

Highways Workshop

22–23 May 2023 • Tbilisi, Georgia

Семинар по автомобильным дорогам

22–23 мая 2023 года • Тбилиси, Грузия



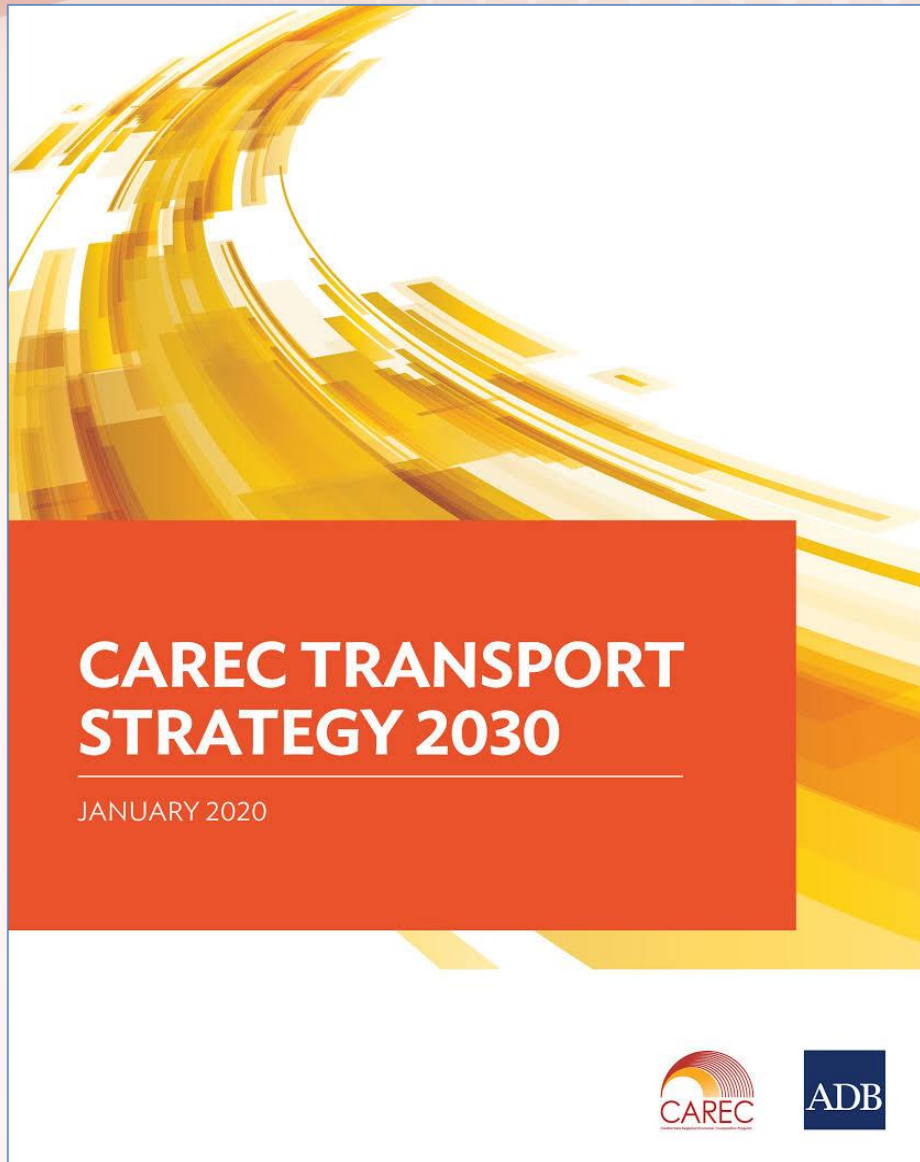
ADB and Road Asset Management

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CAREC TRANSPORT STRATEGY 2030



- Over the last decade CAREC countries invested considerably in improving their highways.
- Management of these new and old road assets remains a challenge.
- CAREC Transport Strategy 2030 pays high attention to establishing effective and efficient practices of road asset management (RAM) across the CAREC region.
- The key premise of RAM is: Preventive knowledge-based maintenance extends the road asset life without capital repair.
- Reducing the overall long-term capital and operational expenditures for the national road network.
- Maintaining the good quality of the network, speed of travel and traffic safety.



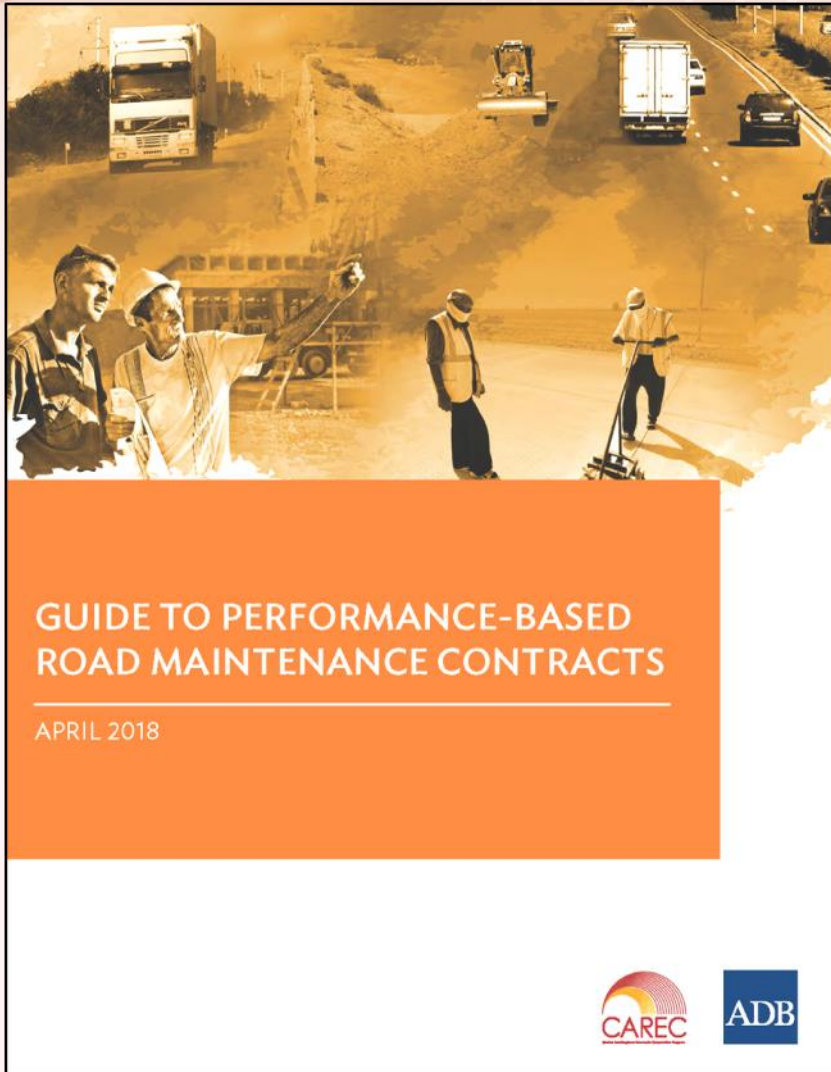
Compendium of Best Practices in Road Asset Management



- Provides a general introduction to the concept of road asset management.
- Elaborates on the objective of road asset management to optimize economic benefits by minimizing maintenance costs and road user costs.
- Presents the best practices for the introduction and development of road asset management.
- Reflects common problems the different CAREC member countries face.
- Presents the most successful solutions in the development of road asset management.



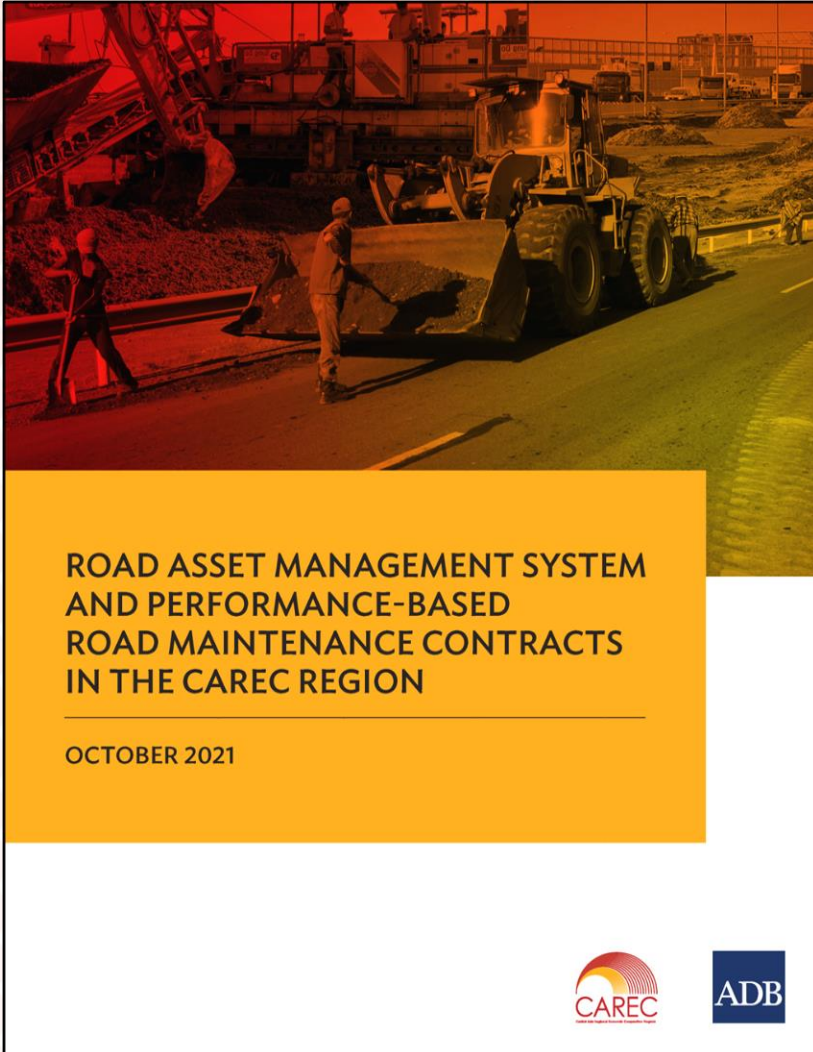
Guide to Performance-Based Road Maintenance Contracts



- The objective of this guide is to assist CAREC member countries to better understand the concept of Performance-Based Road Maintenance Contracts (PBC).
- Serve as guidance on the implementation of PBRMC.
- Describes different delivery modes of road maintenance, and gives a brief history of PBCs, Discusses advantages and disadvantages of the contract modality.
- Defines various types of PBCs and their variable elements e.g., scope, duration, extension, performance levels, payment and incentive systems, performance monitoring, and risks and risk mitigation)



Status Assessment of RAM and PBC

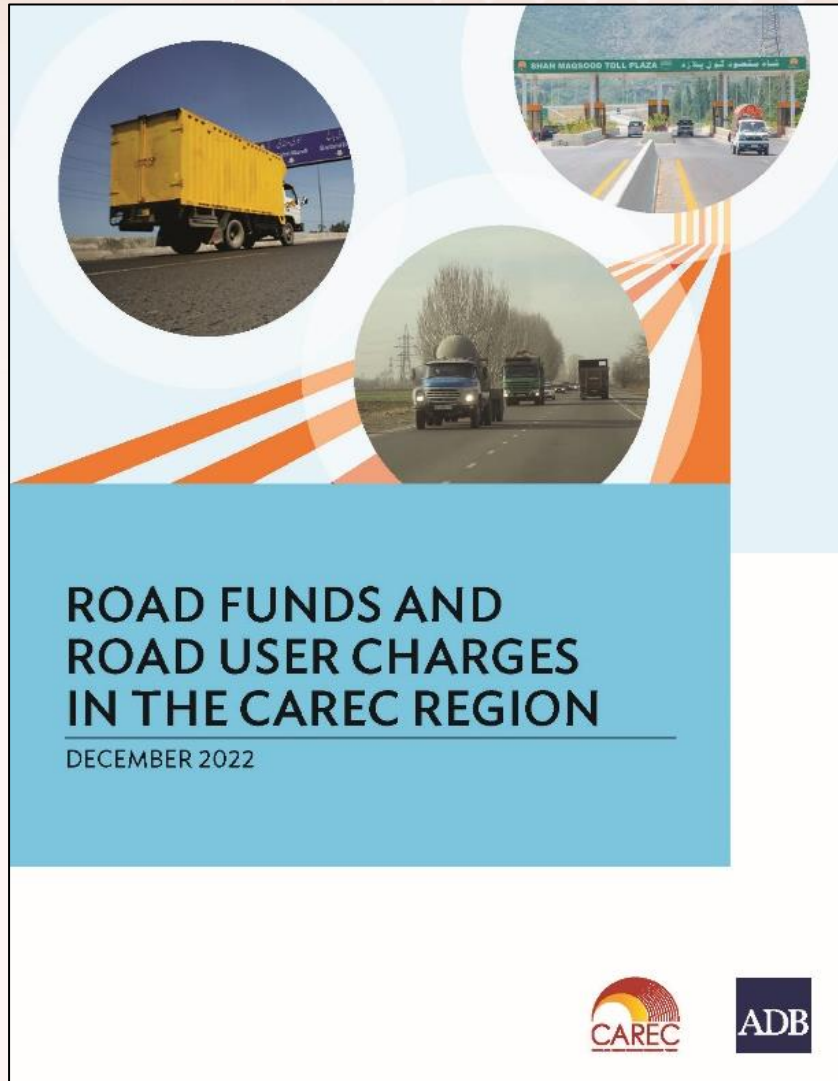


This publication was prepared in 2021 and aims to improve the management and maintenance of CAREC road corridors through the sharing of best practices that exist within CAREC countries regarding RAMS and PBCs.

- For each CAREC member country, this document provides an overview of the road network,
- the institutional responsibilities for its management,
- the involvement of government units and private sector contractors,
- the levels and sources of funding for the road sector and especially for road maintenance and repairs,
- lessons learned and a way forward for future activities.

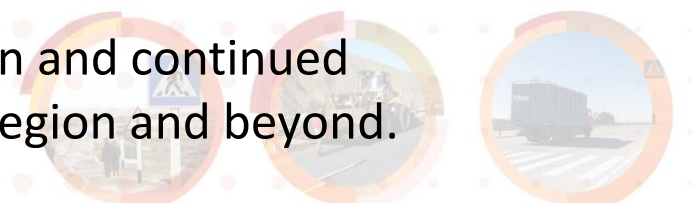


Road Funds and Road User Charges



Published in December 2022 this publication aims to improve the financing, management, and maintenance of CAREC road corridors through the sharing of best practices that exist within CAREC countries regarding road funds and the earmarking of road user charges.

- For five CAREC member countries: Azerbaijan, the Kyrgyz Republic, Mongolia, Pakistan, and Uzbekistan an assessment of their road funds was undertaken.
- presents the road funds in these five countries in detail, including their history and current operation.
- examines in more detail the institutional aspects and operational procedures of the road funds in the CAREC region, and the road user charge revenues that finance them,
- drawing lessons for the introduction and continued development of road funds in the region and beyond.



Performance Based Road Maintenance contracts



PERFORMANCE-BASED ROAD
MAINTENANCE CONTRACTS
IN THE CAREC REGION

OCTOBER 2023



This latest publication scheduled to be published in 2023 will share best practices that exist within CAREC countries regarding Performance-Based Road Maintenance (PBRM).

The document examines a series of past and ongoing PBRM contracts in the CAREC region in regard to:

- Contract scope
- Performance standards
- Inspections
- Response times
- Payments and deductions
- Procurement and contract costs

The publication will identify lessons learned for the improvement of PBRM contracts.



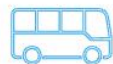
Investigating Lifecycle Emission Impact of Road Investments

ADB

INVESTIGATING LIFECYCLE CARBON EMISSION IMPACT OF ROAD INVESTMENTS



Michael Anyala, Ian Greenwood and Eric Stannard



This publication scheduled to be published in 2023 will present a toolkit for evaluating CO₂e emissions related to various road investment policies, strategies and projects.

The document presents a comprehensive methodology for lifecycle assessment of road transport emissions, accompanied by a toolkit that works with the widely used highway Development and Management system (HDM-4).

The tool can be applied by practitioners to guide decisions on effective avoid-shift-improve measures to reduce emissions and can be used to support the planning and design of road projects and programs that aligned with the goals of the Paris Agreement on Climate Change and the 2030 Sustainable Development Agenda..



Advancing Road Asset Management Maturity and Investments in South Asia

ADB

SASEC

Advancing Road Asset Management Maturity
and Investments in South Asia

January 2023

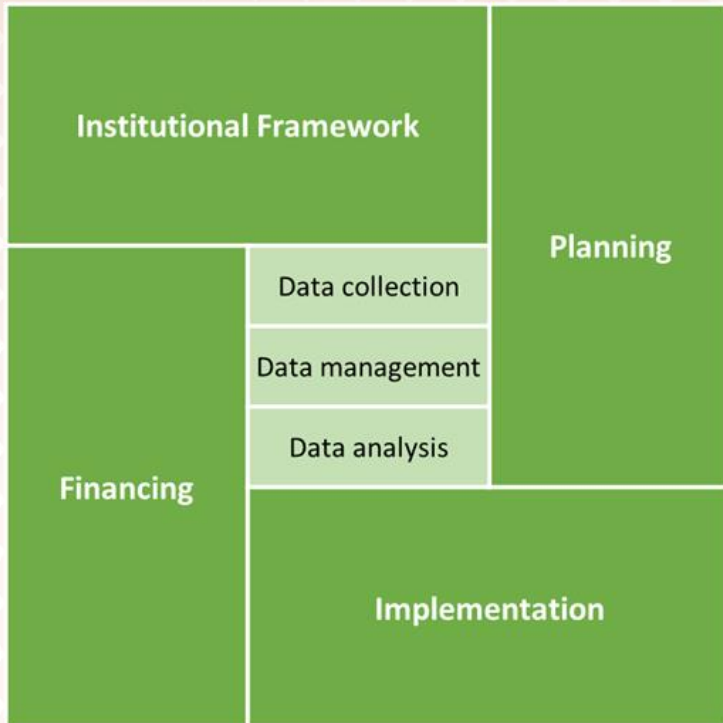
This major road asset management study (to be published) covers six countries in South Asia. The scope includes assessment of the quality of the road asset management within each country, it provides the necessary focus to ensure that any future investment in infrastructure has an increased likelihood of delivering the full benefits expected of it.

A Strategic level assessment of funding needs for the existing road network then provides a key input to the development of a sustainable funding model in each country.

The findings of the study reaffirm the scale of work to be undertaken to achieve the development goals across the region and provide a basis for further country specific and regional support initiatives to occur.



Highways Workshop and Future activities



Session 1:

- **Road Funds and Road User Charges in the CAREC Region** - Mr. Serge Cartier, Road Asset Management Specialist, ADB Consultant
- **Evolution of the State Road Fund in Mongolia** - Mr. Martin Horseling, Consultant EBRD
- **Mapping the Future of Road User charging for sustainable roads** - Mr. Michael Anyala, Senior Transport Specialist, ADB

Session 2:

- **Road asset management maturity in CAREC and lessons learnt from SASEC** - Mr. Ian Greenwood, Road Asset Management Specialist, ADB Consultant

Session 3:

- **Performance based contracts in the CAREC region** - Mr. Serge Cartier, Road Asset Management Specialist, ADB Consultant
- **Performance based contracts in the CAREC region (cont'd)** - Mr. Irakli Kobidze, OPRC Contracts Manager, Roads Department of Georgia

Session 4:

- **Monitoring of road asset management in the CAREC region** - Mr. Michael Anyala, Senior Transport Specialist, ADB



Thank you

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