COURSE PROGRAMME

TRAFFIC IMPACT STUDIES: A COMPLETE STEP BY STEP TRAINING COURSE ON HOW TO PREPARE TRAFFIC IMPACT STUDIES

DAY 1

1. Introduction
2. Legislative framework for traffic impact studies
3. Key traffic assessment and land use definitions
4. Traffic impact assessment steps and procedures
5. Overview of the SPLUMA process and relation to traffic impact studies
6. Understanding the interrelationship between land use, town planning and traffic impact studies information and requirements
7. Functional Road classification requirements for traffic impact studies
8. Preliminary Traffic Assessment
9. Traffic impact study area

DAY 2

1. Background information for traffic impact studies
2. Site investigations
3. Other approval authorities and requirements for traffic impact studies
4. Assessment years, days and peak hours for traffic impact studies
5. Traffic surveys, Trip generation, Trip types and Trip reductions
6. Calculations for Trip generation and Trip types
7. Trip distribution and Traffic Assignment
8. Calculations for Trip distribution and Traffic Assignment
9. Deriving the total traffic impact demand
10. Implications of key assumptions for traffic impact studies
11. Traffic impact assessment scenarios and analysis
12. Transport mitigation measures for traffic impact studies
13. Site traffic impact studies
14. Traffic analysis basics

DAY 3

1. Overview of Uninterrupted and Interrupted transport facility analysis using Highway Capacity Manual
2. Highway Capacity Manual simplified methodology for level of service calculations
    a. Freeway facilities
    b. Signalised intersections
    c. Two-way stop control intersections
    d. Roundabouts
    e. Pedestrian facilities
    f. Bicycle facilities
    g. Urban street segment analysis
    h. Examples for application of simplified HCM methodology
3. Traffic Impact Study example
4. Traffic Impact Study exercise for delegates