



Road Engineering Capability Statement

Road engineering services covering the full life cycle of a project from feasibility through detailed design, procurement and construction.

pitt&sherry's road engineering services fit within our broader land transport infrastructure services including transport planning and modelling, traffic engineering, pavement engineering and bridge and road asset management services.

pitt&sherry provides a broad range of road design services to all three tiers of government, either directly or through the design and construct process.

As a national leader in highway engineering, we internally resource the professional skills required for all types of projects and our capability extends across the project cycle covering feasibility, detailed design, procurement and construction.

Feasibility

Development of a comprehensive highway solution depends on combining experience, skills and understanding of all the steps and processes involved including:

- Environmental considerations
- Scheme selection and feasibility
- Design clarity and presentation
- Public consultation
- Statutory requirements
- Contracts and site supervision

To identify the optimum route or scheme within a corridor we consider a balance of environmental and social impacts, land use and landscape, economic values and affordability.

Through innovative and complementary use of MX and 3D Studiomax, we present integrated visualisation solutions to deliver maximum value during the public consultation process. Alternative concept designs can be viewed from engineering, landscape, community and driver perspectives.



Detailed design

This phase is complex and intensive, requiring a team of broad ranging professionals to deliver an integrated set of design deliverables on time and on budget. The task requires:

- Road design modelling
- Hydraulic design, including water sensitive urban design techniques
- Noise modelling and mitigation design
- CAD documentation
- Technical specifications
- Tender preparation
- Engineering cost estimates

pitt&sherry uses state-of-the-art software packages including MX, XP-SWMM and AutoCAD to deliver advanced design solutions.

Procurement and construction

Our extensive experience managing the following processes during the procurement and construction phases guarantee successful outcomes for all parties:

- Tender evaluation and assessment
- Contract documentation
- Contract administration, including Superintendent and Superintendents Representative
- Site supervision, including material testing
- OH&S and environmental management auditing
- Traffic management
- Public contact



We provide a combination of these services under a broad range of delivery mechanisms that include contracts covering:

- Construct only
- Design and construct
- Design, build and maintain