

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



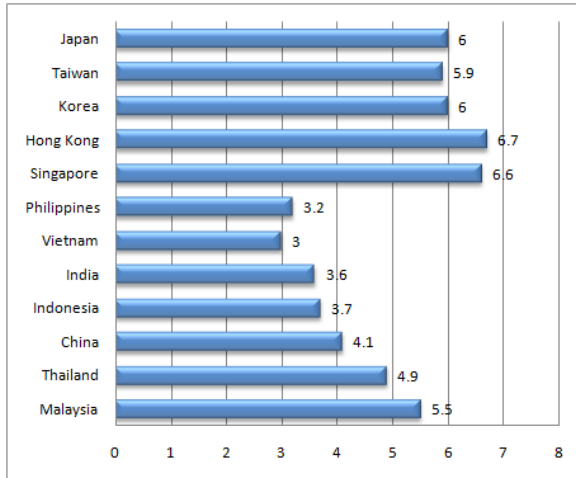
2011 YEAR-END REPORT



STATE OF INFRASTRUCTURE IN THE PHILIPPINES:

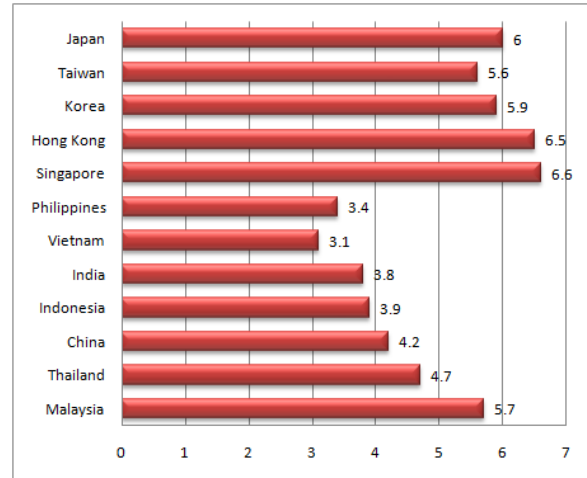
“QUALITY OF OVERALL INFRASTRUCTURE”

“2010-2011”



Based on 139 Countries

“2011-2012”

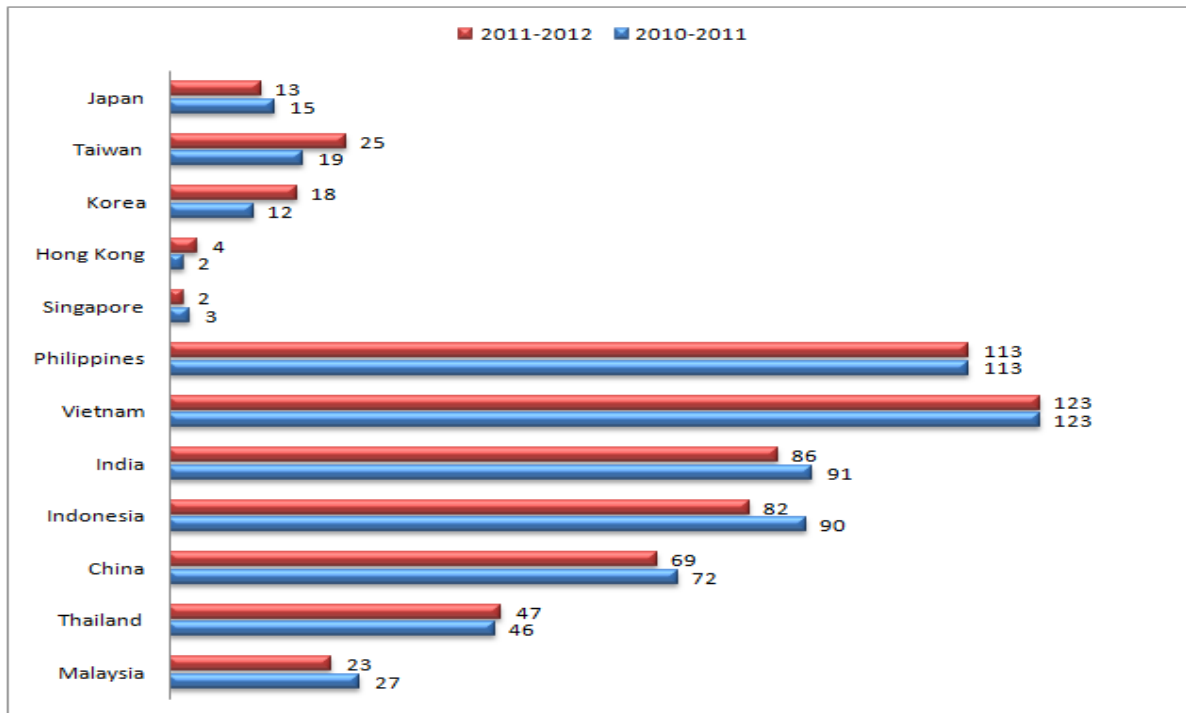


Based on 142 Countries



Legend: 1 = extremely underdeveloped; 7 = extensive and efficient by international standards
Source: World Economic Forum, “The Global Competitiveness Report”

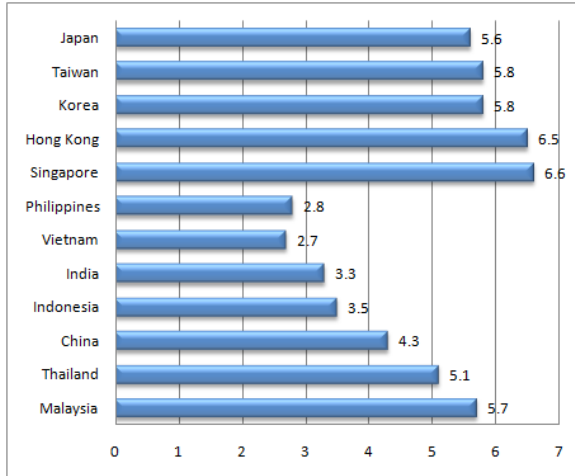
“QUALITY OF OVERALL INFRASTRUCTURE RANKING”





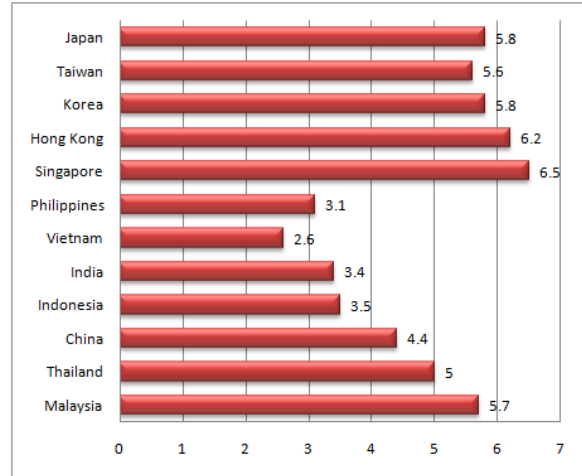
“QUALITY OF ROADS”

“2010-2011”



Based on 139 Countries

“2011-2012”

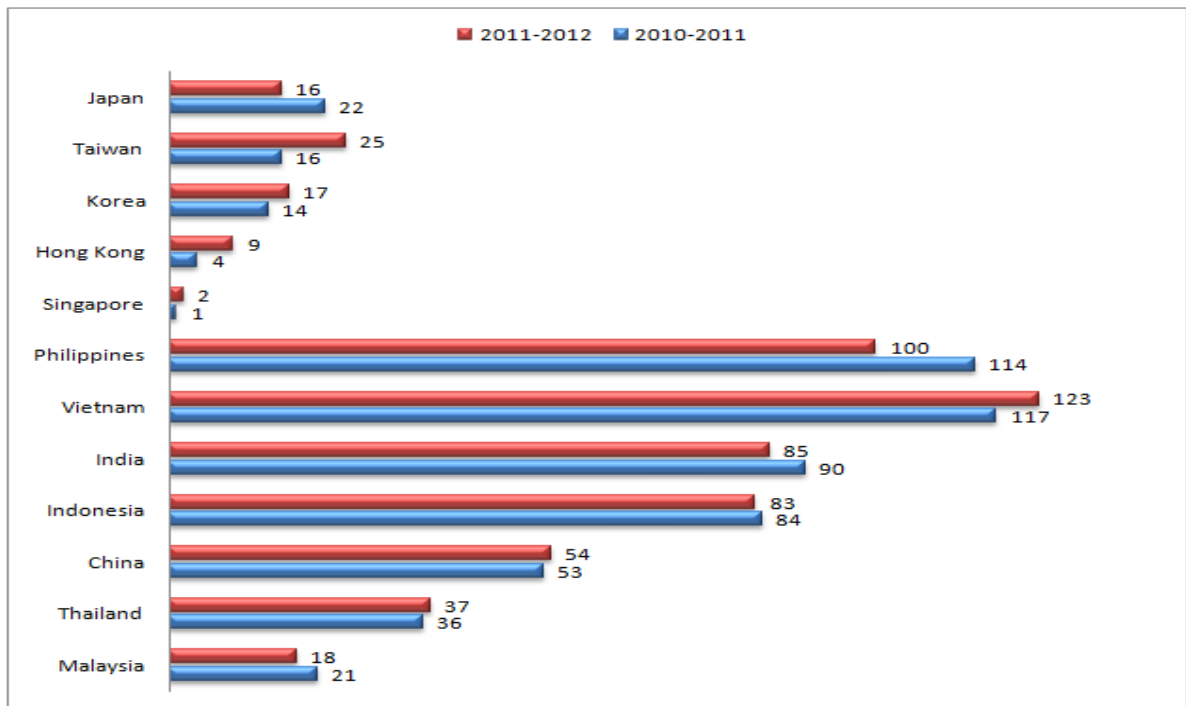


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“QUALITY OF ROADS RANKING”





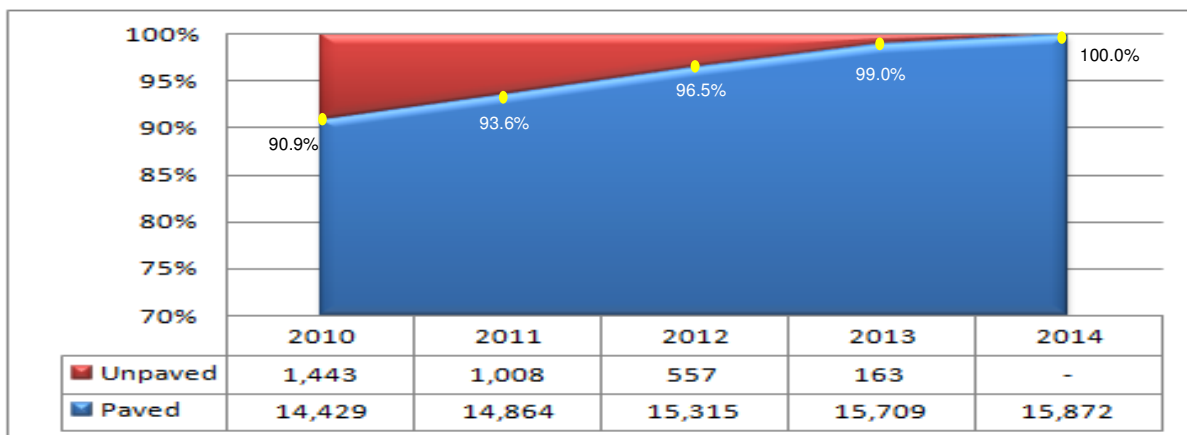
DPWH STRATEGIC POLICIES AND PROGRAMS:

1. Good Governance Reform and Anti-Corruption Program
2. Upgrade Quality and Safety of National Roads Program
3. Strategic Convergence Program
4. Public Private Partnership Program

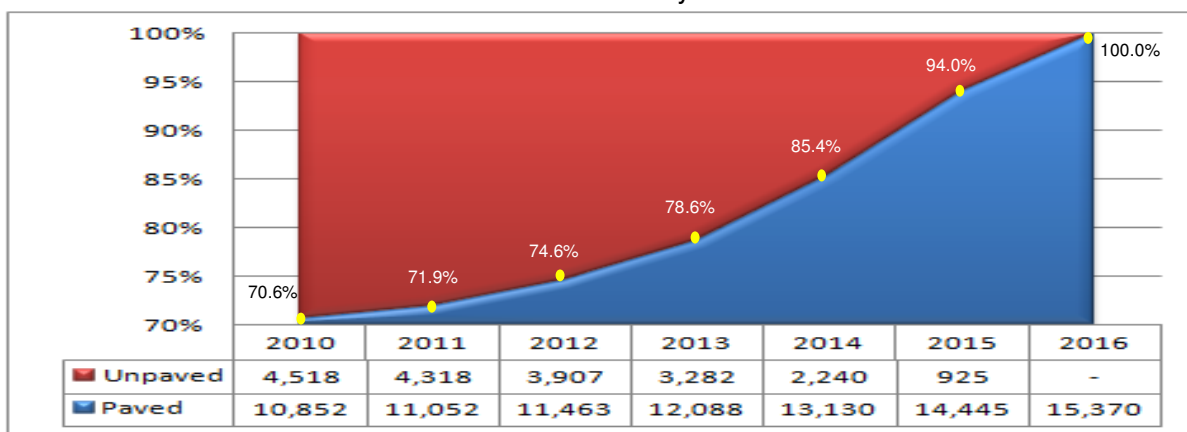
DPWH TARGET OUTCOMES (2010-2016):

The 31,242 kms (15,872 kms-National Arterial Road, 15,370 kms-National Secondary Road) total length of national road network based on 2010 Road Condition Data is targeted to be 100% paved by 2016, however these excludes newly converted national roads and constructed gap sections along predetermined road alignment in 2011 and succeeding years. Moreover, the desired outcomes can be attained if the needed funding support will be provided.

National Arterial Road



National Secondary Road

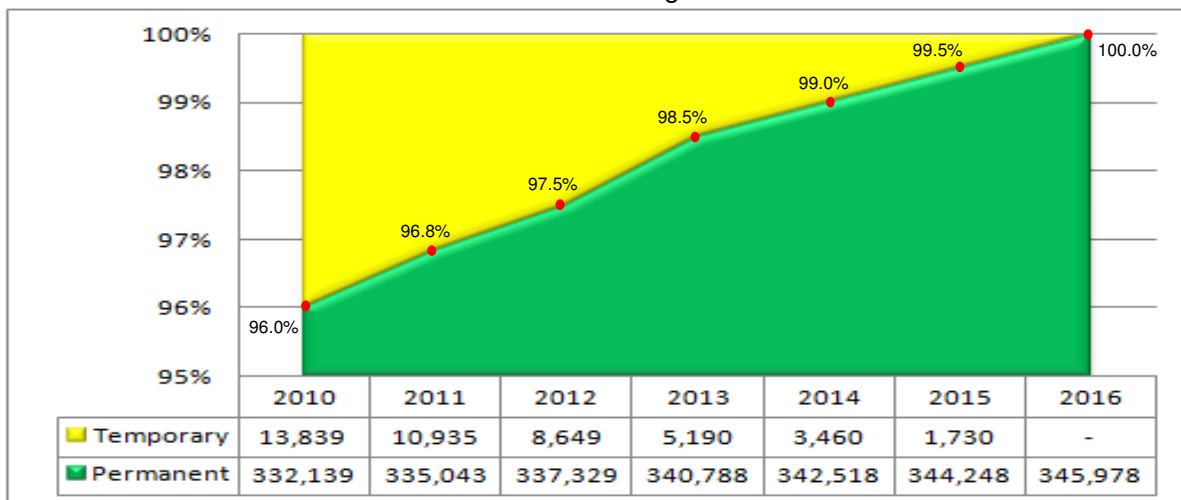


Note: Benchmark is based on the 2010 Road Condition Data.

The 15,872 kms national arterial road is targeted to be 100% paved by 2014 while, the 15,370 kms national secondary road is targeted to be 100% paved by 2016. Also, DPWH is targeting to make permanent all temporary bridges along national roads by 2016.

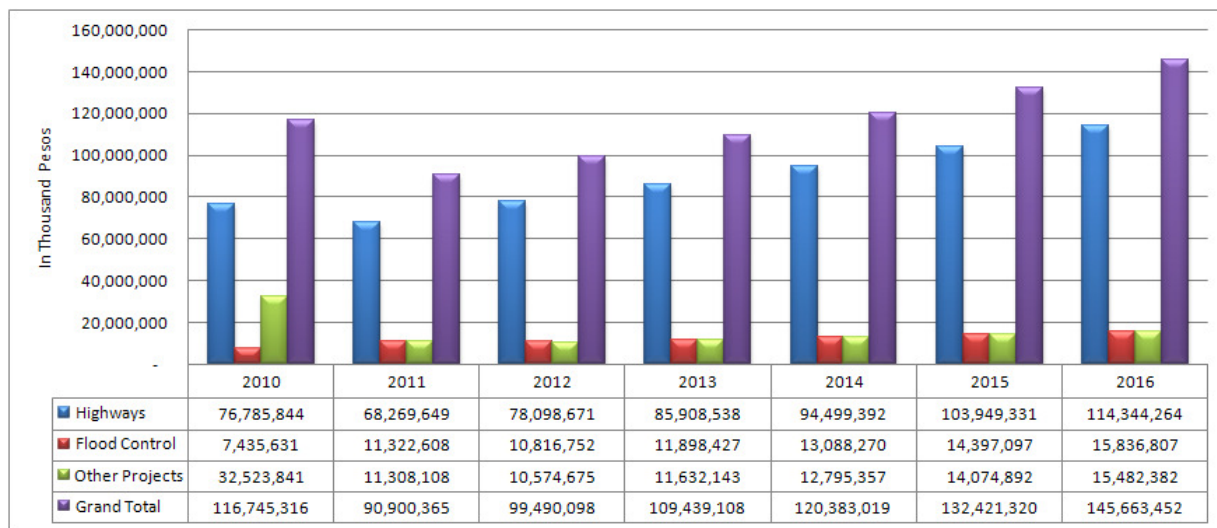


National Bridges



PUBLIC INVESTMENT PROGRAM (2010-2016):

Under the DPWH Public Investment Program for 2011 to 2016, DPWH is envisaging a total investment of P698 Billion. Of the P698 Billion total investment requirement, P545 Billion (78%) is earmarked for the highways sector, P77 Billion (11%) for flood control works and P76 Billion (11%) for other projects, as shown below:



Note: The amount reflected under the FY 2010, FY 2011 and FY 2012 are Capital Outlays (Projects) based on GAA, while for the FY 2013 and succeeding years DPWH is envisaging a 10% increase in Budget annually. The FY 2010 Budget includes P25.971 Billion for VIILP/PDAF.

For the period 2011 to 2016, DPWH is envisaging a total budget of P698 Billion compared to P457 Billion total budget in the last 6 years (2005-2010).



GOOD GOVERNANCE REFORM AND ANTI-CORRUPTION PROGRAM:

- Objective selection of road projects using the Highway Development Management Program (HDM4) not on political interventions;
- Updated projects status are available on the DPWH Website;
- Simplified bidding process – from 20 to 5 documents;
- Adopted a reduced cost structure in project budgets – reduced by as much as 8% Indirect Cost of projects;

Revised Cost Structure:

Indirect Cost of projects has been slashed by as much as 8% of project cost estimates used in the past, as shown below:

	Department Order No. 57 February 2002 (% Direct Cost)	Department Order No. 29 May 2011 (% Direct Cost)
Up to P5 Million	26%-28%	24%
P5 Million to P50 Million	22%-25%	17%
P50 Million to P150 Million	20%	15%
Above P150 Million	20%	14%

By adopting the new cost structure, we will optimize use of government resources. This will also speed up in the future preparation of POWs and ABCs as the benchmarks are already standardized. The new cost structure will also be adapted to MVUC projects.

- 24/7 DPWH Call Center (165-02) to address queries and complaints;
- Enhance Information Technology (IT) in public disclosure and project implementation (Electronic New Government Accounting System, eNGAS)
- Revised Level of Authority:

As for the bidding and implementation of projects costing P50 Million and below, these will be implemented by the District Engineering Offices. Projects costing above P50 Million up to P150 Million will be implemented by the Regional Office but the engineering designs, programs of works and detailed cost estimates are reviewed and approved in the Central Office to ensure quality and strict conformance to the design standards and the new cost structure.

Hereunder is the responsibilities and level of authorities relative to the conduct of procurement and implementation of locally-funded civil works projects per Department Order No. 54, dated 20 October 2011.

	District Office	Regional Office	Central Office
Plans, POW and ABC	Preparation up to P50 Million	Preparation above P50 Million	
	Approval up to P20 Million	Approval above P20 M up to P50 Million	Approval above P50 Million
Procurement	Conduct of Bidding up to P50 Million	Conduct of Bidding above P50 Million up to P150 Million	Above P150 Million
Implementation	Implementation of projects up to P50 Million	Implementation of projects above P50 Million	



- Proper utilization and objective selection/prioritization of Motor Vehicle Users Charge (MVUC) Funds;
- Accreditation of 47 Civil Society Organizations (CSOs) partners in all aspects of project development cycle;
- Professionalize the Organization through open selection and promotion policies;
- Collusion in the bidding of public works projects is being addressed through transparency reforms and strict adherence to public bidding rules. As the result of these reforms, the DPWH **generated savings of P5.533 billion** in taxpayers' money from the 5,197 projects (civil works, goods, consultancy services) procured through open, competitive, and transparent bidding nationwide July 2010 to November 2011. The DPWH expects total savings of roughly P6 to P7 billion by the end of this year due to more transparent and competitive bidding. This savings can then be utilized for other priority development projects.

Implementing Office	No. of Projs.	Allocation (P'000)	ABC (P'000)	Awarded Amt. (P'000)	Savings	
					Amount	%
A. Region and District	5,091	52,540,161.08	46,122,404.21	41,545,607.78	4,576,796.42	10%
1. FY 2011 Budget (Jan. to Nov.2011)	2,180	41,871,533.57	36,222,842.10	32,025,142.82	4,197,699.28	12%
2. FY 2010 and Prior Years Budget	2,911	10,668,627.51	9,899,562.11	9,520,464.96	379,097.14	4%
a. July 2010 to December 2010	1,523	5,275,424.91	4,965,374.09	4,859,733.95	105,640.14	2%
b. January to November 2011	1,388	5,393,202.60	4,934,188.02	4,660,731.01	273,457.00	6%
B. Central/PMO	106	7,910,138.18	6,549,724.29	5,593,334.71	956,389.58	15%
1. July 2010 to December 2010	29	2,735,869.65	2,319,457.29	1,870,042.16	449,415.13	19%
a. POPSTIRP Projects	12	696,029.70	557,243.49	428,677.91	128,565.58	23%
1. Road and Bridges	6	380,000.00	290,843.74	243,293.35	47,550.39	16%
2. Flood Control	6	316,029.70	266,399.75	185,384.56	81,015.19	30%
b. Other Projects	17	2,039,839.95	1,762,213.80	1,441,364.25	320,849.55	18%
2. January to November 2011	77	5,174,268.53	4,230,267.00	3,723,292.55	506,974.45	12%
a. POPSTIRP Projects	58	2,924,806.95	2,119,173.41	1,788,326.67	330,846.74	16%
1. Road and Bridges	23	1,495,718.00	1,114,129.71	964,117.08	150,012.63	13%
2. Flood Control	35	1,429,088.95	1,005,043.70	824,209.59	180,834.11	18%
b. Other Projects	19	2,249,461.58	2,111,093.59	1,934,965.88	176,127.71	8%
C. TOTAL						
a. July 2010 to December 2010	1,552	8,011,294.56	7,284,831.38	6,729,776.11	555,055.27	8%
b. January to November 2011	3,645	52,439,004.70	45,387,297.12	40,409,166.38	4,978,130.73	11%
	5,197	60,450,299.26	52,672,128.50	47,138,942.49	5,533,186.00	11%

- Clustering of FY 2011 Projects:

Locally funded projects (Region/District Implemented) under the FY 2011 Budget were clustered based on the following guidelines:

- Sub-sections with gaps of not more than 3 km but with a total allocation of P20 Million and above can be clustered.
- If the cluster has a total allocation of less than P20 Million, then the next sub-sections can be added to the cluster provided that the gap is not more than 10 km to produce a combined allocation of P20 Million and above.
- If the gap between sub-sections is more than 10km, the sub section can be treated as a stand-alone project regardless of the allocation.












By clustering, projects will be implemented by contractors with complete construction equipment, the quality of work will be better, and indirect cost/margins will be more cost effective.

Moreover, the time to process/procure small projects is same with that of big projects. So, by clustering we will be able to save time. The supporting documents for the small projects are same also with that of big projects. Thus, we also cut down some paper works and expenses and improve efficiency.

UPGRADE QUALITY AND SAFETY OF NATIONAL ROADS:

- Adopted new standards for concrete pavement thickness from 230mm to 280mm;
- Outsourcing project inspection and quality assurance of DPWH projects;
- Developing new construction design standards and specifications – upgrade drainage specifications, slope protection & soil erosion control, widening of national arterial road;
- Construct loading and unloading bays for road safety;
- Improve road safety using Traffic Accident Recording and Analysis System (TARAS) and International Road Assessment Program (iRAP);
- Enforcement of anti-overloading provision of the law.

STRATEGIC CONVERGENCE PROGRAM:

Agency		Convergence Program
	DOT	Support Infrastructure for designated strategic Tourism Destinations
  	DA/DAR NIA DENR	Coordinate development of Flood Control, Water Impounding & Watershed Protection; Integrated River Basin Management Plan
	DOTC	Support road access to designated airport and RORO ports
	MMDA	Coordinate flood control measures and needed infrastructure in flood prone areas of Metro Manila
	DSWD	CCT Beneficiaries for Labor Employment
 	DND AFP	Peace and Prosperity Program

TOURISM CONVERGENCE PROGRAM:

One of the priorities of the Department that would have a clear social outcome based on prudent and efficient selection of projects with measurable social and economic benefits is to enhance major thoroughfares to improve traffic and safety standards in urban centers and tourist destinations.

An amount of P1.800 Billion is included in the DPWH FY 2011 Budget for the rehabilitation/improvement/upgrading of national roads to declared tourist destinations. Moreover, an amount of P4.080 Billion is included in the DPWH FY 2012 Budget for infrastructure projects (access to Strategic Tourism Destinations, Major Airports and RoRo Ports) in support to tourism industry of the country. However, these projects were not conceptualized/prioritized based on the



Department of Tourism (DOT) Master Plan considering it was not yet available during the formulation of the DPWH FY 2012 Budget.

DPWH and DOT are working on a Convergence Program to prioritize selected tourism road projects based on criteria for the preparation of the FY 2013/succeeding budgets of the Department.

WATER CONVERGENCE PROGRAM:

DPWH is closely coordinating with other national government agencies relative to the convergence programs which are supportive of the government's plans of accelerating infrastructure development towards the realization of the inclusive growth vision. DPWH has a water convergence program with Department of Agriculture (DA), Department of Agrarian Reform (DAR) and the Department of Environment and Natural Resources (DENR) and this concerns the management of the river systems.

DPWH recognizes that the flood control structures downstream will not be freely effective if the watershed management upstream is lacking. The synchronized implementation of water resource development and management projects in a river basin is crucial to attain optimum benefits and impacts from the combined effects of a mixture of projects.

An amount of P725.4 Million under the FY 2011 Budget was already released for the flood control convergence projects with DA, DAR and DENR. When completed, flooding within the influence areas of the projects will be mitigated/reduced.

DPWH STRATEGIC PLAN FOR FLOOD MANAGEMENT AND CONTROL:

Strategic Policies:

- River Basin Approach to Flood Management and Water Resource Utilization
- Integrated Water Resource Management Approach in Coordination with Other Department/Agencies

River Basin (RB) Approach to Flood Management and Water Resource Utilization:

Formulation of Master Plan (MP) and Feasibility Study (FS) for Flood Control and Drainage Projects for Major and Principal Rivers - Per Nationwide Flood Risk Assessment Study

- Selected and prioritized 56 river basins for implementation from 2009-2034 (foreign-assisted and locally-funded projects)
- Completed MP and FS of 12 river basins
- On-going conduct of MP/FS for 11 river basins

Integrated Water Resources Management Approach in Coordination with Other Departments / Agencies:

- Water convergence program initiated with DA, DAR and DENR.
- In 2011, DPWH funded and is implementing various flood control projects and eleven (11) small water impounding projects (SWIPs) in the total amount of PhP 725.4 million.
- Prioritization of SWIP sites based on:
 - a) list of flood-prone areas
 - b) list of 140 critical watersheds prioritized by DENR supporting NIA-RIS and



- c) list of DPWH flood control projects in the area

DPWH Policies on Flood Control:

- Prioritize flood control projects in major and principal river basins based on master plans;
- Upgrade drainage facilities especially in highly urbanized areas;
- Promote innovative technologies such as geotextiles and coco-netting in slope protection and soil erosion control;
- Promote rainwater harvesting and retarding basins ;
- Support other agencies' efforts in non-structural measures such as hazard mapping (DOST/DENR), proper garbage collection and disposal (MMDA), relocation of informal settlers living along rivers/creeks, and estero/creek cleaning (MMDA/LGUs);
- Institutional capacity building.

Master Plan for Metro Manila and Surrounding Areas:

- World Bank-AusAID Facility in the amount of \$1.5 Million.
- To reduce the vulnerability of Metro Manila and Surrounding Areas to future flood events by carrying out a risk assessment study for the entire Metro Manila and Surrounding Basin Area in Bulacan, Laguna and Rizal in preparation of a comprehensive flood risk management plan and determine a set of priority structural and non-structural measures that will provide sustainable flood management.
- Additional scope of works in the Master Plan Study to include deltaic areas of the Pampanga River Basin including additional activities were requested by DPWH.
- The study will be conducted from February 2011 until February 2012, for a total of thirteen (13) months.

INFRASTRUCTURE SUPPORT PROGRAM FOR MINDANAO:

Region	FY 2011		FY 2012		Total	
	Amount (P'000)	%	Amount (P'000)	%	Amount (P'000)	%
NCR	8,409,820	10.7%	8,412,966	10.70%	16,822,786	10.68%
Northern Luzon	21,562,464	27.3%	17,086,335	21.73%	38,648,799	24.53%
Southern Luzon	14,120,097	17.9%	15,760,056	20.04%	29,880,153	18.96%
Visayas	13,869,126	17.6%	17,120,512	21.77%	30,989,638	19.67%
Mindanao	20,956,517	26.6%	20,264,614	25.77%	41,221,131	26.16%
Total:	78,918,024	100.0%	78,644,483	100.00%	157,562,507	100.00%

Note: Excludes Inter-Regional and Nationwide allocations.

In FY 2011, a total of P20.957 Billion or 26.6% of the total investment nationwide has been allocated/released for Mindanao to help its infrastructure development and economic growth. The P20.957 Billion already includes the P2.851 Billion investment support program for ARMM and other releases on top of the DPWH FY 2011 Budget. Moreover, a total of P20.265 Billion or P25.77% of the Capital Outlay under the DPWH FY 2012 Budget is programmed for Mindanao

Investment Support Program for Autonomous Region for Muslim Mindanao (ARMM):

The National Government has prepared a Stimulus Development Plan for ARMM to implement the reform roadmap towards economic recovery and development. Under the plan, the Government will fund priority and strategic projects promoting basic services, basic infrastructure and livelihood development that have been identified by various national agencies. The development of national road infrastructure is one of the highlights of the Plan. The Department of Public Works and Highways (DPWH), which has been designated as the lead agency to implement these projects,



has created a Task Force to oversee its implementation. The amount of P2.851 Billion has been approved by the President and released by the Department of Budget and Management under SARO No. A-11-01651 dated 04 November 2011 for the rehabilitation, upgrading and improvement of various national roads and bridges in the following provinces covered by ARMM:

Maguindanao	P 0.723 Billion
Basilan	0.513 Billion
Sulu	0.493 Billion
Lanao del Sur	0.911 Billion
Tawi-Tawi	0.211 Billion
Total:	P 2.851 Billion

PUBLIC PRIVATE PARTNERSHIP PROGRAM:

- Implement the High Standard Highway Master Plan for Metro Manila and 200km radius to develop priority expressway projects thru PPP;
- Identified various modes of undertaking these priority expressways;
- Develop long term road maintenance program for national roads under PPP;
- Assist DepEd in developing PPP School Building Program

On-going:

1. Tarlac-Pangasinan-La Union Toll Expressway (TPLEX)

Proposed (Priority):

1. Daang Hari-SLEx Link Project
2. NLEx-SLEx Link Connector
3. CALA Expressway Project
4. NAIA Expressway, Phase II
5. Central Luzon Expressway (CLEx), Phase I
6. C-6 Expressway and Global Link (South Section)
7. C-6 Extension (Flood Control Dike Expressway
8. Calamba-Los Banos Expressway

DPWH has successfully bid out the Daang Hari-South Luzon Expressway (SLEX) Link Road Project, in which the Ayala Corporation submitted the higher bid of P902 Million against the South Expresslink Consortium's P608 Million. The Daang Hari-SLEX Link Road Project is the first priority Public-Private Partnership (PPP) Project successfully bid out under the Aquino Administration. The contract will involve a 30-year operations and maintenance (O & M) concession period and a 16-month design and construction period within 2012 and 2013. Construction of the project's segments 1 and 2 will start in February 2012 and September 2012, respectively. The Notice of Award was issued to Ayala Corporation last December 22, 2011.



STATUS REPORT ON THE IMPLEMENTATION OF SCHOOL BUILDING PROJECTS UNDER THE DepEd REGULAR SCHOOL BUILDING PROGRAM:

Hereunder is the status on the implementation of the DepEd Regular School Building Program for CY 2010 and CY 2011.

CY 2010 School Building Program:

Batch No.	Date Received at Central Office	Amount Released (P'000)	No. of Projs.	Status of Implementation			Target Date of Completion
				Completed	On-going	NYS	
1	April 14, 2010	214,055.093	140	140	-	-	
2	June 22, 2010	541,827.500	623	616	5	2	Dec. 31, 2010
3	June 22, 2010	340,494.000	217	217	-	-	
4	June 22, 2010	118,182.000	167	167	-	-	
5	Nov. 9, 2010	106,345.000	92	91	1	-	Dec. 31, 2010
6	Nov. 18, 2010	74,838.000	112	112	-	-	
7	Dec. 14, 2010	258,132.000	325	200	12	13	Feb. 15, 2012
8	Mar. 9, 2011	146,126.000	113	86	26	1	March 28, 2012
Total:		1,800,000.000	1,789	1,729	44	16	
% Accomplishment				96.66%	2.45%	0.89%	

CY 2011 School Building Program:

Batch No.	Date Received at Central Office	Amount Released (P'000)	No. of Projs.	Status of Implementation			Target Date of Completion
				Completed	On-going	NYS	
1	Sep. 1, 2011	585,928.000	628	52	307	269	Jan. 15, 2012
2	Oct. 21, 2011	104,000.000	126	-	13	114	End of Jan. 2012
3	Oct. 27, 2011	74,374.000	79	-	17	62	End of Jan. 2012
Total:		764,302.000	833	52	336	445	
% Accomplishment				6.24%	40.33%	53.43%	

The School Building Projects for CY 2011 are targeted to be completed by the end of January 2012. However, for CY 2010 school buildings, are targeted to be completed by March 28, 2012. The reasons for the delay in the implementation are the following:

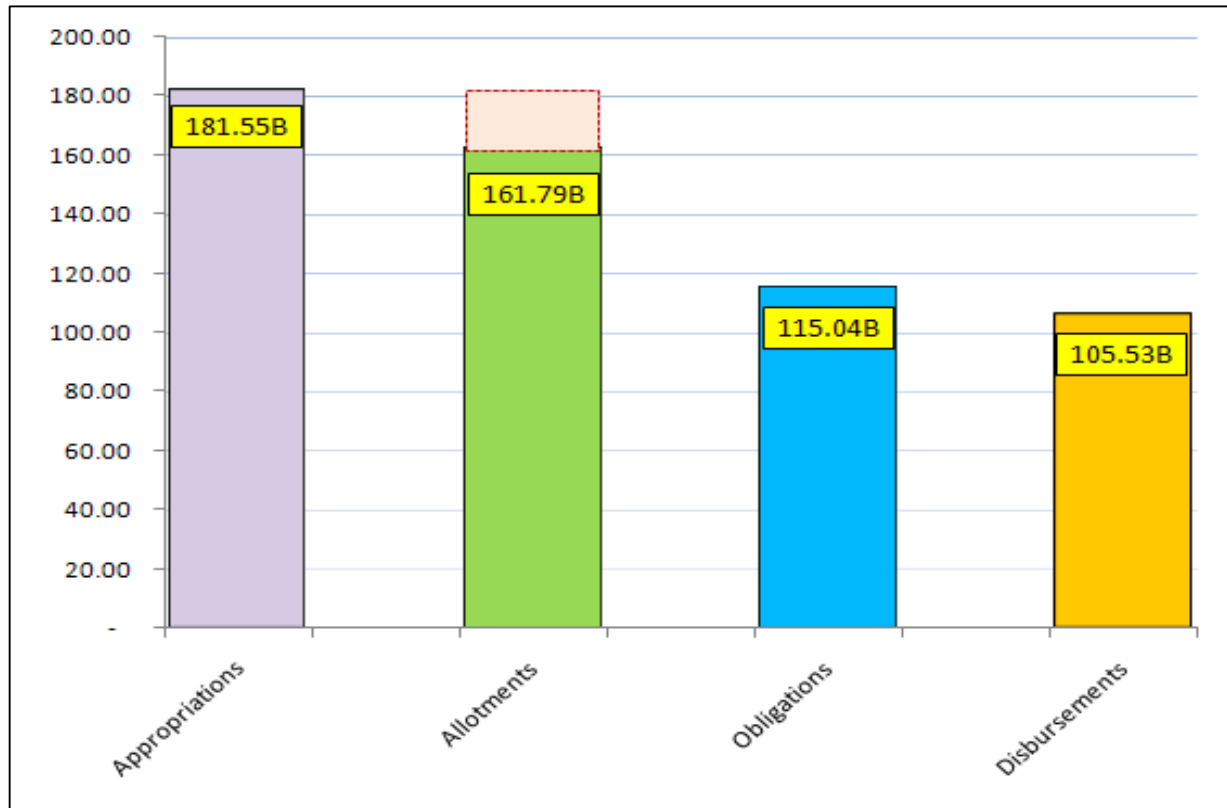
1. Problem in site locations in many identified school districts such as land acquisition/availability of land as school site
2. Requests for realignments of projects to different school sites
3. There are school building projects which require longer period of implementation due to its size (Cebu City and Lanao del Sur School Building Projects)



STATUS OF FUND UTILIZATION (as of December 29, 2011):

Status of Consolidated R.A. 10147, R.A. 9970 Ext.& CA, R.A. 8794 (all funds):

As of December 2011, out of the P161.79 Billion allotment received under R.A. 10147, R.A. 9970 Ext.& CA, R.A. 8794 (all funds), 71% or P115.04 Billion has already been obligated. The P105.53 Billion disbursements includes those prior years obligations. Hereunder is the status of the consolidated funds:

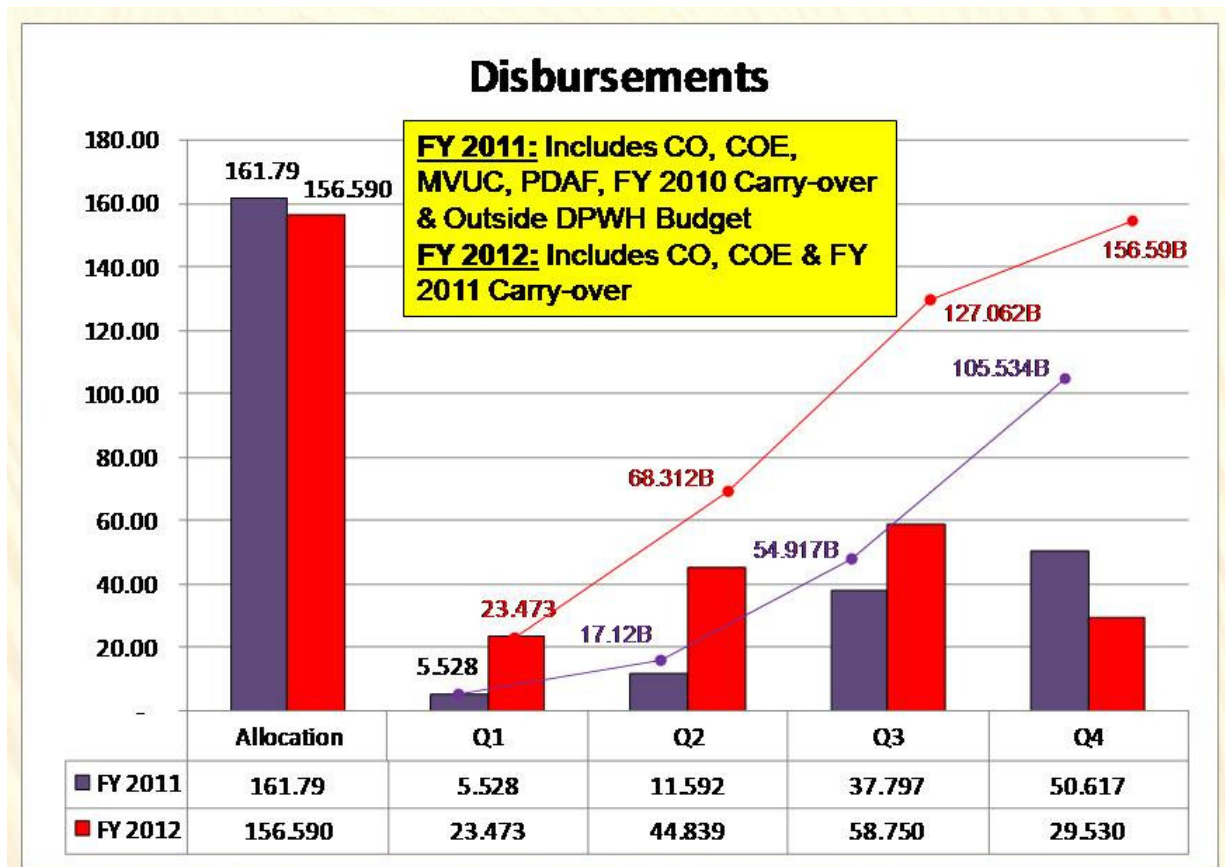


Allotments vs. Appropriations:	89% Allotted
Obligations vs. Allotments:	71% Obligated
Disbursements vs. Allotments:	65% Disbursed
Disbursement vs. Obligations:	92% Disbursed



Disbursements (Actual FY 2011 vs. Projected FY 2012):

Hereunder are the quarterly disbursements in FY 2011 (actual) and FY 2012 (projected):





DPWH INFRASTRUCTURE ACCOMPLISHMENT:

(FY 2011 and Prior Year's Budget)

Covering Period: January 2011-November 2011

	<u>Output Indicator</u>	<u>Amount</u>
	Length / No. of Projs.	(P'000)
I. Highways (Roads and Bridges)		<u>40,699,273.755</u>
(National and Local Roads)		
a. Roads	3,801.458 Km.	36,687,865.500
1. Paving of unpaved sections	789.403 Km.	14,096,238.713
2. Rehab. of paved sections	868.703 Km.	12,284,037.988
3. Preventive Maintenance	385.795 Km.	4,023,800.566
4. Widening	121.133 Km.	2,538,789.405
5. Construction	1,026.308 Km.	3,399,523.128
6. Other Related Road Activities	610.116	345,475.700
b. Bridges	6,918.555 Lm.	4,011,408.255
1. Replacement of temporary bridges	1,506.553	978,409.670
2. Rehab. of existing bridges/flyovers	2,385.940	978,615.910
3. Const. of new bridges	3,026.062	2,054,382.675
II. Flood Control and Drainage	826 proj.	3,786,614.479

As of November 2011, DPWH completed a total of 10,254 road, bridge, flood control and other infrastructure projects under the FY 2011 and Prior Year's Budget.



FY 2011 DPWH COMMUNITY BASED-EMPLOYMENT PROGRAM (CBEP):

(as of November 2011)

	No. of Workers
I. GAA	
a. Capital Outlay/Preventive Maintenance	43,408
b. Routine Maintenance (MOOE)	5,286
II. Motor Vehicle User's Charge (MVUC)	
a. Routine Maintenance	10,783
b. Trabahong Lansangan	1,933
c. Preventive Maintenance	-
d. Road Safety (ATOME)	272
III. Total	61,682

DPWH PRIORITY INFRASTRUCTURE PROJECTS:

Hereunder is the list of the Department's priority Overseas Development Assistance (ODA) projects:

1. Roads and Bridge Component:
 - a. Arterial Road By-pass Project (Phase I), Plaridel By-Pass Road Project, 26th Yen JICA Loan Package, PH-P236
 - b. Central Mindanao Road Project, 26th Yen JICA Loan Package, PH-P237
 1. Contract Package 2, North Upi-Maguindanao/Sultan Kudarat Bdry. Road
 2. Contract Package 3, Maguindanao/Sultan
 - c. Mindanao Roads Improvement Project, Saudi Fund for Development, Loan No. 1/433
 1. Cotabato City East Diversion Road Project
 2. Lake Lanao Circumferential Road Project
 - a. Contract Package 2A, Marawi-Masiu-Bayang Section
 - b. Contract Package 2B, Bayang-Pualas-Marantao-Marawi Section
 3. Basilan Circumferential Road Project
 - a. Contract Package 3A, Isabela-Lamitan-Tipo-tipo-Tumahubong Section
 - b. Contract Package 3B, Isabela-Maluso-Sumisip-Tumahubong Section
 - d. Korean Economic Development Cooperation Fund
 1. Gapan-San Fernando-Olongapo Road, Phase I, Loan No. PHL-8
 2. Gapan-San Fernando-Olongapo Road, Phase II, Loan No. PHL-10
 3. Bacolod (Silay) Airport Access Road, Negros Occidental, Loan No. PHL-9
 - e. National Roads Improvement Management Program (NRIMP), Phase II
 - f. Urgent Bridges Construction Project for Rural Development (UBCPRD), JICA PH-P231
 - g. Mega Bridges for Urban and Rural Development Project (MBURDP), French Government Assisted
 - h. Post Ondoy and Pepeng Short-Term Infrastructure Rehabilitation Project, JICA-Assisted (Roads and Bridges Component)
 - i. Road Upgrading and Preservation Project (RUPP), JICA 28th Yen, PH-P247
 - j. Wright-Taft-Borongon-Guiuan Road, Samar and Eastern Samar, Millennium Challenge Corporation
 - k. Rural Roads Network Development Project, Phase III, JICA, 24th YCP, PH-P220
 1. Looc-Odiongan-San Andres Road
 2. Bdry. Iloilo/Antique-Anini-y-V. Jimenez Road
 3. Prosperidad-Lianga Road
 4. Libon-Marococ-PAntao Road



- I. Spanish Fund Assisted Bridge Construction/Replacement Project
2. Flood Control Projects:
 - a. Pasig-Marikina River Channel Improvement Project (PMRCIP), Phase II, JICA, PH-P239
 - b. Iloilo Flood Control Project II, JICA, PH-P230
 - c. Mt. Pinatubo Hazard Urgent Mitigation Project, Phase III, JICA, PH-P241
 - d. Post Ondoy and Pepeng Short-Term Infrastructure Rehabilitation Project, JICA-Assisted (Flood Control Component)