Support for Implementing Intelligent Traffic Systems in Nairobi Metropolitan Region

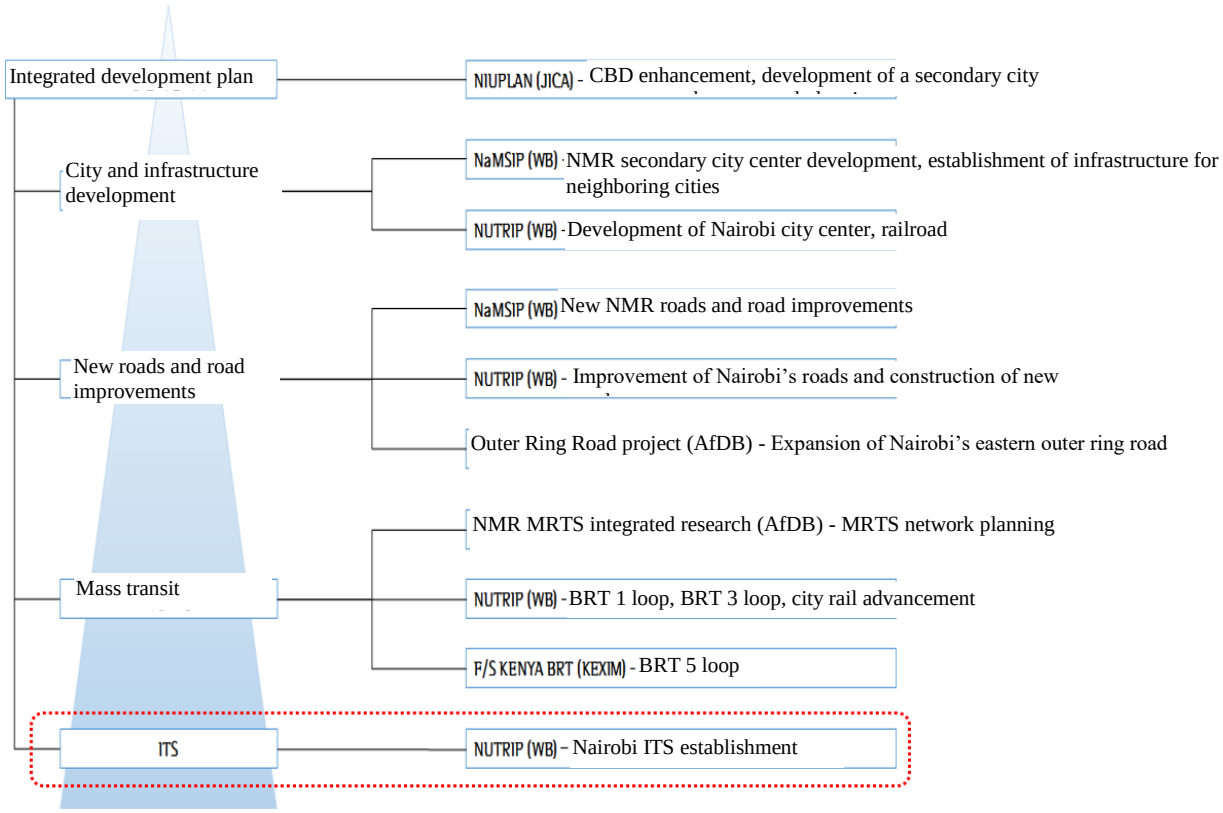
Summary of Project	
Partner Country	Kenya, Kenya Urban Roads Authority (KURA)
Project Years	2017 ~ 2018
Outcome	• Establishments of the Intelligent Traffic System (ITS)'s guideline in Kenya • Capacity building of stakeholders
Impact	• To improve traffic efficiency for Kenya through mass transit system improvements and the establishment of an ITS

(Background) Traffic congestion is one of the main reasons behind the aggravating transportation situation in the Nairobi Metropolitan Region (NMR). It results in roughly $220 million USD worth of social losses (congestion costs) annually. As such, the government of Kenya has requested for a KSP project to improve the efficiency of the operation and maintenance of the traffic system.

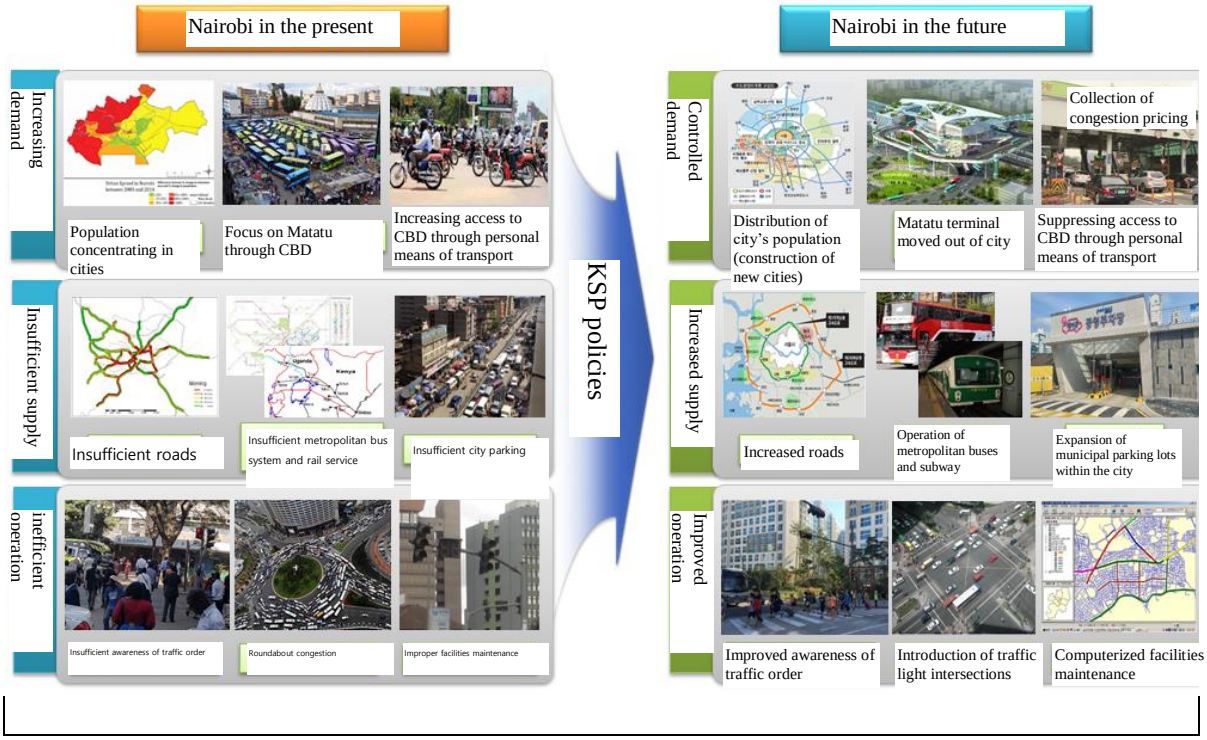
(Project Details) Experts analyzed the main issues with Nairobi's traffic system such as traffic congestion, in-vehicle congestion, and traffic safety. They conducted a case study of Seoul's traffic system transformation, mass transit system restructuring, and Transportation Operations & Information Service (TOPIS) operation. Based on these studies, policy recommendations and improvement measures were delivered to the Kenyan government.

(Outcome) The Kenyan government is currently making various efforts to implement an ITS infrastructure in the NMR based on the detailed implementation measures presented by the KSP. In 2017, the Kenyan government and the World Bank conducted a feasibility study of the "Consultancy services for the Design, Tender Documentation and Implementation Supervision of an Intelligent Transport System (ITS) and Associated Civil Engineering Works for Nairobi County." Moreover, the government is discussing follow-up projects related to hard infrastructure with Korea based on KSP recommendations. The policy recommendations presented by KSP are expected to improve traffic conditions and user satisfaction. These recommendations will contribute to improving traffic congestion within the NMR, reducing traffic fatalities and improving safety through the installation of an unmanned enforcement system. Through KSP, the public and private cooperation between the two countries in this field is expected to expand in the long run.

Current state of Nairobi traffic and ITS related plans



Current state of Nairobi and future projections



Integrated advancement of the mass transit system