



## Topics

- Role of the supervisor - planning and managing projects
- Planning of projects
- Compaction - plant selection & productivity; effective rolling/compaction demonstration; soil compaction additives
- Surveying - latest equipment, basic set-out & level control
- Drainage structures - installation; hydraulic capacity
- Financial planning
- Changes to flood damage rules; NDRRA - how it works
- Good practices in gravel road maintenance
- Environmental induction
- Confined spaces
- Measurements of areas, volumes and pavement construction calculations
- Culverts: use of concrete and aggregates, soil relationships
- Polymer modified bindings
- Pavement drainage
- Environmental and cultural heritage
- Road construction and maintenance
- Signage and traffic control at worksites

CPD points for CPEng & RPEQ = 12 hrs

## Course overview

The purpose of the training is to provide some guidance for supervisors, works staff and young engineers in preparing, organising, managing, undertaking and completing works. It covers methodology in all aspects of the work, with reference to legislation and regulations applicable to the task. The program also includes group workshops for practical application.

## Designed for

Field staff in city, urban and country environments

## Handbook - Learning and Development for Supervisors

IPWEA Queensland has produced a handbook for use by works supervisors and works staff, within local government, public works, construction and contracting industries in city, urban and country environments. It will also be of value to young engineers as they gain experience in the field. The handbook allows members of the workforce to learn what 'works staff' do and open up opportunities for workers seeking advancement in their careers. Encompassing such a broad range of activities, the handbook is written at a 'not-too technical' level.

Assistance of more qualified personnel should be sought as required.

The handbook will be the practical reference book used during the training, and a copy must either be purchased or brought to the training program.

\*A Supervisors Handbook is essential for each delegate attending this workshop

## Presenters

### Tony McDonald

Tony McDonald is employed as a Senior Project Manager for Highland Infrastructure Group currently working with Local Government in the delivery of the flood restoration program. He has over 43 years' experience in Local Government working for Wambo, Esk, Stanthorpe and Cambooya Shire Councils and Toowoomba Regional Council, specialising in planning, design, construction, maintenance and supervision of Local Government infrastructure and plant management.

Tony was the 2009 recipient of the IPWEA Queensland Senior Technical Officer of the Year Award.

### Ross Guppy

Ross has over 29 years experience in the road and transport infrastructure sector, including 28 years with the Queensland Department of Transport and Main Roads (TMR). During Ross's time with TMR, he held various specialised engineering and senior executive roles across the technologies of Pavements, Materials, Geotechnical, Project Delivery, Contracts & Standards, Asset Management, and Road Design.

Ross was a member of the team that won an IEAust Engineering Excellence Award (QLD) for the Road Planning and Design Manual. He has also had significant input to a wide range of technical standards including TMR's Standard drawings, specifications and prequalification systems.