

Asian Development Bank Southeast Asia Department



Railway Project Pipeline

The views expressed in this presentation are the views of the author/s and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy of the data included in this presentation and accepts no responsibility for any consequence of their use. The countries listed in this presentation do not imply any view on ADB's part as to sovereignty or independent status or necessarily conform to ADB's terminology.



Markus Roesner and Ruediger Zander

Asian Development Bank
Transport and Communications Division
Southeast Asia Department
Manila, Philippines



Background

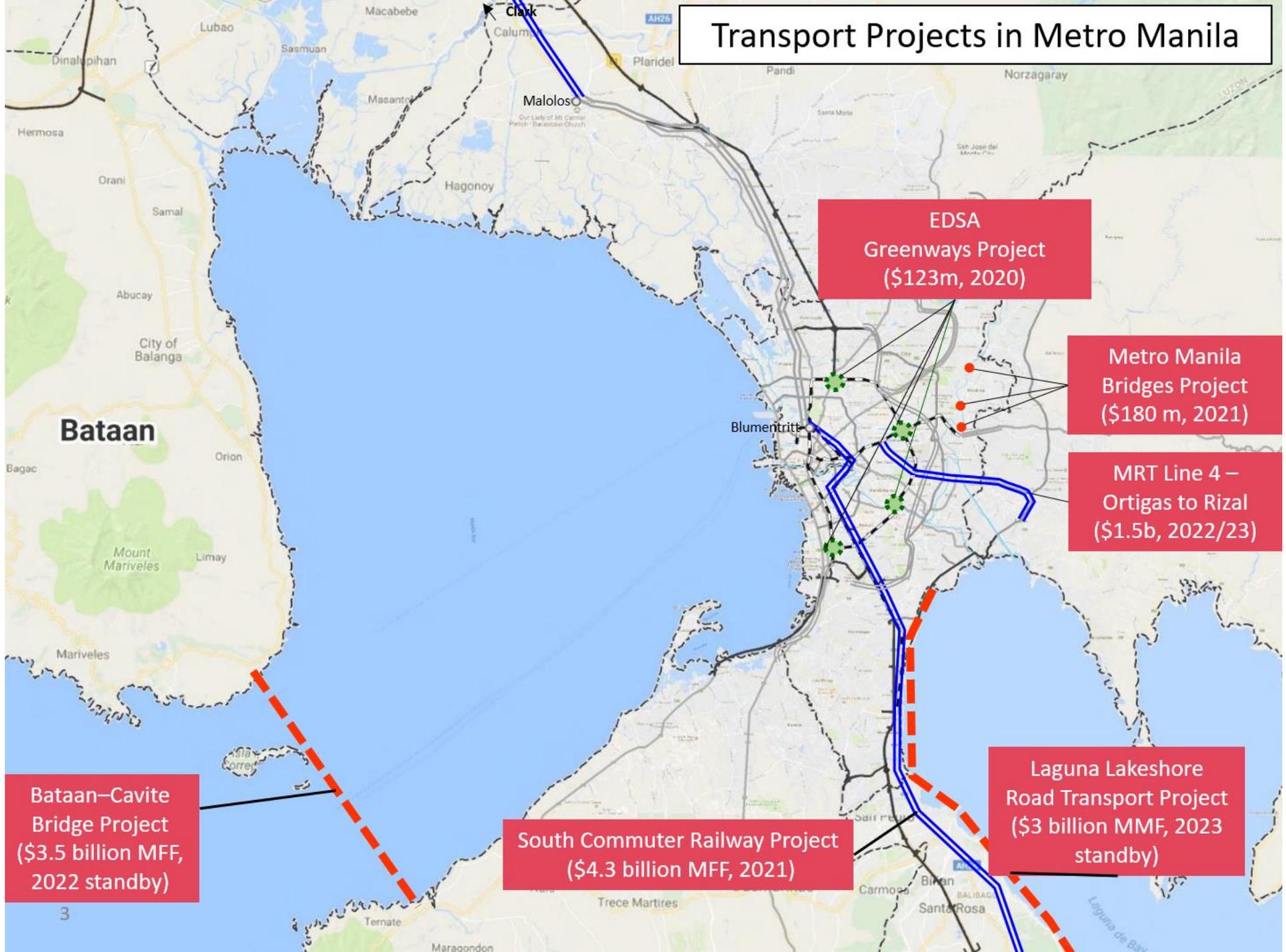
Philippines is among the fastest growing economies in Southeast Asia

- Gross Domestic Product (GDP) growth 6.4 % annually (2010–2018)
- Aims to achieve upper middle-income country by 2022

Poor infrastructure hampers competitiveness and economic growth

- GDP loss (0.8 %) and productivity loss (\$18 billion per year) due to delays from road congestion in Metro Manila alone
- Philippines is 97th out of 137 countries based on World Economic Forum Global Competitiveness Report), far behind Malaysia (22nd), Thailand (43rd) and Indonesia (52nd)
- Nationwide 98 % of passenger transport and 55 % of freight transport are by road

Transport Projects in Metro Manila



North–South Railway Project

Clark–New Clark City Railway (18 km)

ADB/JICA cofinancing
(ADB pipeline for 2022)

Malolos–Clark Railway Project (53 km)

ADB/JICA cofinancing, 2 sections:

- **Malolos–Clark–Clark Int’l Airport**
- **Solis - Blumentritt**

Tutuban – Malolos (37 km)

JICA financing

South Commuter Railway (55 km)

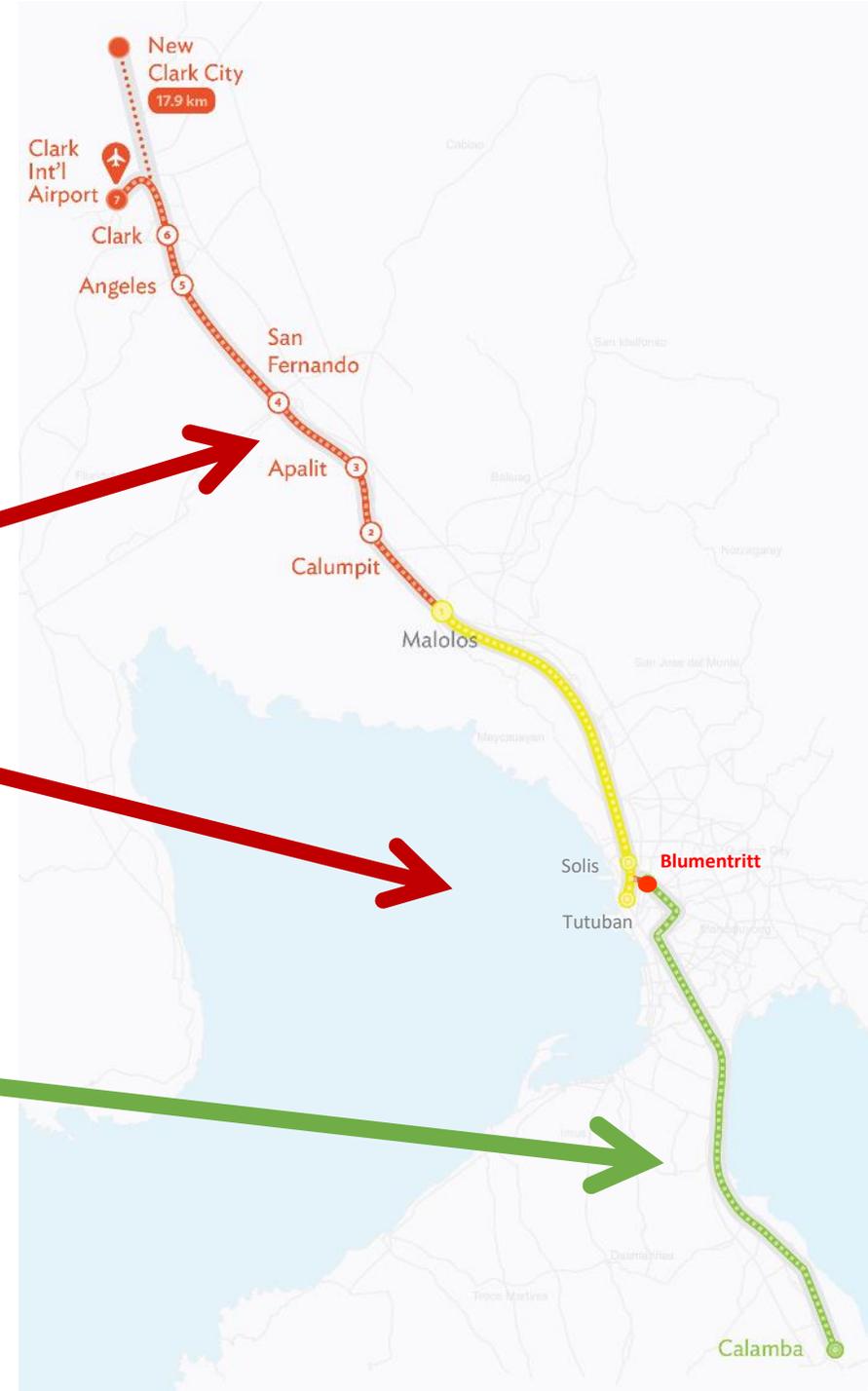
ADB/JICA cofinancing
(ADB pipeline for 2021)

- **Blumentritt – Calamba**
- **Senate – FTI – Bicutan
(tunnel connection to MMSP)**

Notes:

JICA = Japan International Cooperation Agency

MMSP = Metro Manila Subway Project



Financing arrangements

ADB – Asian Development Bank

- Civil works (viaduct, bridges, stations, tunnel, depot)
- Capacity development under Technical Assistance loan and grants

JICA – Japan International Cooperation Agency

- Feasibility Study and Detailed Design
- Rolling stock and core system (track, electrical and mechanical system, signal/telcom, depot equip.)
- General Consultant cum Construction Supervision Consultant

Government

- Land acquisition and resettlement, utility shifting
- Financing charges, recurrent cost, taxes and duties

Benefits

- Safe, affordable and reliable public transport with universal access
- Multimodal integration and direct trains to Manila Subway
- Full adherence to ADB, JICA and Philippines safeguards policies, including informal settlers given access to social housing
- Climate resilience and safety through elevated alignment
- Time savings: From today 2 to 3 hours by bus to 1 hour by train
- Estimated 1 million passengers per day in 2040
- Reduce GHG emissions by 60,000 tons annually
- Private sector O&M contractor (Hybrid scheme)



Timelines and Progress Achieved

Malolos–Clark Railway Project

- ADB financing \$2.75 billion
- Loan approval 23 May 2019
- Loan signing 11 July 2019
- Contract signing
- 2 contracts in Clark 1 August 2020
- 3 contracts Malolos–Clark 8 October 2020
- Partial operation 2024

South Commuter Railway Project

- ADB financing (proposed) \$4.3 billion
- Advertise bidding since Nov 2020; bid submission July 2021
- Loan approval (target) 2021
- Contract Awards 2021/2022
- Project completion partial operation 2026/27, full operation 2028

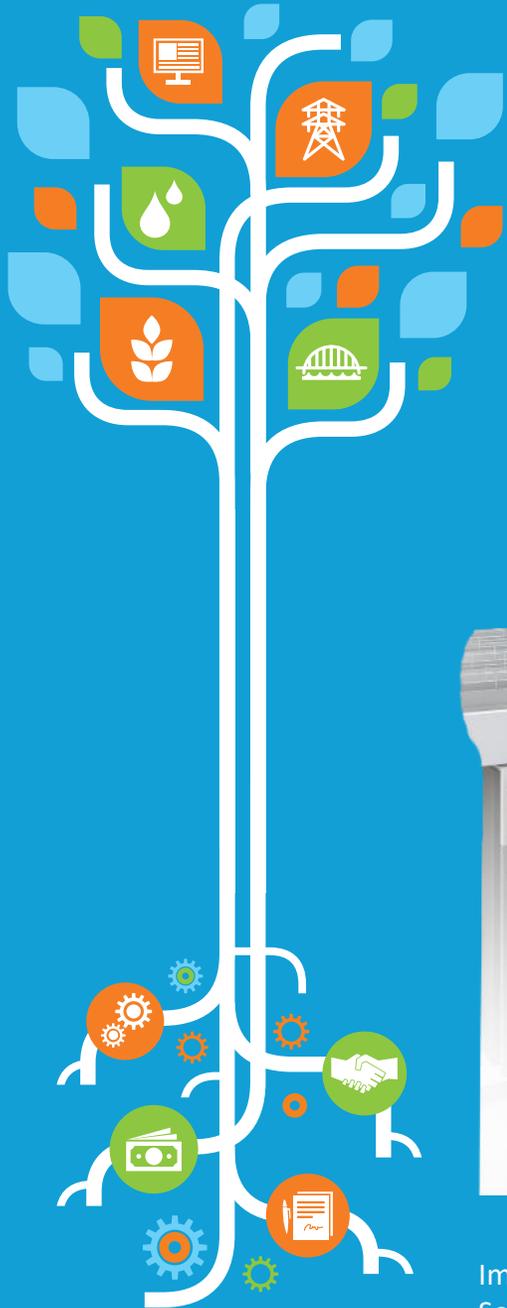
Manila MRT Line 4 Project

- 15.5 km high-capacity rail based public transport, linking Ortigas Centre with highly populated areas in Rizal Province and Gilmore Station in Quezon City
- Planned as entirely elevated system, with 13 stations, 1 depot



Manila MRT Line 4 Project

- Implementing agency: Department of Transportation (DOTr)
- Feasibility Study completed in June 2019
- National Economic and Development Authority (NEDA) Board approval in January 2020
- Estimated project cost about \$1.18 billion (PhP57.07 billion, based on Feasibility Study)
- Foreseen Project Financing: Official Development Assistance (ODA)
- Preparation of Design, Project Management and Procurement Support (Financed under Infrastructure Preparation and Innovation Facility IPIF-AF)
- Design Consultant recruitment (ongoing), expected start Q2/Q3 2021



BUSINESS
OPPORTUNITIES

THANK YOU!



Image: Blumentritt Station, Malolos-Clark Railway Project
Source: Department of Transportation / JICA Design Team

ADB