



PROJEX PARTNERS

CAPABILITY STATEMENT

Municipal Engineering

ProjexPartners

PROJECT MANAGEMENT | ENGINEERING | PLANNING

Building community through our people





WHO WE ARE



Projex Partners provides project management, civil and structural engineering and planning services throughout Australia, with offices on the Sunshine Coast, Brisbane, Gold Coast and Cairns.

Quality assured and client focused services are delivered by our committed team of professional engineers, project managers, technical and administrative personnel.

We seek to build long lasting relationships with our clients and the community through understanding and meeting our client's needs.

We provide services to all levels of government and the private sector across Australia.



WHAT WE DO

Projex Partners offers consulting engineering services in:

- Urban Development Planning and Design
- Municipal Engineering
- Project Management
- Hydrology and Drainage Planning and Design
- Water Reticulation and Sewer Planning and Design
- Environment
- Coastal Engineering
- Resources
- Town Planning
- Road and Highways Planning and Design
- Traffic and Transportation
- Parks and Sporting Facilities
- Sustainable Transport
- Peer Reviews
- Waste

Projex Partners prides itself in delivering more than you expect with our client focused service excellence. We endeavour to understand our clients' needs and will work closely with you to deliver a solution that strives for an efficient, cost-effective outcome. We operate under a third-party accredited Quality Assurance System that satisfies the requirements of ISO 9001:2015. This certification demonstrates our strong commitment to providing a quality service to our clients.



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OUR TEAM

Projex Partners team are a group of passionate and experienced engineers, drafters and project managers. We promote a value added, best for project design approach with a focus on achieving client driven project outcomes.

We differentiate ourselves through building long lasting relationships with our clients to become their trusted advisor for engineering services and solutions.



Maroochydore Central Precinct – Initial Intersection Design



Callaghan Boat Ramp Carpark



Mary Valley Rattler Restoration



Bindaree Terrace Revetment Wall



Victory Park, Woombye



Emerald Court, Mapleton – Surface and Subsurface Drainage Design



MUNICIPAL ENGINEERING

PLANNING AND DESIGN

Projex Partners offers consulting engineering services in:

- Roads and Highways Planning and Design
- Hydrology and Hydraulics Planning and Design
- Water and Sewer Planning and Design
- Coastal Engineering
- Active Transport Networks and Infrastructure
- Traffic and Transportation planning and design
- Parks and Sporting Facilities
- Services planning and design
- Telecommunications and electrical coordination

PROJECT EXPERIENCE



Harris Avenue Sports Complex, Narangba

Moreton Bay Regional Council



Projex Partners were engaged to prepare a concept plan, preliminary and detailed designs of 6 tennis courts, clubhouse and carpark. The design included earthworks, pavement and stormwater designs as well as all services associated with the clubhouse. The tennis courts and associated lighting and fencing were also part of the design.

Proserpine Waterpark

Whitsunday Regional Council



Design of a new waterpark, carpark and landscaping alongside the existing Proserpine swimming pool. The design allows for separated access from the swimming pool, as requested by the client to allow the public and tourists to use the waterpark. All civil engineering works were designed in-house by Projex Partners. Hydraulic engineering and landscaping were designed by subconsultants and coordinated by Projex Partners.

PROJECT EXPERIENCE



Robert Road & Bicentennial Drive, Cairns

Cairns Regional Council



Intersection upgrade and traffic signal installation at the Robert Road / Bicentennial Drive. The intersection upgrade minimised land resumption requirements and otherwise expensive relocation of existing underground fibre optic communication infrastructure. The project also accommodated public transport (bus stop) and cycle lanes.

Old Gympie Road, Dakabin

Moreton Bay Regional Council



Widening of 700m section of the road corridor to a 4-lane median divided carriageway, signalling the intersections at Hughes Road East / Dakabin Waste Facility access and Goodwin Rd / Watson Park.

PROJECT EXPERIENCE



Daunia Road, Moranbah

Isaac Regional Council



Detail survey, geotechnical investigation, roadworks and drainage design, provision of construction specification and cost estimation including bill of quantities for a 20.12km section of Daunia Rd / Annandale Road south from the Peak Downs Highway.

The project recognised the road network function within the broader transport network and therefore included a type 2 road train (53.5m in length) design vehicle within vehicle movements.

Pasha and Eaglefield Road Upgrades, Moranbah

Isaac Regional Council

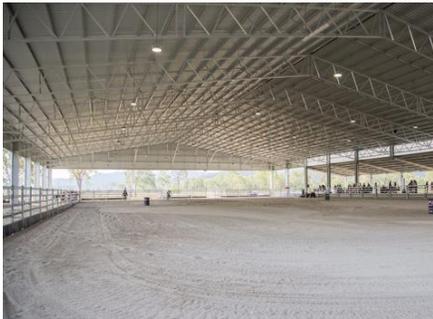


The project recognised the road network function within the broader transport network and therefore included a type 2 road train (53.5m in length) design vehicle within vehicle movements. The design development involved the consideration of; 3 intersections and numerous property access, incorporation and upgrading of cattle grids, road pavement design, foundation widening, channelization upgrades, road geometry, signage improvements, culvert and floodway development and the consideration of existing services and relocation capabilities.

PROJECT EXPERIENCE



Kilkivan Equestrian Centre
Gympie Regional Council



Assisting Council with the preparation of a reference design and specifications for the D&C contract associated with a 3200m² equestrian centre. Projex Partners also provided contract administration services to Council.

Bribie Island Recreation Reserve Netball Courts
Moreton Bay Regional Council



Engineering services for the reconstruction of three existing lit netball courts, construction of a new clubhouse, construction of compliant pathways, construction of a rebound training wall and a construction of a boundary fence. The project included geotechnical design, services design and lighting design.

PROJECT EXPERIENCE



Dorothy Anderson Park, Warana – Amenities Building

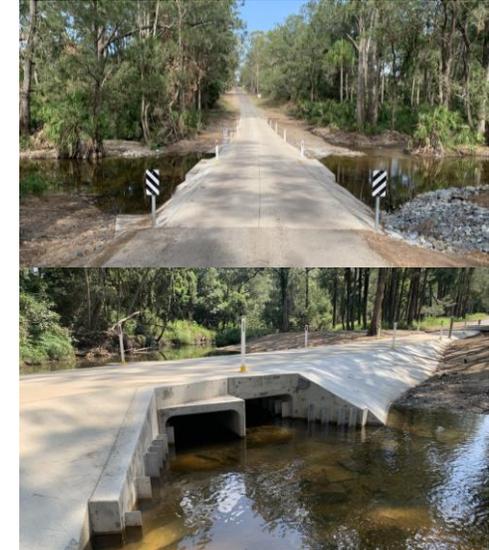
Sunshine Coast Council



Projex Partners were commissioned by Sunshine Coast Council to provide detailed civil and structural design, approvals and documentation to facilitate construction of a new public amenities building at Dorothy Anderson Park, Wurtulla, as the existing public amenities building at the site had reached the end of its service life.

A new building complying with CPTED principles was provided with one PWD cubicle, one unisex ambulant cubicle and handbasins. A new DDA compliant pathway was also provided for access to the new building. The site is located amongst sensitive coastal dunal vegetation and as such the design sought to minimise the works footprint as far as possible.

Projex Partners were engaged by Gympie Regional Council to undertake the design of two floodways that required replacement due to their deteriorating conditions. The floodways were located within mapped waterways and an ecological sensitive area which required SARA approval before works could commence. Potential impacts upon vegetation and fish passage were key considerations throughout the design process.



Thorns Road Floodways

Gympie Regional Council

PROJECT EXPERIENCE



Samford Road Ferny Hills Cycle and Pedestrian pathway bridge

Moreton Bay Regional Council



Structural design and documentation of the Samford Road Ferny Hills Cycle and Pedestrian pathway bridge. The design required a 100m long suspended pathway for cyclists and pedestrians constructed over an existing embankment. Foundations comprised 2.8m deep reinforced concrete bored piers supporting steel posts under cantilevered steel floor beams which in turn support the boardwalk/deck over.

Wises Road Gymnastics and Beerwah Sports Carparks

Sunshine Coast Council



This project involved the design and construction cost estimate of an on-road and off-road car parking facility. These designs were in accordance with AS 2890. Both projects included road design, pavement design, drainage considerations and minor earthworks design. 12D modelling of earthworks required for both sites included an open stormwater drain.

PROJECT EXPERIENCE



Dams & Retardation Basins
City of Greater Bendigo



Investigation, evaluation and reporting of a Dams and retardation basin level of service review. Council's asset register has over 50 dams and retardation basins, many of which require a high level of inspection. The City engaged Projex Partners to conduct a review of the risk associated with its dams and retardation basins and report whether there was opportunity to reduce inspection intervals and costly comprehensive inspections based on evaluated risk.

Eversleigh Road, Scarborough Embankment Stabilisation
Moreton Bay Regional Council



Projex Partners was engaged by Moreton Bay Regional Council to undertake a site investigation, geotechnical investigation and slope stability assessment of the existing embankment for the removal of a large tree at the eastern end of Eversleigh Road, Scarborough.

Projex Partners worked with Council to solve the slope stability issues and improve the usability of the site through the construction of a retaining wall and landscaping.

PROJECT EXPERIENCE



South Pine Road and Plucks Road, Arana Hills – Intersection Upgrade

Moreton Bay Regional Council



Projex Partners were engaged to design and document the intersection priority change at Arana Hills. The upgrade of South Pine Road/Plucks Road intersection has provided improved road capacity and intersection performance, enhanced road safety, enhanced immunity from storm-water inundation, and improved amenity and appearance of the road corridor.

Max Morton Staircase, Arana Hills

Moreton Bay Regional Council



Projex Partners designed a pathway connection between Plucks Road to Minto Crescent, Arana Hills. The project provides an improved connectivity for pedestrians and cyclists heading north and south, and to provide a safer alternative to Dawson Parade for cyclists.

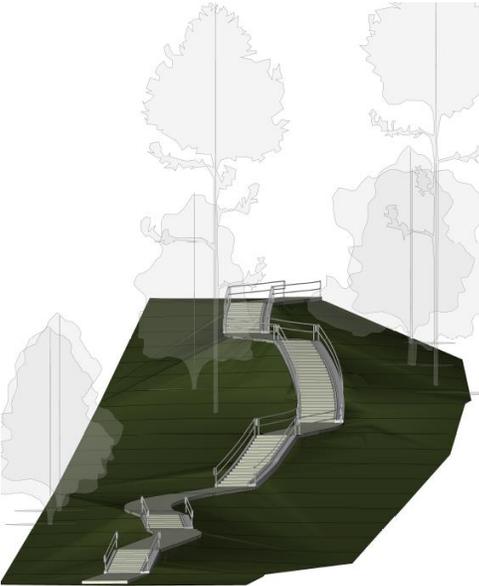
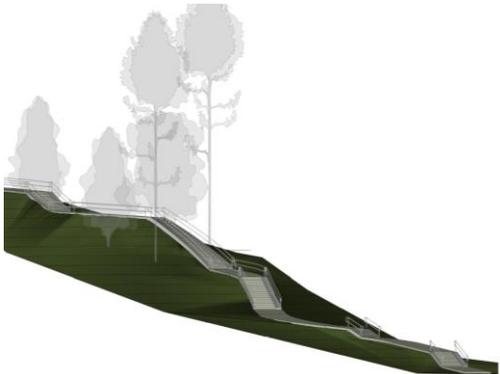
The stairs and pathway included a cycle 'push' ramp, pathway landings, improvements to affected residential driveways, LED lighting and concrete sleeper retaining walls.

PROJECT EXPERIENCE



Arana Hills - Plucks Road/Minto Crescent - Pathway

Moreton Bay Regional Council



Detailed design and documentation for a new 110m suspended walkway, including 5 stair flights due to the steep site topography (20m level difference). The pathway is required to cater for both pedestrians and cyclists through the use of ramped wheel tracks.

Mango Hill - Halpine Lake - Pathway and Pedestrian Bridge

Moreton Bay Regional Council



Design and documentation of approximately 400m of connection pathway between Mango Hill Station and Jasper Place, Mango Hill. The connection included a prefabricated pedestrian/cycle bridge that provides passage across existing drainage culverts adjacent to the Jasper Place pedestrian underpass. The bridge is approx. 17m span by 3m wide, with barriers designed for pedestrian and cyclists in accordance with AS5100.

PROJECT EXPERIENCE



Mooloolaba Foredune Stabilisation Geowall & Sand Replenishment Pipeline

Moreton Bay Regional Council



Planning design and approvals for the beach replenishment program infrastructure at Mooloolaba and extension of the sandbag wall at the Mooloolaba Spit toward the Mooloolah.

The project has been developed to provide a sustainable shoreline protection whilst minimising long-term environmental impact. The sandbag system chosen balances the environmental impacts with engineering requirements

Maroochydore Central Precinct – Initial Intersection Design

Sunshine Coast Council



Principal Consultant for the planning and design (including preparation and evaluation of options) for new intersections accessing the planned Maroochydore City Centre Priority Development area (\$30M). Input has included design associated with 2 major urban intersections on Maud Street, Maroochydore including design of roadway lighting and traffic signals and coordination of specialist sub-consultants for traffic modelling.



Mango Hill - Halpine Lake - Pathway and Pedestrian Bridge



Port Stewart Road Landslip Repair



Mary Valley Rattler

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