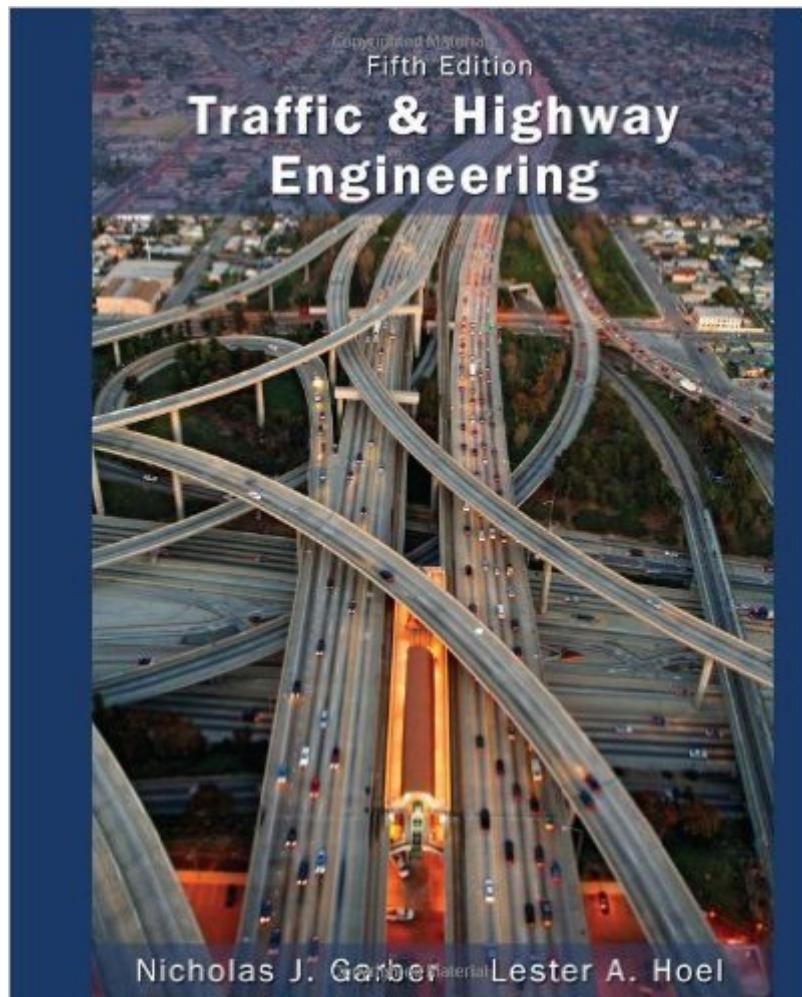


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# Traffic And Highway Engineering



## **Synopsis**

The new edition of Garber and Hoel's best-selling TRAFFIC AND HIGHWAY ENGINEERING focuses on giving students insight into all facets of traffic and highway engineering. Students generally come to this course with little knowledge or understanding of the importance of transportation, much less of the extensive career opportunities within the field. Transportation is an extremely broad field, and courses must either cover all transportation modes or focus on specifics. While many topics can be covered with a survey approach, this often lacks sufficient depth and students leave the course without a full understanding of any of the fields. This text focuses exclusively on traffic and highway engineering beginning with a discussion of the pivotal role transportation plays in our society, including employment opportunities, historical impact, and the impact of transportation on our daily lives. This approach gives students a sense of what the field is about as well as an opportunity to consider some of its challenges. Later chapters focus on specific issues facing transportation engineers. The text uses pedagogical tools such as worked problems, diagrams and tables, reference material, and realistic examples to demonstrate how the material is applied.

## **Book Information**

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Average Customer Review: 4.4 out of 5 starsÂ  See all reviewsÂ  (25 customer reviews)

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## **Customer Reviews**

As the transportation professor at West Virginia University, I take issue with the review from Braxton Lewis (one of my former students). This book does not have errors and we have been using it at West Virginia University for 12 years and will continue to do so. The book covers all the major

concepts needed to prepare students for advanced courses in transportation. Each chapter is well-written and gives just the right level of detail and technical content. One very nice feature is that the book includes the charts, tables, etc from the design guides where appropriate. This way, the concepts are presented cleanly without students having to fumble through the various codes and design guides as they try to learn the concepts.

I purchased this book to review Transportation Engineering for my PE exam. This is a GREAT textbook. It includes an overview of all the important transportation topics in an easy to understand format with illustrative examples. I do warn, however, that there are a few key typos, but overall, this helped me immensely in my preparation for the PE exam.

I plan on using this as a reference textbook for my PE exam this fall. Definitely looks more comprehensive than other transportation textbooks I've seen in the past. Will be a great tool for the exam.

My review of "Traffic and Highway Engineering" posted March 31, 2003 was mistakenly attached to this Newer "Revised" Edition of the text. The original review, for an earlier version-ISBN: 0534387438, was left while I was an undergraduate student of West Virginia University's Civil Engineering program. I am not familiar with this Revised Edition and therefore cannot comment on it. Thank you Dr. Martinelli for pointing out this error.

I wished I would have had this years ago. Just like the prof says, it includes the tables you need. My friend used this on the PE. He said he used it a lot. He passed, I failed. The Lindeburg book is horrible for the afternoon. Use this book and work through the problems as a prep. It even had questions/examples of topics identical to some PE PM problems that Lindeburg & my other texts didn't even mention. Maybe I'll pass this time.

Great "all-in-one" reference for Traffic & Highway Engineering. Definitely recommend for students planning to take the transportation portion of the PE examination, will eliminate the need to haul multiple textbooks.

Not to be a downer but this left a lot to be desired not only can you only read it on your pc the format isn't that great... Of course this should improve as the media advances and becomes more popular.

I used this book for my transportation class and it has a lot of useful information, I will also use it to study for the FE.

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