



ACE



**INFRASTRUCTURE
PTY LTD**

Ace Contractors
Group Pty Ltd
www.acecon.com.au



ACE CONTRACTORS GROUP PTY LTD

Ace Contractors Group is a collection of companies providing a diverse portfolio of services to clients since 1971. These services include civil, infrastructure, landscaping, electrical, environmental, equipment and water. We have the ability to combine our services to offer our clients an integrated service that mitigates interface risks.



Infrastructure Pty Ltd

Design and construction of works for statutory authorities such as VicRoads, V/Line, PTV, VicTrack, councils and Department of Defence. Infrastructure projects include roads, bridges, shared paths, public open spaces, and bus/tram/rail infrastructure.



Landscape Services Pty Ltd

Construction and maintenance of major landscape projects, including commercial developments, municipal parks and gardens, sporting facilities, streetscapes and plazas, and landscape works associated with public infrastructure.



Environmental Services Pty Ltd

Operation of waste transfer stations, active landfill disposal sites, and resource recovery facilities, landfill cell and leachate pond development, soil remediation, asbestos removal, and general environmental services to residential, industrial, municipal and commercial customers.



Civil Services Pty Ltd

Earthworks and civil services are associated with the construction of major roads, significant commercial and industrial developments, schools, universities, hospitals, defence sites, and correctional facilities, for example. ACE's scope is delivered via subcontract to construction companies due to the large scale of the projects. Scope elements include, but are not limited to earthworks, roads, footpaths, drainage, car parks and lighting.



Electrical Infrastructure Pty Ltd

Design, manufacture, installation, servicing and commissioning of switchboards, which includes motor control centres, high voltage switchboards, substations, PLC, control and SCADA systems. They also support other ACE companies with general electrical works and public lighting.



Water Services Pty Ltd

Design, manufacture and construction of water and wastewater infrastructure for water authorities. Works include pump stations, treatment facilities, water storage, channels, regulators, and meters.



Equipment Services Pty Ltd

Hire of construction plant and equipment. ACE Contractors Group has a modern fleet of GPS/LPS controlled earthmoving plant (excavators, dozers and graders).

ACE INFRASTRUCTURE PTY LTD

Since its inception in 2008, ACE Infrastructure has delivered a diverse range of infrastructure projects to clients in both the public and private sectors including:

- ▶ Vicroads
- ▶ V/Line
- ▶ Victrack
- ▶ MTM
- ▶ Department of Defence
- ▶ Deakin University
- ▶ Latrobe University
- ▶ Melbourne University
- ▶ Monash University
- ▶ Greater Metropolitan Cemeteries Trust (GMCT)
- ▶ City and Shire Councils
- ▶ Private and Property Developers

ACE's extensive experience and capability includes:

- ▶ Roads, intersections and signalisation
- ▶ Bridgework and structures (including strengthening and foundations)
- ▶ Rail Infrastructure (crossings, stations, platform extensions, bridges, carparks, embankment stabilisation)
- ▶ Pavements (carparks, roads, ports, logistics, airports)
- ▶ Recreational and community spaces
- ▶ Water and drainage infrastructure
- ▶ Bulk earthworks
- ▶ Noise and retaining walls
- ▶ Safety barrier systems and highway finishing works

With an experienced team of project managers, engineers and supervisors capable of executing a variety of construction projects, ACE Infrastructure's contribution to services in the public domain has a national reach. More recently, our capability to deliver technical infrastructure has been a recognised strength in the marketplace. We continue to focus on being the contractor of choice for road, bridge, and rail infrastructure.

The variety and complexity of projects completed by ACE continues to grow. It is a testament to the team's capabilities, their projects, and the continued trust and confidence our clients have shown in us to deliver.

ACE has a fully equipped plant and equipment workshop serviced by qualified tradespeople. We can source quality plant and equipment to meet specific project demands as a result of our longstanding relationships with equipment suppliers around the country.

In further support of quality outcomes, ACE Infrastructure can draw on the Group's wide variety of survey and machine control options to cater for specific projects needs. Our in-house expertise in the fields of civil design, survey and machine control management gives ACE the capability and confidence to tackle even the most technically complex projects to the tightest tolerances.

ACE uses Tokara software on projects, allowing office based engineers to view live streaming of the GPS controlled equipment operation in the field. This software enables staff to see progress on-site remotely. It also helps to troubleshoot issues, update computer models, produce as-built drawings and cut/fill reports in real-time without stopping the machines progress on-site. As a result, this improves safety and quality, the accuracy of reporting, work efficiency and time management.

*'Ace Infrastructure have been excellent to work with.
We have been impressed by their **project management,**
professionalism, consultative approach, and attention to detail.*

-Chris Rhoden, VicRoads



IN SAFE HANDS

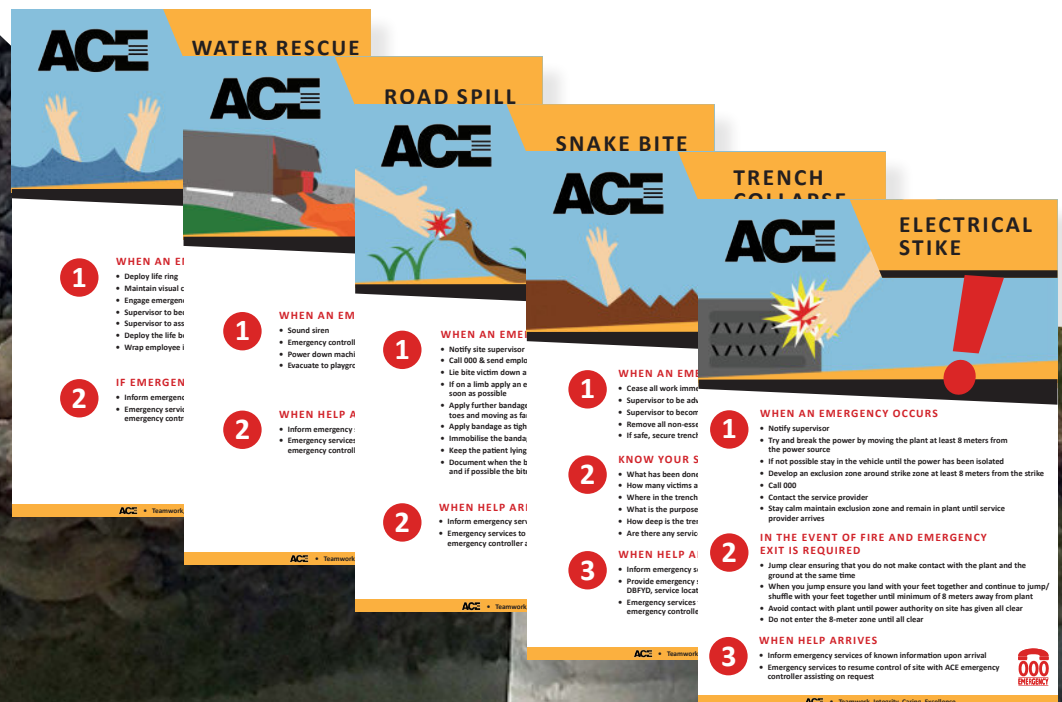
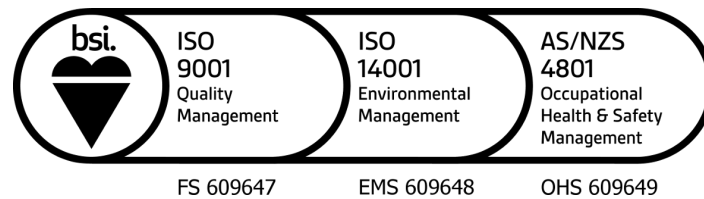
ACE works within a highly regulated environment, meeting international and national standards. Additionally most clients have their own stringent specifications and requirements that ACE must meet. ACE is compliant with the Building Code 2016 and Fair Work Act 2009. We are members of the Master Builders Association, the Civil Contractors Federation and Landscaping Victoria.

ACE Infrastructure has VicRoads prequalification for civil (road and bridge) construction (R4, B3, TGS and TMP) to financial level F75, for projects up to the value of \$75M. We have reciprocal prequalification in most states (Vic, NSW, ACT, Qld, SA and WA) under the national prequalification system.

We have an integrated management system accredited to the following standards:

- ▶ Australian Government Building and Construction WHS Accreditation Scheme, accredited by the Office of the Federal Safety Commissioner
- ▶ Occupational Health and Safety Management (AS/NZS 4801)
- ▶ Environmental Management (ISO 14001)
- ▶ Quality Management (ISO 9001)

These accreditations underpin our ability to tackle the most technically complex and commercially demanding projects safely, to a high standard and with a strong level of project management consistency.





**Project
Experience**

BRIDGE STRENGTHENING WORKS HUME FREEWAY AND GOULBURN VALLEY HIGHWAY VICROADS WESTERN REGION



5M



**Seymour,
Chiltern,
Shepparton,
VIC**



ACE managed numerous subcontractors to deliver structural steel and carbon fibre strengthening and associated works for nine bridges forming part of Australia's National Highway Network between Melbourne and Sydney. The projects aimed to increase the capacity of the bridges, improve safety and prolong their service life for the future.

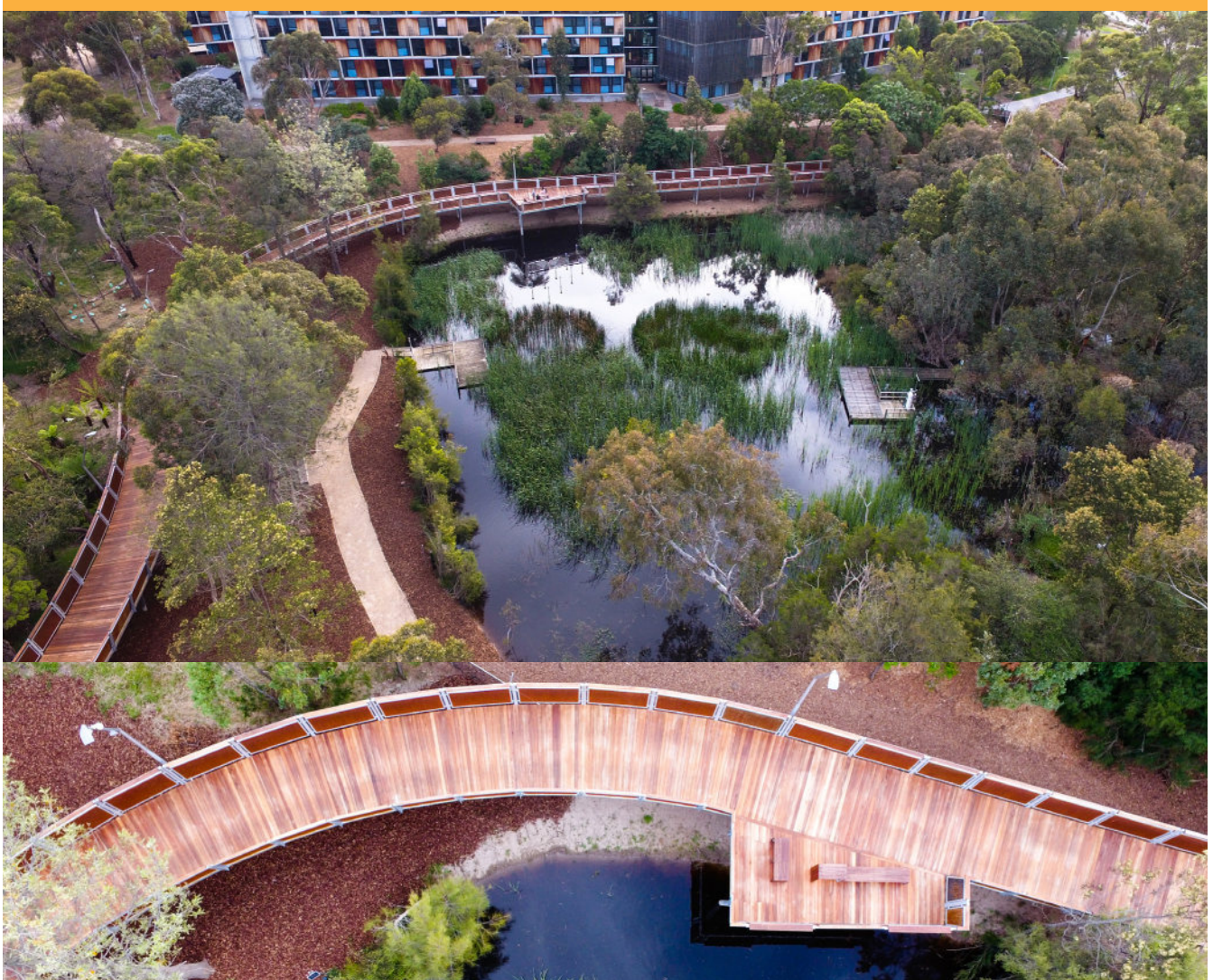
Seven of the nine bridges used carbon fibre technologies supplied by BASF Australia. Application of this type requires specialist techniques and expertise. ACE partnered with Aeramix, an industry leader with proven experience in the application of these types of materials.

Scope of works for the contract included:

- ▶ Carbon fibre strengthening
- ▶ Repair of nine bridges
- ▶ Managed within and over sensitive waterways and floodways
- ▶ Positioned on the two main highway routes between Melbourne and Sydney
- ▶ Working at heights

TAN TRACK/JOCK MARSHALL RESERVE NATURE WALK

MONASH UNIVERSITY



3.7M



**Clayton,
VIC**

As a part of Monash University's 15-year plan for their natural, historic Jock Marshall Reserve Nature Walk, ACE was contracted to undertake the construction and installation of a modular designed elevated timber boardwalk, along with landscaping works, including planting.

The elevated boardwalk provides safe access from Blackburn Road to the campus. ACE also undertook remedial works, new paving and construction of a 2km running track, with a 1km DDA compliant loop around the oval, featuring after-hours lighting, exercise stations and drinking fountains.

Scope of works for the contract included:

- ▶ Demolition
- ▶ Bulk earthworks
- ▶ Steel structure with timber decking
- ▶ Insitu concrete works
- ▶ Conduits and trenching works
- ▶ Pavement construction
- ▶ Piling works
- ▶ Dam wall works
- ▶ Retaining wall construction
- ▶ Installation of furniture and signage
- ▶ Installation of fencing and balustrades
- ▶ Planting, mulching and grassing
- ▶ Electrical works

PYKES CREEK BRIDGE STRENGTHENING

VICROADS SOUTH WESTERN REGION



3.5M



**Myrniong,
VIC**

This project involved 2 new cross-over pavements and one existing emergency cross-over to be re-surfaced. Once the freeway was closed, works could start on the bridge and upgrades of the Western Freeway bridge over Pykes Creek Reservoir on the Melbourne bound bridge. ACE Infrastructure Pty Ltd had undertaken steelworks on the northern bridge across Pykes Creek. The purpose of the works was to strengthen the existing structure, re-surface the bridge deck, and re-open to traffic.

Delivery Challenges:

- ▶ Complex traffic staging around tie in points requiring over 20 individual TMP's
- ▶ Long lead time for steel manufacture and shipping of TP components
- ▶ Survey challenging using total station, no good PM's or TBM
- ▶ As-built structure and water level drawings were hand drawn in feet and inches from 1968
- ▶ At time of award, piers 2 and 3 steel were under water, levels had to drop for installation
- ▶ Location of existing steel reinforcement was difficult to pinpoint for dowel installations

Learnings:

- ▶ Arbitrary Laser scan of under-side of bridge completed using new BM's
- ▶ Scaffolding and pontoons were used to access the under-side of bridge (normal scaffolding not practical)

CALDER HIGHWAY & SPECIMEN HILL ROAD INTERSECTION UPGRADE

VICROADS NORTHERN REGION



1.7M

This project involved the construction and upgrade of a fully signalised intersection and roadworks at the Calder Highway - Specimen Hill Road - Inglis Street intersection in Bendigo. This also included the sealed entry ways on all side roads.

Delivery Challenges for this project included:



**Bendigo,
VIC**

- ▶ Effective traffic management was essential. Planning and implementation in the form of staged construction allowed traffic movement to continue with minimal disruption, and ensured the safety of workers and pedestrians.
- ▶ Safety was paramount and was particularly critical due to the need for night works. Appropriate after care was provided.

VICTRACK CARPARKS



V/Line



**Various,
VIC**

Victrack had been commissioned by the Victorian Government to construct new car parking spaces at various stations throughout the Victorian railway network. Victrack engaged ACE to deliver new car parking spaces at the following stations: Gisborne, Kyneton, Castlemaine, Kilmore East and Wallan. Works included construction and extension of car parks, new pavements, kerbs, footpaths, landscaping, CCTV and public lighting at a cost of \$10m.

DESIGN AND CONSTRUCTION OF TALBOT RAILWAY STATION



V/Line



**Talbot,
VIC**

ACE Contractors Group designed, constructed and commissioned all necessary infrastructure works to enable V/Line to commence passenger services from Talbot Station. The project required amendments and expansion to the existing infrastructure to allow the passenger rail service between Ballarat and Maryborough to stop at Talbot. ACE supported V/Line during various onsite community consultation meetings.



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**11-13 Moncrief Road
Nunawading
Vic 3131**

**Ph: (03)94313944
Fax: (03)94313842
www.acecon.com.au
info@acecon.com.au**