

**CSS & UNIVERSITY
EDUCATION**

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What Should we Teach?

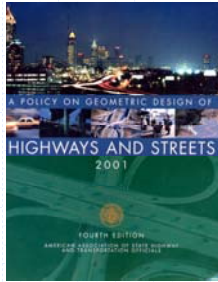
- WImportance of CSS
- WCSS and Project development
- WMulti-disciplinary teams
- WMulti-modal solutions
- WCommunication skills

Purpose & Learning Objectives

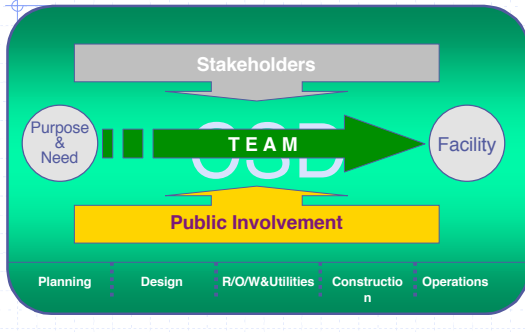
- WTo introduce the concept of CSS
- WTo demonstrate the process of context sensitive transportation solutions
- WTo understand reliance on other experts
- WTo experience the process through case studies and projects

Basic Tenets: Flexible Design

- W Guidance
- W Final design more than formulas
- W Starting point for designs
- W Understand area context



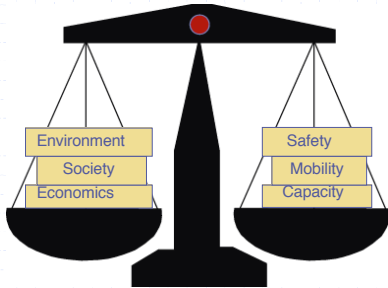
Basic Tenets: Collaboration



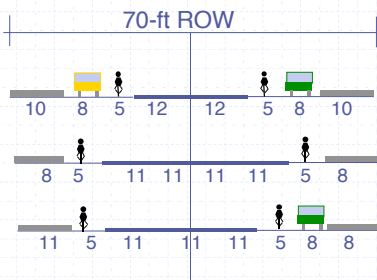
Basic Tenets: Design Principle

- Well designed transportation facilities
- W Handle traffic efficiently and safely
- W Fit nicely into their surroundings
- W Address community's needs and desires

Basic Concepts: Balancing



Basic Tenets: Different Answers



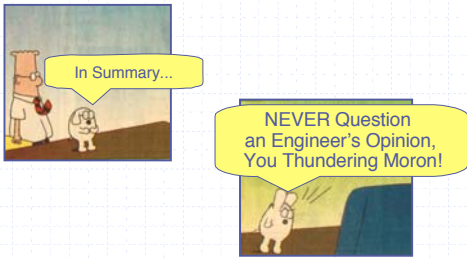
Basic Tenets: Listen to the Public



Basic Tenets: Team Work

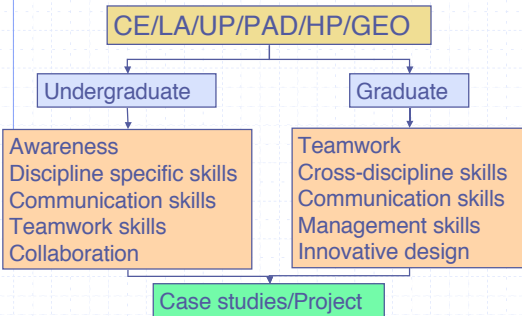


Basic Tenets: Open Mindness



from DILBERT by Scott Adams
4/14/96

To Whom Should we Teach What?





Univ. of Kentucky Example

WUndergraduate CE

- n Two courses
- n CSD emphasis
- n Case studies/design project

WGraduate

- n Two courses, year-long program
- n Multi-discipline
- n Case studies/community project



Obstacles

WAcademic structure

- n Discipline oriented education
- n Credit hours for degree programs

WResources

- n Faculty
- n Time

WFaculty
