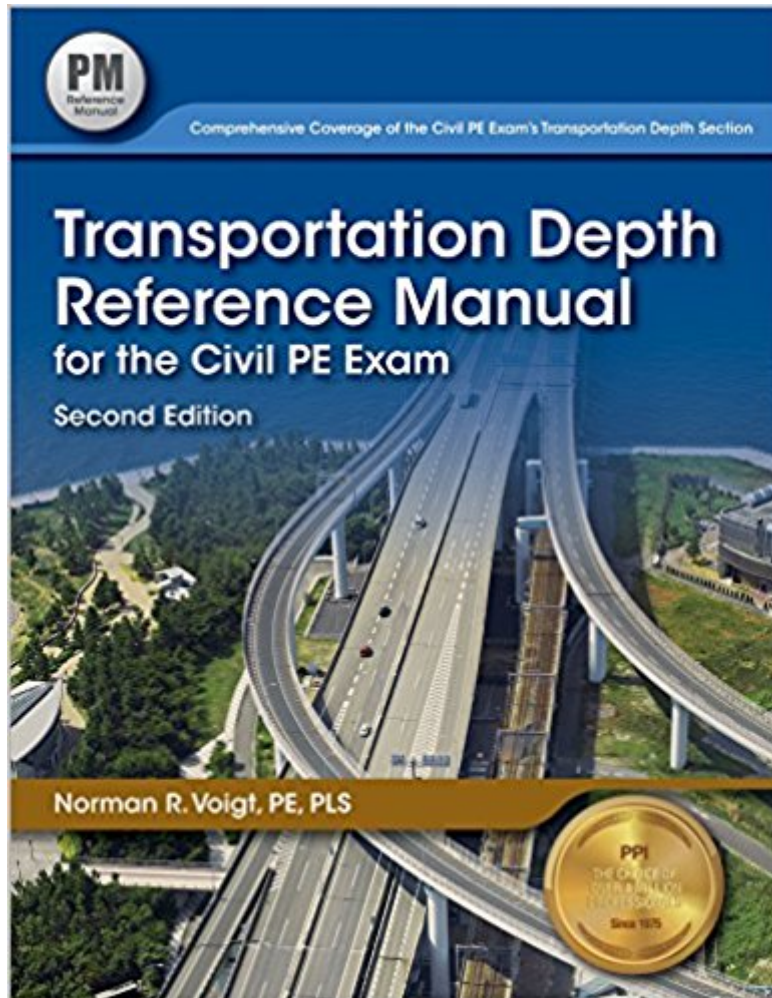


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# Transportation Depth Reference Manual For The Civil PE Exam, 2nd Ed



## Synopsis

Comprehensive Coverage for the Civil PE Exam's Transportation Depth Section To succeed on the Civil PE exam's transportation depth section, you'll need to know the exam subject matter and how to efficiently solve related problems. The Transportation Depth Reference Manual provides a concise but thorough review of the exam topics and associated equations. Its 48 example problems show how to apply concepts and equations to solve exam-like problems. More than 25 end-of-chapter problems provide opportunities for independent problem-solving practice, and step-by-step solutions allow you to check your solution approach. Just as important as exam topic knowledge and an efficient solving method is quick access to the information you'll need during the exam. This book's thorough index will direct you to what you're looking for. You can locate related support material by following the references to the 297 equations, 119 tables, 113 figures, and 36 appendices, and to the exam-adopted codes and standards listed below.

AASHTO Green Book, 6th edition (2011)  
AASHTO Guide for Design of Pavement Structures (1993, and 1998 supplement)  
AASHTO Roadside Design Guide, 4th edition (2011)  
AASHTO Mechanistic-Empirical Pavement Design Guide: A Manual of Practice, interim edition (2008)  
AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities, 1st edition (2004)  
AASHTO Highway Safety Manual, 1st edition (2010)  
AI The Asphalt Handbook, 7th edition (2007)  
FHWA Hydraulic Design of Highway Culverts, 3rd edition (2012)  
HCM (2010, with changes through 2014)  
MUTCD (2009, including revisions in 2012)  
PCA, 16th edition (2016)

Exam Topics Covered  
Alternatives Analysis  
Construction Operations and Methods  
Geometric Design  
Pavement Design  
Pedestrian and Mass Transit Analysis  
Traffic Control Design  
Traffic-Safety  
Transportation Engineering

## Book Information

Paperback: 350 pages

Publisher: Professional Publications, Inc.; 2 edition (July 24, 2017)

Language: English

ISBN-10: 1591264685

ISBN-13: 978-1591264682

Product Dimensions: 8.5 x 0.7 x 11 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

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Norman R. Voigt, PE, PLS, is registered as both a civil engineer and land surveyor in Pennsylvania. He has managed and been responsible for surveys, design, construction, maintenance, and inspection on highway, railroad, and transit projects. Since 1974, he has taught and acted as curriculum coordinator for The Pennsylvania State University's Civil PE exam review course. He has been an adjunct lecturer at the University of Pittsburgh, and continues to participate on the senior design project review panel. Mr. Voight is an author of Civil PE exam review books and a long-time advisor for PPI's online courses. He holds bachelor of science and master of science degrees in civil engineering from the University of Pittsburgh.

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