
Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



**PHILIPPINE INVESTMENT OPPORTUNITIES
IN INFRASTRUCTURE**
SINGAPORE, SEPTEMBER 29, 2014

Secretary ROGELIO L. SINGSON

A large, light gray 3D-style graphic of a gear with a building inside, positioned on the right side of the slide. The gear is partially overlapping the text 'IN INFRASTRUCTURE' and 'SINGAPORE, SEPTEMBER 29, 2014'. The building inside the gear is a stylized representation of a modern structure with multiple levels and a central tower.

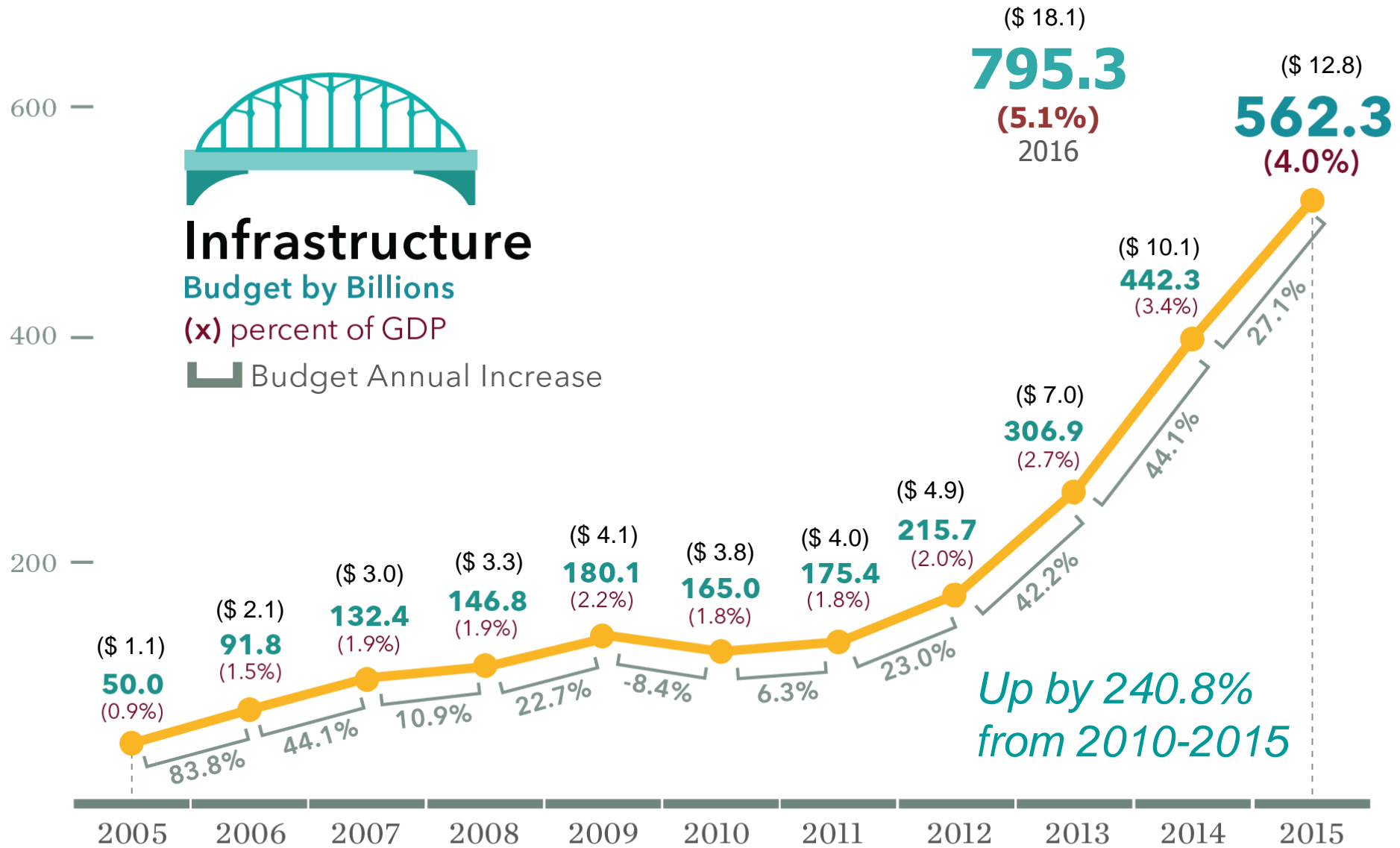


Infrastructure

Budget by Billions

(x) percent of GDP

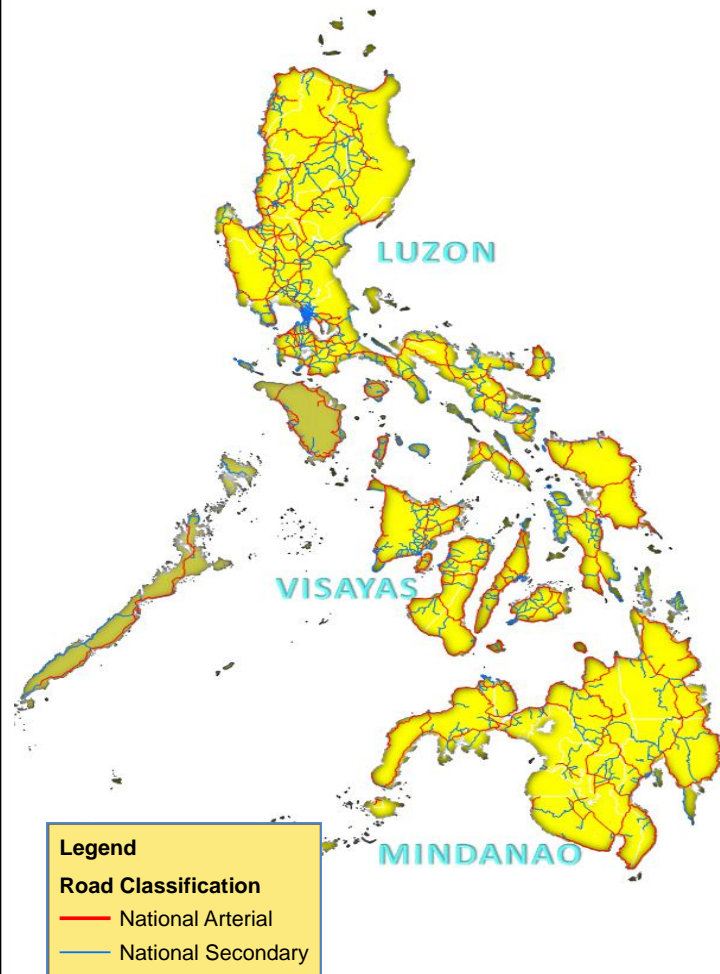
└─ Budget Annual Increase



Republic of the Philippines
Department of Budget and Management



Condition of Philippine Road Network:

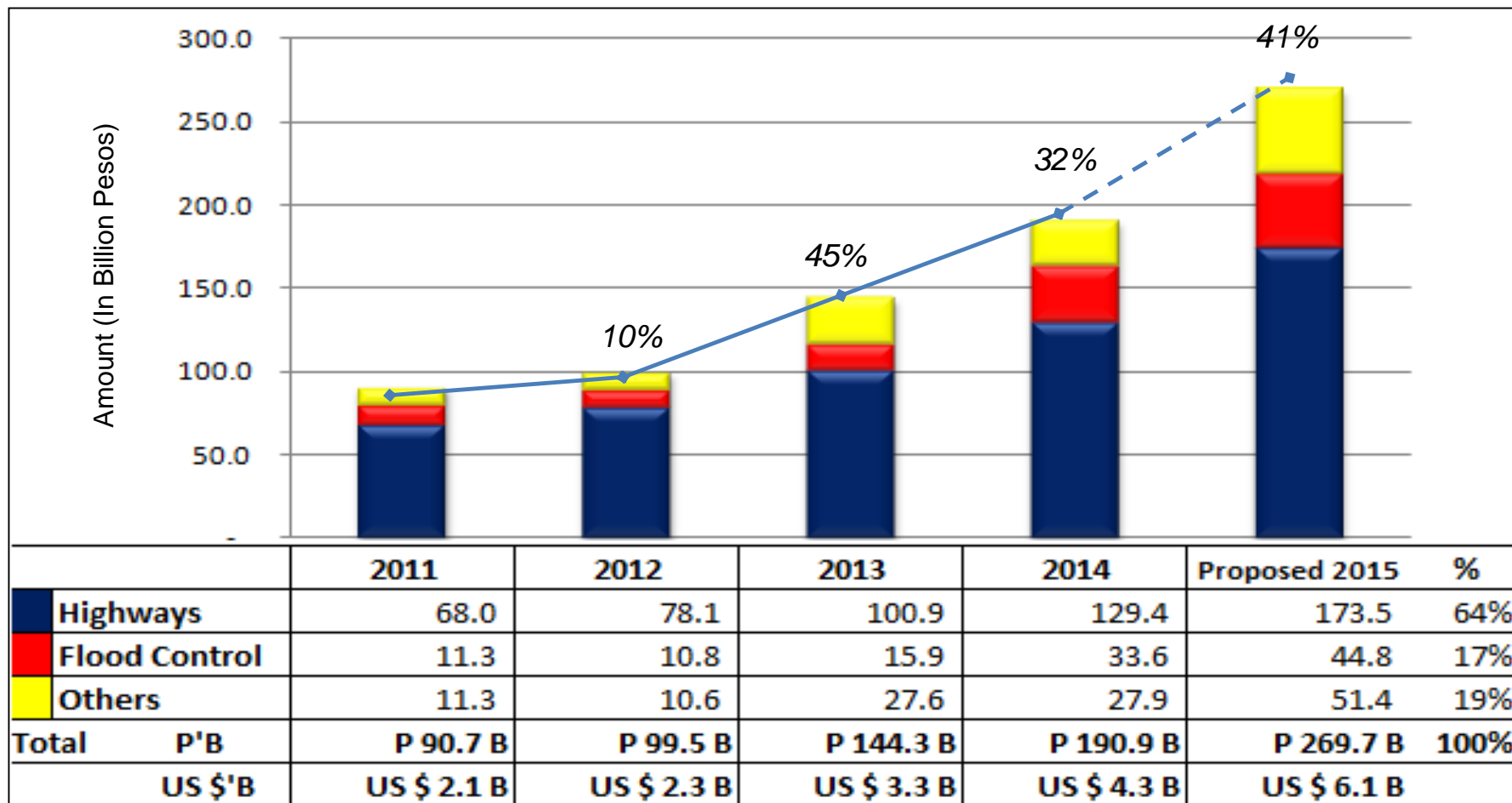


300,000 sq. km	Total Land Area
215,718 kms	Total Overall Road Network
32,227 kms	Total National Road Length (includes newly converted roads)
0.72 km/sq. km	Road Density
0.20 km/sq. km	Paved Road Density
0.27	Overall Paved Road Ratio
0.83	Paved Road Ratio for National Roads

	Total (Km)	% Paved
National Road <i>(Based on 2013 Road Condition Data)</i>	32,227	83%
Local Road	183,491	18%
Total:	215,718	27%

Note: Based on the 2010 Road Condition/baseline inventory of 31,242 km national road, 88% is already paved as of May 2014.

2011-2015 DPWH Infrastructure Program: Capital Outlays (By Category)





Distribution of Proposed FY 2015 Budget by Region: (Capital Outlays)

(\$ 0.4B)

NCR – P 19.29 B (9.0%)

(\$ 1.0B)

SOUTHERN LUZON-P43.84 B (20.5%)

Region IV-A – P 17.16 B

Region IV-B – P 12.48 B

Region V – P 14.20 B

(\$ 0.9B)

VISAYAS – P37.85 B (17.7%) **

Region VI – P 13.96 B

Region VII – P 13.04 B

Region VIII – P 10.85 B

(\$ 1.1B)

NORTHERN LUZON-P49.73 B (23.3%)

CAR – P 10.18 B

Region I – P 11.30 B

Region II – P 8.24 B

Region III – P 20.00 B

(\$ 1.4B)

MINDANAO – P63.12 B (29.5%)

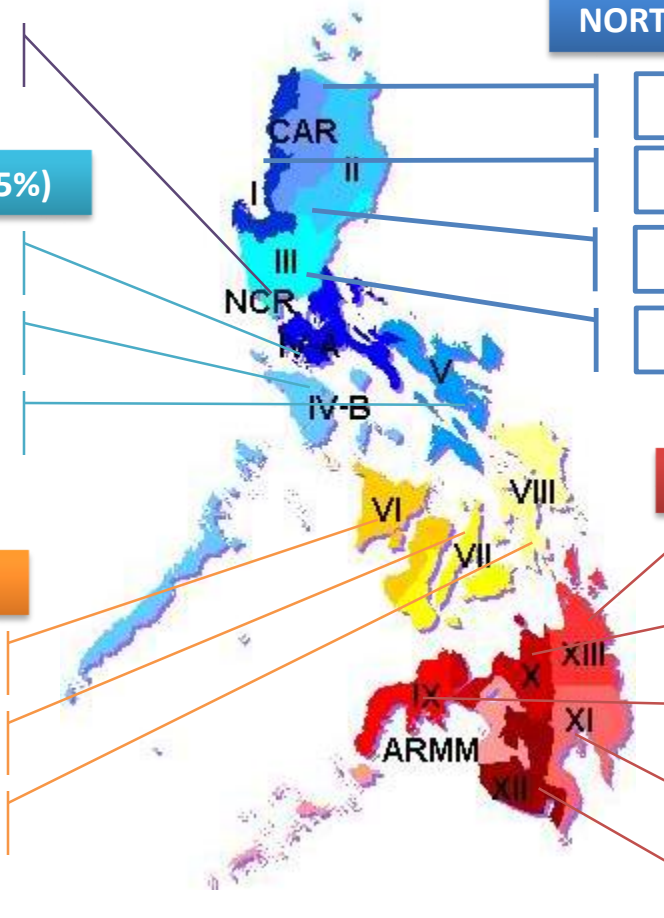
Region XIII – P 10.36 B

Region X – P 18.33 B

Region IX – P 11.81 B

Region XI – P 13.73 B

Region XII – P 8.89 B



TOTAL : P213.85 B (\$ 4.9 B)

* Excluding Inter-Regional/Nationwide-P55.87 B

** Does not include Yolanda Rehabilitation/Rec Infrastructure Cluster – P33.92B (\$ 0.8B)
Resettlement Cluster - P72.20 B (\$ 1.6B)

US \$ 1 - P 44

DPWH Convergence Programs:



TOURISM CONVERGENCE PROGRAM:

- P 54.1 Billion Infrastructure support to designated strategic Tourism Destinations.

CONVERGENCE FOR AGRI INFRASTRUCTURE:

- Undertake Farm to Market Road Network to access food production and processing sites;
- Water impounding projects to optimize water resources for irrigation and flood management;

FLOOD MANAGEMENT PROGRAM:

- Implement P28.7 Billion (FY 2011–FY 2014) flood mitigation /intervention projects consistent with the Flood Management Master Plan for Metro Manila and Surrounding areas;
- Integrated Water Resources Management with NIA/DA /DENR/LWUA;
- Clear waterways of Metro Manila and address drainage capacity constraints;
- A total of 3,309.98 km covering 363 rivers & 2,323 sections of drainage canals & waterways cleaned/cleared and desilted.

INTEGRATED TRANSPORT SYSTEM:

- Support for access to major airports, seaports and RORO ports;
- Mindanao Logistics Infrastructure Network Program – Implement an initial P16.2 Billion (FY 2011-FY 2014) for the 410 kms - 16 road network (Local and National Roads). P106 Billion is still needed for the 2,405 kms -24 priority road network;

Proposed High Standard Highway (HSH) Network in Metro Manila and its 200km Sphere:



ON-GOING : 170.79 km

Project Name	Length (km)	Php Bn	US\$ Mn	Completion
Tarlac-Pangasinan-La Union Expressway	88.85	18.13	412.05	2018
Daang Hari-SLEX Link	4.00	2.01	45.68	2014
STAR, Lipa – Batangas , Phase II	19.74	2.32	52.73	2015
NAIA Expressway	7.15	12.32	280.00	2015
Metro Manila Skyway Stage 3	14.82	26.66	605.91	2017
Manila North Expressway including NLEX-SLEX Connector Road	26.27	28.95	657.95	2017
Plaridel By-Pass Road, Phase II	9.96	3.43	77.95	2017

NEDA BOARD APPROVED: 121.60 km

Project Name	Length (km)	Php Bn	US\$ Mn	Completion
CALA Expressway	44.60	35.43	805.23	2019
CLLEX, Phase I (Tarlac-Cabanatuan, Nueva Ecija)	30.00	14.94	339.55	2018
Laguna Lakeshore Expressway Dike	47.00	122.81*	2,791.14	2021

PROPOSED (PRIORITY): 93.79 km

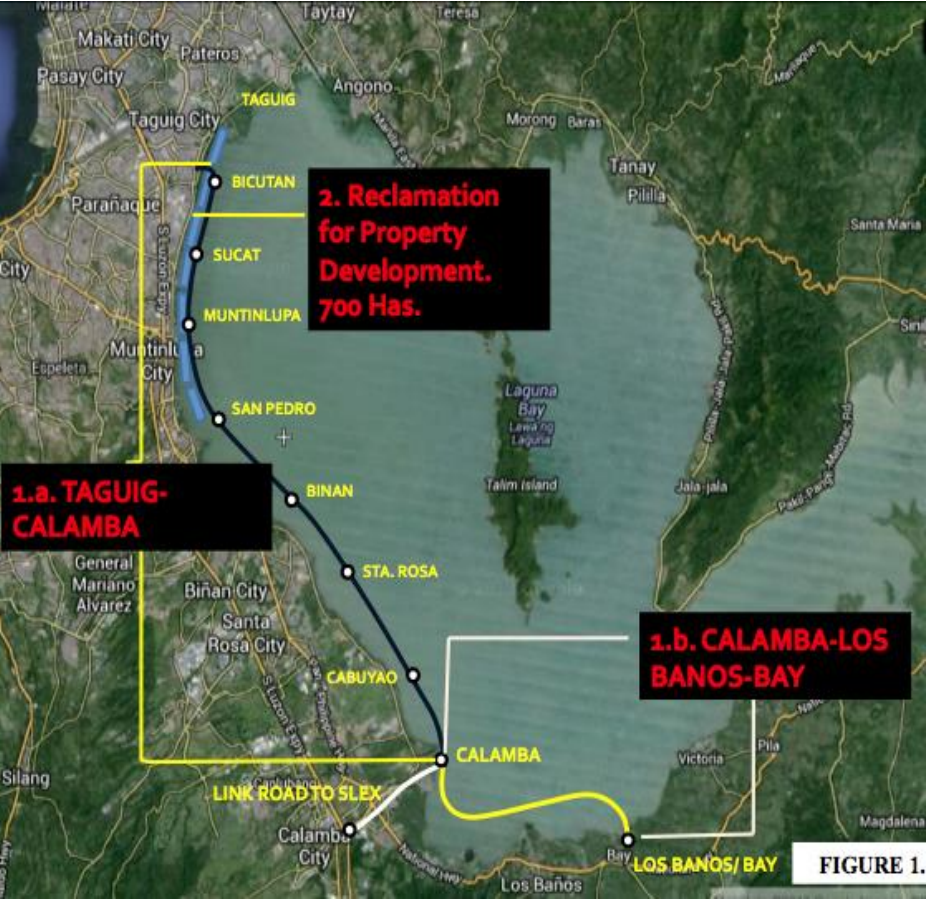
Project Name	Length (km)	Php Bn	US\$ Mn	Completion
Metro Manila Expressway, C-6	58.09	TBD	TBD	TBD
CLLEX, Phase II (Cabanatuan-San Jose)	35.70	14.20	322.73	TBD

* Includes P57.897B reclamation cost.



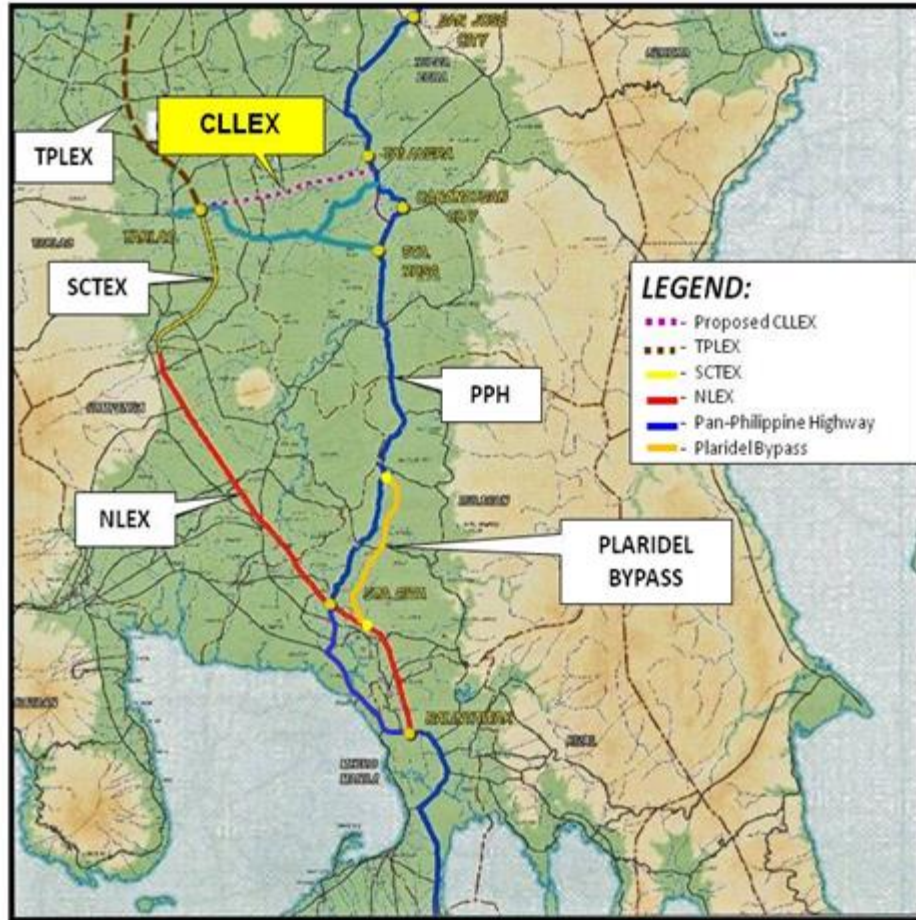
Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
LAGUNA LAKESHORE EXPRESSWAY DIKE (LLED)

PROJECT DESCRIPTION:
<ul style="list-style-type: none"> • 47 kilometers of 6-lane expressway dike with two (2) sections as follows: <ul style="list-style-type: none"> ➤ Bicutan-Calamba ➤ Calamba-Los Baños • 700 hectares Rawland Reclamation and Horizontal Development Component, intended for mixed land uses.
PROJECT OBJECTIVE:
<ul style="list-style-type: none"> • To provide a high standard highway cum dike that will facilitate traffic flow and mitigate flooding in the western coastal communities along Laguna Lake, from Bicutan/Taguig in Metro Manila through Calamba to Los Baños in Laguna.
ESTIMATED COST:
<ul style="list-style-type: none"> • Expressway Dike-P 64.9 Billion (\$1.5B) • Reclamation-P 57.9 Billion (\$1.3B) • Total-P122.8 Billion (\$ 2.8B)
TARGET TIMELINES:
<ul style="list-style-type: none"> • 4th Quarter 2015-Dec. 2021





CENTRAL LUZON LINK EXPRESSWAY (CLLEX)



PROJECT DESCRIPTION:

Phase I (Tarlac-Cabanatuan, Nueva Ecija)

- Construction of a 4-lane expressway with a total length of 30 kms.
- It diverges from SCTEx at 2.5 km north of Luisita Interchange and traverses flat plain of Central Luzon in the east-west direction, then ends in Cabanatuan City.
- The project will be financed through ODA while the Operation and Maintenance (O & M) will be under PPP.

Phase II (Cabanatuan-San Jose, Nueva Ecija)

- Construction of a 2-lane expressway with a total length of 35.70 kms.

ESTIMATED COST:

- Phase I: P 14.94 Billion (\$0.34B)
- Phase II: P 14.20 Billion (\$0.32B)

TARGET TIMELINES:

Phase I:

- Construction: March 2015-June 2018
- Detailed Design on-going.

Phase II:

- Finalization of Business Case Study.

**Long Term Road Maintenance Program**

Name of Project	Cost	Schedule	Status
<i>National Roads Improvement and Management Program, Phase II (World Bank -Assisted), 680.67 km</i>			
North Luzon (Manila North Road: Monumento - Agoo/ Aringay Boundary, La Union Section), 234.00 km	P 1.544 B (\$ 35 M)	Sep. 2013-Sep. 2018	On-going
South Luzon (Pagsanjan -Tayabas - Lucena and Tiaong-Lucena Diversion Road-Pagbilao-Sta. Elena, Camarines Norte Section), 207.26 km	P 1.656 B (\$ 38 M)	Sep. 2013-Sep. 2018	On-going
Mindoro East Coast (Calapan – Socorro-Bongabong- Dangay Port Section), 127.74 km.	P 0.902 B (\$ 21 M)	Sep. 2013-Sep. 2018	On-going
Panay Island (Caticlan - Kalibo-Aklan/Capiz Prov'l. Bdry. Road), 111.67 km.	P 1.118 B (\$ 25 M)	April 2013-April 2018	On-going



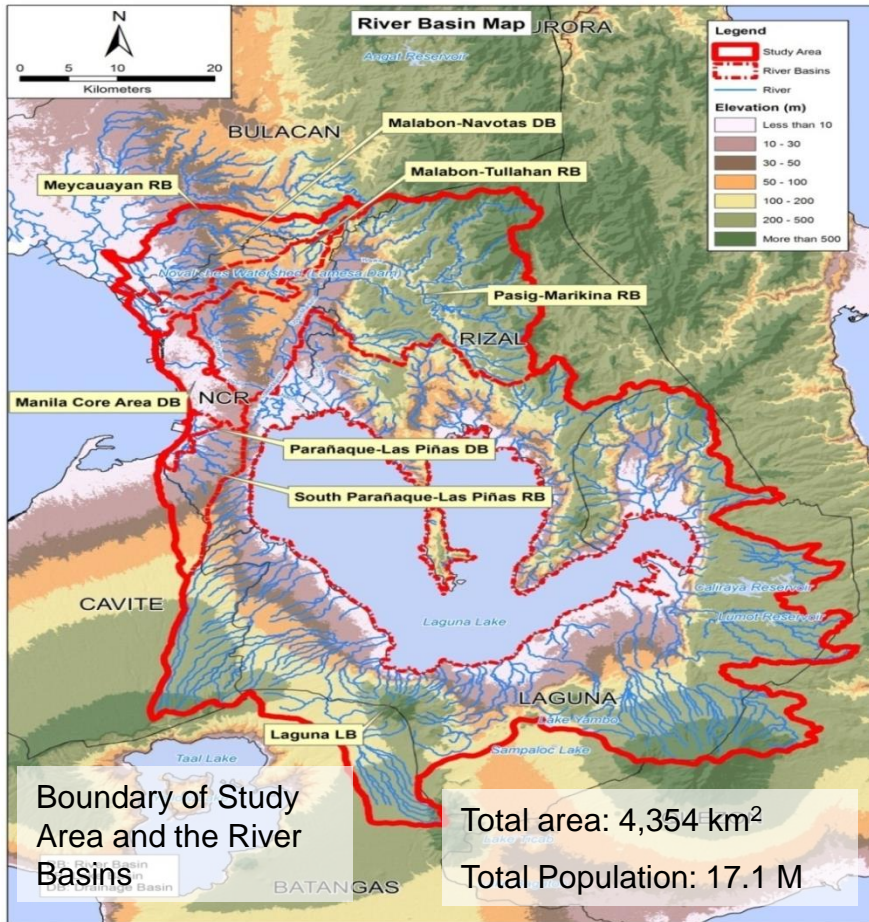
Long Term Road Maintenance Program

Name of Project	Cost	Schedule	Status
<i>Road Upgrading and Preservation Project, RUPP (JICA-Assisted), 644.37 km</i>			
Manila North Road, Aringay-Santa/Vigan City, K0243+000 to K0389+000, 146 km	P 2.942 B (\$ 67 M)	April 2015-April 2020	PQ and Bid documents for JICA concurrence
Manila North Road, Santa/Vigan City-Laoag City , K0 389+000 to K0-485+123, 96.123 km	P 1.874 B (\$ 43 M)	April 2015-April 2020	PQ and Bid documents for JICA concurrence
Maharlika Highway, Sta. Rita-Cabanatuan City, K0038+732 to K0112+500, 73.768 km	P 1.685 B (\$ 38 M)	May 2015-May 2020	PQ and Bid documents for JICA concurrence
Maharlika Highway, Cabanatuan City-Nueva Ecija/Nva. Viz. Brdy., K0112+500 to K0208+000, 95.5 km	P 2.303 B (\$ 52 M)	May 2015-May 2020	PQ and Bid documents for JICA concurrence
Maharlika Highway, Sipocot-Baao Road, Camarines Sur, K0370+700 - K0480+180, 109.48 km	P 1.314 B (\$ 30 M)	July 2015-July 2020	
Surigao-Davao Road, Surigao-Agusan Del Norte, K1113+500 - K1237+000, 123.5 km	P 2.446 B (\$ 56 M)	May 2015-May 2020	PQ and Bid documents for JICA concurrence

Master Plan for Flood Management in Metro Manila and Surrounding Areas:



Based on river basins:
Pasig-Marikina River Basin and Laguna Lake Basin.

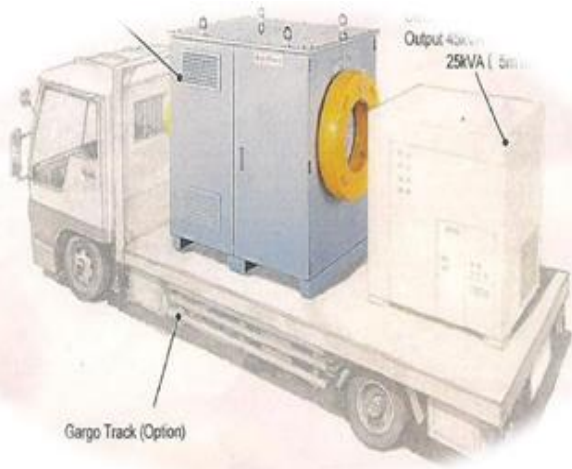


Name of Project	Est. Cost
Pasig-Marikina River Improvement and Dam Construction	198.435 B
Meycauayan River Improvement	14.040 B
Malabon-Tullahan River Improvement	21.635 B
South Parañaque-Las Piñas River Improvement	17.335 B
East Mangahan Floodway (Cainta & Taytay River Improvement)	25.901 B
West Laguna Lakeshore Land Raising	25.185 B
Land Raising for Small Cities around Laguna Lakeshore	7.158 B
Improvement of the Inflow Rivers to Laguna Lake	0.637 B
Manila Core Area Drainage Improvement	27.257 B
West Mangahan Area Drainage Improvement	5.522 B
Valenzuela-Obando-Meycauayan (VOM) Improvement	8.613 B
Total:	P 351.718 B (\$ 7.994 B)

Proposed Equipment for Flood Mitigation and Climate Change Adaptation:



To improve disaster mitigation works with enhanced capability in emergency response and infrastructure integrity assessment through equipment and technology.



Mobile Drainage Pump

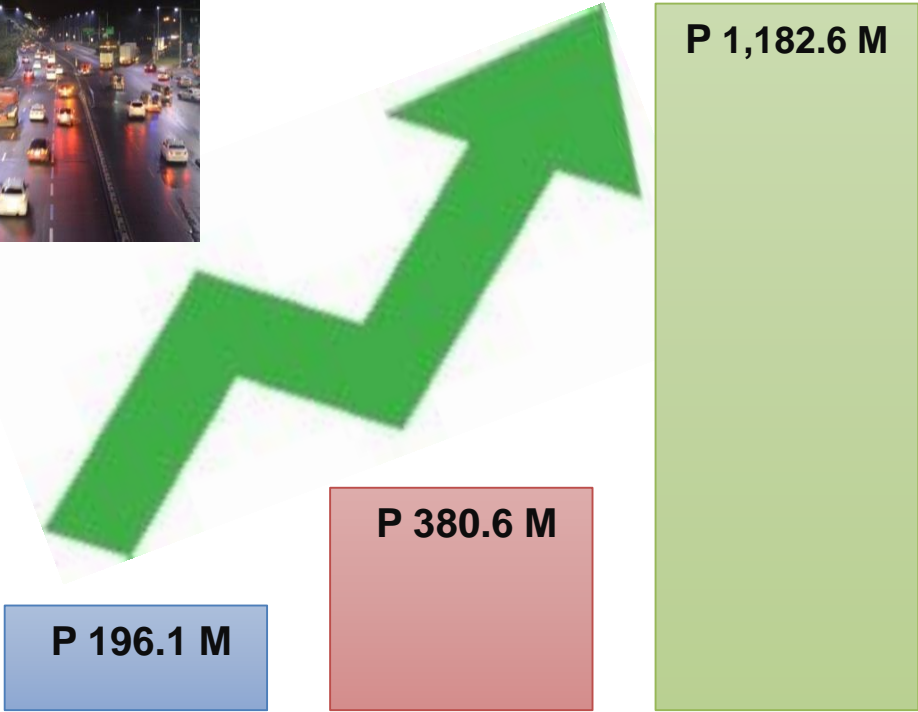


Small Self-Loading Multi-Purpose Dredgers



Cleaning Equipment for Sewers and Storm Drains

National Road Lighting Program (NRLP)



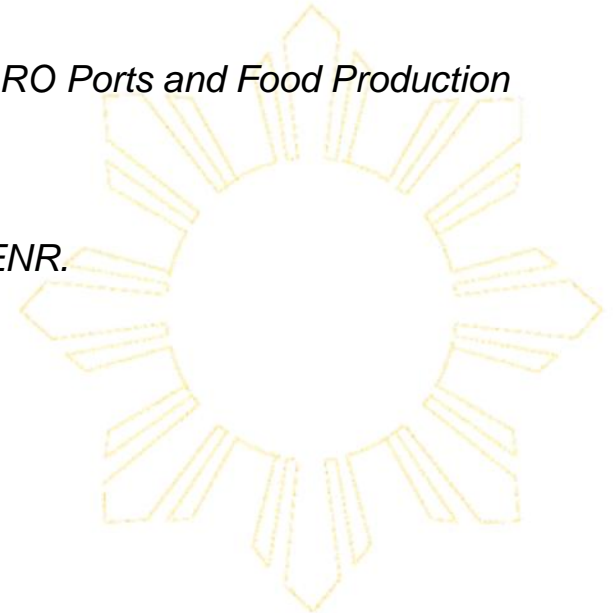
NRLP is part of the governments preparation for the forthcoming Asia – Pacific Economic (APEC) Meeting in 2015. Other prioritized roads include routes to seaport, airport , and tourism areas.

Moving Forward:

Continuing investments in infrastructure for more jobs and sustained growth.



- *Institutionalize Good Governance and Anti-Corruption Reforms*
- *Infrastructure Investment for GOP to grow from 2.5% of GDP in 2013 to 5.0% of GDP in 2016.*
- *DPWH will pursue investments in:*
 1. *Upgrading Quality and Safety of Roads and Bridges with stronger private sector participation*
 - *Long Term Road Maintenance Contracts*
 - *Design and Build Bridge Program*
 2. *Better access to Tourism Destinations, Airports, Seaports, RORO Ports and Food Production Areas*
 3. *Flood Risk Reduction Program and Structural Resilience*
 - *Flood management convergence program w NIA/DA/DENR.*
 4. *Mindanao Logistics Network Program*
 5. *ARMM Support Infrastructure Program*
 6. *Resiliency and Disaster Risk Management Projects*



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THANK YOU !!!

