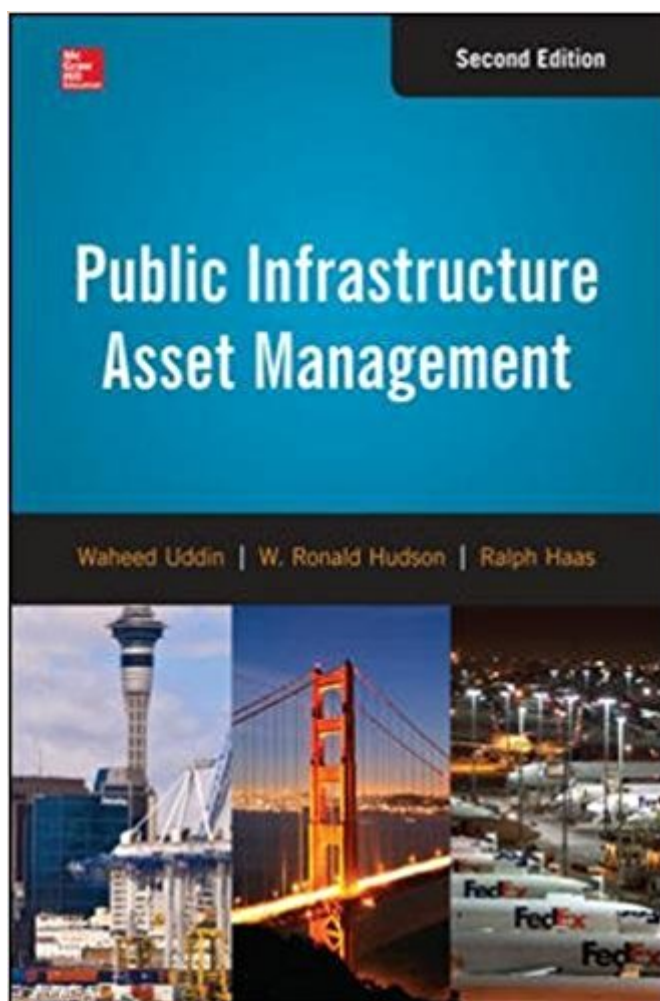


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# Public Infrastructure Asset Management, Second Edition (P/L Custom Scoring Survey)



## Synopsis

The Latest Tools and Techniques for Managing Infrastructure Assets Fully updated throughout, this practical resource provides a proven, cost-effective infrastructure asset management framework that integrates planning, design, construction, maintenance, rehabilitation, and renovation. *Public Infrastructure Asset Management, Second Edition*, describes the most current methodologies for effectively managing roads, bridges, airports, utility services, water and waste facilities, parks, public buildings, and sports complexes. This comprehensive guide covers information management and decision support systems, including proprietary solutions and new technological developments such as cloud storage. The book discusses total quality management, economics, life-cycle analysis, and maintenance, rehabilitation, and reconstruction programming. Up-to-date examples and real-world case studies illustrate the practical applications of the concepts presented in this thoroughly revised reference. This new edition features:

- Planning, needs assessment, and performance indicators
- Database management, data needs, and analysis
- Inventory, historical, and environmental data
- In-service monitoring and evaluation data
- Performance modeling and failure analysis
- Design for infrastructure service life
- Construction Maintenance, rehabilitation, and reconstruction strategies, policies, and treatment alternatives
- Dealing with new or alternate concepts
- Prioritization, optimization, and work programs
- Integrated infrastructure asset management systems
- Visual IMS: an illustrative infrastructure management system and applications
- Available asset management system and commercial off-the-shelf providers
- Benefits of implementing an asset management system
- Sustainability, environmental stewardship, and asset management
- Future directions for infrastructure asset management

## Book Information

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## Customer Reviews

Waheed Uddin is Professor of Civil Engineering and Director of Center for Advanced Infrastructure Technology (CAIT) at The University of Mississippi. A former pavement expert for the United Nations, Dr. Uddin has contributed to highway and airport infrastructure management projects in the U.S. and many countries worldwide. He is a pioneer in airborne laser mapping and satellite imagery applications in transportation and disaster impact assessment and coauthor of *Infrastructure Management*. W. Ronald Hudson is the Dewitt C. Greer Centennial Professor of Civil Engineering Emeritus at The University of Texas at Austin and Senior Consultant at AgileAssets, Inc. He is a pioneer in developing and applying management systems to pavements, bridges, and other civil infrastructure assets. Dr. Hudson is co-author of *Modern Pavement Management and Infrastructure Management*. Ralph Haas is the Norman W. McLeod Engineering Professor and Distinguished Professor Emeritus in the Department of Civil Engineering at the University of Waterloo in Ontario, Canada. He holds country's highest civilian honor, the Order of Canada and the highest academic honor, Fellow of the Royal Society of Canada. An innovator in pavement design and civil infrastructure management systems, Dr. Haas is coauthor of *Modern Pavement Management and Infrastructure Management*.

This book is a really masterpiece. You can gain a lot of knowledge about infrastructure asset management, especially for pavement management.

This is one of the most important book in the area of infrastructure asset management available in the market. If you are a civil engineer or interested in public infrastructure asset management, this is a must to read book.

As a researcher, every part of the book is relevant to my need. But most amazing part of the book is how it is structured like PhD thesis. I am really happy to own the book.

I was looking for a copy of the prior version. This one is better. I will be using it for a text in a class

this Fall.

One of the worst text books I've ever had to read and incredibly expensive for what it was. I was in a facility-flavored asset management course. The authors of this book clearly have a background heavily into transportation."Engineering Systems: Meeting Human Needs in a Complex Technological World" by Oliver de Weck is a far better book on the subject.

Very good book especially for those seeking many answers on infrastructure and its asset management complexities

It's a very handy reference.

Must read

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