



Speed Fundamentals (RPD208)

Overview

This program is designed to develop the required knowledge and skills to apply the fundamentals of vehicular speed along the road network. Interactive lectures, discussion, real life case studies and exercises form the basis of this program.

Target audience

All personnel and contractors who are or will be involved in the planning, design and management of road infrastructure projects.

Prerequisites

Nil.

Business benefits

This program will enhance participants knowledge and skills in interpreting and/or preparing detailed civil engineering design projects consistent with the Department of Transport and Main Roads standards.

In addition it will strengthen participants proficiency in the application of traffic speed fundamentals by investigating motorist behaviour and expectations to enhance safety and minimise risks.

Duration

1 day

Program outcomes

Upon completion of this program participants will be able to:

1. understand the principals of speed and apply it appropriately to Road Design in accordance with accepted engineering standards and guide manuals
2. by way of both theoretical and practical tutorials, integrate speed knowledge into the detail design and/or management of the department's projects utilising:
 - operational or design speed formulas
 - sight distance formulas.

Program content

- Overview of Transport and Main Roads design manuals and requirements
- Speed terminology
- Analysis of recorded speed data
- Design speed practice including Limiting Curve Speed
- Operating Speed Model and its application