



Republic of the Philippines

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



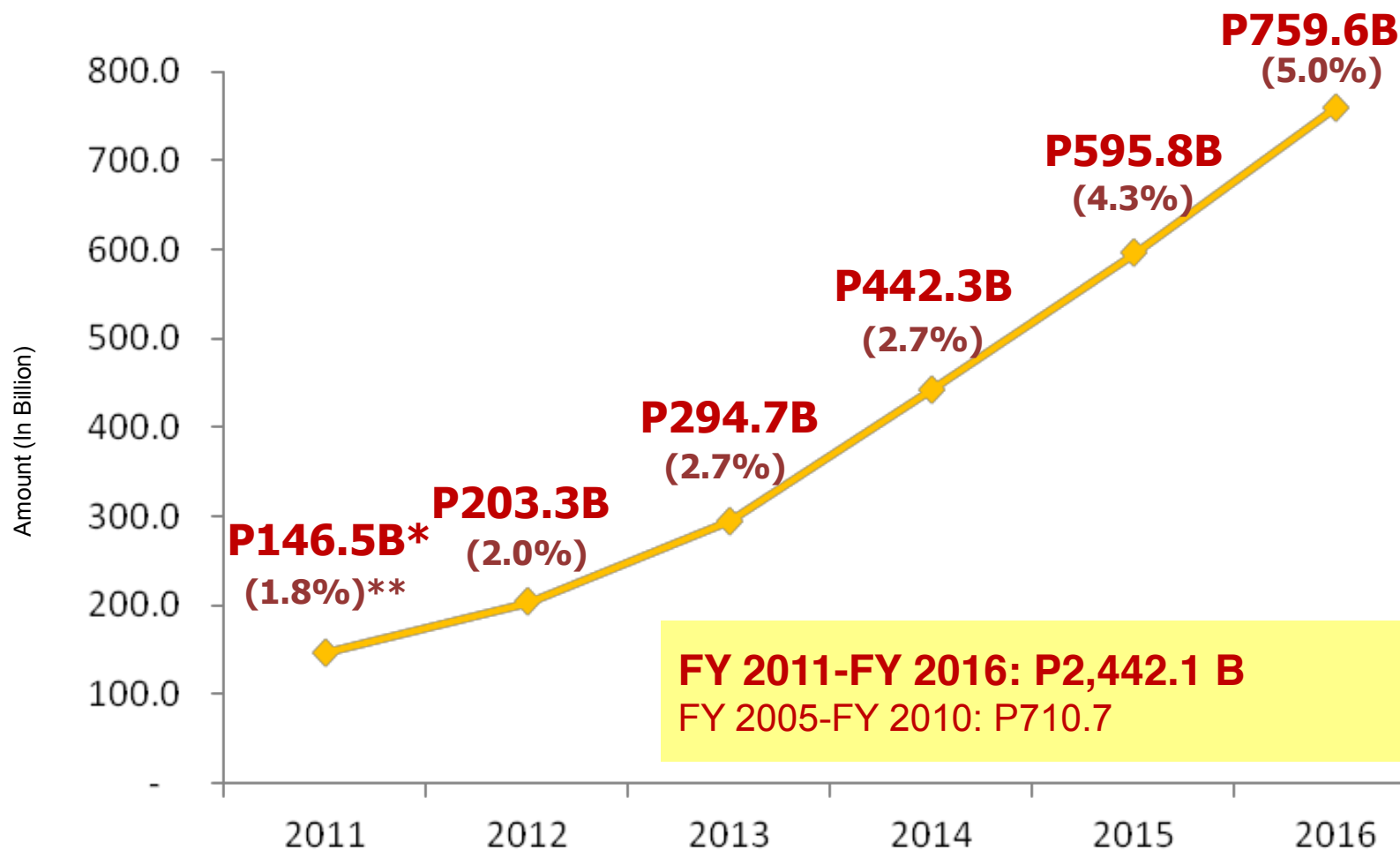
END TERM REPORT 2010-2016

Secretary ROGELIO L. SINGSON



AQUINO ADMINISTRATION INFRASTRUCTURE BUDGET

(Billions and % of GDP)



Note:

* Based on Actual

** Based on Target

Source: Department of Budget and Management (as of March 2016)



Condition of Philippine Road Network:

As of December 31, 2015

311,031	Total Land Area (sq. km)
210,229	Total Overall Road Network (km)
32,633	Total National Road Length (km)
0.68	Road Density (km/sq. km)
0.20	Paved Road Density (km/sq. km)
0.30	Overall Paved Road Ratio
0.89	Paved Road Ratio for National Roads

Road Network	Total (km)	Paved (km)	% of Paved
National *	32,633	28,919	88.6%
Primary	7,067	7,059	99.9%
Secondary	14,118	12,653	89.6%
Tertiary	11,448	9,207	80.4%
Local Road	177,595	33,479	18.9%
<i>Provincial</i>	<i>30,151</i>	<i>10,703</i>	<i>35.5%</i>
<i>Municipal</i>	<i>15,349</i>	<i>5,375</i>	<i>35.0%</i>
<i>City</i>	<i>15,331</i>	<i>9,458</i>	<i>61.7%</i>
<i>Barangay</i>	<i>116,765</i>	<i>7,943</i>	<i>6.8%</i>
Total	210,229	62,398	29.7%

	Total		Permanent		% Permanent	
	No.	Lm.	No.	Lm.	No.	Lm.
National Bridges **	8,166	364,723	8,061	361,380	98.7%	99.1%

* In 2010, out of the 31,242 km, DPWH targeted to be pave the remaining 7,256 kms unpaved sections of the national road network by 2016.

** A total of 13,839 lm of temporary bridges is the targeted length of temporary bridges to made permanent from 2010 to 2016.



National Primary – Directly connects major cities (at least around 100,000 people); Cities within Metropolitan Areas are not covered by the criteria.

National Secondary – Directly connects cities to National Primary Roads, except in Metropolitan Areas; Directly connects major ports and ferry terminals to National Primary Roads; Directly connects major airports to national primary roads; Directly connects tourist service centers to National Primary Roads or other National Secondary Roads; Directly connects cities (not included in the Category of Major Cities); Directly connects provincial within the same region; and directly connects major national government infrastructure to national primary roads or other national secondary roads.

National Tertiary – Other existing roads under DPWH which perform local function.



DPWH Strategic Policies and Programs:

Good Governance Reform and Anti-Corruption Program

Better Quality and Safer National Roads and Bridges Program

Effective Flood Control Program

Strategic Convergence Program

Public Private Partnership Program

Resiliency Program



DPWH Strategic Policies and Programs:

Strategic Convergence Program

- Upgrade 2,500 km access roads to designated Tourism Destinations based on the DOT Tourism Master Plan;
- Upgrade access to major airports, seaports and RORO ports;
- Implement Mindanao Logistics Network Plan;
- Provide farm to market roads to agrarian reform community, food production areas & industrial zones;
- School Building Program for DepED and PAGCOR

Public Private Partnership Program

- Implement the High Standard Highway Master Plan for Metro Manila and 200km radius which identified priority expressways and high standard highways;
- Implement long term road maintenance program for national roads and bridges;
- Implement PPP Bridge Program;

Resiliency Program

- Implement Structural Resiliency Program in new construction of public structures and in the reconstruction of calamity damaged public infrastructure facilities;
- Use geo-hazard maps and NOAH data for planning and disaster risk reduction measures;
- Strict enforcement of water easement laws and removal of informal settlers and structures on waterways and unsafe zones;

Better Quality and Safer Roads:

Roads Accomplishment (In Kilometers) – July 2010-December 2015



18,547 kms

National Roads

8,391 kms

Local Roads



Baybay City Diversion Road



Candelaria By-pass Road, Quezon



Laoag City By-Pass Road

Better Quality and Safer Roads:

Roads Accomplishment (In Kilometers) – July 2010-December 2015



Butuan-Cagayan de Oro-Iligan Road



Abbut-Conner-Kabugao-Solsona Road, Apayao



Jct. National Road Mianay-Duyoc-Calaan—Panitan Road, Capiz



Plaridel By-pass Road, Bulacan

Better Quality and Safer Bridges:

Bridge Accomplishment (In Lineal Meters) – July 2010-December 2015



107,579 Im

National Bridges

16,550 Im

Local Bridges



Aluling Bridge



Tawi-Tawi Bridge (Lapid-Lapid Sect.)



Ninoy Aquino (Maguiling) Bridge, Cagayan

Better Quality and Safer Bridges:

Bridge Accomplishment (In Lineal Meters) – July 2010-December 2015



Lullutan Bridge, Isabela



Esperanza Bridge, Agusan del Sur



Tagumbao Bridge, Tarlac



Ayala Bridge, Manila

Flood Control and Drainage Projects based on River Basin Approach and Integrated Water Resource Management principles

July 2010-December 2015 Accomplishment



12,072 *Flood Control Projects*

Dikes, Revetments/Riverwalls, Waterways,
Drainage Mains, Mini Dams



Tibu River Channel Improvement, Legazpi City



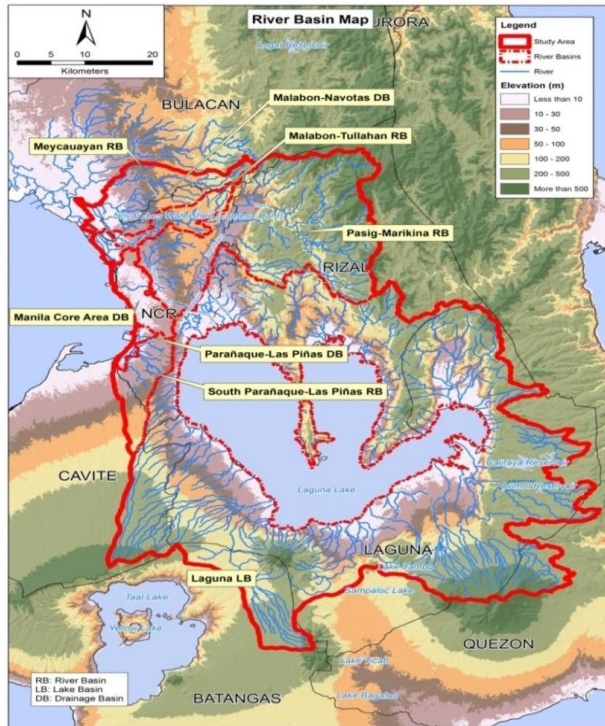
Obando Flood Control Project, Bulacan



Poblacion, Kabayan Small Water Impounding Project



Master Plan for Flood Management in Metro Manila and Surrounding Areas



Total area: **4,354 sq.km**

Total Population: **17.1 Million**

Total Estimated Cost: **P 351.7 Billion**

Implementation Period: **23 years**

Completed Projects:

Pasig-Marikina River Channel Improvement Project, Phase II (P5.54 Billion)



On-going Projects:

Valenzuela-Obando-Meycauayan (VOM) Project (P 5.10 Billion)



Mandaluyong Main Drainage Project, MMDP (P 609.12 Million)



Blumentritt Interceptor (P 600.00 Million)



Under Procurement Stage:

Laguna Lakeshore Expressway Dike (P 122.8 Billion) - PPP



Tourism Convergence Program:



1,550 Kms

Completed Tourism Roads

FY 2006-FY 2010: P13.8 B

FY 2011-FY 2016: P84.5 B



Taytay-El Nido Road



Ternate-Nasugbu Road



Access to Puerto Princesa City Underground River

Tourism Convergence Program:



Ambangeg Junction National Road to Mount Pulag



Panglao Island Circumferential Road, Bohol



Island Garden City of Samal (IGaCoS) Circumferential Road, Davao del Norte



Dalican-Batad Road Leading to Batad and Banaue Rice Terraces

School Building Program:



34,346 Classrooms

DepED Basic Educational Facilities

1,138 Classrooms

PAGCOR's Silid Aralan Projects



Pavia National High School, Iloilo



Piedad Central Elementary School, Toril, Davao City



Urdaneta 1 Central School, Pangasinan

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



COMPLETED : 43.21 km, P9.20B (US \$ 209.09 M)

Name of Project	Km	P'B	\$'M	Start	Completion
Muntinlupa-Cavite Expressway (Daang Hari-SLEX Link)	4.00	2.01	45.7	2012	2015
STAR, Lipa – Batangas , Phase II	19.74	2.32	52.7	2013	2015
NLEX Harbor Link, Segment 9*	2.42	1.15	26.1	2013	2015
Plaridel By-Pass Road, Phase I	17.05	3.72	84.5	2009	2012

ON-GOING : 200.79 km, P137.38B (US \$ 3,122.27 M)

Name of Project	Km	P'B	\$'M	Start	Completion
NAIA Expressway	6.90	15.86	360.5	2014	2016
Tarlac-Pangasinan-La Union Exp.	88.85	21.38	485.9	2010	2016
NLEX Harbor Link, Segment 10*	5.65	9.00	204.5	2014	2017
Metro Manila Skyway Stage 3*	14.80	37.43	850.7	2015	2018
Plaridel By-Pass Road, Phase II	9.96	3.34	75.9	2014	2018
CLLEX – P I (Tarlac-Cabanatuan)	30.00	14.94	339.5	2016	2019
CALA Expressway	44.63	35.43	805.2	2016	2020

APPROVED FOR IMPLEMENTATION: 113.00 km, P159.1B (US \$ 3,616.1 M)

Name of Project	Km	P'B	\$'M	Start	Completion
NLEX-SLEX Connector Road	8.00	23.20	527.3	2020	2022
SLEX TR4, Sto. Tomas-Lucena*	58.00	13.1	297.7	2016	2020
Laguna Lakeshore Expressway Dike	47.00	122.81	2,791.1	2017	2024

ADDITIONAL PROPOSED: 77.20 km, P52.02B (US \$1,182.3 M)

Name of Project	Km	P'B	\$'M
NLEX Harbor Link, Segment 8.2*	7.50	6.50	147.7
C6-P I, Southeast Metro Manila Exp.*	34.00	31.32	711.8
CLLEX - P II (Cabanatuan-San Jose)	35.70	14.20	322.7

PIPELINE: 200.5 km, P404.92B (US \$9,202.7 M)

Name of Project	Km	P'B	\$'M
Manila Bay Integrated Flood Control, Coastal Defense and Expressway Project	50.00	338.8	7,700.0
R7 Expressway	16.10	7.77	176.6
North Luzon Expressway East (NLEE) Phase I and II	92.10	15.77	358.4
Pasig Marikina Expressway	15.70	34.65	787.5
East-West Connection Expressway	26.60	7.93	180.2

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



Tarlac Pangasinan La Union Expressway



Muntinlupa-Cavite Expressway

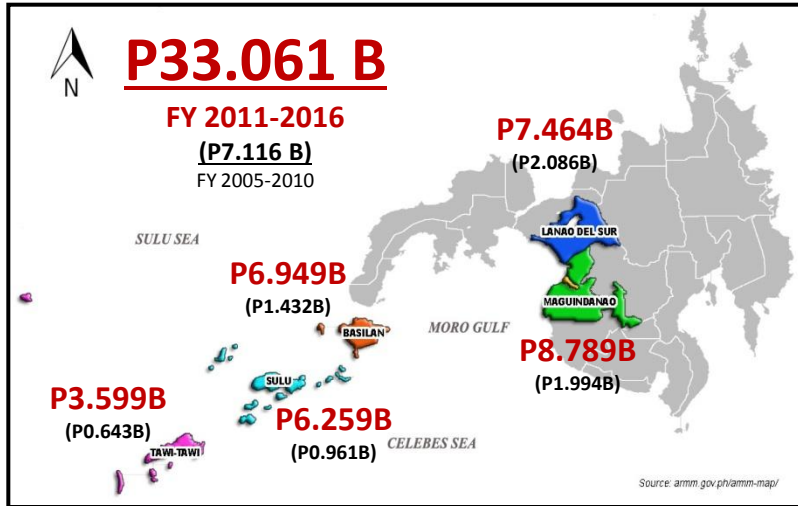


Plaridel By-Pass Road



NAIA Expressway

Autonomous Region in Muslim Mindanao (ARMM):



Ganassi-Tubod Road, Lanao Del Sur



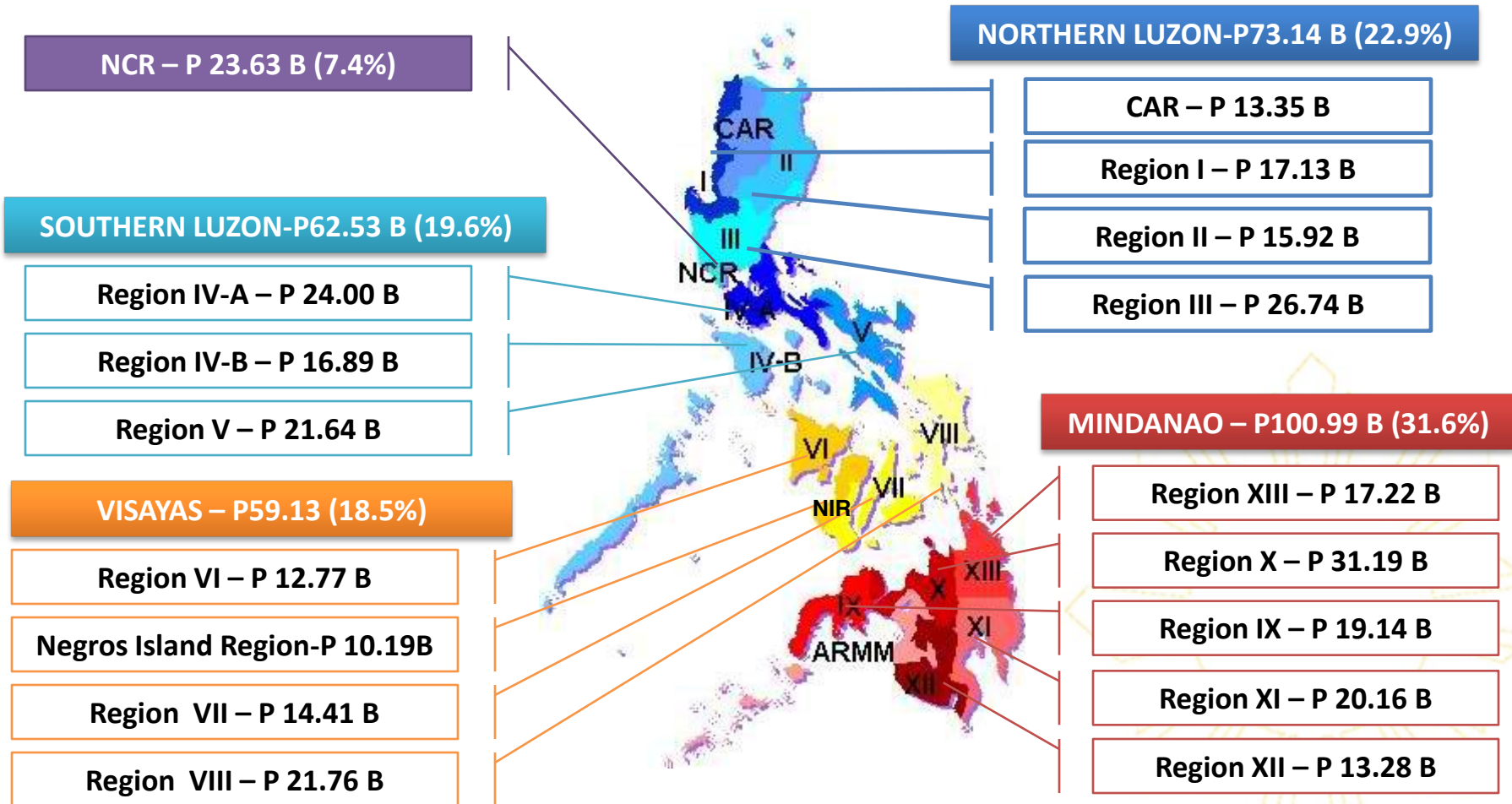
Basilan Circumferential Road



Simuay-Landasan-Parang Road, Maguindanao



Distribution of FY 2016 Budget by Region: (Capital Outlays)



Mindanao Logistics Infrastructure Network

P80.4 Billion
2,206 km

Rd06-Construction of Impasugong to Las Nieves & Improvement of National Road to Buenavista

Rd23-CDO-Butuan Road Widening Project

Rd01-Construction/Completion of Alae by-pass Road

Rd17-Rehabilitation/Construction of Cagayan de Oro City Roads

Rd03-Climbing Lanes at the Carmen Section of the Sayre Highway, BuDa Road and Maharlika Road in Agusan del Norte

Rd22-CDO-Davao Road Widening Project

Rd05-Improvement of CDO-Talakag-Cmp Kibartan Road

Rd11-Rehabilitation of mountainous section of the Bukidnon-Davao Road

Rd14-Upgrade of Columbio-Koronadal Road to all-weather standards

Rd21-Rehabilitation of Isulan-Bagumbayan-Sen Ninoy Aquino-Kalamansig Road

Rd20-Reconstruction of Lake Sebu-Maitum Road to all-weather standards

Rd16-Upgrade of Kalamasig-Maasim Road

Rd15-Upgrade the Glan-Malita Road to all-weather standards

Rd18-Surigao City Road Projects

Rd08-Upgrading of National Road within Agusan Marsh Area

Rd04- Completion/Construction of East-West Lateral Road connecting Agusan del Sur to Bukidnon

Rd09- Construction of more roads within the Agusan Marsh Area (Brgy. Sn Marcos-Bunawan Pob Road)

Rd07-Improvement of Trento to Bislig Road to all-weather standards

Rd24-Butuan-Davao Road Widening Project

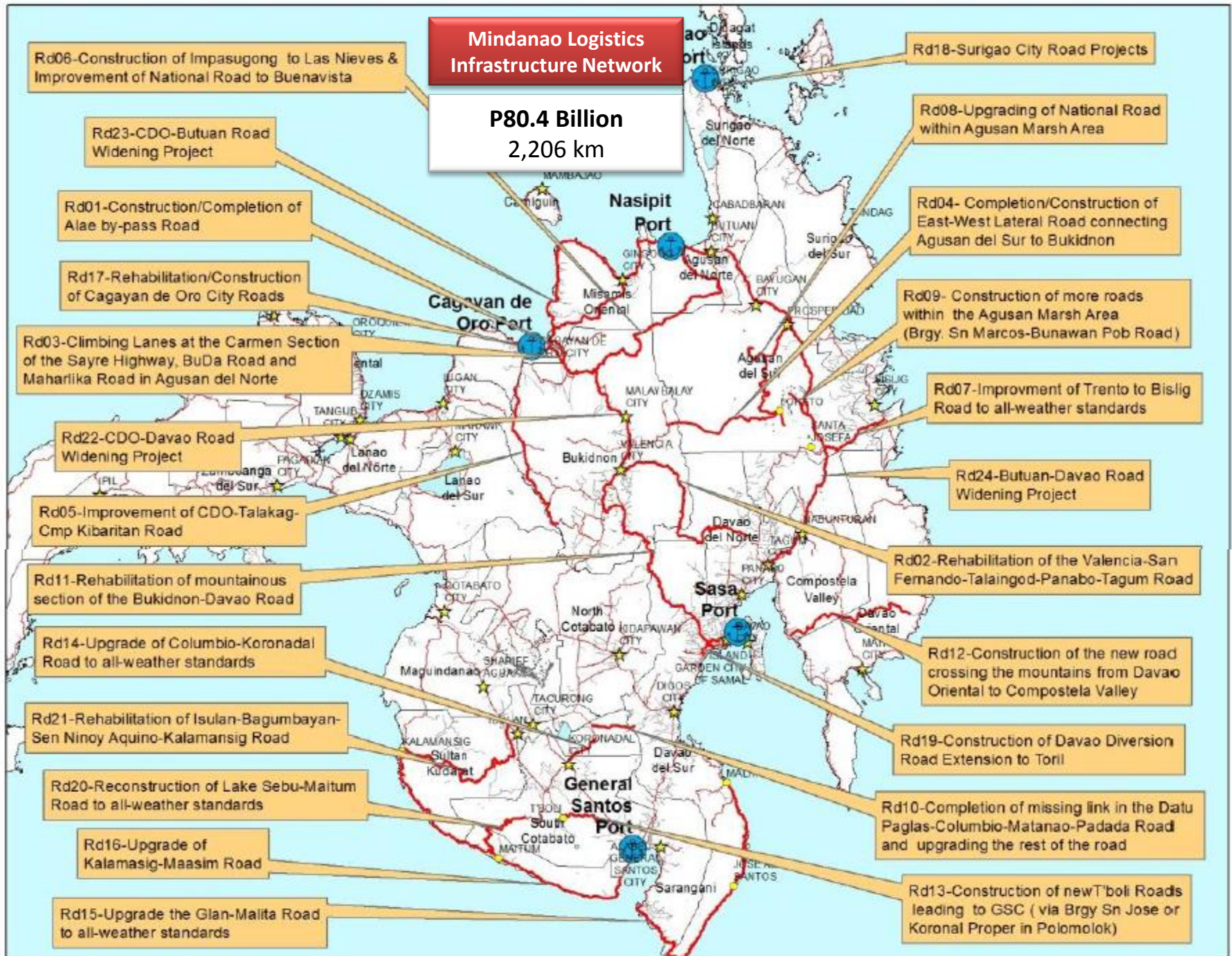
Rd02-Rehabilitation of the Valencia-San Fernando-Talaingod-Panabo-Tagum Road

Rd12-Construction of the new road crossing the mountains from Davao Oriental to Compostela Valley

Rd19-Construction of Davao Diversion Road Extension to Toril

Rd10-Completion of missing link in the Datu Paglas-Columbio-Matanao-Padada Road and upgrading the rest of the road

Rd13-Construction of new T'boli Roads leading to GSC (via Brgy Sn Jose or Koronal Proper in Polomolok)





Republic of the Philippines

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



THANK YOU !

