



CIVIL CONSTRUCTION TECHNICAL TRAINING PROGRAM

Structures Construction

The course covers aspects of structures construction (piling, temporary works, concrete quality and pre-cast concrete, pre and post tensioning, reinforced soil walls, steel fabrication) which are critical components of any civil construction project. Ensuring your team is equipped with introductory knowledge of current technical standards and construction methods is vital for delivering transport infrastructure projects in Victoria.

The scale, complexity and breadth of major road projects across Victoria is on the rise, with unprecedented investment in the State's road infrastructure.

Structures Construction on Major Road Projects covers best practice in structures construction including the rationale and key considerations for construction design and methodology. This course reflects the current specifications and standards for structures construction for Victorian road and bridge projects. It has been designed and delivered by Major Road Projects Victoria, on behalf of the Victorian government's Major Transport Infrastructure Authority, and in partnership with the Australian Road Research Board.



Course content

Structures Construction on Major Road Projects is designed to enhance participants basic structures good practice knowledge and provide confidence on when to request clarification of site works during the construction phase. The course provides best practice and up to date advice on relevant legislation, specifications, and requirements.

This course will be run over 2 days in person.

For more information, visit arrb.com.au/mrpvtechnicaltraining

The aim of this course is to enhance participants basic structures good practice knowledge and provide confidence during structure construction.

Topics include

- Piling
- Temporary Works
- Concrete Quality
- Pre-cast Concrete
- Pre and Post tensioning
- Reinforced Soil Walls
- Steel Fabrication.

Course content is aligned to current Victorian structures design and construction specifications and standards.

Learning objectives

At the completion of the training, participants will have consolidated their existing skills and knowledge of structures construction, and will have gained a better understanding of:

- The relevant specifications and requirements for structures construction
- The change management process if issues are encountered during structures construction
- Safety, off-site and on-site in structures construction
- Sampling, testing, results, and assessment
- Quality Control during and post-construction
- Post-construction issues and how to avoid them during design and construction.

Program structure

This program is delivered face to face over 2 days. Participants will receive a Certificate of Attendance upon completion

Civil Construction Technical Training Program

This training module is part of the *Civil Construction Technical Training Program*.

Developed by Major Road Projects Victoria, within the Victorian Government's Major Transport Infrastructure Authority, and in partnership with the North East Link Project, and the Victorian Department of Transport, along with industry, the Civil Construction Technical Training Program will help you build the key competencies your team needs to deliver major transport infrastructure projects for the Victorian government.

For more information on Civil Construction Technical Training Program, visit the careers page on the MRPV website.

About Australian Road Research Board

The Australian Road Research Board (ARRB) is Australia's National Transport Research Organisation.

ARRB are Australia's source of independent, expert transport knowledge and research. They advise key decision-makers within all levels of government, road agencies, and the private sector, on our nation's most important transport challenges and how to solve them.

ARRB's six pillars – Sustainability and Material Performance, Safer Smarter Infrastructure, Asset Performance, Mobility Futures, Infrastructure Measurement and Road and Transport Certification.

ARRB also produce standards, guides, and specifications for Australia's road, transport and mobility industry.

About the Major Transport Infrastructure Authority and the Department of Transport

The Major Transport Infrastructure Authority was established on 1 January 2019 to oversee the major transport projects in planning and construction and is comprised of the following project teams:

- Major Road Projects Victoria
- Level Crossing Removal Project
- North East Link Project
- West Gate Tunnel Project
- Rail Projects Victoria.

The Major Transport Infrastructure Authority works closely with the Department of Transport to ensure major construction activities are coordinated across the transport network. We also work with industry to ensure it has the skilled workers needed to deliver Victoria's massive construction program. The *Civil Construction Technical Training Program* is one example of how we do this.

Find out how we're building big at bigbuild.vic.gov.au

To talk to us call 1800 105 105 any time.

If you're deaf, or have a hearing or speech impairment, contact us through the National Relay Service – for more information, visit relayservice.gov.au



For other languages
call 9209 0147



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