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Introduction to Infrastructure: An Introduction to Civil and Environmental Engineering

Michael R. Penn, Philip J. Parker
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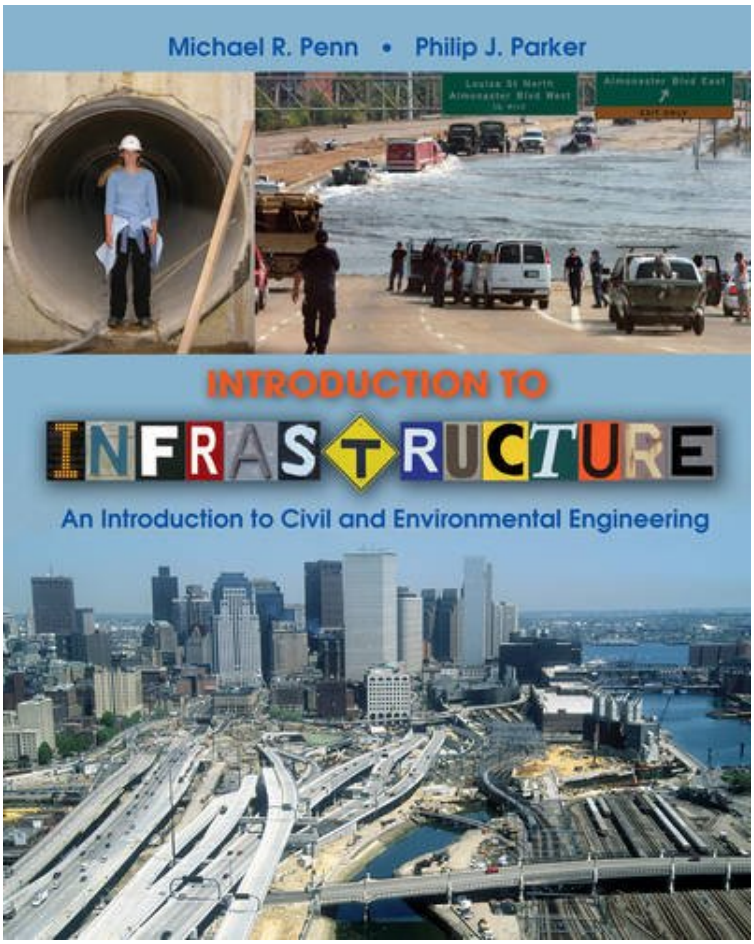

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Michael R. Penn, Philip J. Parker : Introduction to Infrastructure: An Introduction to Civil and Environmental Engineering before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Infrastructure: An Introduction to Civil and Environmental Engineering:

9 of 9 people found the following review helpful. Superb!By CamberHaving almost three decades of engineering experience, I'm clearly not part of the target audience for this book (engineering students), and yet I found the book to be truly outstanding and suitable for engineers at all stages of their careers. I'm thoroughly impressed, this book is a real achievement, and I thank the authors for writing it.Here are the key strengths:- The scope is broad and at least touches nearly all facets of contemporary civil and environmental engineering.- The book emphasizes conceptual understanding rather than minute details, and is unique among engineering books in the regard.- The content is solid, the authors have clearly done their homework and know their stuff.- There are no wasted words - no filler or fluff -

and the writing is crystal clear and engaging. I read this book cover to cover, and enjoyed every minute of it.- The book has an abundance of photos and graphics, and all of them are worth studying.- The many example problems and case studies are both educational and often fascinating.Not convinced yet? Here's the best possible testimony: I've purchased a copy of this book for everyone in my engineering firm, and we'll be using it for our in-house continuing education program.10 stars!1 of 1 people found the following review helpful. This book is a very good overview of civil engineeringBy rokpyleI'm a geologist, not a civil engineer, but I've been interested in civil engineering for close to 40 years. This book is a very good overview of civil engineering. It covers the basics well. It would be a good read for city council people, county supervisors, and other elected government employees who make decisions about infrastructure. My only complaint is that the book has a few grammatical errors.0 of 0 people found the following review helpful. It was a nice book, and very helpfulBy RoseIt was a nice book, and very helpful. I recommend to rent this instead of buying a new one to save money!!

Introduction to Infrastructure: An Introduction to Civil and Environmental Engineering breaks new ground in preparing civil and environmental engineers to meet the challenges of the 21st century. The authors use the infrastructure that is all around us to introduce students to civil and environmental engineering, demonstrating how all the parts of civil and environmental engineering are interrelated to help students see the "big picture" in the first or second year of the curriculum. Students learn not only the what of the infrastructure, but also the how and the why of the infrastructure. Readers learn the infrastructure is a system of interrelated physical components, and how those components affect, and are affected by, society, politics, economics, and the environment. Studying infrastructure allows educators and students to develop a valuable link between fundamental knowledge and the ability to apply that knowledge, so students may translate their knowledge to new contexts. The authors' implementation of modern learning pedagogy (learning objectives, concrete examples and cases, and hundreds of photos and illustrations), and chapters that map well to the ABET accreditation requirements AND the ASCE Civil Engineering Body of Knowledge 2nd edition (with recommendations for using this text in a 1, 2, or 3 hour course) make this text a key part of any civil and/or environmental engineering curriculum.