



Queensland

IPWEA

INSTITUTE OF PUBLIC WORKS
ENGINEERING AUSTRALASIA

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TREATMENT OF CRASH LOCATIONS

Overview

The treatment of crash locations involves the application of road safety engineering knowledge and experience to make roads safer after crashes occur. This program will explain the step-by-step process of how to: identify crash locations; diagnose the crash problem and its causes; select a countermeasure which targets the problem; and design a safe remedial treatment and establish its cost-effectiveness. The workshop acknowledges and follows the current Road Safety paradigm, the Safe System approach.

Based on the 2nd Edition of the Guide to Road Safety Part 8: Treatment of Crash Locations, this workshop will incorporate the results of crash data analysis and other resource material for the relevant jurisdiction.

Content

- Reactive, proactive and predictive components within a road safety strategy
- Providing a Safe System
- Road safety engineering
- Human factors
- Police investigation
- Identifying crash locations
- Diagnosing the crash problem at the site
- Selecting an effective solution
- Crash costs
- Economic appraisal
- Monitoring and evaluations

Learning Strategies

- Lectures
- Case studies
- Group Discussions
- In-class activities

Who should attend

The workshop is primarily aimed at, but not limited to:

- Traffic and road safety engineers
- Road safety practitioners
- Road design consultants; traffic consultants
- Engineers requiring specialist training in crash investigation and treatment

- Local government engineers and road safety officers
- State Road Authority engineers who deal with black spot investigations
- Engineers looking to develop specialist skills for career development
- Police involved in crash investigations

Outline

Day 1 will focus on:

- Current trends, patterns and challenges in road safety
- Overview: Road safety engineering and crash investigation
- Components of the traffic system
- Steps in the crash location treatment process
- Sourcing and understanding crash data
- Identifying crash locations
- Diagnosing the crash problems at a site
- Diagnosing the crash problems
- Converting a crash problem into a solution – countermeasure principles
- Solutions and percentage effectiveness

Day 2 will focus on:

- Converting the crash problem into a solution – selecting an effective solution, including available tools and guidance
- Is a yearly increase in crashes significant?

- Writing the crash location report
- Crash costs
- Undertake a case study economic appraisal
- Monitoring and evaluation
- Putting it all together

Course materials

Participants are required to bring a copy of the Austroads Guide to Road Safety Part 8: Treatment of Crash Locations - available now to anyone as a free downloadable PDF via the Austroads website.

Register online at

www.ipweaq.com/courses

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