



Connecting Cities, Sustaining Communities: DPWH's Urban Mobility Agenda



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SUSTAINABLE DEVELOPMENT GOALS



Sustainable Development Goals



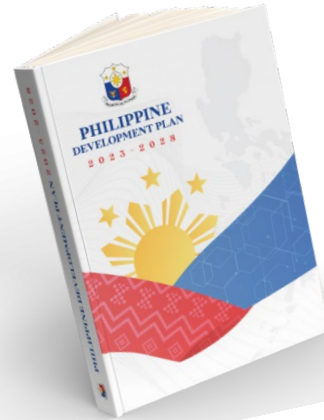
Aichi 2030 Declaration

The Paris climate agreement: key points

The historic pact, approved by 195 countries, will take effect from 2020

Temperatures 2100	Finance 2010-2025	Differentiation	Emissions objectives 2050
<p>• Keep warming "well below 2 degrees Celsius." Continue efforts to limit the rise in temperatures to 1.5 degrees Celsius"</p>	<p>• Rich countries must provide 100 billion dollars from 2020, as a "floor" • Amount to be updated by 2025</p>	<p>• Developed countries must continue to "take the lead" in the reduction of greenhouse gases • Developing nations are encouraged to "increase their efforts" and move over time to "catch up"</p>	<p>• Aim for greenhouse gases emissions to peak "as soon as possible" • From 2050, rapid reductions to achieve a balance between emissions from human activity and the amount that can be captured by "sinks"</p>
Burden-sharing	Review mechanism 2023	Climate damage	
<p>• Developed countries must provide financial resources to help developing countries • Developing countries are limited to provide support on a voluntary basis</p>	<p>• A review every five years first world review: 2023 • Each review will inform countries in "upgrading and enhancing" their pledges</p>	<p>• Vulnerable countries have won recognition of the need for "avoiding, minimizing and addressing" losses suffered due to climate change</p>	

Paris Agreement 2050



Philippine Development Plan (PDP)

Department of Public Works and Highways
Strategic Infrastructure Programs aligned with PDP 2023-2028

TRAFFIC DECONGESTION PROGRAM	SEAMLESS AND INCLUSIVE CONNECTIVITY VIA NATIONAL AND LOCAL LINKAGES	RESILIENT AND SUSTAINABLE COMMUNITIES
<ul style="list-style-type: none"> High Standard Highways and Expressways By-passes and diversion roads Flyovers, interchanges and underpasses 	<ul style="list-style-type: none"> Daang Maharlika Highway (N1) Inter-Island Linkage Bridge Program Gaps and Missing Links along National Roads Nautical Highway Network Convergence Programs with DOT, DOTR, DTI and DA 	<ul style="list-style-type: none"> Integrated Water Resources Management Program <ul style="list-style-type: none"> Flood Mitigation Structures in Major River Basins and Principal Rivers Water Impounding Projects Rain Water Collectors Drainage Capacity Improvement Disaster Risk Reduction and Climate Change Adaptation Program <ul style="list-style-type: none"> National Bridge Rehabilitation and Seismic Improvement Road Network Resiliency Projects Rehabilitation / Retrofitting of Public Buildings (School Buildings, Health Facilities, etc.) Social Infrastructure Program <ul style="list-style-type: none"> Evacuation Centers Basic Education Facilities (From DepED's Budget) Infrastructure Projects in Support of National Peace and Security Active Transport Program <ul style="list-style-type: none"> Bike Lane Network Pedestrian Infrastructure

DPWH Strategic Infrastructure Programs aligned with PDP 2023 - 2028



BAGONG PILIPINAS



TRAFFIC DECONGESTION PROGRAM

- High Standard Highways and Expressways
- By-passes and diversion roads
- Flyovers, interchanges and underpasses

SEAMLESS AND INCLUSIVE CONNECTIVITY VIA NATIONAL AND LOCAL LINKAGES

- Daang Maharlika Highway (N1)
- Inter-Island Linkage Bridge Program
- Gaps and Missing Links along National Roads
- Nautical Highway Network
- Convergence Programs with DOT, DOTR, DTI and DA

RESILIENT AND SUSTAINABLE COMMUNITIES

- **Integrated Water Resources Management Program**
 - Flood Mitigation Structures in Major River Basins and Principal Rivers.
 - Water Impounding Projects.
 - Rain Water Collectors
 - Drainage Capacity Improvement
- **Disaster Risk Reduction and Climate Change Adaptation Program**
 - National Bridge Rehabilitation and Seismic Improvement
 - Road Network Redundancy Projects
 - Rehabilitation / Retrofitting of Public Buildings (School Buildings, Health Facilities, etc.)
- **Social Infrastructure Program**
 - Evacuation Centers
 - Basic Education Facilities (From DepED's Budget)
 - Infrastructure Projects in Support of National Peace and Security
- **Active Transport Program**
 - Bike lanes Network
 - Pedestrian Infrastructure



TRAFFIC DECONGESTION PROGRAM






Philippine High Standard Highway Network Program

Increase the country's High Standard Highways / Expressways from 523 kilometers to 1,963 kilometers based on HSH Master Plan Phases I and II

- Decentralizes economic activities from Metro Manila/Davao/Cebu to emerging urban cities, easing congestion.
- Improves traffic flow and daily commutes, benefiting residents in metropolitan areas.
- Promotes regional cities as economic hubs, fostering growth and reducing disparities.
- Reduces carbon emissions by decreasing travel time and traffic congestion.



CONVERGENCE PROGRAMS

<p>DOT</p> 	<p>Tourism Road Infrastructure Program (TRIP)</p>	<p>The Tourism Road Infrastructure Program is aligned with the strategic direction of National Tourism Development Plan to improve access and connectivity to tourism gateways, service centers and tourism sites.</p>
<p>DTI</p> 	<p>Roads Leveraging Linkages of Industry and Trade (ROLL-IT) Program</p>	<p>Enhance industry-developing infrastructure in priority economic and manufacturing zones in support of the Export Development Act, the Small and Medium Enterprises (SME) Act, and the Comprehensive National Industrial Strategy.</p>
<p>DOTR</p> 	<p>KAlsada TUNgo sa Paliparan, Riles at daungAN (KATUPARAN) Program</p>	<p>Enhance linkages and access to seaports, airports and rail stations to further improve the logistics, transport and economic activities in these key industry hubs.</p>
<p>DA</p> 	<p>Agri-Infrastructure Support Program</p>	<p>Construction of Farm to Market Road and Farm to Mill Road based on Network Masterplan.</p>
<p>NIA</p> 	<p>KAlsada TUNgo sa PatuBIGAN (KATUBIGAN) Program</p>	<p>Convergence Program with the National Irrigation Administration (NIA) that aims to implement Small Water Impounding Projects (SWIP), Small River Improvement Projects (SRIP), and service road infrastructure projects in support of the Marcos Administration's priority agenda on food security.</p>

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



Department Order No. 128, series of 2023

**PERFORMANCE GOVERNANCE SYSTEM (PGS)
STRATEGIC PLAN
2023 - 2028**



DPWH POLICIES SUPPORTING SUSTAINABLE URBAN MOBILITY SOLUTIONS

- **Republic Act No. 9729:** *"Climate Change Act of 2009"*
- **DPWH Department Order (D.O.) 263 s. 2022**
Updated Guidelines and Standard Design Drawings for Bicycle Facilities along National Roads
- **DPWH Department Order (D.O.) 159 s. 2022**
Implementation of the Social and Environmental Management System Operations Manual
- **DPWH Department Order (D.O.) 041 s. 2010**
Prescribing the Use of Coconut Bio-Engineering Technology Solutions in DPWH Projects
- **DPWH Department Memorandum dated July 6, 2023**
Tree Replacement
- **DPWH Department Order (D.O.) 164 s. 2016**
Road and Bridge Projects Policies, Responsibilities, and Accountabilities
- **DPWH Department Order (D.O.) 152 s. 2015:** *"DPWH Standard Generic Specification on the Use of Polymer Modified Bitumen (PMB) In Item 310, Bituminous Concrete Surface Course, Hot-Laid and Item 734, Stone Mastic Asphalt (SMA)"*



ADVANCED PAVEMENT MAINTENANCE AND MANAGEMENT TECHNOLOGY

High Density Polyurethane Injection System



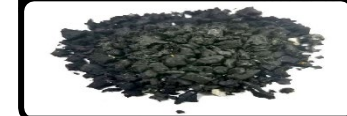
Roller-Compacted Concrete Pavement



Polymer Stabilized Subbase/ Base/ Surface Course



Crumb Rubber



Low-Density Polyethylene (LDPE) Plastic Bag Waste



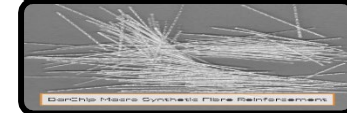
High Density Polyethylene Pipe



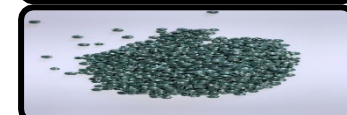
Polymer Modified Bitumen (PMB)



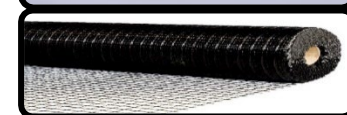
Macro Synthetic Fiber



Anti-rutting Additive (ARA)



Composite Crack-Prevention Geogrid



Stone Mastic Asphalt (SMA)



BIKE LANE NETWORK PROGRAM

Promote Zero Carbon Footprint and Active Transport by building more bike lane facilities.

Davao City Coastal Road





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