Overview
There are situations where the application of higher order road design principals become impractical or even unachievable due to a combination of constraints. “All road design is a compromise between the ideal and what is a reasonable outcome eg in terms of cost, safety, driver expectation, economic drivers, environmental impacts and social issues” (Transport Association of Canada – adopted by Queensland TMR).

Austroads has provided guiding principles for designers and engineers to enable them to investigate a safe alternative for situations that do not fully fit within the normal design domain guidelines. Extended Design Domain (EDD) offers a robust process with reasonable capability still afforded to the travelling public.

Who should attend
This program has been designed for those involved in the planning and design of roads infrastructure, particularly restoration works and brownfield projects. Attendees are expected to have an in-depth knowledge and practical experience in road design principles.

Attendees will include:
• Design Engineers
• Planners
• Technicians
• Consultants

Outcomes
Trying to understand how EDD should be applied can be a daunting task. This program offers a solid base for understanding issues such as:
• In what situations should EDD be applied?
• How and why are design parameters chosen (eg Object Height, Stopping Sight Distance)?
• Do other factors need to be considered?
• How do combinations of parameters combine?
• Are there any ‘show stoppers’ that may preclude the use of EDD?
• What are the requirements for documentation and legal implications?
• How is this maze of calculations navigated and what do they all mean?

Learning strategies
The following learning strategies will aim to assist attendees with the implementation of investigative processes, provide guidance for design requirements for what minima can confidently be applied and where additional capability should be provided in order to provide a safe environment to road users.
• Lectures
• Case studies
• Group discussions
• In-class activities
• Worked examples

Duration
Two (2) days

Register online at www.ipweaq.com/courses

Contact
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CPD Hours
for RPEQ and
CPEng:
14 hours