



Roads

Roads enable society to safely transport people, products and goods – they are integral to the way we live. The geometric design of a road is important to ensure assets are designed to optimise safety, efficiency, cost, and environmental impact. Civil engineers use the geometric parameters of alignment, profile, and cross-sections to produce three-dimensional layouts for roads for the purposes of visualising the asset, through to producing models to support construction.

Our Expertise

Engenium's civil engineering team work within a variety of sectors, across a variety of assets. Whether they are designing haul roads for heavy vehicles in flood prone areas (such as the Pilbara region of Western Australia), level crossings where road and rail assets interact, or culverts and floodway upgrades for existing road infrastructure, the civil engineering team bring a wealth of practical experience to maximise the financial value of your assets and minimise construction and operational risk.

Our Capabilities

Engenium's civil engineering and road design capabilities include:

- Urban and rural roads/highways
- Land development/subdivisions
- Mine site roads
- Sealed and unsealed roads
- Haul roads
- Roundabouts
- Intersections
- Rail/road level crossings
- Road and intersection pavement and seal design
- Road drainage
- Culverts and floodway design
- Piped drainage

If you require us to take on highly specialised activities as part of a broader scope of work (for example, traffic modelling and traffic/rail signals), we have strategic relationships with industry specialists to effectively deliver this work in an integrated manner.

Delivering Value. Delivering Results.