



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
**STRATEGIC INFRASTRUCTURE
PROGRAMS AND PROJECTS**

**BUILD BUILD
BUILD**

Acting Secretary ROGER G. MERCADO

November 26, 2021



Infrastructure is among the top priorities of the Duterte Administration with public spending on infrastructure projects targeted to reach 8-9 Trillion pesos from 2017-2022.

The Build Build Build Portal identified high impact projects that are envisioned to increase the productive capacity of the economy, create jobs, increase incomes, and strengthen the investment climate leading to sustained inclusive growth.

Build Build Build

Build Build Build

PHILIPPINE INFRASTRUCTURE SPENDING TO GDP RATIO

Year	Infra Spending to GDP
2022	5.8% (Php1.290 T)
2021	5.3% (Php1.131 T)
2020	4.6% (Php972.5 B)
2017-2019	6.0% (Php932.0 B)
2011-2016	3.0% (Php378.3 B)
2001-2010	1.6% (Php100.3 B)

Economic Team Ramps Up Infra Spending for 2022-2024

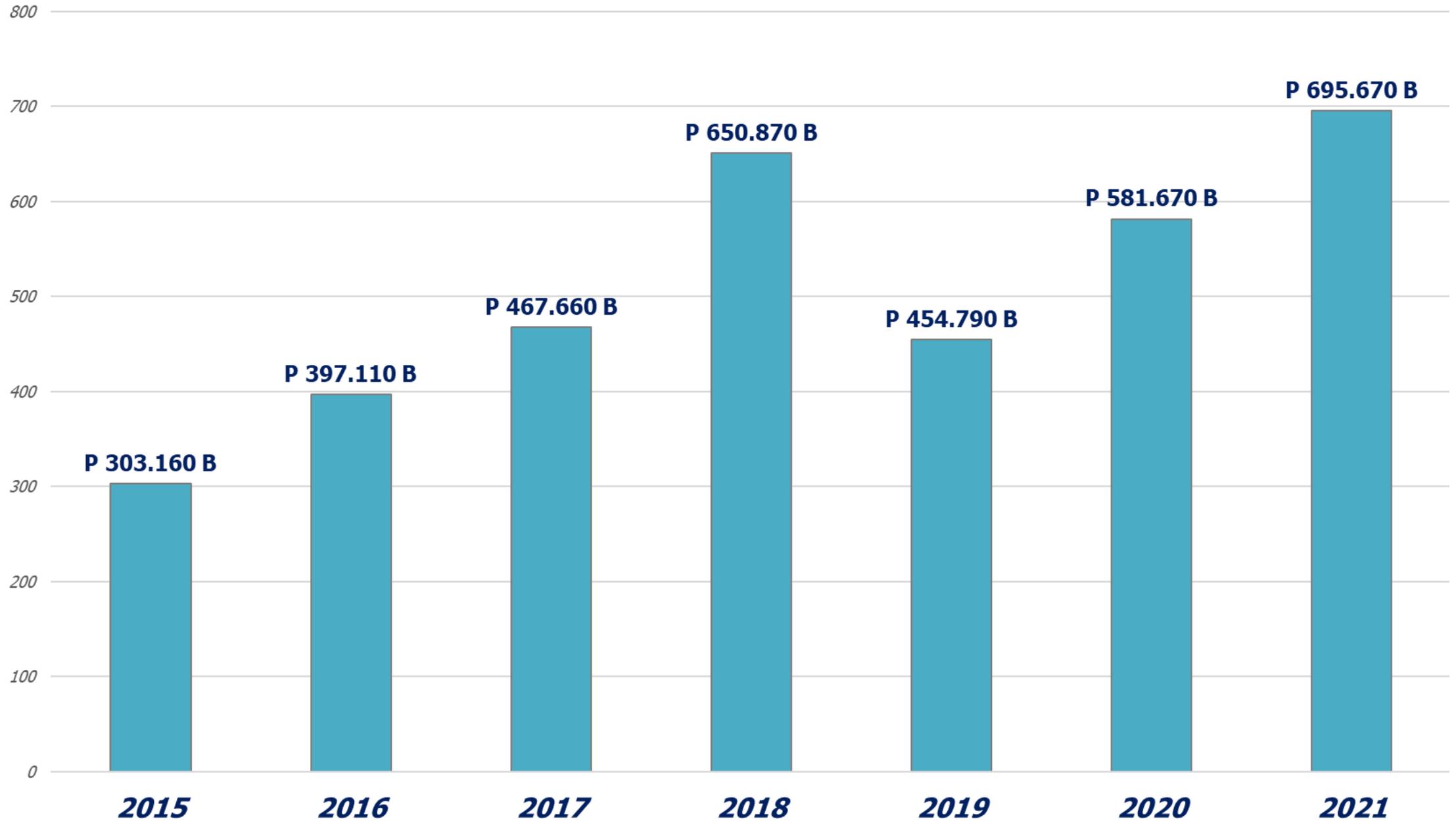
Philippine Daily Inquirer, 21 July
2021

The proposed 2022 budget will continue to invest in building the country's resilience amid the pandemic...while also ramping up economic growth through investments in public infrastructure

**Development Budget
Coordination Committee**

2015-2021 DPWH TOTAL BUDGET

(Amount in Billion Pesos)





DPWH Strategic Infrastructure Programs

Traffic Decongestion Program

- High Standard Highways/Expressways
- By-passes/diversion roads
- Flyovers, interchanges and underpasses
- Widen national roads and bridges

Integrated and Seamless Transport System

- Mindanao Logistics Infrastructure Network, MLIN
- Roads leading to growth corridors in Western Mindanao
- Inter-Island Linkage/Mega Bridge Program
- Connect gaps along national roads and construct new bridges

Convergence and Rural Road Development Program

- Construct/upgrade access roads to designated tourism destinations, industrial trade corridors, RORO ports / seaports, railway stations and airports.

Livable, Sustainable & Resilient Communities

- Integrated Water Resources Management Program
- Disaster Risk Reduction and Climate Change Adaptation Program
- Infrastructure Support for Marginalized Sectors
- Build bike lanes/facilities and pedestrian infrastructure.

50 DPWH

INFRASTRUCTURE FLAGSHIP PROJECTS in “Build, Build, Build”

(Based on NEDA Revised List of Infrastructure Projects as of 12 May 2021)

32 PROJECTS

Unified Project Management Office (UPMO)

9 PROJECTS

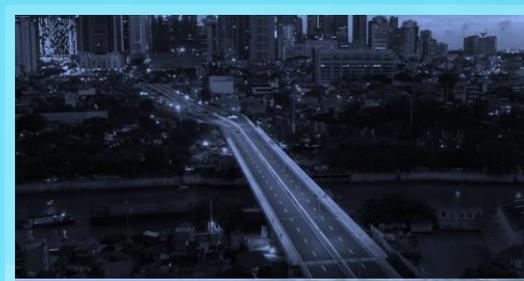
Public-Private Partnership (PPP)

7 PROJECTS

Regional Operations

2 PROJECTS

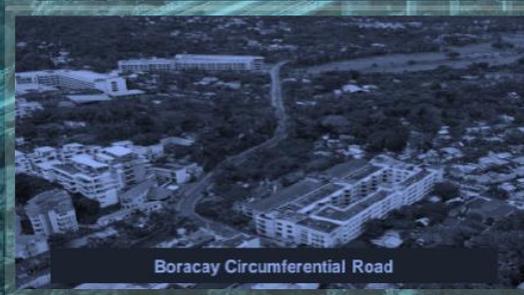
Mixed Financing (ODA/PPP/GAA)



Section A (Panay-Guimaras)-13.00km



Perspective



Boracay Circumferential Road

Perspective

SUMMARY OF ROAD ACCOMPLISHMENTS

JULY 2016-SEPTEMBER 2021

31,977
Kilometer of Roads

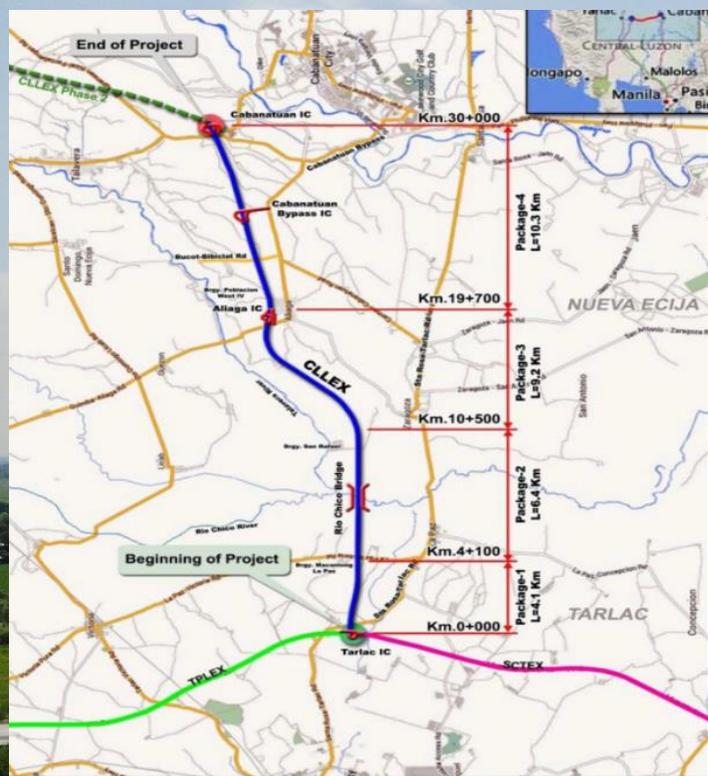
Completed

constructed, maintained, widened,
upgraded and rehabilitated

13,841
Kilometer of Roads

Ongoing





CENTRAL LUZON LINK EXPRESSWAY (CLLEX) PROJECT, PHASE I - JICA

Construction of a 30 km, 4-lane New Expressway. It starts from SCTEx/TPLEX junction in Tarlac City and traverses the flat plain of Central Luzon in the east-west direction passing through Tarlac (La Paz) and Nueva Ecija (Zaragoza, Aliaga, Cabanatuan City)

CP 1 (4.1 km) CP 3 (9.2 km) CP 5 (4.8 km)*
 CP 2 (6.4 km) CP 4 (10.3 km) *Locally-funded

It will reduce travel time between Tarlac City and Cabanatuan City from **70 minutes** to **20 minutes**

PROJECT COST :
Php14.94 BILLION

SCHEDULE:
MAY 2016 TO AUG 2022
 MAY 2016 TO JAN 2022 (CP-1 to CP-4)

STATUS:
Over-all (CP 1 to CP 4): 95.57%

CP 1: Completed on May 25, 2019
 CP 2: Completed on Jan. 25, 2021

CP 3: On-going (Actual Accomplishment = 92.59%)
 CP 4: On-going (Actual Accomplishment = 89.04%)
 CP 5: On-going (Actual Accomplishment = 32.40%)

ARTERIAL ROAD BYPASS PROJECT, PHASE III (PLARIDEL BYPASS) - JICA

Construction of additional two (2) lanes for Contract Package 1 to Contract Package 4 as final stage. It will start at Sta. 34+900 in Brgy. Borol, Balagtas along NLEX and ends at sta. 57+366 in Brgy. Maasim, San Rafael, Bulacan with a total length of 24.61 km.

Once Phase III is completed in 2023, it will reduce travel time between Burol, Balagtas and Maasim, San Rafael in Bulacan from

to **69 minutes**
to **24 minutes**

It will benefit **15,000** motorists per day.

PROJECT COST :
Php5.261 BILLION

SCHEDULE:
JULY 2018 TO JUNE 2023

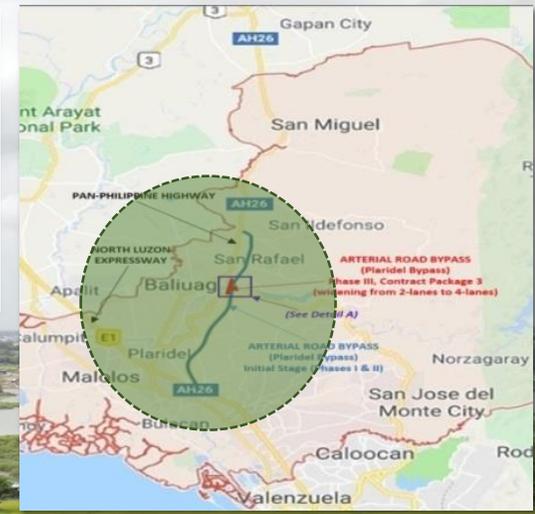
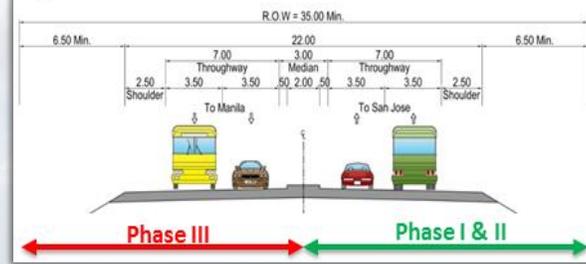
STATUS:

CP-3: Completed (March 31, 2021)

CP-1 & CP-2: On-going construction (Actual Accomp. = 6.95%)

CP-4: On-going construction (Actual Accomp. = 51.91%)

Typical Cross Section



UI-3, CP-VA:
On-going, 67.0%

Mindoro West Coast Road



ROAD UPGRADING AND PRESERVATION PROJECT (RUPP) – JICA/GOP

Improvement & Maintenance of 1,088.23 kms. of Arterial National Roads

PHP 34.15 BILLION

SCHEDULE: JULY 2013 – DECEMBER 2021

COMPONENTS:

- Upgrading / Improvement
- Asset Preservation Contract (LTPBM & Preventive Maintenance)
- Institutional Capacity Development

To enhance transportation capability and efficiency and ensure sustainability of roads through improvement and maintenance of arterial national roads across the Philippines.

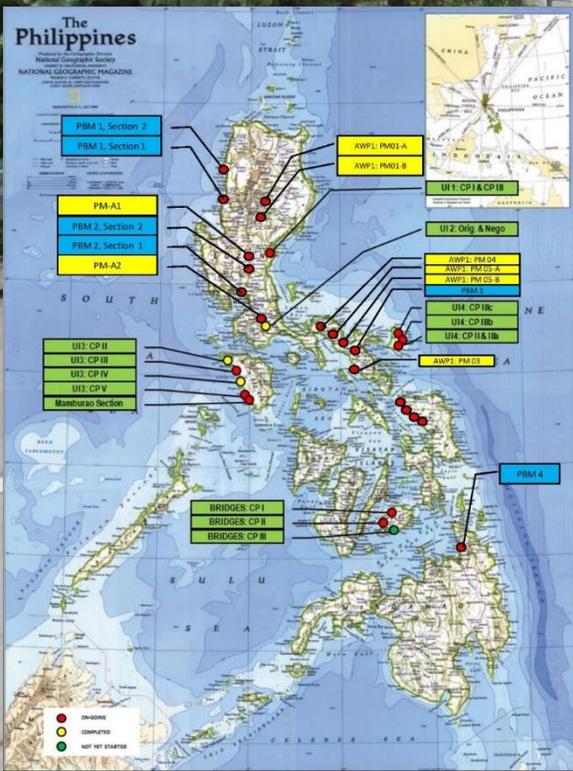
STATUS: 98.78 % (Over-all)

COMPONENTS:

- Upgrading / Improvement, 96.92%
- Asset Preservation Contract (LTPBM & Preventive Maintenance), 99.21%
- Institutional Capacity Development, 100%

➤ **COMPLETED PROJECTS (Civil Works): 72**

➤ **ON-GOING PROJECTS (Civil Works): 5**



DAVAO CITY BYPASS CONSTRUCTION PROJECT (JICA)

Involves the construction of a 45.5 km bypass road, including tunnels and underpasses, divided into six (6) subprojects

- Package I-1 (10.7 km)
- Package I-2 (12.8 km)
- Package I-3 (6.1 km)
- Package II-1 (2.7 km)
- Package II-2 (3.5 km)
- Package II-3 (9.7 km)

Travel time will be reduced from **1 Hour and 44 minutes** (via Pan-Philippine Highway Diversion Road) to **49 minutes** (via Davao City Bypass)

PROJECT COST :

	PACKAGE I	PACKAGE II
TOTAL	PHP 46.80 Billion	
	PHP 33.43 B (JPY 71,292 B)	PHP 13.37 B
LP	PHP 27.73 B (JPY 58,736 B)	
GOP	PHP 5.7 B	PHP 13.37 B

SCHEDULE:

STATUS:

Target start of

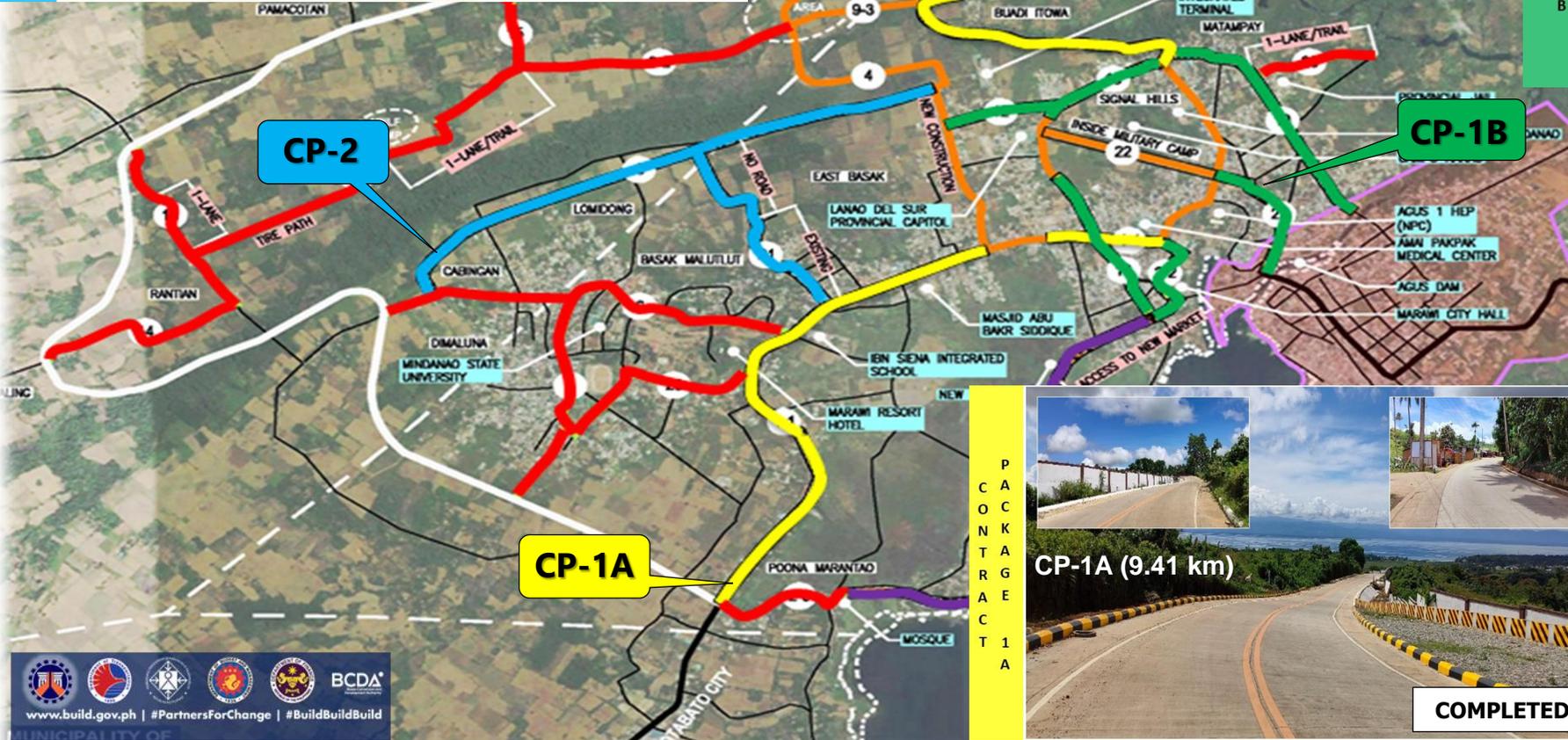


PROGRAMME FOR THE SUPPORT TO REHABILITATION AND RECONSTRUCTION OF MARAWI CITY AND ITS SURROUNDING AREAS (JICA Grant)

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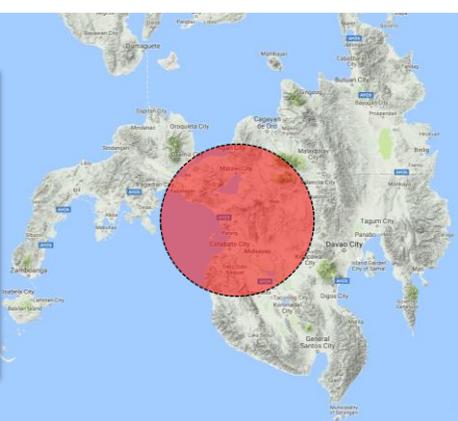


TOTAL LENGTH = 18.97 kms.
PROJECT COST: PHP970.97 M (JICA Grant)
(JPY 2.00 B)
SCHEDULE: JULY 2019 – SEPTEMBER 2021

	Contract Package 1A
	Contract Package 1B
	Contract Package 2
	Contract Package 3 (JICA Loan)
	Recently Completed/ Construction on-going/Road in good condition
	Construction of Drainage Only
	Most Affected Area
	Proposed Ring Road

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ROAD NETWORK DEVELOPMENT PROJECT IN CONFLICT-AFFECTED AREAS IN MINDANAO (RNDP-CAAM) - JICA

Development, construction and improvement of about 174.50 kms of access roads connecting BARMM & other regions in Mindanao that will support the development objectives of the conflict affected areas:

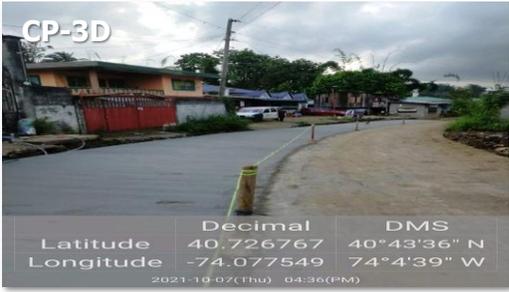
ON-GOING CONSTRUCTION

For Construction/Improvement (97.68 kms):

- SP2, Parang-Balabagan Road: 35.3 km
- SP8, Parang East Diversion Road: 7.0 km
- SP7, Marawi City Ring Road: 19.8 km
- SP9, Manuangan-Parang Road: 16.8 km
- Marawi Trans-Central Road Phase III: 18.78 km

For Detailed Engineering Design to be funded by JICA Grant of USD 7.9 Million (P419.10 M) (76.9 kms):

- SP6, Tapan Lebak Coastal Road: 63.0 km
- SP1, Matanog Barira Alamada Libungan Road: 13.9 km



**PROJECT COST :
Php12.86 BILLION**

**SCHEDULE:
MAY 2021 TO JUN 2026 (Civil Works)**

STATUS:

- On-going Civil Works (Marawi Trans-Central Road Phase III):
 - CP-3A: On-going (22.74%); CP-3B: On-going (18.07%)
 - CP-3C: On-going (22.52%); CP-3D: On-going (13.95%)
- On-going Procurement of Consulting Services for D.E.D., Tender Assistance and Construction Supervision
- On-going D.E.D. of SP6 and SP1 (JICA Grant)

LEGEND :
 2014 EU Assisted Study "The Indigenous Peoples of the Mainland ARMM"

www.build.gov.ph | #PartnersForChange | #BuildBuildBuild

	Decimal	DMS
Latitude	40.726767	40°43'36" N
Longitude	-74.077549	74°4'39" W
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PROJECT: CEBU-MACTAN BRIDGE (4th) and COSTAL ROAD CONSTRUCTION PROJECT (JICA)

Construction of 4th Cebu-Mactan Bridge (4 lanes)
with a total length of 3.3 km:

Main Bridge, Length = 215 m
Elevated Viaduct, Length = 2.86 km

Construction of Mandaue Coastal Road (4-6 lanes)
with a total length of 4.9 km:

Elevated Viaduct, Length = 4.751 km

Interchanges will be constructed at the linkage
between the two projects in Mandaue City.

PROJECT COST :

Php 76.412 BILLION (JPY 158.172 BILLION)

LP: Php 57.597 BILLION (JPY 119.225 BILLION)

GOP: Php 18.815 BILLION (JPY 38.947 BILLION)

SCHEDULE:

MAY 2023 TO JUNE 2028

STATUS:

- Confirmed by NEDA Board on January 28, 2020
- Loan Agreement was signed on June 16, 2020.
- ON-GOING DETAILED DESIGN STUDY** (JICA Grant)
- started on December 24, 2020 and expected to be completed by March 18, 2022.



PROJECT:

LAGUNA LAKESHORE ROAD NETWORK PROJECT, Phase I (IPIF under ADB TA Loan)

Proposed construction of a Road Network along Laguna Lakeshore which will connect Lower Bicutan, Taguig City and Calamba, Laguna.

Total Project Length = 51 km

- Viaduct = 11.8 km
- Embankment = 25.8 km
- Interchanges (8) = 7.3 km
- Local Connecting Roads = 6.1 km

It will provide safer, convenient and faster travel for motorists coming from north and south of the project area to various tourist and business destinations in Laguna, Rizal, Quezon and Batangas.

PROJECT COST :
Php175.696 BILLION

SCHEDULE:
2021 TO 2026
(DED: NOV 2021-DEC 2022)
(Civil Works : 2022-2026)

STATUS:

- EIRR = 17.36% (Per evaluation of NEDA ICC-TB)
- Approved by NEDA ICC-Cabinet Committee on September 27, 2021.
- NEDA Board approval through Ad Referendum was routed last October 14, 2021 for signature of the Board Members.
- **Detailed Engineering Design:**
 - Contract signing is scheduled upon the approval of the ICC-CC and NEDA Board of the LLRN Project through Ad Referendum.



Perspective



**ON-GOING
(CORE PROJECTS)**



PR-06



PR-07



PR-09



**ON-GOING
(NONE-CORE PROJECTS)**

PR-08

PR-09a

PR-12

PR-13



**PROJECT:
IMPROVING GROWTH
CORRIDORS IN MINDANAO
ROAD SECTOR PROJECT
(IGCMRSP) - ADB**

ZAMBOANGA PENINSULA

- Construction of seven (7) road sub-projects with a total gross length of 230.222 km (with exceptions)
- Construction of Guicam Bridge with a length of 540.8 l.m.

STATUS:

CORE PROJECTS:

- PR-06, Alicia-Malangas Road = 74.45%
- PR-07, Tampilisan-Sandayong Road = 85.87%
- PR-09, Lutiman-Guicam-Olutanga Road = 68.99%

NONE-CORE PROJECTS:

- PR-08, R.T. Lim-Siocon Road = 13.87%
- PR-09a, Guicam Bridge = 2.54%
- PR-12, Curuan-Sibuco Road = 22.94%
- PR-13, Siay-Gapol Road = 17.75%
- PR-01a, Gotalac-Baliguian Road: On-going Procurement (Bid date scheduled on November 09, 2021)

TAWI-TAWI PROVINCE

- Proposed construction of three (3) bridges with a gross length of 1,790.66 l.m.

STATUS:

- Bridge No.1 & Bridge No. 3 : On-going Procurement (Pre-bid Conference was held on October 12, 2021; Bid date scheduled on Nov. 09, 2021).
- DED Plans for Bridge No. 2 still under review by the Bureau of Design (BOD).

PROJECT COST :

Php25.257 BILLION

SCHEDULE:

2019 TO 2024

PROJECT:

EMERGENCY ASSISTANCE FOR RECONSTRUCTION AND RECOVERY OF MARAWI (EARRM) - ADB

(Output 2: Reconstruction and Development Plan for a Greater Marawi, STAGE 2)

The Reconstruction and Development Plan for a Greater Marawi is a Master Development Plan geared towards inclusive economic growth for Marawi City and its peripheral areas. The plan advocates the role of Infrastructure Development as a catalyst in developing new economic centers and viable living spaces. The components of the plan include the:

- Contract Package 1A: Rehabilitation of Existing Trans-central Roads, total gross length of 5.53 km.
- Contract Package 1B: Rehabilitation of Existing Mindanao State University Roads, total gross length of 4.71 km.
- Contract Package 1C: New Trans-central Roads and Drainage, total gross length of 6.86 km.
- Contract Package 2: Construction of Malabang Viaduct, total length of 2.4 km.
- Contract Package 3: Construction of Three (3) Main Drainage Channels, total length of 3.49 kms.
- Contract Package 4A: Construction of Rorogagus Bridge, total length of 300 m.
- Contract Package 4B: Replacement of Three (3) Bridges, total length of 657 m.
- Contract Package 5: Slope Protection, TR-28 Rehabilitation of Road along Marawi Bito Road and associated Drainages

PROJECT COST :
Php6.835 BILLION

SCHEDULE:
2020 TO 2024

STATUS:

- ON-GOING FEASIBILITY STUDY (95.36%)
 - CP-1C, CP-2 & CP-3
- ON-GOING D.E.D. (77.71%)
 - CP-1C, CP-2, CP-3, CP-4A, CP-4B & CP-5
- ON-GOING PROCUREMENT
 - CP-1A & CP-1B

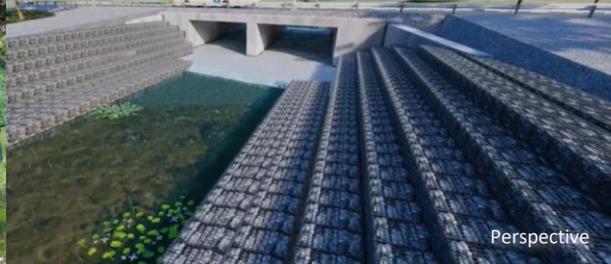


LEGEND:
Existing Drainage
BP-03
BPC-01
TR-28

CP-5: Rehabilitation and Slope Protection on Marawi-Bito Road and Associated Drainages



CP-3: Drainages



CP-2: Malabang Viaduct, Lanao Del Sur



SIMORA BRIDGE

(90.3% completed)



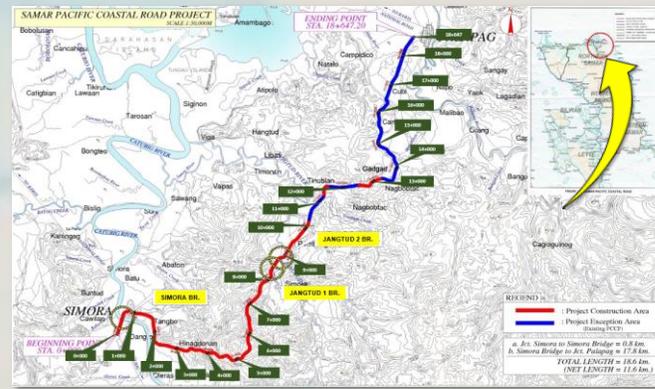
JANGTUD 2 BRIDGE

(38.26% completed)



JANGTUD 1 BRIDGE

(58.67% completed)



SAMAR PACIFIC COASTAL ROAD PROJECT (KEDCF)

Construction/Improvement of 18.647 km. road with existing PCCP exception of 7.04 km. and construction of three (3) bridges (Total Br. Length = 261 m).

- Simora Bridge = 161.00 m**
- Jangtud 1 Bridge = 31.00 m**
- Jangtud 2 Bridge = 69.00 m**

The Project is envisioned to link the so called "Pacific Towns". Its completion would complement and eventually establish a circumferential road loop of Samar Island.

PROJECT COST :
Php1.241 BILLION

SCHEDULE:
MAY 2018 TO JUNE 2022

STATUS:
ON-GOING CONSTRUCTION

(Over-all Actual Accomplishment = 58.118%)
(Over-all Bridge Construction Accomplishment = 73.07%)



Paved Length at Intermittent Sections (52.65% completed)



Metro Manila Skyway Stage 3

18.83 kilometer elevated expressway from Buendia, Makati City to the North Luzon Expressway in Balintawak, Quezon City.

Reduced travel time from Buendia to Balintawak from 2 hours to 15 - 20 minutes. Will decongest EDSA and other major roads in Metro Manila (e.g., Quezon Avenue, Araneta Avenue, Nagtahan and Quirino Avenue) by as much as 55,000 vehicles per day.

Project Cost: P54 Billion

Funding Source: PPP

Schedule: January 2015 - December 2020

(Main Trunkline from Buendia to NLEX)

Boracay Circumferential Road

Concreting and improvement/widening of 21.64 kilometer main road including construction of sidewalks with paving blocks, street lighting, tree planting and sprigging, pavement markings, and the provision of bike lanes. Travel time between the Boracay Circumferential road is approximately 1 hour and 15 minutes from Cagban Port/Tambisaan Port (Brgy. Manoc-Manoc) to Ilig-Iligan Beach (Brgy. Yapak). The road will serve as the connection between the two main entry/exit points of the island and will reduce travel time by 40-45 minutes.

Project Cost: P1.660 Billion

Schedule: May 2018-December 2021

Davao City Coastal Road

17.352-Km 4-lane coastal road (with bicycle lane) project from Bago Aplaya to R. Castillo. The road will serve as alternative route to the already congested Davao-Cotabato Road en route to the city center.

Will reduce travel time from Toril to Poblacion from 45 minutes to 15 minutes.

Project Cost: P26.35 Billion
Funding Source: Locally Funded
Schedule: 2017-2023

SUMMARY OF BRIDGE ACCOMPLISHMENTS

JULY 2016 - SEPTEMBER 2021

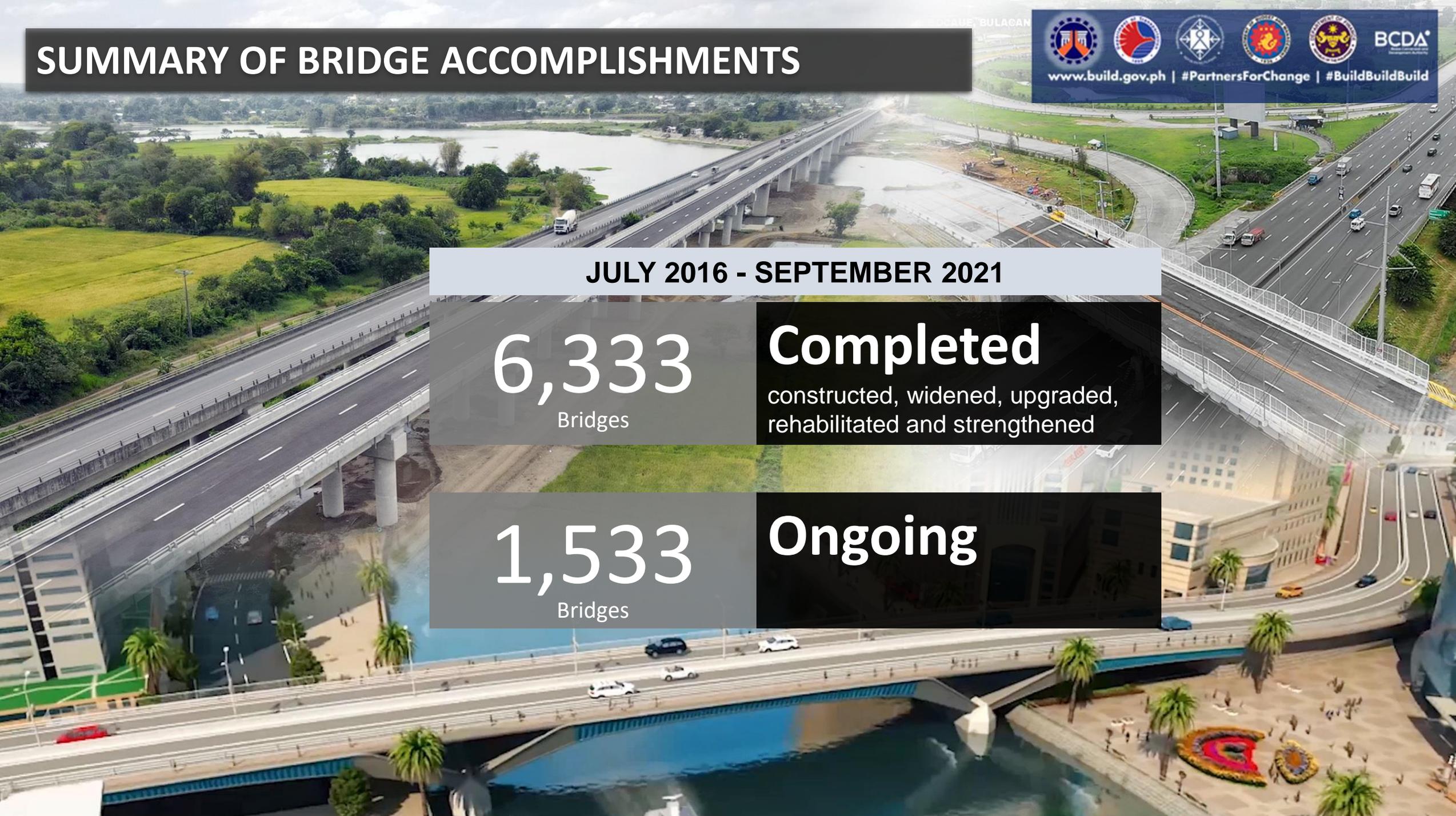
6,333
Bridges

Completed

constructed, widened, upgraded,
rehabilitated and strengthened

1,533
Bridges

Ongoing



PROJECT:

BONIFACIO GLOBAL CITY - ORTIGAS CENTER ROAD LINK PROJECT (Locally-funded)

STA. MONICA-LAWTON BRIDGE

- 440.029 meter, 4-lane bridge across Pasig River connecting Lawton Ave. in Makati City and Sta. Monica St. in Pasig City.
- 362.166 meter rehabilitation and widening of Brixton St. (corner Reliance St.) to Fairlane St.

LAWTON AVENUE TO GLOBAL CITY VIADUCT

- 565.317 meter, 2-lane viaduct structure traversing Lawton Ave. onwards to the entrance of Bonifacio Global City.

Total Length = 1,367.5 I.m.

Travel time between Bonifacio Global City and Ortigas Central Business District will be reduced from

40 minutes to 12 minutes

PROJECT COST :

Php5.72 BILLION

(Php1.793 Billion – Rev. Contract Cost of Civil Works)

SCHEDULE:

OCT 2017 TO NOV 2021

STATUS:

ON-GOING CONSTRUCTION

(Actual Accomplishment = 97.11%)



STA. MONICA-LAWTON BRIDGE (Kalayaan Bridge)



Partially opened to traffic on June 12, 2021 (Full opening on October 1, 2021)

Inaugurated by PRRD on 30 September 2021

Proposed Lambingan Bridge



PERSPECTIVE

Proposed Guadalupe Bridge



PERSPECTIVE

PROJECT: METRO MANILA PRIORITY BRIDGES SEISMIC IMPROVEMENT PROJECT (JICA)

To strengthen the resiliency of transport network in Metro Manila by improving the durability and safety of bridges against large scale earthquake.

GUADALUPE BRIDGE

- Replacement of existing Guadalupe Bridge with a total length of **114.44m** along EDSA, Mandaluyong City and Makati City.
- Construction Duration: 28 months

LAMBINGAN BRIDGE

- Replacement of existing Lambingan Bridge with a total length of **98.1m** located in New Panaderos St., Manila.
- Construction Duration: 22 months

PROJECT COST :

Php7.933 BILLION (JPY 14.192 BILLION)

SCHEDULE:

2021 TO 2024

STATUS:

- **Procurement of Civil Works (Rebidding)**
- A meeting between representatives from JICA and BMC-UPMO was held last July 22, 2021 regarding the comments to the submitted Bidding Documents.
- BMC-UPMO, through its letter to JICA Chief representative dated September 20, 2021, followed-up the latter's response/ concurrence to the submitted Bidding Documents. Through the same letter, BMC-UPMO also requested for a meeting with JICA and its representatives to discuss matters related to the said documents.



Bataan-Cavite Interlink Bridge

The project involves the construction of a 32.15 km, four (4) lane bridge starting from Barangay Alas-asin in Mariveles, Bataan, crossing Manila Bay and terminating in Barangay Timalan, Naic, Cavite. It also involves construction of two (2) navigation bridges – the North Channel Bridge and South Channel Bridge w/ main spans of 400 meters and 900 meters, respectively. Travel time between Bataan and Cavite will be reduced from nearly 5 hours to less than 2 hours.

Project Cost: P175.656 Billion

Funding Source: ADB

Schedule: 2022-2027

Status: Contract for the Consultancy Services of the project's DED was signed last October 20, 2020. Detailed Engineering Design is On-going

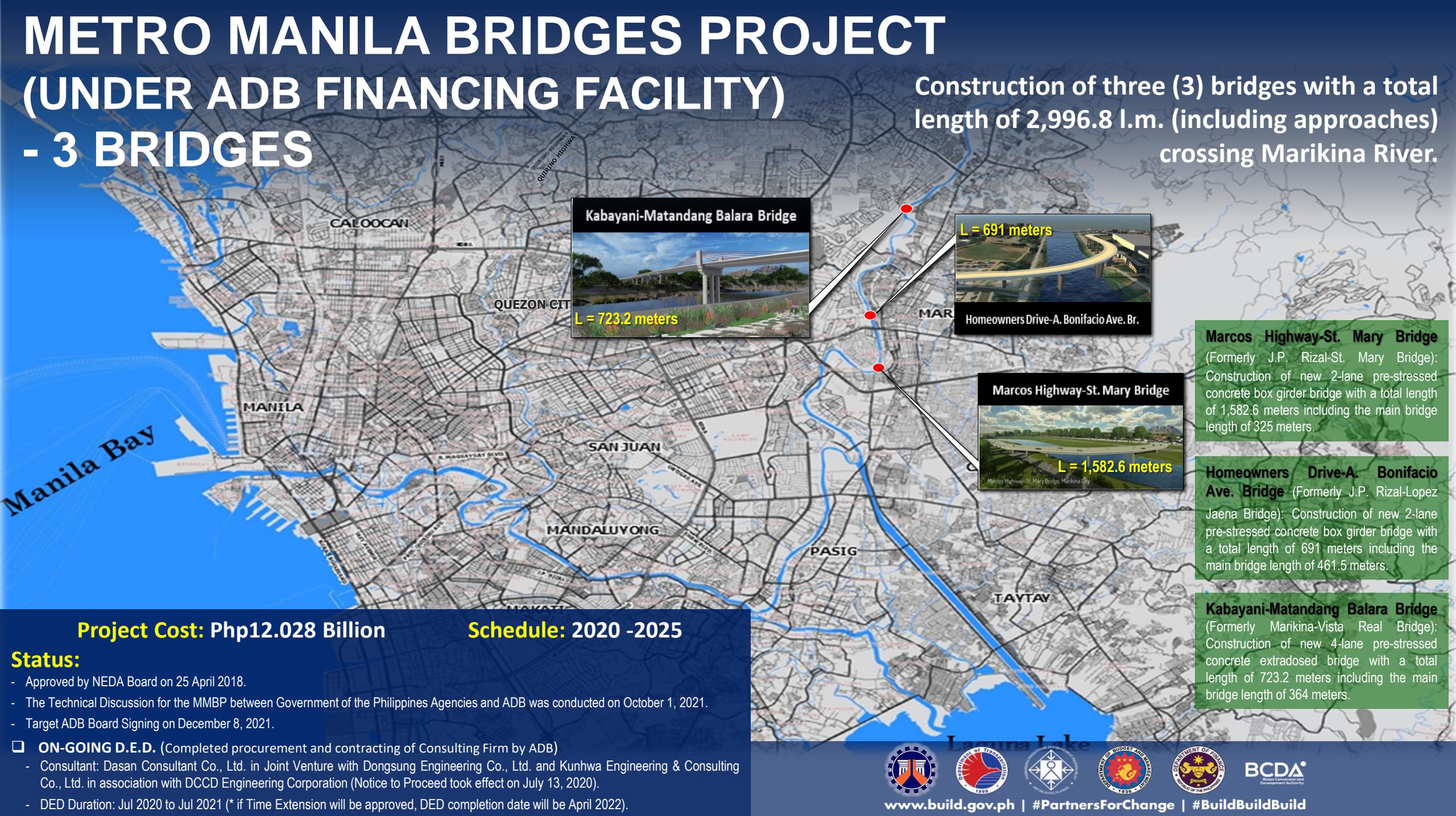


METRO MANILA BRIDGES PROJECT

(UNDER ADB FINANCING FACILITY)

- 3 BRIDGES

Construction of three (3) bridges with a total length of 2,996.8 l.m. (including approaches) crossing Marikina River.



Kabayani-Matandang Balara Bridge

L = 723.2 meters

L = 691 meters

Homeowners Drive-A. Bonifacio Ave. Br.

Marcos Highway-St. Mary Bridge

L = 1,582.6 meters

Marcos Highway-St. Mary Bridge
(Formerly J.P. Rizal-St. Mary Bridge): Construction of new 2-lane pre-stressed concrete box girder bridge with a total length of 1,582.6 meters including the main bridge length of 325 meters.

Homeowners Drive-A. Bonifacio Ave. Bridge (Formerly J.P. Rizal-Lopez Jaena Bridge): Construction of new 2-lane pre-stressed concrete box girder bridge with a total length of 691 meters including the main bridge length of 461.5 meters.

Kabayani-Matandang Balara Bridge
(Formerly Marikina-Vista Real Bridge): Construction of new 4-lane pre-stressed concrete extradosed bridge with a total length of 723.2 meters including the main bridge length of 364 meters.

Project Cost: Php12.028 Billion

Schedule: 2020 -2025

- Status:**
- Approved by NEDA Board on 25 April 2018.
 - The Technical Discussion for the MMBP between Government of the Philippines Agencies and ADB was conducted on October 1, 2021.
 - Target ADB Board Signing on December 8, 2021.

- ON-GOING D.E.D.** (Completed procurement and contracting of Consulting Firm by ADB)
- Consultant: Dasan Consultant Co., Ltd. in Joint Venture with Dongsung Engineering Co., Ltd. and Kunhwa Engineering & Consulting Co., Ltd. in association with DCCD Engineering Corporation (Notice to Proceed took effect on July 13, 2020).
 - DED Duration: Jul 2020 to Jul 2021 (* if Time Extension will be approved, DED completion date will be April 2022).



Design-Build for the Construction of Panguil Bay Bridge



3.169 km Bridge that will connect the City of Tangub in Misamis Occidental to the Municipality of Tubod in Lanao del Norte.

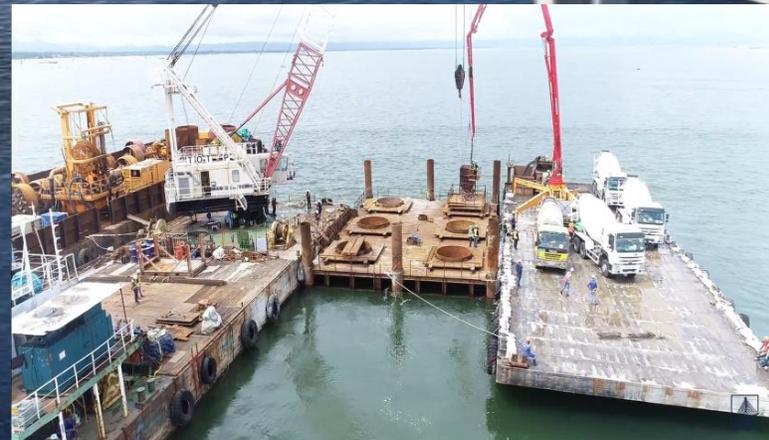
Once completed, it will only take 7 minutes to reach Tubod Municipality in Lanao Del Norte from Tangub City in Misamis Occidental using the bridge, compared to the 2.5 hours it would take via the 100-km route Tangub-Molave-Tubod Road or via Tangub-Kapatagan-Tubod Road

Project Cost: P7.375 Billion

Funding Source: KEDCF Loan No. PHL-18

Schedule: February 2020-December 2023

Status: Design and Build is on-going



Panay-Guimaras-Negros Island Bridges Project



Construction of 32.47 km – 2 sea-crossing bridges including connecting roads and interchanges that will connect the islands of Panay, Guimaras and Negros.

Travel time between Iloilo (Panay) and Buenavista (Guimaras) will be reduced from 45 minutes to 10 minutes. While, travel time between Buenavista (Guimaras) and Pulupandan (Negros) will be reduced from 60 minutes to 15 minutes.

Project Cost: P187.54 Billion

Funding Source: KEXIM-EDCF

Schedule (Civil Works/Construction): 2023-2029

Status: NEDA Board confirmed the project January 28, 2020. RDC endorsed the implementation of the project in stages and endorsed the implementation of Stage 1: The 13.0 km Panay-Guimaras Bridge last May 19, 2020. Letter was issued by NEDA September 20, 2021 informing the ICC-CC noted Ad Referendum August 18, 2021 of the decrease in total cost. Signing of Minutes of Discussion (MOD) for the conduct of DED is schedule on October 27, 2021.



Makati City side



Rockwell



Inaugurated by PRRD on 29 July 2021

Opened to traffic on July 30, 2021



Estrella St.

J.P. Rizal Ave.



Mandaluyong City side

Makati City side

PERSPECTIVE



Mandaluyong City side

PROJECT: ESTRELLA - PANTALEON BRIDGE (CHINA Grant-Aid)

The existing Estrella-Pantaleon Bridge will be replaced by pre-stressed concrete rigid frame bridge (V-shape piers) with corrugated steel webs with 4-lane concrete deck slab to connect Estrella Street at Makati side to Barangka Drive at Mandaluyong side.

Pre-Stressed Concrete Rigid Frame Bridge (V-shape Piers)

**Main Bridge Length = 146 l.m.
Total Length = 506.46 l.m.**

**CONTRACT COST :
Php1.462 BILLION**

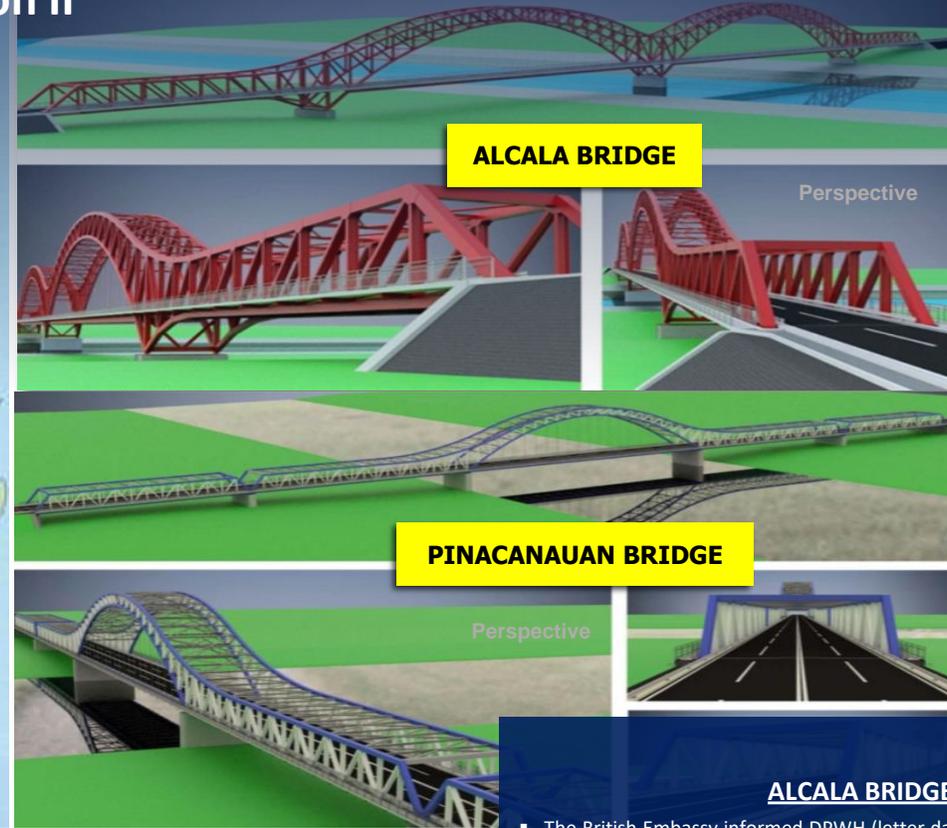
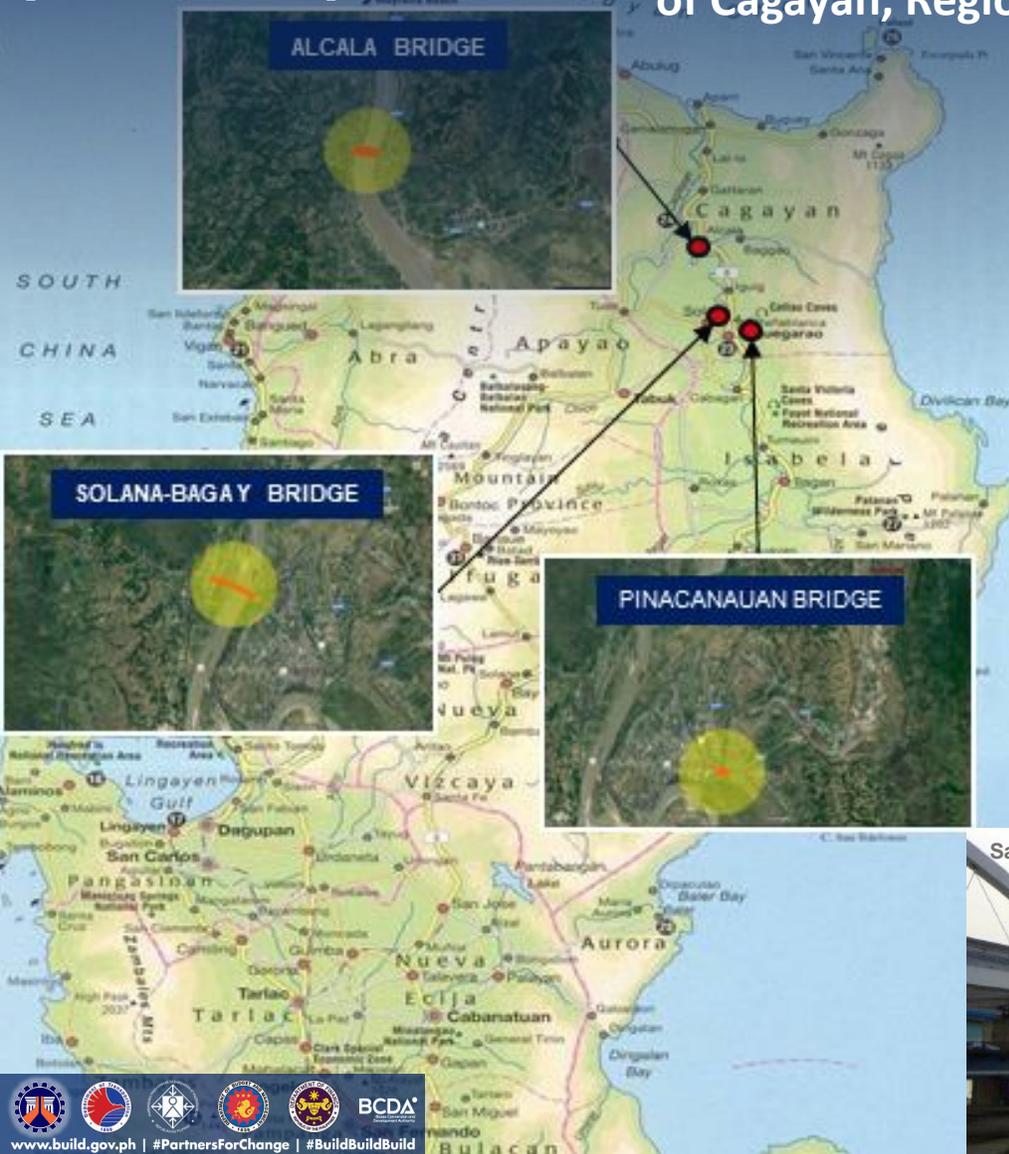
**CONTRACTOR :
China Road and Bridge Corporation**

**SCHEDULE:
AUG 2018 TO SEP 2021**

**STATUS:
COMPLETED
(September 17, 2021)**

ICONIC BRIDGE PROJECT FOR SOCIO-ECONOMIC DEVELOPMENT (UK-Assisted)

The project involves the proposed construction of Three (3) Long Span Bridges along major thoroughfares in the Province of Cagayan, Region II



Alcala Bridge, Tupang, Alcala, Cagayan
Construction of Four-lanes, 450 linear meter, 2 Bridge Type – Double Truss Arch (2 @ 140meters) and a Truss Girder (2 @ 85meters).

Pinacanauan Bridge, Peñablanca, Cagayan
Construction of Four-lanes, 450 linear meter, 2 Bridge Type – Double Truss Arch (2 @ 140meters) and a Truss Girder (2 @ 85meters).

Solana-Bagay Bridge, Solana, Cagayan
Construction of 2,54 linear meter four-lane bridge composed of conventional span of 49@40m = 1960m and arch span of 9@66m=594m.

Indicative Cost:
Php11.68 Billion
 (ALCALA BRIDGE & PINACANAUAN BRIDGE)
Php5.963 Billion
 (SOLANA-BAGAY BRIDGE)
Timeline:
2022 - 2025

STATUS:
ALCALA BRIDGE & PINACANAUAN BRIDGE

- The British Embassy informed DPWH (letter dated 17 June 2021) about the latest development of the Financing Framework discussions for the project. As mentioned therein, there are some issues regarding the legally binding status of the Note Verbale (N/V). Further, the British Embassy-Department of International Trade has taken legal advice as there is no precedent for this type of agreement within their department, it raises some questions around the Government's G-to-G policy going forward.
- On August 23, 2021, DPWH sent a letter requesting DOF to provide updates on the status of finalizing the Framework agreement between GPh and the Government of United Kingdom (UK).

SOLANA-BAGAY BRIDGE

- The bridge is to be implemented under ODA loan with a UK Financing Facility and proposed for inclusion in the DPWH Iconic Bridge Project for Socio-Economic Development that has undergone NEDA-ICC Technical Board approval and which the Financing Framework to attain a G-to-G Financing structure is still under process between DOF and the UK Embassy.

SUMMARY OF FLOOD CONTROL ACCOMPLISHMENTS



JULY 2016-SEPTEMBER 2021

12,394

Flood Control Projects

Completed

3,603

Flood Control Projects

Ongoing

Pasig-Marikina River Channel Improvement Project, Phase IV



Channel improvement works for Middle Marikina River (Rosario Bridge-Marikina Bridge) including the construction of Marikina Control Gate Structure (MCGS) and two (2) floodgates at the joining sections of Cainta and Taytay rivers to Mangahan Floodway.

The project together with the completion of the previous phases will reduce the flood inundation by more or less 75% and reduce flood damages by P68 Billion, for a 30-year flood safety level.

Project Cost: P33.097 Billion

Funding Source: JICA PH P 271

Schedule: 2021-2030

Status: The D.E.D. under JICA Grant was completed on August 4, 2020. The Consulting Services for the Construction Supervision is on going. Notice of Award for Contract Package 2 and Contract Package 3 were issued to the Contractor on June 18, 2021. The Notice to Proceed for the same were both issued on September 23, 2021. The Contractors for the said Contract Packages commenced their work on October 20, 2021.

PROJECT COST: PHP7.504 B

SCHEDULE: AUG 2016 – OCT 2021 (Civil Works)

OVER-ALL STATUS: 95.33%

Inaugurated on 23 Sept. 2021

FLOOD RISK MANAGEMENT PROJECT FOR CAGAYAN RIVER, TAGOLOAN RIVER and IMUS RIVER (FRIMP-CTI) - JICA

PROJECT: CAGAYAN RIVER SUB-PROJECT

Construction of Revetment structures for the most eroded river banks located at Alibago, Enrile (Revetment = 961 l.m) and Cataggaman, Tuguegarao City (Revetment = 1,544 l.m.) to address serious bank erosion resulting to loss of valuable lands in parts of Cagayan province.

CONTRACT COST :
PhP2.112 BILLION

DATE COMPLETED:
OCTOBER 22, 2019



PROJECT: TAGOLOAN RIVER SUB-PROJECTS I & II

Construction of river dikes and partial excavation of river channel together with drainage channel improvement. (Upstream Section, Dike Length = 642meters; Downstream Section, Dike Length = 1,927m)

CONTRACT COST :
Stage I: P141.3 M; Stage II: P636.7 M

DATE COMPLETED:
Stage I: NOV 2018; Stage II: MAR 2019



PROJECT: IMUS RIVER SUB-PROJECT

Construction of two (2) off-site retarding basins along Imus River (2.127Million m³) and Bacoor River (0.341Million m³) located in Brgy. Buhay na Tubig and Brgy. Anabu.

CONTRACT COST :
PhP2.238 BILLION (Rev.)

COMPLETION DATE:
OCTOBER 14, 2021*

* Contractor requested for temporary suspension due to pending approval of Variation Order No. 2)

STATUS :
ACTUAL ACCOMPLISHMENT: 81.327%

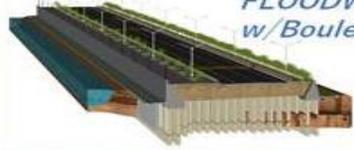


Structural Measures

FLOODWALLS



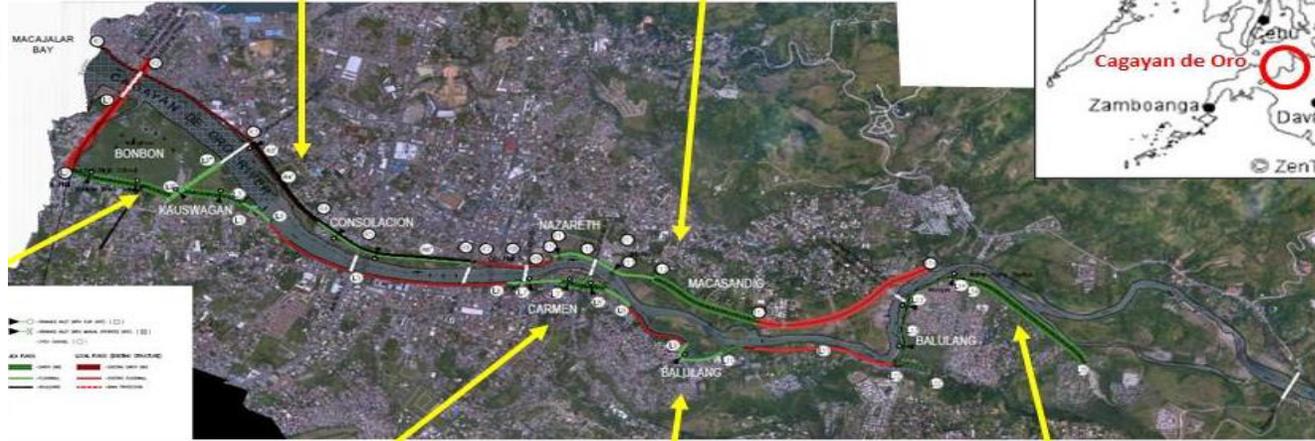
FLOODWALL w/ Boulevard



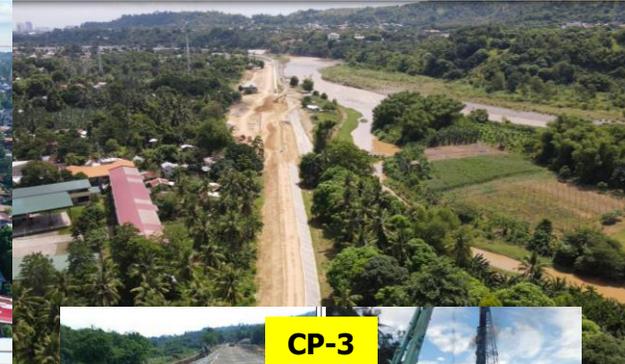
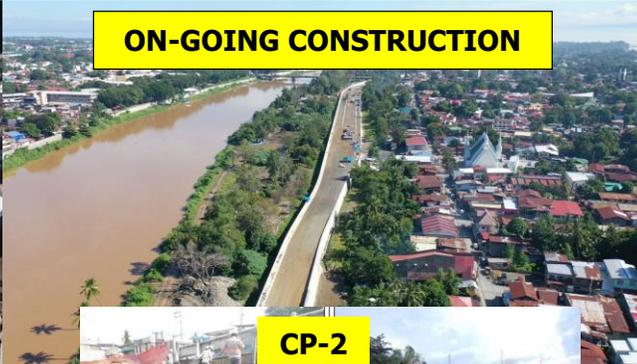
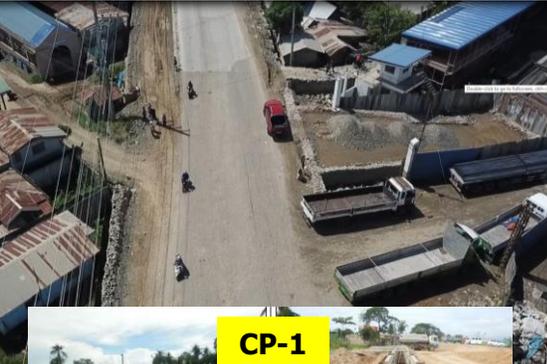
DIKES w/ Boulevard



DRAINAGE INLETS



ON-GOING CONSTRUCTION



PROJECT: FLOOD RISK MANAGEMENT PROJECT FOR CAGAYAN de ORO RIVER (FRIMP-CDOR) - JICA

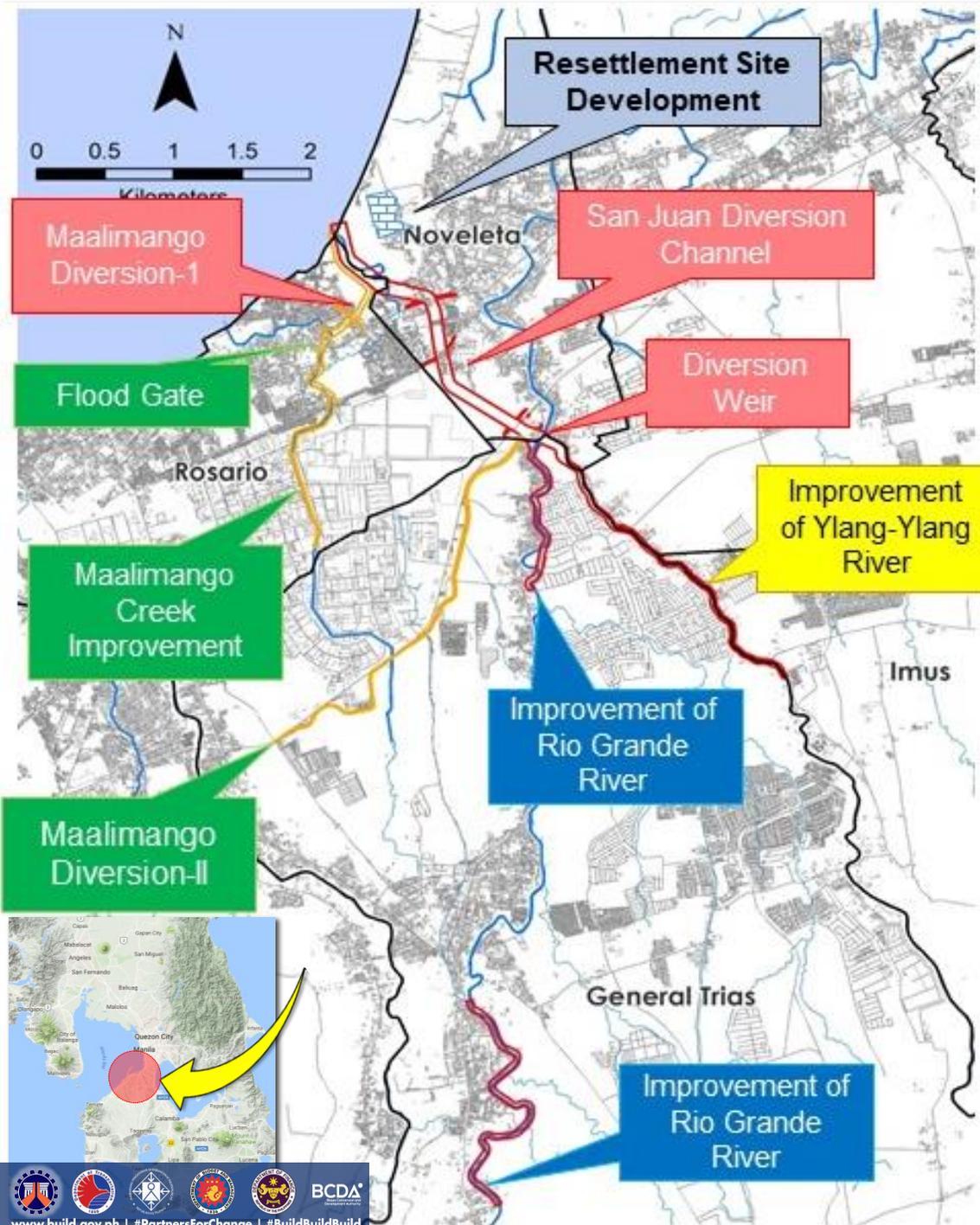
The project involves implementation of Structural and Non-Structural measures. The basic consideration in the design and implementation of the flood risk management works are the topographic, social and development conditions in the area, as well as the flood damage caused by Typhoon Sendong.

- CP-1: Bonbon-Kauswagan
- CP-2: Consolacion
- CP-3: Kauswagan-Carmen-Balulang-Nazareth-Macasandig

PROJECT COST :
PhP8.549 BILLION

SCHEDULE:
DEC 2018 TO AUG 2023

STATUS:
Over-all Status of FRIMP-CDOR = 84.177 %
CP-1: On-going (Actual Accomplishment = 79.98%)
CP-2: On-going (Actual Accomplishment = 91.22%)
CP-3: On-going (Actual Accomplishment = 74.78%)



PROJECT:

CAVITE INDUSTRIAL AREA FLOOD MANAGEMENT PROJECT (JICA)

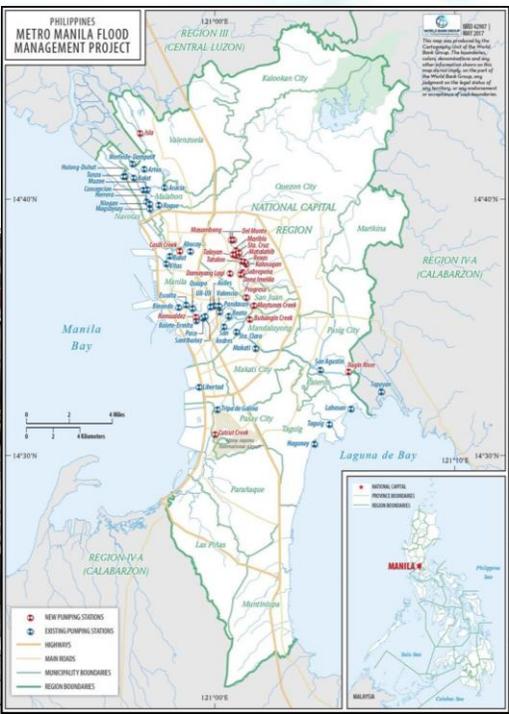
The Project Area is situated in San Juan River Basin and its adjacent Maalimango Drainage Area in the eastern part of the Province of Cavite. The extent of the Project Area is about 151.5 sq. km., composed of 146.8 sq. km. of San Juan River Basin and 4.7 sq. km. of Maalimango Drainage Area.

- Package 1: Construction of San Juan Diversion Channel with Diversion Weir & Maalimango Diversion-I, Bridges of Diversion Road
 - Package 2: Improvement of Rio Grande River
 - Package 3: Improvement of Ylang-Ylang River
 - Package 4: Maalimango Creek Improvement and Construction of Maalimango Diversion-II, Flood Gate
 - Package 5: Resettlement Site Development
- ☐ Around 7,000 houses in the area will be protected from flooding
 - ☐ Will mitigate flooding along Cavite Industrial Area covering San Juan River Basin

PROJECT COST :
PhP10.101 BILLION

SCHEDULE:
2021 TO 2026

STATUS:
ON-GOING DETAILED ENGINEERING DESIGN (98.30%)
 - D.E.D. to be completed in December 2021.



MMFMP, PHASE I (Pumping Stations, PS)	
Rehabilitation of Existing PS	36
Construction of New PS	20
TOTAL	56



BALUT P.S. (Completed)

PROJECT: METRO MANILA FLOOD MANAGEMENT PROJECT, PHASE I (WORLD BANK, AIIB)

The Project will follow a *programmatically approach* where each drainage area will be studied and investigated in detail per batches during the first three years so that the needed interventions can be properly determined. The project consists of four (4) components:

- Modernizing Drainage Areas
- Participatory Housing and Resettlement
- Minimizing Solid Waste in Waterways
- Project Management & Coordination

Rehabilitation of Existing Pumping Stations = 36

Construction of New Pumping Stations = 20

**PROJECT COST :
PhP23.5 BILLION**

**SCHEDULE:
2018 TO 2024**

STATUS:

Rehabilitation Works of Existing Pumping Stations (PS)

1st Batch

- Balut PS: Completed; Vitas PS: On-going construction, 9.215%
- Paco PS & Labasan PS : On-going procurement
- Tripa de Galina PS: Target start of procurement is 4th quarter of 2021.

2nd Batch (8 PS) : Target start of procurement is 2nd Quarter of 2022.

3rd Batch (14 PS) : Target start of procurement is 2nd Quarter of 2022.

4th Batch (9 PS) : Target start of procurement is 3rd Quarter of 2022.

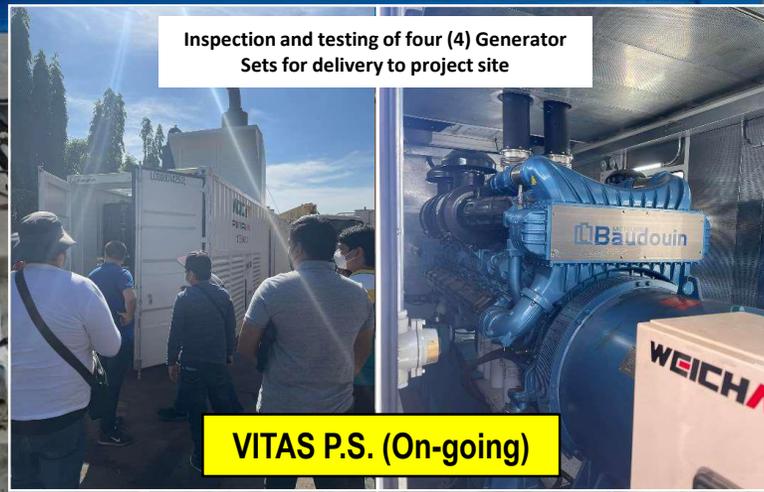
Construction of New Pumping Stations (PS)

1st Batch

- Target start of procurement is 4th Quarter of 2022.

Equipment

- Bid documents currently being finalized based on the latest comments of the Bank and target to be advertised by end of November 2021.





INTEGRATED DISASTER RISK REDUCTION and CLIMATE CHANGE ADAPTATION (IDRR-CCA) MEASURES IN LOW LYING AREAS OF PAMPANGA BAY (KOREA ODA)

Project Description:

➤ The project is located at the river mouth of the Pampanga River in the southernmost Pampanga Province. The project includes Four (4) rivers: the Third River, the Eastern Branch, the Caduang Tete River and the Sapang Maragul River.

❑ Excavation/Dredging/Embankment of River:

Excavation	= 245,669.50 m ³
Embankment	= 1,711,897.69 m ³
Dredging	= 3,712,379.65 m ³

❑ Construction of Three (3) Bridges, Five (5) Footbridges, Eight (8) Sluice Gates structure and 164 Fish Pond gates.

Project Objectives:

- To protect life and minimize damages to properties from perennial flooding in the project area;
- To revive the regional economy and improve the resident's welfare;
- To reduce flood level and flooding duration in the Municipalities of Macabebe, Masantol, Minalin, Sto. Tomas; and
- To improve drainage efficiency of the river channel network in the Third River including the Eastern Branch River, the Caduang Tete River and Sapang Maragul River.

Project Cost: Php6.15 Billion (LP - Php3.267 B; GOP - Php2.883 B)
(KOREA-EDCF L/A No. PHL-17)

Schedule: July 25, 2018 to December 19, 2022 (Civil Works)

Project Status: (as of 31 October 2021)

- On-going construction (72.02%)
(Civil Works Contractor: Hanjin Heavy Industries & Construction Co., Ltd.)





DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

THANK YOU!!!

