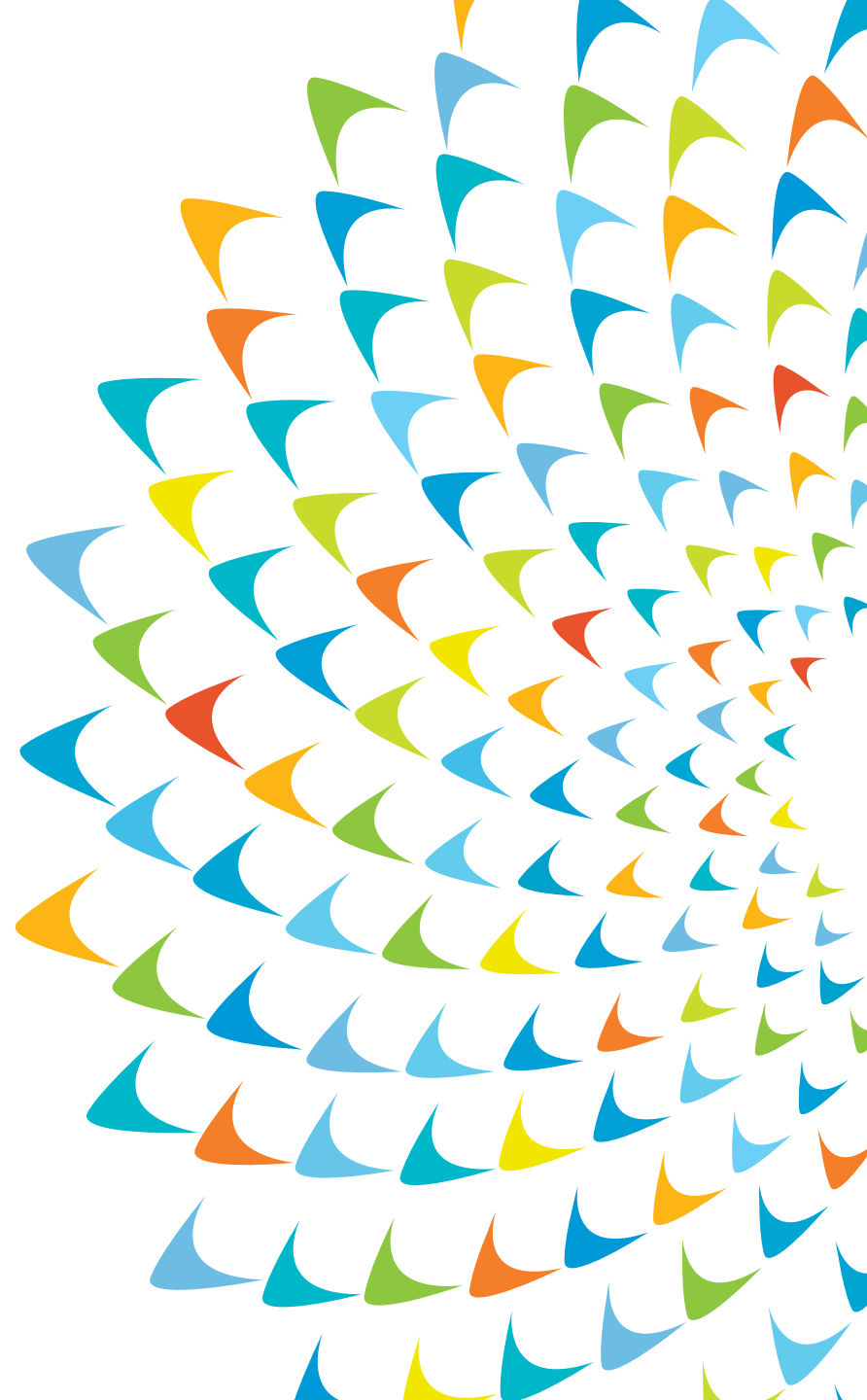




**Asian Development Bank**

# **RAMS Phase I, II, III in Kyrgyz Republic**

Presented by  
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**Kyrgyz Republic Resident Mission**  
23 May 2023  
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# ADB Operations in Transport

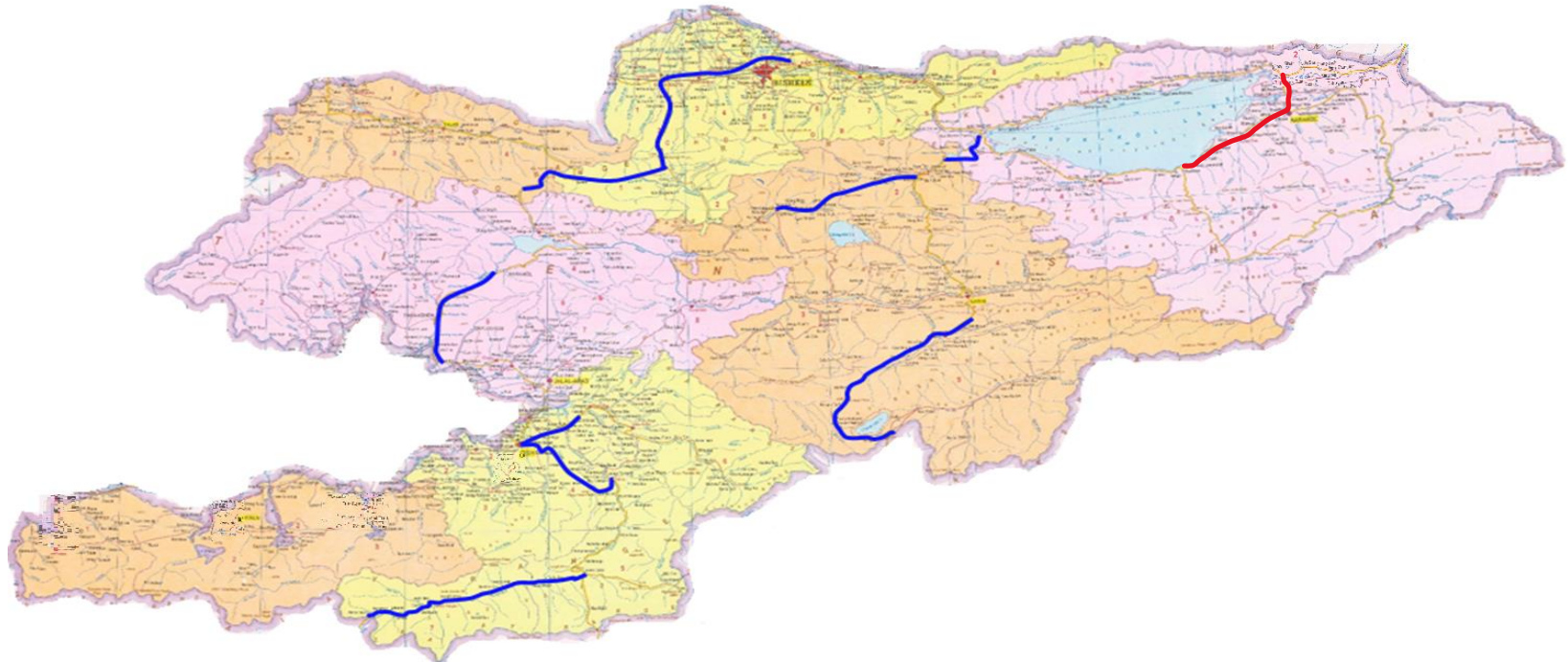


- ❖ **Promoting regional and national connectivity**
  - CAREC Program: five out of six corridors
  - 12 projects for \$736M: 9 completed and 3 ongoing
  - 1043 km of key roads rehabilitated or reconstructed
  - Technical and project preparation assistance to Kyrgyz Railways
- ❖ **Support sector reform**
  - Recommendations on transport sector reform
  - Development of Road Asset Management
  - Road safety – safe, efficient and attractive roads
- ❖ **Capacity building (for government and universities)**
  - Transport sector management
  - Project administration and procurement
  - Environmental and social impact management.
  - EV policies and studies
- ❖ **Urban transport development**
  - Green public transport (e-buses and e-vehicles)
  - Urban traffic engineering (green street corridors)
  - Urban transport policy





# ADB-funded Road Projects in Kyrgyz Republic



## **Completed:**

**Bishkek–Osh, Tash-Komur–Aksy, Bishkek–Almaty, Osh–Gulcha, Sary-Tash–Karamyk, Naryn–Torugart**

## **Ongoing:**

**Bishkek–Kara-Balta, Bashkugandy–Kochkor, Balykchy–Kochkor**

## **Planned (red line on the map):**

**Issyk-Kul Ring Road Project: Barskoon–Karakol**





## Road Sector Reform and Knowledge Products



### ❖ Road Sector Reform

- Road Fund was re-established in 2022
- Maintenance execution was separated from MOTC (SOE Kyrgyzavtozhol was established in 2022)
- New Law on Highways is expected to be approved in 2023
- RAMS use is made mandatory as planning tool
- Government decided to use FIDIC contract conditions for gov-financed projects in 2022
- A pilot performance-based maintenance contract was implemented

### ❖ Knowledge Products

- Road sector strategy 2023–2030 is updated
- Transport sector assessment is prepared in 2023
- RAMS, PBM and road safety studies are developed





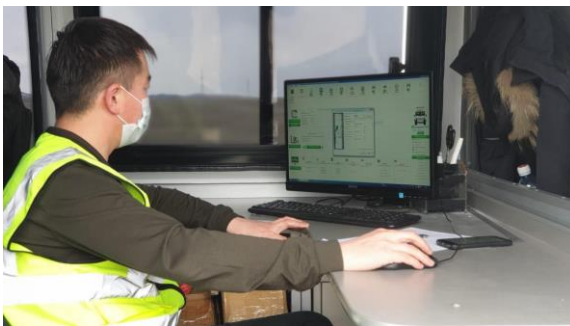
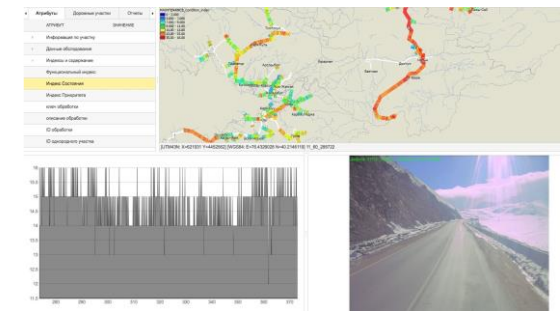
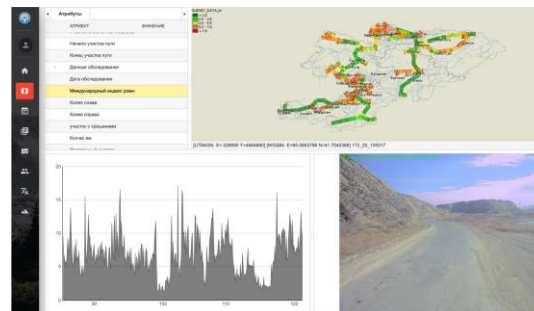
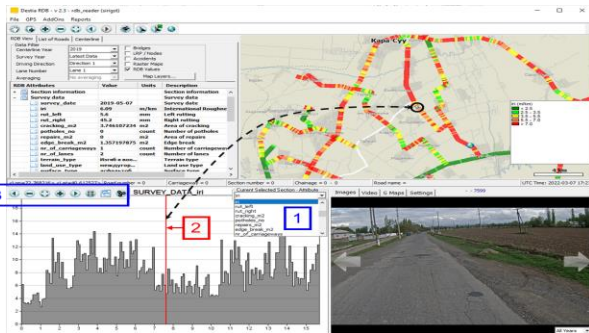
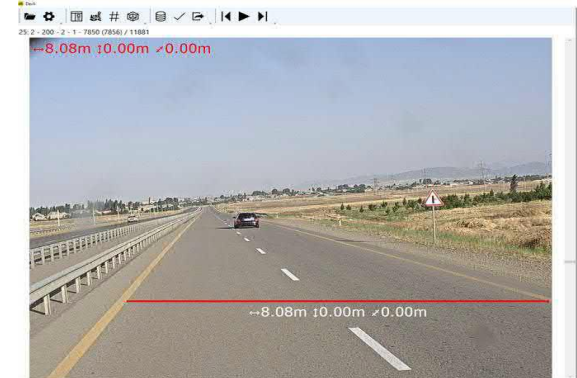
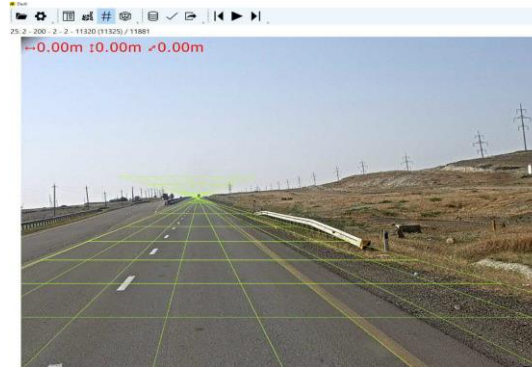
## RAMS Phase I (piloting)



- ❖ **Before Phase I:** WB (RONET, 2014); JICA (bridges and tunnels, 2016)
  
- ❖ **Project:** CAREC Corridors 1 and 3 Connector Road Project
- ❖ **Period:** September 2018 – December 2021
- ❖ **Amount:** Euro 1,133,198 + USD 885,150
- ❖ **Scope:**
  - Data over 7513 km of roads by PIC (est.2017)
  - GIS based Road Information System
  - Web based Maintenance Planning System
  - Manuals, strategies
  - Equipment (servers, traffic counters, camera, GPS receiver) and HDM-4 license
  - Trainings (though capacity building was incomplete due to online classes, irregular attendance and high staff turnover)
  - RAMS unit established, 3-year rolling works program developed but not used



# RAMS Phase I





# RAMS Phase II (development)



- ❖ **Project:** CAREC Corridors 1 and 3 Connector Road Project Additional Financing (Phase 2)
- ❖ **Period:** March 2023 – August 2025
- ❖ **Amount:** USD 1,910,556
- ❖ **Scope:**
  - Sophisticated equipment supplied
  - Updating data for paved roads (7513 +600 km) and collection of data for unpaved roads (8000 km)
  - Upgrade RIS, MPS
  - Integrate RAMS into planning and budgeting procedures
  - Support RAMS unit, RMD, PIC, Road Fund
  - Training and capacity building
  - Develop RAMS university course
  
- ❖ **Recommendations:**
  - Training of MOTC staff outsourced to KTU
  - Internship and jobs provided for KTU graduates
  - All data processing outsourced to PIC
  - Building capacity of local consultants for support to MOTC in maintenance planning





## RAMS Phase III (integration)



- ❖ **Project:** Issyk-Kul Ring Road Improvement
- ❖ **Period:** September 2025 – December 2027
- ❖ **Amount:** to be determined
- ❖ **Scope:** as per consultations under ADB TRTA, tentative activities are:
  - continue operationalizing RAMS in MOTC business process;
  - provide support to MOTC on using the RAMS as a tool for maintenance planning;
  - integration of assessment of climate change risks into RAMS for maintenance planning
  - ... ..

**Post-Phase III (2028 and on):** sustainable application of RAMS by MOTC to regular maintenance planning





***THANK YOU!***

