

STREET DESIGN IN PRACTICE

Overview of the Course

Topic 1

Origins of alternative street design.

Examples of layout principles that challenged conventional highway design and traditional UK engineering.

Topic 2

Review of existing guidance and interpretation of the guidance.

Topic 3

Manual for Streets and Manual for Streets 2 – an overview of the approach which is now actively being encouraged in Manual for Streets, highlighting both good and poor design solutions.

Focus on how new development proposals meet expectations to make places rather than roads.

Topic 4

Encouragement of private sector clients and communities to consider application of the principles of alternative street design.

The six main challenges to overcome and how these can be addressed:

1. Risk (including road safety issues and safety audits)
2. Materials (cost and acceptability for adoption)
3. Parking (provision, design, management)
4. Disabled and vulnerable groups issues
5. Street clutter
6. Cost/funding.

And one other: different cultures.

Topic 5

Should Engineers think?

When do standards apply?

What is the impact of including standard designs, in a standard way in a non-standard setting?

Aspects of detailing that must be considered, and alternative simpler (and cheaper) design detailing.

Topic 6

Review of recent schemes and associated problems and challenges.

Details that work and discussion of details that may not work or could be improved. Some interesting aspects of MfS2.

Conclusions.

The future?