

TRAFFIC SITE

SITE INTEGRATED TRAFFIC ENGINEERING



capability
statement

traffic
&
transport

engineering

ABOUT US



SITE Traffic is a leading specialist traffic and transport consulting engineering firm that provides an integrated range of professional services tailored to the development, construction and infrastructure sectors.

Our integrated traffic engineering solutions cover the entire range of professional traffic engineering and transport planning with a key focus on quality and timely delivery of services.

Practicality ▪ Diversity ▪ Technology

Since our humble beginnings in 2014, we have since been providing our full range of services to both public and private sector clients throughout Queensland and New South Wales 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

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e Are Different Because:

- we respond immediately to client's needs and deliver by your deadlines
- we develop a thorough understanding of specific requirements for each and every individual project
- we develop practical and feasible solutions to complex traffic engineering problems
- we are diversely involved in projects at all stages from inception planning through to the construction and 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 within short notice
- whilst we are a local firm our staff bring invaluable international experience to every project

“ WE FOCUS ON SOLUTIONS ”

OUR GUARANTEE

Our professional services are guaranteed to meet exceptional levels of timeliness, 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 master planning.



Development Planning

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

Traffic Modelling

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

Transport Master Planning

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

Public Transport

- 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 operational stages of all projects.

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



Traffic Design

- Road and intersection design
- Car park and site access design
- Signs and line marking plans
- Vehicle swept path analysis
- Road safety barrier designs
- Construction work zones and loading area designs
- RPEQ & TMD Certification

Road Safety

- 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 that cover traffic management and operations.



Traffic Management

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

Transport Policy

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



SITE Traffic has carried out a wide range of diverse projects throughout Queensland and New South Wales.

At SITE Traffic, no job is too big or too small, and on a daily basis we are involved in many complex projects covering the planning, engineering management, design, construction and operational stages.

We have showcased a small handful of recent projects below that aim to provide a brief overview of the breadth and depth of expertise and highly regarded skills we have within the services we provide.



Gold Coast Star Casino: Traffic Engineering Designs

SITE Traffic has had an integral role in the ongoing construction stages of the new Gold Coast Star Casino towers since 2021. We have been involved in the planning and design of various design elements and construction stages requiring complex traffic management plans and traffic engineering designs.

This work has included work zone loading designs, access and car park designs along with traffic management arrangements to maintain public access during the various stages of construction. Our scope has included various road safety and traffic engineering improvement designs for existing roads and car parks.



Elliot Drive Industrial Estate: Traffic Impact Assessment

This project involved the preparation of a complex Traffic Impact Assessment (TIA) for the expansion of a high impact industrial estate in Stapylton.

To assess the future traffic impacts of the development we carried out extensive traffic surveys on the surrounding road network which was then used as key inputs to model nearby intersections using SIDRA. We also provided detailed design advice for the internal site layout plans which included vehicle swept path analysis of various plant and heavy vehicles including B-Doubles.



Queen's Wharf Brisbane: Construction Traffic Engineering

We have been providing traffic engineering services to the main contractors of Queen's Wharf Brisbane since 2021 with a key focus on detailed traffic engineering designs for construction accesses and various work zones. Our scope has aided ongoing changes in various traffic management requirements and access arrangements to tower crane loading zones and barrier designs.

The scale and complexities of this project has required extensive traffic modelling and analysis to guide complex traffic engineering designs that interface with the Riverside Expressway.



VW Dealership Kessels Road: Traffic Management Plans

SITE Traffic was engaged to prepare detailed traffic management plans for the construction of a new VW Dealership at Macgregor.

At the onset we were required to design the site compound incorporating the layout of site sheds, contractor parking areas and casting beds. Our scope then included the development of a construction traffic management plan detailing access and loading area arrangements for cranes, semi-trailers and concrete pouring including vehicle swept paths and traffic guidance schemes.

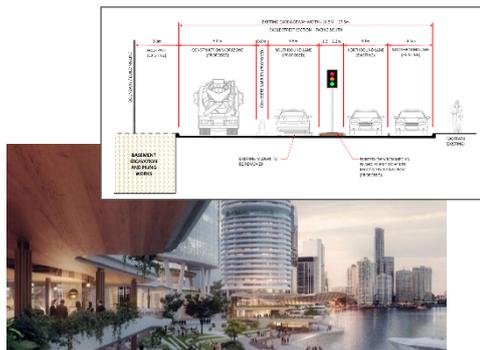




Brisbane Metro: Construction Traffic Management Plans

We have been supporting the Brisbane Metro project since 2022. Our focus to date has been the development and preparation of the Buranda Busway Station Construction Traffic Management Plans and Busway Diversion Plans.

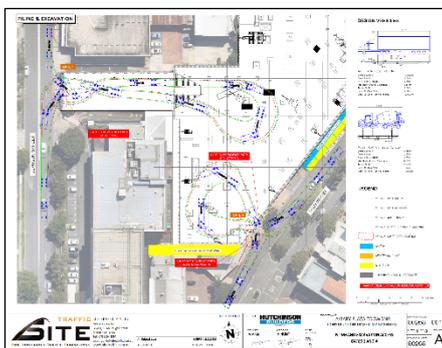
Our scope has involved extensive consultation with key stakeholders including the development of complex traffic control plans, traffic guidance schemes and traffic engineering designs for road realignments and barrier designs as well as site supervision for works implementation.



Eagle Street Pier Riverfront: Traffic Feasibility Study

SITE Traffic carried out a comprehensive construction traffic engineering assessment and feasibility 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 work zones and changes to site access and pedestrian and bicycle detours.



Aviary Plaza Toowong: Construction Traffic Management

SITE Traffic was engaged at a critical stage of construction to review and assess construction access requirements for a major urban development site in the heart of Toowong.

Our services included a complete review of all construction site accesses including vehicle swept path analysis, detailed access designs and operational plans for worksite loading and work zone arrangements. Our involvement came at a critical stage of construction facilitating last minute changes to accommodate imminent construction requirements.

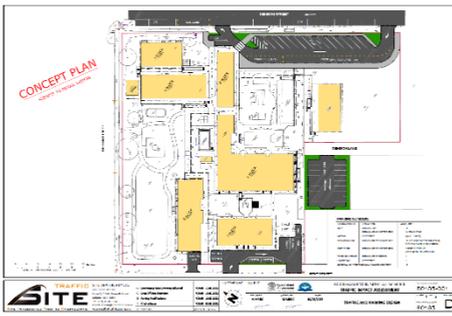


John Paul College: Traffic & Safety Improvements Study

SITE Traffic was engaged to carry out safety and traffic operation reviews of the entire campus including all accesses, car parks, drop-off/pick up areas, servicing and loading areas and pedestrian routes.

Our scope included various surveys and extensive monitoring of existing traffic operations during the critical morning and afternoon peaks. This led to the identification of key traffic, parking, pedestrian and safety issues where we went on to develop a wide range recommendations including a combination of engineering design improvements, operational plans and education and communication initiatives.





Rockhampton Special School: Traffic Impact Assessment

SITE Traffic carried out a detailed traffic impact assessment for the expansion of Rockhampton Special School to include new education buildings, associated facilities and new accesses, parking and drop off areas.

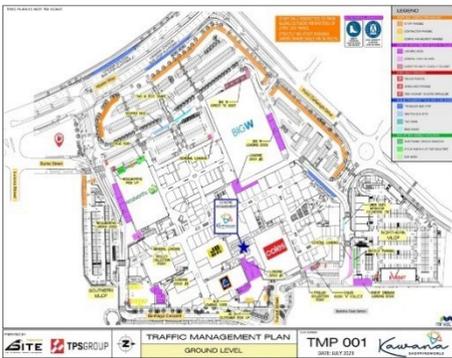
Key tasks included the assessment of existing traffic conditions, developing forecast traffic generation volumes, analysis of key intersections as well as assessing future parking demands, site access and servicing requirements. Our scope of work also included the detailed design of parking and drop off areas.



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 residential construction site and associated work zone with 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 including work zones, barrier treatment designs and lane realignments.



Kawana Shoppingworld: Operational Traffic Management Plan

Our team was tasked to carry out a comprehensive operational traffic management plan for the entire shopping centre. The purpose of this plan was to provide a safe and operationally sound environment for all traffic within the Centre with a key focus on external Parking, Access, Loading, Emergency Services and Public Transport facilities including operational procedures.

The Plan is now used by Centre Management, all Tenants and their Staff, Contractors, Delivery Companies and Transport Operators of the Centre. It has also formed part of staff inductions and site awareness training.



Various: Development Traffic and Parking Assessments

On a daily basis SITE Traffic is engaged on various development applications requiring traffic and parking assessments. These developments vary in size and nature ranging from childcare centres to residential developments, retail centres, office buildings and various commercial and industrial sites.

These projects, big and small, are all unique and require individual attention in order to obtain necessary approvals. We provide upfront design advice and plans to assist project teams at the onset. Our work on these projects cover all necessary traffic, site access, parking servicing and loading requirements to achieve the best outcome for any development application.





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