Cite this article

Chen Z (2019)

Book review.

Proceedings of the Institution of Civil Engineers – Management, Procurement and Law
172(2): 80, <https://doi.org/10.1680/jmapl.18.00015>

Book review

Paper 1800015

Received 27/03/2018; Accepted 27/03/2018

Published online 08/05/2018

ICE Publishing: All rights reserved

Book review

Handbook on Transport and Development

R Hickman, M Givoni, D Bonilla and D Banister. Edward Elgar, Cheltenham, UK, 2015, ISBN 978-0-85793-725-4 (hardback), £210-00, 698 pp.

This is a unique handbook on transport and development providing an extensive overview of the relationships between transport and development by focusing on three main themes, including urban structure and travel, transport and spatial impacts, and wider dimensions in transport and development. The handbook is a collection of 45 separated chapters, which were written by 71 leading international authors from a multitude of angles with 1919 references inside theme-related areas. It provides the reader (practitioners and researchers) with not only a comprehensive and critical understanding of the field, but also a gigantic interdisciplinary vision on collaborative work relating to civil engineering across various working stages of projects for transport and development.

The handbook covers a number of major transport projects across the world, and these include

- A15 motorway and High-Speed Line South (the Netherlands)
- Bay Area Rapid Transit (USA)
- bikeability (Denmark)
- bus rapid transit systems and light rail transit systems (worldwide)
- Crossrail, High Speed 2, London Olympics, Jubilee Line extension, Manchester airport and Manchester Metrolink (UK)
- Kassel Regio tram (Germany)
- Madrid Metro (Spain)
- Trans-European Transport Networks (Europe).

Descriptions and discussions on these major transport projects and some others around the world provide rich information to inform the learned society with regard to the background, excellence in practice and lessons learned in the subject field.

For infrastructure project management through the life cycle, this handbook shares rich data, information and knowledge about social, technical, economic, environmental and political issues, which have dynamic interactions on interoperability within a project environment with regard to important issues in relation to the dependability and impact of a big project. It is therefore helpful to inspire learning from the past and thinking for the future.

This handbook is an excellent reference for practice and research in transport and development. The reviewer wishes to recommend it strongly for both academic research and professional practice in infrastructure project management.

Zhen Chen