

Roads and highways



Nundah Bypass, Queensland

The bypass was completed ahead of time and within budget, alleviating the traffic bottleneck that existed in Nundah which was leading to traffic congestion and ultimately business decline. The successful engineering aspects of the project were a result of blending user considerations, sustainable development, aesthetic standards and community benefit.



Geelong Road Project, Maltby Bypass, Victoria

Arup worked closely with the contractor and client allowing existing heavy traffic flows to be maintained, tight deadlines to be met, extensive recycling of pavement materials used to reduce construction time and cost, and improved flood control to reduce the likelihood of inundation of traffic lanes.



South Eastern Arterial Grade Separations, Melbourne, Victoria

Arup contributed multidisciplinary engineering services on one of Melbourne's busiest roads. The upgrade to the freeway was undertaken whilst the arterial and cross roads remained in use. More than 170 000 vehicles a day passed through the construction site and over the course of the project, 400 different traffic plans were implemented, usually by reconfiguring intersections overnight.

Arup recognises the complexity of road and highway projects and integrates all aspects of design and construction through the ability to apply multidisciplinary services.

Multidisciplinary teams offer a complete service to clients including project management, planning, environmental and civil engineering, transport design and reviewing.

We are professionally committed to providing a deep understanding of all projects presented to us. By offering expertise of the highest calibre, we can meet expectations no matter the project scale and complexity – giving clients the real advantage.

We understand that roads and highways are not only about functionality – there are many stakeholders involved and a project can change and enhance the user's quality of life. Arup understands this, and through retaining open channels of communication ensures clients and stakeholders are involved and kept informed of progress.

We welcome a challenge that provides us with an opportunity to develop an innovative brief by creating an environment in which effective teamwork can flourish.

Arup staff are proactive in recognising issues and working to address them before they evolve into problems. We work with clients from project conception to completion, providing a full spectrum of services to meet differing project needs.

Our project portfolio covers:

- Highways
- Bridges
- Motorways
- Toll roads
- Rural and estate roads
- Interchanges
- Grade separations
- Earthworks
- Pavement design