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There is a purpose for building infrastructure, and infrastructure owners are responsible for ensuring that the purpose is served while achieving maximum benefit at minimal costs. Taking appropriate and timely actions requires a good understanding of the infrastructure - its current and expected condition. This volume and its companion, *Infrastructure Health in Civil Engineering: Theory and Components* (CRC Press, 2012), are dedicated to discussions of these aspects (see Figure 0.1). The companion volume focuses on an overview of Infrastructure Health in Civil Engineering (IHCE) and associated theories, followed by a description of its four components: measurement, structural identification, damage identification, and decision making. Decision making is a unique feature and is introduced with the argument that any project that does not integrate decision making (or Cost-Benefit) ideas in all its tasks cannot be successful. This volume builds upon the ideas presented in the companion volume and deals with the application of IHCE and asset management.

Ключевые слова:

Содержание.

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