



Philippines: Metro Manila Bridges Project

Project Name	Metro Manila Bridges Project				
Project Number	52181-001				
Country	Philippines				
Project Status	Proposed				
Project Type / Modality of Assistance	Loan				
Source of Funding / Amount	<table border="1"> <tr> <td>Loan: Metro Manila Bridges Project</td> <td></td> </tr> <tr> <td>Ordinary capital resources</td> <td>US\$ 180.00 million</td> </tr> </table>	Loan: Metro Manila Bridges Project		Ordinary capital resources	US\$ 180.00 million
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Strategic Agendas	Environmentally sustainable growth Inclusive economic growth				
Drivers of Change	Governance and capacity development				
Sector / Subsector	Transport - Urban roads and traffic management				
Gender Equity and Mainstreaming	Some gender elements				
Description	The proposed loan (the Project) will finance the construction of 5 bridges crossing Marikina River and Manggahan Floodway as part of the government's effort to solve the increasingly severe traffic problem of Metro Manila, the National Capital Region (NCR) of the Philippines. The Project will include a component to strengthen the capacity of the executing agency in planning, design, management, and operation and maintenance (O&M) of bridges and crossing structures using a holistic approach, including by factoring climate change and disaster risk considerations.				
Project Rationale and Linkage to Country/Regional Strategy	<p>The continuous economic development and urbanization in Metro Manila has brought along heavy traffic congestion that causes substantial loss of time and opportunities for commuters and businesses, respectively. With a total road length of 4,882 km (1,159 km national roads and 3723 km local roads), Metro Manila has a well-articulated trunk road network comprising radial (R-1 to R-10) and circumferential (C-1 to C-5) in its metropolis, with interchanges providing grade separations at several intersections of the trunk roads. However, the current traffic demand of 12.8 million trips per day is overwhelming the capacity of the road network. Metro Manila nowadays only has 1 km of road per 424 motor vehicles, and majority of commuters in Metro Manila travel at 10 km per hour on average. It was estimated that the country lost PHP 3.5 billion per day in 2017, due to Metro Manila traffic, and the loss was projected to be PHP 5.4 billion per day in 2035 if no action is taken.</p> <p>One of the major factors contributing to the inefficiency of Metro Manila's road network is the inadequate capacity of the existing 30 bridges crossing its major waterways, namely Pasig River, Marikina River and Manggahan Floodway. These bridges currently accommodate 1.3 million vehicles per day. The traffic survey conducted by the Department of Public Works and Highways (DPWH) during December 2016-January 2017, shows that (i) the overall level of service of the bridges crossing Pasig River is <u>F</u>, which means <u>forced or flow breakdown</u>, and (ii) the overall level of service of the bridges crossing Marikina River and Manggahan Floodway is <u>E</u>, which means <u>operation at or near capacity and an unstable level</u>. Therefore, it is critical that additional crossing structures are built over these waterways to decongest the existing bridges, hence mitigating the risk of overloading them. This will help extend the life of existing bridges and reduce their maintenance cost.</p> <p>In line with the government's Roadmap for Transport Development for Metro Manila and Its Surrounding Areas to alleviate the traffic congestion in Metro Manila (Footnote 2), partly caused by the constrained capacity of the existing bridges, and the Strategic Framework to Accelerate Infrastructure Development in the Philippine Development Plan 2017-2022, the Project will construct five bridges. Four bridges will cross the Marikina River and one will cross the Manggahan Floodway, which will increase the capacity of the road network in the project area. These new bridges will be designed to be resilient to natural disasters such as flooding and the adverse impacts of global warming. Despite the very limited space available in highly urbanized area of Metro Manila, the locations and alignments of the new bridges were carefully selected to ensure that (i) they contribute significant impact on traffic decongestion; and (ii) they create minimum social and resettlement impacts in the project area.</p>				
Impact	Transport sector enhanced to sustain economic growth and increase global competitiveness (Philippines Development Plan, 2017-2022, NEDA)				
Outcome	Efficiency of road travel in Marikina River and Manggahan Floodway areas improved.				
Outputs	Five bridges crossing Marikina River and Manggahan Floodway completed. Capacity of DPWH in bridge design, management and O&M strengthened.				
Geographical Location	City of Marikina, City of Pasig, Quezon City				
Safeguard Categories					
Environment	B				
Involuntary Resettlement	A				
Indigenous Peoples	C				
Summary of Environmental and Social Aspects					
Environmental Aspects					
Involuntary Resettlement					
Indigenous Peoples					
Stakeholder Communication, Participation, and Consultation					
During Project Design					

Business Opportunities

Consulting Services	Project Preparation: The detailed engineering design of the selected five bridges and other due diligence including safeguards, economics, financial management, procurement, etc., required for processing of the Project will be prepared by the consultant team engaged for the ongoing Loan 3589-PHI: Infrastructure Preparation and Innovation Facility (IPIF).
Procurement	Advance contracting can start as soon as the preliminary design and cost estimates are available.

Responsible ADB Officer	Witoon Tawisook
Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Transport and Communications Division, SERD
Executing Agencies	Dept. of Public Works and Highways ADB-PMO Bldg. 2nd St. Port Area, Manila Philippines

Timetable

Concept Clearance	19 Oct 2018
Fact Finding	21 Apr 2020 to 08 May 2020
MRM	20 Jun 2020
Approval	-
Last Review Mission	-
Last PDS Update	09 Jan 2020

Project Page	https://www.adb.org/projects/52181-001/main
Request for Information	http://www.adb.org/forms/request-information-form?subject=52181-001
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