

1. Record Nr.	UNINA9910822857803321
Titolo	Materials and infrastructures . 2 / / edited by Jean-Michel Torrenti, Francesca La Torre
Pubbl/distr/stampa	London, England ; ; Hoboken, New Jersey : , : ISTE : , : Wiley, , 2016 ©2016
ISBN	1-119-31860-2 1-119-31859-9 1-119-31861-0
Descrizione fisica	1 online resource (292 p.)
Collana	Research for Innovative Transports Set ; ; 5B THEi Wiley ebooks
Disciplina	625.8
Soggetti	Road materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; Preface; Acknowledgments; Introduction; PART 4: Recycling and Sustainability Issues; PART 5: Railways and Inland Navigation; PART 6: Climate Resilient Roads; List of Authors; Index; Contents for Volume 5A; EULA; I.1. Main findings; I.2. Conclusions; 28: Introduction to European COREPASOL Project on Harmonizing Cold Recycling Pavement Techniques; 29: Technical Performance and Benefits of Recycling of Reclaimed Asphalt Containing Polymer-modified Binder in Premium Surface Layers; 30: Case Study: Increasing the Percentage of Recycled Asphalt 31: Evaluation of Long-term Glass-grid Test Section using a Unique Method 32: Effect of Using of Reclaimed Asphalt and/or Lower Temperature Asphalt on the Availability of the Road Network; 33: Brazilian Road Deterioration Test: Final Report; 34: Application of Different Methods for Rehabilitation of Existing Transition Zones on Old Railway Lines; 35: CAPACITY4RAIL: Toward a Resilient, Innovative and High-capacity European Railway System for 2030/2050; 36: Secondary Stiffness of Fastening Clips: Influence on the Behavior of the Railway Track Panel

37: A New Asset Management Approach for Inland Waterways38: 3D Numerical Simulation of Convoy-generated Waves and Sediment Transport in Restricted Waterways; 39: Potential Impact of Climate Change on Porous Asphalt with a Focus on Winter Damage; 40: Risk Assessment of Highway Flooding in the Netherlands; 41: Adaptation of the Road Infrastructure to Climate Change; 42: The Impacts of Climate Change on Pavement Maintenance in Queensland, Australia; 43: Design Guideline for a Climate Projection Data Base and Specific Climate Indices for Roads: CliPDaR; 28.1. Introduction
28.2. Background of European project COREPASOL28.3. Methods of cold-recycled asphalt specimen compaction; 28.4. Experimental comparison of compaction methods; 28.5. Publication policy; 28.6. Acknowledgments; 28.7. Bibliography; 29.1. Introduction; 29.2. State of the art on recycling of polymer modified asphalt (PMA); 29.3. Materials; 29.4. Properties of extracted and blended binders; 29.5. Performance of asphalt mixtures with RA containing polymer modified binder; 29.6. Microscopy investigations of RA and asphalt mixes containing RA; 29.7. Environmental and economic benefits
29.8. Conclusions and recommendations29.9. Acknowledgments;
29.10. Bibliography; 30.1. Introduction; 30.2. Materials and test program; 30.3. Results and analysis; 30.4. Conclusions; 30.5. Bibliography; 31.1. Introduction; 31.2. Methodology; 31.3. Analysis;
31.4. Conclusions and recommendations; 31.5. Bibliography; 32.1. Introduction; 32.2. Review of existing knowledge; 32.3. Trial site; 32.4. Laboratory testing; 32.5. Assessment of lifecycle cost and carbon footprint; 32.6. Conclusions; 32.7. Acknowledgments; 32.8. Bibliography; 33.1. Introduction; 33.2. Field analysis
33.3. Pavement deterioration analysis
