

# TRAFFIC SITE

SITE INTEGRATED TRAFFIC ENGINEERING



capability  
statement

traffic  
transport  
consulting

## ABOUT US



Formally known as TTS Group, SITE Traffic is a leading specialist traffic and transport consulting engineering firm that

provides an integrated range of professional services tailored to the construction and infrastructure sectors.

Our integrated traffic engineering solutions cover the entire range of professional traffic engineering and transport planning specifically tailored to the development and infrastructure sectors.

### Practicality ▪ Diversity ▪ Technology

Since our humble beginnings in 2014 we have since been providing our full range of traffic engineering services to both public and private sector clients throughout Southeast Queensland including:

- Construction & Building Contractors
- Land & Property Developers
- Architects, Planners & Project Managers
- Local Councils & State Road Authorities
- Multidisciplinary and Specialist Consultants
- Mining, Industrial & Freight Companies
- Major Retail & Shopping Centres
- Schools & Universities
- Public Transport Operators

We have an enviable project portfolio and range of expert capabilities tailored to the local industry and markets that we serve.

Our unique and highly specialised services are underpinned by the depth and breadth of experience offered by our professional staff - all of whom are essential to the quality of service which our clients have grown to expect.

## WHY US

### We Are Different Because:

- we respond immediately to client's needs and deliver before deadlines
- we develop a thorough understanding of specific requirements for each and every individual project
- we engineer practical and feasible solutions to complex traffic problems
- we are diversely involved in projects at all stages from inception planning to construction and even the operational stages
- we have a long-standing professional and reputable relationship with local Councils and Road Authorities
- we have highly mobile staff able to travel to your project site or office with short notice
- whilst we are a local firm our staff bring invaluable international experience to every project

“ WE FOCUS ON SOLUTIONS ”

## OUR GUARANTEE

Our services are guaranteed to meet exceptional levels of quality, quick deadlines and tight budgets regardless of the size or nature of your project.



We have established, implemented and maintain quality management systems based on ISO9001:2008.

These systems ensure uniformity, consistency and excellence is always achieved within any deliverables produced by our firm.

“Our Clients Come First Above All”



# Traffic Planning

Our planning team bring together a range of specialist capabilities and expertise aimed at planning complex traffic solutions.

Our traffic planning capabilities range from traffic impact analysis through to traffic and transport modelling, public and active transport, and transport masterplanning.



## Development Planning

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- Traffic impact assessments
- Vehicle swept path simulation
- Car park and site access
- Site traffic circulation assessment
- Pedestrian access and mobility assessments

## Traffic Modelling

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- Sidra intersection modelling
- Traffic simulation modelling
- Pedestrian simulation modelling

## Transport Masterplanning

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- Regional transport planning
- Local area traffic management
- Development masterplanning

## Public Transport

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- Passenger demand forecasting
- Transit facility planning and analysis
- Bus route planning and scheduling

# Traffic Engineering

Traffic Engineering is the core function of SITE Traffic. We provide professional engineering services which cover the planning, design, construction and operation stages of all project types.

Our practical traffic engineering solutions and recommendations are based on solid professional experience in the local market.



## Traffic Design

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- Road and intersection design
- Site access design
- Carpark and site design
- Signs and linemarking plans
- Vehicle swept path analysis
- RPEQ Certification
- Construction workzone design

## Road Safety

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- Road safety audits
- Road safety evaluations
- Speed Limits Reviews
- Crash investigations

# Traffic Management

Our 'one-stop-shop' approach allows us to bring together the entire range of traffic services from planning to engineering and management.

With a strong emphasis on the construction and infrastructure sectors we offer a unique range of services cover traffic management and operation.



## Traffic Management

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- Traffic control and road diversion plans
- Construction traffic management plans
- Haulage management plans
- Local area traffic management
- Special events traffic management plans

## Transport Policy

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- Policy review and development
- Parking management strategies
- Traffic management strategies
- Development contributions and structure plans



**SITE Traffic** has carried out a wide range of projects throughout Southeast Queensland. At SITE Traffic no job is too big or too small and on a daily basis we are involved in many major projects covering the planning, engineering management and operational stages.

We have showcased a small handful of projects below that aim to provide a brief overview of the breadth and depth of expertise we have and the range of services we provide.

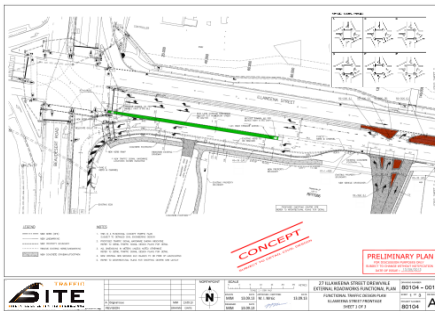
## Gold Coast Star Casino: Traffic Management Designs



SITE Traffic has had an integral role in the ongoing construction stages of the new Gold Coast Star Casino towers. We have been involved in the planning and design of various construction stages requiring complex traffic management and engineering design.

Our work has included site access and car park designs along with traffic management arrangements to maintain public access during the various stages of construction. This had included provision for buses and fire appliance vehicles, pedestrians and general traffic.

## Drewvale Shopping Centre: Roads and Traffic Signal Designs



Our ongoing involvement with the Drewvale shopping centre site involved significant traffic engineering inputs as part of the planning and design phases of a major suburban shopping centre.

After negotiating unyielding development conditions through court appeal we were then engaged to prepare functional designs of the site's car parking, access and loading facilities, external road upgrades and prepare traffic signal designs to modify the state controlled intersection of Beaudesert Road and Illaweena Street.

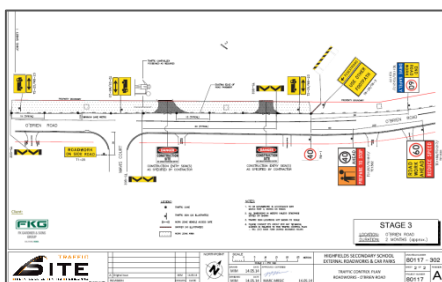
## Queen's Wharf Brisbane: Construction Traffic Management



SITE Traffic has been providing traffic engineering services to the main contractor of Queen's Wharf with a key focus on detailed traffic engineering designs for construction access and various workzones. Our scope has aided ongoing changes in traffic management requirements and access to tower crane loading zones.

The scale and complexities of this project has required careful consideration of the site's locality in the heart of Brisbane's CBD and interface with the Riverside Expressway.

## O'Brien Road and Polzin Road: Traffic Control Plans



The development of traffic control and construction management plans has formed a considerable part of our ongoing involvement in infrastructure and development in the Toowoomba region.

We successfully prepared a range of complex and detailed traffic control plans to important major public works and infrastructure upgrades along O'Brien Road and Polzin Road in the Highfields region.



### QLD State-Wide: Q-Limits Speed Limit Reviews

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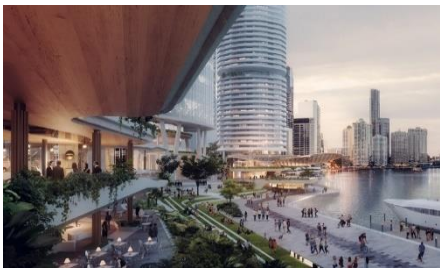


We were engaged by TMR to carry out numerous speed limit reviews for state controlled roads in the Gold Coast and Logan areas within Queensland.

The reviews comprised of site investigations and extensive Q-Limits assessments in accordance with the Department of Transport and Main Road Manual of Uniform Traffic Control Devices Part 4. The outcomes of these reviews resulted in recommendations for speed limit changes and the need for further road safety investigations on various roads.

### Eagle Street Pier Riverfront: Construction Traffic Management

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SITE Traffic carried out a comprehensive construction traffic engineering assessment and study to determine the most appropriate way to facilitate construction staging for the redevelopment of Eagle Street Pier Riverfront site in Brisbane's CBD.

The study included sidra intersection modelling, of various design changes along Eagle Street to incorporate construction workzones and changes to site access and pedestrian and bicycle detours.

### SEQ Crash Investigations and Road Safety Audits

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Our road safety expertise has seen us carrying out crash investigations and road safety reviews for various state controlled roads in the Gold Coast and Logan areas within Southeast Queensland for TMR.

The reviews covered physical features of the road system which may affect road user safety, the identification of potential safety hazards and provided recommendations to reduce high risks associated with each hazard.

### The Monaco Gold Coast: Construction Traffic Management

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Extensive traffic engineering design options were prepared to facilitate construction access and changes to the surrounding road network of the iconic Gold Coast development site The Monaco.

Our scope included vehicle swept path analysis and detailed design of construction workzone arrangements requiring various changes to the road network design and signage and linemarking.

Our services led to the development of a detailed traffic management plan for construction of the various stages of the project.





## Guanaba Adventure Park: Traffic Impact Assessment

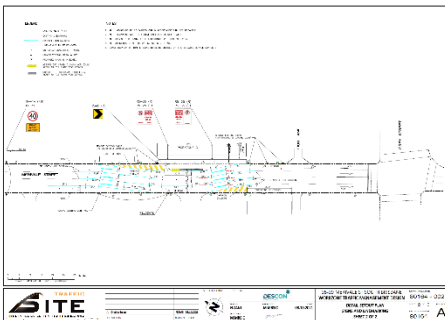
SITE Traffic carried out a traffic impact assessment for a proposed outdoor experience venue comprising numerous activities including mountain biking, camping and zip lining.

Key tasks included assessing existing traffic conditions, developing traffic generation volumes from first principles, Sidra analysis of key intersections as well as assessing parking demand, site access and sight distance requirements.

## Akin Residential: Construction and Road Traffic Designs

SITE Traffic was engaged to develop a detailed traffic engineering re-design of Merivale Street in South Brisbane to facilitate a major construction site and associated workzone and temporary traffic management requirements.

Our project involvement incorporated extensive consultation with Council which led to the successful outcome of approved traffic management plans for the site. This project came with its challenges requiring the incorporation of an adjoining construction site operating simultaneously at the same location.



## Highfields Secondary School: Traffic Impact Assessment

Highfields Secondary School was part of a Ministerial Designation project to provide a 1,100 student capacity school in the Toowoomba catchment area. SITE Traffic was engaged as the lead traffic engineer on the project from inception and masterplanning through to the design and construction stages.

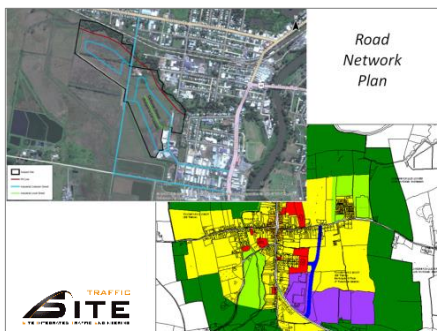
We were extensively involved in the site planning and design, carried out traffic impact analysis, facilitated stakeholder and community consultation and then went on to prepare traffic control plans for construction works.



## Lismore Industrial Area: Traffic & Transport Study

Our team was tasked to carry out a regional traffic study for Lismore City Council to establish a suitable road network to facilitate future development of the South Lismore Industrial Area. The study involved a detailed traffic network model to allow sensitivity analysis and network option testing of various development scenarios and road network options.

Our study identified key infrastructure requirements necessary to sustain planned growth which fed into the regional growth management strategy and council's infrastructure contribution plans.



# **TRAFFIC** **SITE**

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