

JICA's cooperation in Transport sector in the Kyrgyz Republic

Retrospective, Current activities, Prospects

**22nd CAREC Transport Sector Coordinating Committee
in Bishkek**

16-17 June 2025

The current JICA cooperation strategy for the Kyrgyz Republic (2020-2025) sets Infrastructure development (including transport development) as one of the priority directions.

Under its transport development pillar, JICA in the Kyrgyz Republic implement projects in two areas:

- Roads
- Aviation

JICA's cooperation in Transport sector development in the Kyrgyz Republic

Overall goal

To contribute to economic development by supporting the functioning of the full-fledged transport infrastructure

Roads

Aviation

Goals

To support smooth export/import transportation through the road network which ensures >95% of all freight shipments

To enhance flight safety to make the country more reliable and attractive for international visitors who come for tourist and business purposes

Directions

Human Resources

- ☐ Capacity building in modern technologies in road sector and enhancing knowledge sharing b/w state, private and academia

- ☐ Capacity building in flight safety issues

Innovations

- ☐ Introduction of new concepts/ technologies/standards in construction of roads/road structures/road disaster prevention facilities

- ☐ Introduction of innovations for enhancing flight safety

Physical infrastructure

- ☐ Reconstruction of roads/road structures and construction of disaster prevention facilities

- ☐ Construction of facilities, provision of flight safety/ ground support equipment

JICA's cooperation in **road development** in the Kyrgyz Republic

Since the start of its cooperation in the Kyrgyz Republic, JICA has implemented numerous projects under various cooperation schemes (Loan, Grant aid, Technical cooperation) related to the pillar **Roads and Road Asset Management** of the CAREC Transport Strategy.

In the road sector JICA has focused on *1) Road maintenance 2) Reconstruction and maintenance of bridges 3) Road disaster prevention*



JICA's cooperation in road development in the Kyrgyz Republic: **Road maintenance**

Past projects:

- Provision of road maintenance equipment to Naryn, Issyk-Kul, Chui, Talas, Jalal-Abad, Osh regions (Grant)
- Road maintenance potential improvement (Technical cooperation)
- Introduction of roller compacted concrete pavement technology (Technical cooperation)
- Workshops for maintenance of road equipment for Naryn, Issyk-Kul, Chui, Talas, Jalal-Abad, Osh regions (Grant)



[Road Maintenance – current project] **Grant Aid - Improvement of Road Maintenance and Pavement Equipment in Batken region**

Implementation period: 2023-2025

Purpose of the project: to contribute to the stabilization and safety of logistics in the Central Asian region by enhancing the ability to recover from the rapid increase in road disasters caused by global warming and by promoting the construction of disaster-resistant roads through maintenance and paving equipment for international highways located in Batken, thereby contributing to the promotion of the Batken region's development.

List of equipment to be provided

Asphalt cutters	Plate compactors
Hand brakers	Air compressors
Asphalt sprayers	Hand guide rollers
Water tank trucks	Excavators
Wheel loaders	Soil compactors
Dump trucks	Cargo trucks with crane
Tractor trailers	Mobile workshops
Asphalt plants	Cranes

JICA's cooperation in road development in the Kyrgyz Republic: **Reconstruction and maintenance of bridges**

Past projects:

- Bridges and tunnels maintenance management improvement (technical cooperation)
- Reconstruction of 3 bridges in the Chui region (grant)
- Reconstruction of the Kok-Art river bridge on Bishkek-Osh road (grant)
- Reconstruction of the Urmalar river bridge on Talas-Taraz road (grant)



[Recent bridge project] **Grant Aid - Reconstruction of the Urmalar River Bridge on the Talas-Taraz Road**

Implementation period: 2020-2024

Purpose of the project: to reconstruct of the bridge over the Urmalar river located on the point of km 82 on the Talas-Taraz road to ensure smooth and safe traffic. The Talas-Taraz road is an international transport corridor and has the strategic importance for Kyrgyzstan.

Components:

- New bridge (L = 90 m, width = 14 m; T girder, 3 spans, precast concrete);
- New access roads (road alignment, L = 1.1 km, width 12.5 – 14 m);
- River bank enforcement using the gabion (right bank – 180 m, left bank – 120 m).



The new bridge



The old bridge

[Pipeline bridge project] Grant Aid - Reconstruction of the Naryn river bridge on Bishkek – Osh road

Given the age of the bridge, which is already 50 years old, it is becoming an increasingly difficult task to radically increase the resources of the bridge by routine repairs.

In the current situation, the Cabinet of Ministers of the Kyrgyz Republic appeals to the Government of Japan with a request to consider the possibility of providing grant assistance for the reconstruction of the bridge over the Naryn River on the Bishkek – Osh highway.

JICA is conducting the preparatory survey for the project. The project proposal will be put forward to consideration by the Government of Japan.



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JICA's cooperation in road development in the Kyrgyz Republic: **Road Disaster Prevention**

JICA has implemented several road disaster prevention projects on **CAREC 3 transport corridor** – Bishkek-Osh highway

Past projects:

- Road Disaster Prevention Management Improvement (technical cooperation)
- Avalanche Protection on Bishkek-Osh road (grant)
- Ground Blizzard Protection on Bishkek-Osh road (grant)



[Completed road disaster prevention project] **Grant Aid - Avalanche Protection on the Bishkek-Osh Road**

Implementation period: 2018-2023

Purpose of the project: to improve traffic of the Bishkek-Osh road in the winter season by construction of the snow shed, thereby contributing to improvement of road transportation and logistics in the Kyrgyz Republic.

Components:

- Construction of snow shed (arch culvert type) at 246 km point of Bishkek-Osh road;
- Construction of the access roads on both sides of the snow shed.



[Video](#)

[Completed road disaster prevention project] **Grant Aid - Ground Blizzard Protection on Bishkek-Osh Road**

Implementation period: 2022-2024

Purpose of the project: to ensure the smooth traffic in winter period on the strategic Bishkek-Osh road which connects the north and south of the country and Kyrgyzstan with neighboring countries.

Components:

- On the Too-Ashuu pass the total length of fences makes up 2.008 km and 12 visibility poles are installed;
- On the Ala-Bel pass the total length of fences will make up 3.908 km and 32 visibility poles will be installed.



[Current Road Disaster Project] Yen Loan – International Main Roads Improvement (Bishkek-Osh Road component)

The section km 400.1-400.9 on Bishkek-Osh road: rock falls and breaking of rocks are recorded. In the frame of the JICA project, the tunnel with L=737 m will be constructed using the Japanese technologies (the general contractor has been selected).



The area of the project



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[On going Project] **Loan Project** - International Main Roads Improvement Project

Implementation period: 2022-2024

Purpose of the project: to ensure the smooth traffic in winter period on the strategic Bishkek-Osh road which connects the north and south of the country and Kyrgyzstan with neighboring countries.

Components:

- On the Too-Ashuu pass the total length of fences makes up 2.008 km and 12 visibility poles are installed;
- On the Ala-Bel pass the total length of fences will make up 3.908 km and 32 visibility poles will be installed.



JICA's cooperation in **aviation** in the Kyrgyz Republic

Under the CAREC Transport Strategy pillar *Aviation* JICA has implemented projects focused on air navigation service improvement, airport equipment improvement



[Completed Aviation project] **Grant Aid - Improvement of Equipment of the Manas International Airport**

Implementation period: 2016-2018

Purpose of the project: to contribute to the upgrade of airport and aircraft safety and reliability by securing flight safety at low visibility condition and effective airport operation by improving the air navigation facilities and ground support equipment.

Supplied equipment:

- Instrumental Landing System
- VOR/DME
- Aircraft rescue and fire fighting
- Airport safety for winter operation
- Ground support equipment



[Current Aviation project] **Grant Aid - Improvement of Air Traffic Control Facilities at International Airports**

Implementation period: 2025 - 2027

Purpose of the project: to improve quality of air traffic control services by the construction of new air traffic control facilities at Osh International Airport and the renewal of air traffic control systems at three international airports (“Manas”, “Osh” and “Issyk-Kul”), thereby contributing to enhancement aviation safety and flight handling capacity in the Kyrgyz Republic.

Components:

- Construction of control tower and Area Control Centre at “Osh” airport
- Upgrade of the ATC systems at “Manas”, “Osh” and “Issyk-Kul” airports



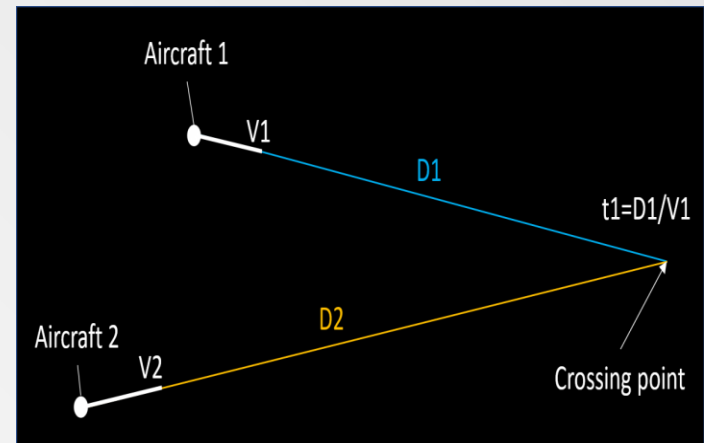
[Current Aviation project] Technical Cooperation – Training of Air Traffic Controllers-Instructors on Aircraft Vectoring and Speed Control and Personnel of Flight Procedures Design

Implementation period: 2025-2027

Purpose of the project: to contribute to increase in the level of flight safety in the airspace of the Kyrgyz Republic through capacity building of KyrgyzAirNavigation.

Components:

- Training of 6 air traffic controllers-instructors by Japanese specialists in
 - aircraft vectoring
 - aircraft speed control
- Training of air traffic controllers by air traffic controllers-instructors of the Kyrgyz Republic under the control of Japanese specialists
- Training of 3 Flight Procedures Design personnel



Көңүл бурганыңыз үчүн рахмат.
Спасибо за внимание.

Thank you for your attention!
ご清聴ありがとうございます。