

# Public Works Foundations Program



## Course Outline

### Public Works Foundations

#### What is the Public Works Foundations course?

This course is one of eight **Public Works Foundations Program** courses curated by IPWEA Victoria to develop the skills of public works professionals in key responsibility areas. Each course comprises four 4-hour sessions presented over consecutive weeks.

#### Course Overview

Public works professionals are responsible for the design, construction and maintenance of community infrastructure. Typically employed by state government (e.g. water authorities) or local government (i.e. Councils), they may alternatively have a private sector employer but be engaged to provide specialist design advice to state or local government clients.

This course provides insights into the breadth of public works engineering and the unique governance requirements of a public sector role.

#### Modules

Session 1: **Introduction to Public Works**

Session 2: **Traffic, Transport and Roads**

Session 3: **Sustainable Development**

Session 4: **Capital Works & Asset Management**

#### Learning Objectives

After completing this course, participants should have a foundational understanding of:

- Federal, state and local government infrastructure responsibilities
- Local government functions, legislation, structure and powers
- Council Engineering Directorate roles, responsibilities, relationships and obligations
- Traffic management, public safety, accessibility and efficiency
- Road management, design, construction and maintenance
- Stabilisation fundamentals and pavement design, construction and maintenance
- Land development challenges, opportunities and success factors
- Subdivision design, statutory planning and construction supervision
- Integrated water management, water quality improvement, urban green and cooling
- Project management, leadership, costing and quality delivery
- Procurement principles, roles and responsibilities, methods and bid evaluation
- Infrastructure asset management, sustainable service delivery and financial planning

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## Delivery

The course is presented online to maximise accessibility for regional & interstate participants.

## Facilitator

**Mark Varmalis BEng (Civil), Grad Dip Municipal Engineering & Management, GAICD**

Mark Varmalis is an experienced executive leader of local government where for almost 40 years he delivered and oversaw the improvement of services and infrastructure for communities. For the past 14 years Mark has led teams as a Director, delivering functions and services in Engineering and Infrastructure, Environment, Sustainability, Waste Management, Fleet Management, Parks and Open Space, Facilities Maintenance, Aquatics, Recreation, Capital Works planning and delivery, and Asset Management.

As a senior executive he has extensive local government experience relating to customer focus, corporate governance, procurement, budget and financial management, legislation requirements, corporate planning and performance and organisational strategy.

## Who should enrol?

This course has been developed for emerging leaders and recent entrants to the public works sector to build familiarity with the unique nature, responsibilities and opportunities of a career in public works engineering.

## CPD and Badge

The course provides 16-hours of professional development. A digital badge is provided on completion for social media application and Public Works Foundations Program graduates will be awarded a **Certificate of Public Works Engineering**.

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## Course Partners

