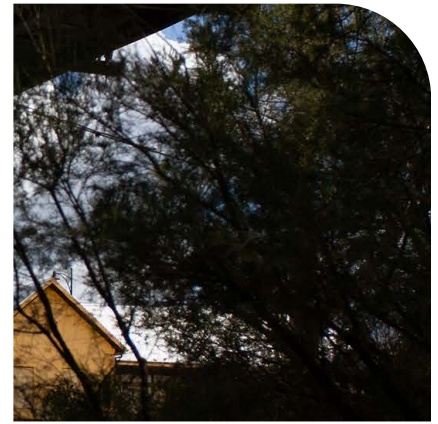




Design for Bridges



WML Consultants provides geotechnical design services for a wide variety of structures, including the design of bridge structures for a range of municipal, state and private clients.

We can provide the range of services needed for bridge designs of all sizes, including:

- Geotechnical investigations
- Deep and Shallow foundation design
- Retaining Wall Design
- Embankment and slope stability assessment
- Ground improvement
- Temporary works design
- Construction support and testing
- Geotechnical Design Verification

Our Design Methodology

WML believe in providing technically excellent solutions that are a best fit for the project. This starts from the investigation stage, with emphasis on investigation that really assesses what is going on. Overly conservative 'guesstimated' parameters may ultimately rule out construction options or result in excessive and unnecessary overdesign and cost. Our team at WML will obtain specific geotechnical design parameters and ensure we are exploring all opportunities to provide the best outcome for you and your project.

At concept and design stages, this involves an iterative and interactive approach, allowing for a refined design, that is both constructable and verifiable. Our experience in interaction with stakeholders, contractors and designers is vital to meeting project outcomes.

We also see it as important that our involvement continues into construction, as verification of the works as intended at design is an important aspect of the design. For bridges, that may involve pile testing, shallow foundation excavation inspections, backfill QA or ongoing settlement monitoring.

Recent Bridge Projects

WML has recently provided geotechnical investigation and design for the following MRWA bridges.

BR0594A Replacement of an existing bridge with a new single span concrete structure on shallow foundations.

BR3275 Bridge replacement with a new concrete single span bridge near Donnybrook, WA on piled foundations.

BR0682 Bridge replacement with a new two span bridge on piled foundations in the Shire of Victoria Plains.

BR3932 Bridge replacement with a new three span concrete structure in Mordalup, WA on piled foundations.

BR77A Replacement of an existing single span bridge, Southwest Highway near Albany.

BR81 Replacement of an existing single span bridge, Southwest Highway near Albany.