

CAPABILITY STATEMENT

FJATM

CONSULTING ENGINEERS

LOCATING

WATER





COMPANY OVERVIEW

FJA is an engineering consultancy providing technical, professional, advisory and construction services. We deliver consultancy services on complex infrastructure projects, focusing on minimizing construction risk. Our client portfolio includes land development, commercial and government clients across multiple disciplines.

FJA provides the following engineering services:

- Utility management
- Digital engineering & BIM
- Electricity & Street Lighting
- Water & Wastewater
- Utility Locating & Survey
- Sydney Water Section 73 & Tap in

MANGEMENT OVERVIEW

FJA is led by two directors; Jeremy Hopson and Ahmad Dorani. Jeremy and Ahmad are passionate leaders who believe in delivering quality and value. FJA are committed to continuous improvement and providing services which exceed both client expectations and ensure the business continues to meet all statutory and regulatory requirements. The team consists of technical staff ranging from principal engineers to undergraduate staff who collaborate and focus on delivering the best outcomes for our client base.

PROJECT & CLIENTS

FJA have worked with government agencies, councils, and tier 1 contractors to build several of the most exciting and distinctive projects across Australia. As a business, FJA are proud to contribute to the future and infrastructure of Australia.





SO, WHAT HAVE WE WORKED ON SO FAR?

FJA are proud to have worked on a number of infrastructure projects across Australia. We showcase below some of our major projects.

VICTORIA

EPPING ROAD
NARRE WARREN
CRANBOURNE
SUNBURY ROAD
NORTHEAST LINK
TENDER



NEW SOUTH WALES

SYDNEY LIGHT RAIL
AUSTRALIA AVENUE
STACEY STREET
TOWNSON ROAD
RICHMOND ROAD
M12
NEWELL HIGHWAY
PICTON ROAD
SYDNEY GATEWAY
WESTERN SYDNEY
AIRPORT METRO
S2B METRO
SINGLETON BYPASS
HEXHAM WIDENING

QUEENSLAND

LINK FIELD ROAD
UPGRADE
BRISBANE METRO
GOLD COAST LIGHT
RAIL





PROJECT: LINKFIELD ROAD UPGRADE

FJA is working alongside Arup to deliver design for the Linkfield Road Overpass Upgrade.

This project involves the upgrade and duplication of the Linkfield Road in order to reduce peak hour congestion and increase capacity. Hence improving safety at the Gympie Arterial interchange. The government is committed to manage progress to align with stakeholder expectations. This includes ensuring the design and construction meets environmental practices, minimizing traffic disruption, and improving the provision for active transport.

This road project may include:

- the upgrade of Gympie Arterial Road on and off-ramps
- installation of traffic lights at the on and off-ramps
- duplication of the bridge and allowing for separated facilities for pedestrians and bike riders

Project design is underway and is expected to be completed by early 2023. Construction is estimated to commence in mid 2023 and to be finished in mid 2025.





PROJECT: BRISBANE METRO

FJA, in collaboration with Acciona, are responsible for the ongoing Utilities Design and Management for Brisbane Metro.

Brisbane Metro is a high frequency, high-capacity rapid transport system spanning 21 kilometers of existing busway. The metro project will use the existing busway, along with modifications to existing infrastructure and targeted investment in new infrastructure including a tunnel underneath Adelaide Street connecting to King George Square Station, widening of O'Keefe Street underpass, and new depot facility for the vehicle fleet.

FJA worked closely with the Brisbane Metro design and construction team to develop a winning model in 12D. The business challenged the reference design to provide efficiency, allowing construction works to be unimpeded by utilities.





PROJECT: AUSTRALIA AVENUE

The Australian and NSW Governments are investing \$100 million to upgrade the intersection of Homebush Bay Drive, Australia Avenue and Underwood Road to ease congestion, increase safety and improve travel times and connectivity to Homebush and Sydney Olympic Park for all road users.

This project's benefits include:

- road capacity improvements to improve congestion
- improved road safety
- reduced travel times for all road users
- improved accessibility to Sydney Olympic park and surrounds

Currently, motorists are experiencing significant delays, long queues and wait times at the intersection, particularly during AM, PM and weekend peak periods, and during special events at Sydney Olympic Park.

FJA are engaged to provide utilities design and management throughout the design stage of the project.

Subject to project approval construction is expected to commence in 2025 and take about 18 months to complete.





PROJECT: M12

FJA in collaboration with GHD and Transport NSW, delivered detailed design for the M12 Motorway Central Package project.

FJA are the leading utility designers for this new landmarked motorway project. The project builds upon our longstanding partnership with GHD and allows us to showcase a number of BIM initiatives that we have been testing. Furthermore, FJA performed a gap analysis of existing utilities, impact assessment and clash identification.

The M12 motorway forms a part of the Western Sydney Infrastructure Plan (WSIP) road investment program. The new motorway will provide direct access to Western Sydney International Airport at Badgerys Creek and connect to Sydney's motorway network.

The purposes of the project are to improve traffic safety for road users and improve freight movement to key commercial centers. In addition to this, the motorway will reduce congestion impact on the community and businesses. It is also the provision for a future interchange connecting Mamre Road and Devonshire Road at the M12 Motorway.

The project commenced 04th August 2022 and is due to finish late 2025.





PROJECT: SYDNEY GATEWAY

FJA have proudly partnered with John Holland and Seymour Whyte to deliver the Sydney Gateway project.

The Sydney Gateway is a motorway connecting Parramatta to Sydney Airport. This transformative road project is a part of The NSW Government's vision; completing the missing links in the Sydney motorway network in order to improve traffic flow. Sydney Gateway will have the capacity to carry up to 100,000 vehicles a day, reduce road congestion and improve travel time by up to 40 minutes.

The project involves the delivery of two sections: The International Terminal and Qantas Drive connection. The Sydney Gateway will create an arterial road connection and flyover to Sydney Airport's Domestic Terminals, as well as improve the way we travel to Port Botany. The Gateway will also strengthen Sydney's position as a global city, by improving the existing road and freight rail networks, and importantly, will divert trucks from local streets in Mascot by providing a new route for around 10,000 trucks a day.

Within this project, FJA undertook Clash Analysis and provided space-proofing designs to resolve potential clashes. In addition, FJA worked closely with the contractor to deliver constructible utility designs and reduce scope of the works where feasible.





PROJECT: NEW ENGLAND HIGHWAY - SINGLETON BYPASS

FJA was proudly selected by Transport for NSW to deliver utility management for the New England Highway for the Singleton Bypass.

The New England Highway is part of the inland Sydney to Brisbane National Land Transport Network and the primary route connecting the Upper Hunter with Maitland and Newcastle. The highway passes through the centre of Singleton and carries around 26,000 vehicles, including more than 3700 heavy vehicles, each day. Traffic volumes are predicted to increase in the next 25 years. The planned bypass of Singleton would improve the movement of freight and journeys for current and future traffic demands.

FJA was engaged to undertake Detailed Design and Modelling of Utilities for the project, as well as management of the site investigation and federation of a 3D model. FJA also produced detailed design of Ausgrid electrical packages, Singleton Council water and sewer packages.

Construction is expected to start in late 2022 and be completed by late 2026.





FJATM

CONSULTING ENGINEERS

CONTACT:
Info@FJA.com.au