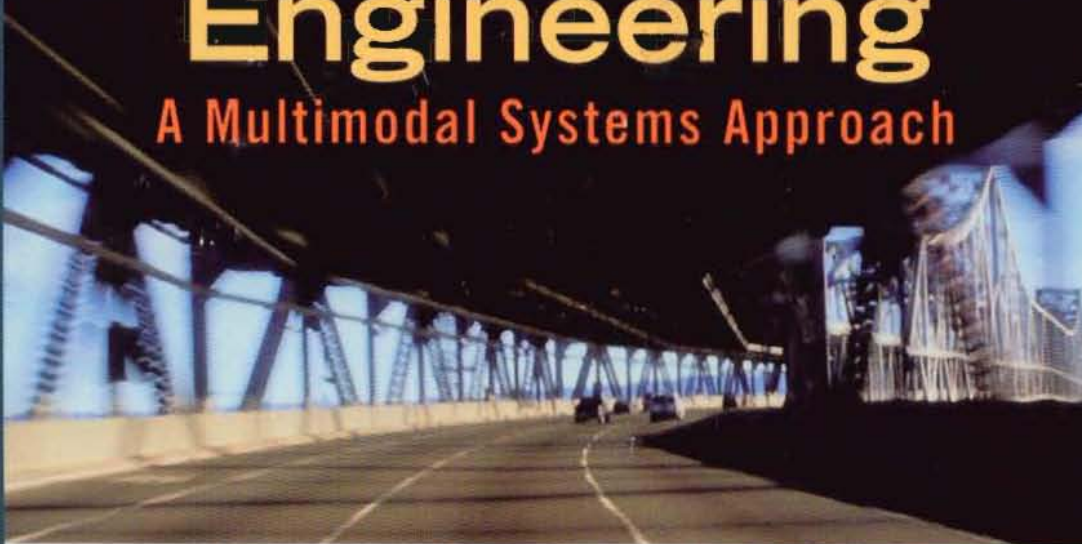




Pearson International Edition

Fundamentals of Transportation Engineering

A Multimodal Systems Approach



Jon D. Fricker | Robert K. Whitford

Preface

Between the two of us, we have taught a course called “Introduction to Transportation Engineering” more than 30 times since the Fall semester of 1984. As we worked together to improve the course, we continued to move farther away from the textbook that we had adopted. We began to assemble a set of course notes that, over time, began to resemble chapters of a textbook. Although we think there are several good transportation engineering books on the market, none of them seemed to fit our style of teaching and, more importantly, the styles of learning that we see in our students. We prefer to encourage classroom discussion, use computer tools to augment lectures, form small groups for in-class discussions or out-of-class problem solving, and base assignments on real-world situations. We see the need to lead students toward improved learning and away from the usual practice of using class time for extensive note taking.

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1. Integration of topics
2. Clear, enunciated objectives
3. Special discussion boxes
4. A large number of examples that are based on real situations
5. Hundreds of photographs and other illustrations.

These features are continued in this textbook.

SEQUENCE AND FLOW OF TOPICS

An introductory course in Transportation Engineering is susceptible to being simply a series of fragmented topics. We have addressed this problem in several ways:

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