Consulting Engineers Capabilities**

### **Civil Engineering Design**

**Residential, Industrial and Commercial Sub Divisions**, from concept and survey data through to detailed construction drawings. Tender management and Construction inspection and Project monitoring.

**Road design** including pavement specification and detail from concept or existing through to final design and construction drawings

**Stormwater Management** Reports and designs to comply with current requirements for stormwater management for developments.

**Traffic Studies** to determine the effect of developments on existing and projected road traffic and Infrastructure. These out comes are then used to determine the requirements to ensure safe upgrading of road infrastructure to support the development and current and projected traffic loads.

**Hydraulic Design** of Drainage Systems, Water Reticulation and Sewerage systems with in buildings and estate developments.

**Traffic Flow and Parking** using our simulation software we are able to test parking areas and road corners to ensure that the design suits the planned application and traffic types.

### **Structural Engineering Design**

**Foundations** in all types of founding materials including highly reactive clay soils and slope slip sensitive areas.

**Building Types** ranging from structural steel to reinforced concrete tilt panels and timber construction.

**Our designs** start from a schematic sketch layout design through to preliminary drawings to full working drawings.

### **Building Design**

Residential, Retail, Commercial and Industrial Projects from concept to detailed construction plans, with or without our engineering support.

**Operational Readiness** you can build the project, what else will you need to make it operational and productive. We have experience in building and operating projects, use our knowledge and experience along with your knowledge to plan the non-construction parts of your project, to have a productive project from the start.

More information at [www.bakerrossow.com.au](http://www.bakerrossow.com.au)