



Transport and Urban Sectors Operations

Transport and Urban Development Division
Southeast Asia Department



ADB

Principal Subsectors and Activities

- Transport
 - National Roads & Expressways
 - Provincial & Rural Roads
 - Railways
 - Urban Mass Rapid Transit
- Urban
 - Urban water supply
 - Solid waste management
 - Drainage and flood protection
 - Wastewater treatment
 - Urban roads, bridges, transport



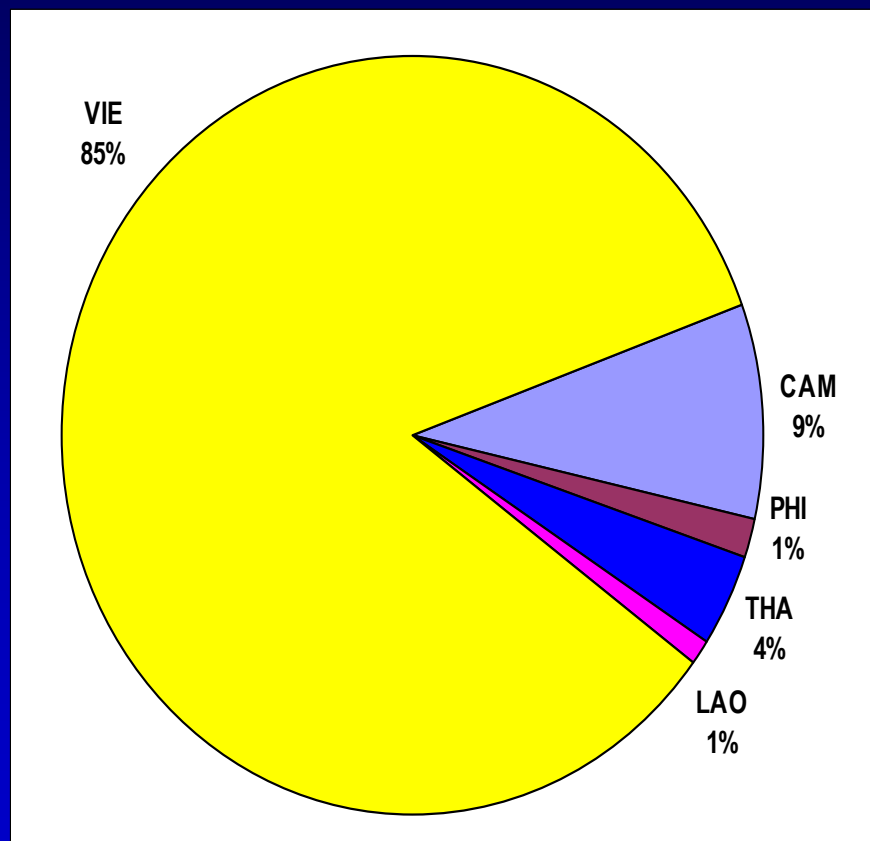
Cross-cutting Themes and Issues

- Regional Cooperation
- Public Private Partnerships
- Climate Change Adaptation/Mitigation
- Good Governance/Capacity Development
- Development Coordination

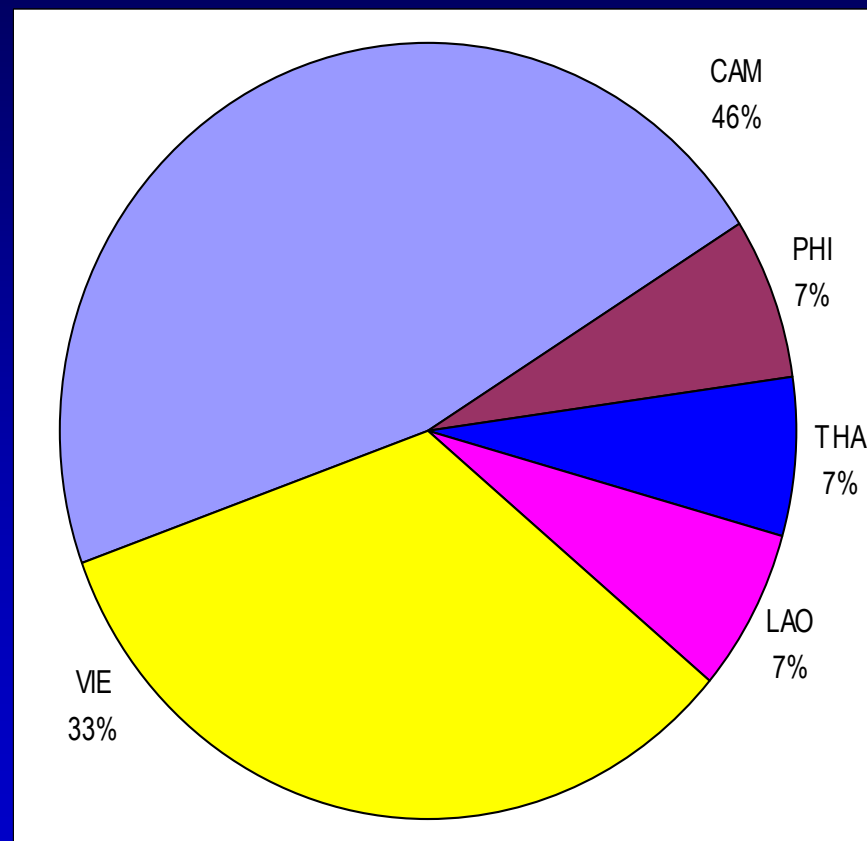


Ongoing Projects by Country

By Loan Volume



By Number of Loans



Ongoing Projects (1/2)

Country	Loan Title	Amount (\$ m)	Date Approved
CAM	GMS Cambodia Road Improvement Project	50.0	22 Nov 2002
CAM	GMS Rehabilitation of the Railway in Cambodia	42.0	13 Dec 2006
CAM	GMS Southern Coastal Corridor	7.0	28 Nov 2007
CAM	Road Asset Management	6.0	21 Jan 2008
CAM	Northwest Provincial Road Improvement	16.0	24 Aug 2009
CAM	GMS Rehabilitation of the Railway (Suppl.)	42.0	15 Dec 2009
LAO	Northern GMS Transport Network Improvement	27.0	27 Sep 2007

Ongoing Projects (2/2)

Country	Loan Title	Amount (\$ m)	Date Approved
PHI	Development of Poor Urban Communities	27.9	18 Dec 2003
THA	GMS Highway Expansion	77.1	15 Dec 2009
VIE	GMS Kunming-Hai Phong Corridor: Yen Vien-Lao Cai Railway Upgrading Project	60.0	19 Dec 2006
VIE	GMS Southern Coastal Corridor	75.0	28 Nov 2007
VIE	GMS Kunming-Hai Phong Transport Corridor: Noi Bai-Lao Cai Highway Project	1,096.0	14 Dec 2007
VIE	HCMC-Long Thanh-Dau Giay Expressway	410.2	30 Sep 2008
VIE	GMS Hanoi-Lang Son, GMS Halong-Mong Cai and Ben Luc-Long Thanh Expressway	26.0	23 Oct 2008

2010 Loans and Grants

Country	Loan Title	Amount (\$million)
CAM	Rural Road Asset Management Project	35.0
INO	Regional Roads Development (MFF \$500 m) – PFR 1	180.0
LAO	Northern GMS Transport Network Improvement (Supplementary)	21.0
LAO	Second Northern GMS Transport Network Improvement	20.0
PHI	Road Sector Institutional Development and Investment Program (MFF \$500 m) – PFR 1	62.0
VIE	Second Northern GMS Transport Network Improvement	75.0
VIE	Ho Chi Minh City Metro Rail System Line 2 (MFF \$520 m) – PFR 1	40.0
VIE	Ben Luc-Long Thanh Expressway (MFF \$650 m) – PFR 1	280.0
VIE	Hanoi Metro Rail	293.0

2010 Technical Assistance

Country	Project Name	Amount (\$million)
CAM	Provincial & Rural Road Asset Management	1.000
LAO	Transport Sector Development Project	1.000
LAO	Pakse Urban Environmental Improvement Project	1.280
PHI	Road Sector Improvement Project – PFR2	0.600
VIE	My Thuan-Can Tho Expressway	1.000
VIE	Ho Chi Minh City Ring Road No. 3 & 4	1.500
VIE	Hanoi Urban Mass Transit	1.500
VIE	Strengthening Operations, Institutional Arrangement and Governance in the Transport Sector	1.000
VIE	Comprehensive City Development: Viet Tri, Hung Yen & Dong Dang	1.200
VIE/CAM	GMS Southern Coastal Corridor Phase 2	0.500
CAM/LAO/VIE	GMS Corridor Towns Development Project (CTDP)	2.000

2011 Loans and Grants

Country	Project Name	Amount (\$million)
CAM	Provincial Road Asset Management	15.0
LAO	Transport Sector Development Project	22.0
LAO	Pakse Urban Environmental Improvement Project	15.0
PHI	Road Sector Institutional Development and Investment Project – PFR 2	200.0
VIE	HCMC Mass Rapid Transit Line 2 – PFR 2	500.0
VIE	GMS Hanoi-Lang Son Expressway	500.0
VIE/CAM	Southern Coastal Corridor 2	100.0
VIE	Central Mekong Delta Connectivity Project	220.0
VIE	Comprehensive City Development: Viet Tri, Hung Yen and Dong Dang	90.0

TAs for 2011

Country	Project Name	Amount (\$million)
CAM	Rural Roads Asset Management	0.800
INO	Regional Roads Development – PFR 2	1.000
VIE	Central Region Transport Network Improvement Sector II	1.000
VIE	Ho Chi Minh City Metro Expansion	1.500
VIE	Comprehensive City Development: Tam Ky, Phu Yen, Han Tinh	1.200
REG	GMS Railway Project	1.200

THANK YOU!

Project Information (for reference)

(ongoing project)

CAM: GMS Cambodia Road Improvement Project

- Loan Amount : \$50.0 m
- Date of Approval : 22 November 2002
- Closing Date : 30 June 2010
- Executing Agency : Ministry of Public Works and Transport

The project is completing the last remaining gap on the Greater Mekong Subregional Highway No. 1 (Asian Highway 1) from Bangkok to Ho Chi Minh City via Phnom Penh. The project is rehabilitating about 150 km of roads and 45 bridges on national Roads 5 and 6.

(ongoing project)

CAM: GMS Rehabilitation of the Railway in Cambodia

- Loan Amount : \$42.0 m
- Date of Approval : 13 June 2006
- Closing Date : 30 June 2010
- Executing Agency : Ministry of Public Works and Transport

The project will (i) rehabilitate and partially upgrade 594 km of existing railway track; (ii) reconstruct 48 km of railway line to Thailand; (iii) construct a new railway freight and maintenance facility; and (iv) support the restructuring of Cambodia's railway subsector.

(ongoing project)

CAM: GMS Southern Coastal Corridor

- Loan Amount : \$7.0 m
- Date of Approval : 28 November 2007
- Closing Date : 31 December 2012
- Executing Agency : Ministry of Public Works and Transport

The project will complete the GMS Southern Coastal Corridor in Cambodia and Vietnam. The project includes the following components: (i) rehabilitation of transport infrastructure; (ii) cross-border facilities; (iii) HIV/AIDS and trafficking awareness and prevention program; and (iv) road maintenance.

(ongoing project)

CAM: Road Asset Management

- Loan Amount : \$6.0 m
- Date of Approval : 21 January 2008
- Closing Date : 31 December 2013
- Executing Agency : Ministry of Public Works and Transport

The project provides a loan and grant financing for periodic maintenance of more than 1,000 km of the country's highway network over 5 years. The purpose is attain long-term sustainability of Cambodia's major roads and increase the role of private contractors in road maintenance. In addition, the project helps initiate Cambodia's National Road Safety Plan, and address one of the major development liabilities of rapid economic development in Southeast Asia: rapid escalation in road fatalities.

(ongoing project)

CAM: Northwest Provincial Road Improvement

- Loan Amount : \$16.0 m
- Date of Approval : 24 August 2009
- Closing Date : 31 December 2013
- Executing Agency : Ministry of Public Works and Transport

The project will assist the Government of Cambodia to improve the provincial national road network in northwestern Cambodia and the cross-border facility with Thailand. The project includes (i) improvement of National Road (NR 56) from Sisophon to Samraong, approximately 113 km, (ii) improvement of the cross-border facility at O'smach, (iii) a road maintenance program, (iv) a road safety program; and (v) an HIV prevention and anti-human trafficking program.

CAM: GMS Rehabilitation of the Railway in Cambodia (Supplementary)

- Loan Amount : \$42.0 m
- Date of Approval : 24 August 2009
- Closing Date : 31 December 2013
- Executing Agency : Ministry of Public Works and Transport

The original loan rehabilitates the existing national railway in Cambodia. The supplementary financing will enable (i) partial upgrade of the railway over and above the level achieved by rehabilitating to the original as-built standard; (ii) initial development of a modern freight railway yard in the outskirts of Phnom Penh, and (iii) provide institutional strengthening to the Ministry of Public Works and Transport to enable its effectively manage the concession agreement and undertake future regulatory duties related to railway safety, operations and development.

LAO: Northern GMS Transport Network Improvement

- Loan Amount : \$27.0 m
- Date of Approval : 27 Sep 2007
- Closing Date : 30 June 2014
- Executing Agency : Ministry of Public Works and Transport

The project comprises (i) improvement of 367 km of Route 4 from Xiang Ngeun to Nakha, construction of a bridge over the Mekong River, and improvement of about 100 km of rural access roads; (ii) procurement of equipment for the border crossing at Kenthao; (iii) financing for periodic road maintenance; (iv) improvement of road safety; and (vi) a program to reduce the risks of HIV/AIDs/sexually transmitted infections (STIs) and human trafficking that may develop during the improvement and operation of the project road.

(ongoing project)

THA: GMS Highway Expansion Project

- Loan Amount : \$77.1 m
- Date of Approval : 15 Dec 2009
- Closing Date : 30 June 2015
- Executing Agency : Department of Highways

The GMS Highway Expansion Project will upgrade 178 km of two-lane national highways to four-lane divided highway standard. Highway 12 from Phitsanulok to Lom Sak (105 km) is on the GMS East-West Economic Corridor; and Highway 359 from Phanom Sarakham to Sa Kaeo (73 km) is along the GMS Southern Economic Corridor.

VIE: GMS Kunming-Hai Phong Transport Corridor: Yen Vien-Lao Cai Railway Upgrading

- Loan Amount : \$60.0 m
- Date of Approval : 19 December 2006
- Closing Date : 31 December 2012
- Executing Agency : Vietnam Railways

The project is designed to promote sustainable economic growth by rehabilitating 285 km of railway from Yen Vien station in the northern suburbs of Hanoi to Lao Cai on the border with the People's Republic of China. The Project will develop a safe, efficient, and environmentally sustainable railway transport system in the northwest region of Vietnam, enhance connectivity with the PRC through the Kunming-Hai Phong transport corridor, and assist with the institutional reform of the railway subsector.

(ongoing project)

VIE: GMS Southern Coastal Corridor

- Loan Amount : \$60.0 m/\$25.5 m
- Date of Approval : 28 November 2007
- Closing Date : 30 June 2015
- Executing Agency : Vietnam Road Administration

The project will complete the GMS Southern Coastal Corridor in Cambodia and Vietnam through: (i) improving 96.1 km of national highway (QL) 80 and QL 63 in Vietnam including construction of two large bridges across the Cai Be and Cai Lon Rivers; (ii) constructing new cross-border facilities; and (iii) implementing an HIV/AIDS and trafficking awareness and prevention program.

VIE: GMS Kunming-Hai Phong Transport Corridor: Noi Bai-Lao Cai Highway Project

- Loan Amount : \$1,096.0 m
- Date of Approval : 14 December 2007
- Closing Date : 31 December 2012
- Executing Agency : Vietnam Expressway Corporation

The project will (i) construct an efficient, safe, and reliable high-standard road from Noi Bai to Lao Cai; (ii) create a new freight transport link between PRC's Yunnan province, Hanoi, and Hai Phong and Cai Lan ports in northern Vietnam; (iii) enable 1-day transport between Kunming, Hanoi and Hai Phong; (iv) stimulate operations of long distance bus transportation services and local public transportation; (v) generate revenue for VEC through the highway toll; and (iv) create business opportunities and employment for local people along the highway.

VIE: Ho Chi Minh City-Long Thanh-Dau Giay Expressway

- Loan Amount : \$410.2 m
- Date of Approval : 30 September 2008
- Closing Date : 31 December 2014
- Executing Agency : Vietnam Expressway Corporation

The project comprises construction of approximately 51 km of four-lane, tolled expressway. The expressway will commence at the junction of the Second Ring Road in District 9, Ho Chi Minh City, and end at a junction with National Highway 1 at Dau Giay, Dong Nai Province. The project includes construction of a major new 1,700-meter bridge over the Dong Nai River at Long Thanh.

VIE: GMS Ha Noi-Lang Song, GMS Ha Long-Mong Cai, and Ben Luc-Long Thanh Expressway TA Loan

- Loan Amount : \$26.0 m
- Date of Approval : 23 October 2008
- Closing Date : 30 June 2013
- Executing Agency : Vietnam Expressway Corporation

The TA loan aims to provide assistance to the Vietnam Expressway Corporation in implementing preconstruction activities for the expressway projects, including (i) development of detailed designs; (ii) preparation of bidding documents for civil works and assistance during the procurement of contracts; and (iii) assistance with the implementation of land acquisition and resettlement for the three expressway projects.

(2010 project)

CAM: Rural Road Improvement Project

- Amount : \$35.0 m
- Approval year : 2010
- Executing Agency : Ministry of Rural Development

The project includes 3 components: (i) to improve 506 km of rural roads; (ii) capacity building for sustainable road asset management; and (iii) road safety and safeguard program.

(2010 project)

INO: Regional Roads Development (MFF)

- Amount (MFF) : \$500.0 m
- Amount (PFR 1) : \$180.0 m
- Approval year : 2010
- Executing Agency : Ministry of Public Works

Reconstruction of 491 km of roads, construction of 257 km of new roads, replacement of 169 bridges, assistance on project implementation and management and road safety.

(2010 project)

LAO/VIE: Second GMS Northern Transport Network Improvement Project

- Amount : \$20.0 (LAO) / \$75.0 (VIE) million
- Approval year : 2010
- Executing Agency : Ministry of Public Works & Transport (LAO)
Vietnam Road Administration (VIE)

The project will support improvements to the Lao PDR and Vietnam road networks, thereby improving transport efficiency in the GMS Northeastern Economic Corridor.

(2010 project)

PHI: Road Sector Institutional Development and Investment Program (MFF)

- Amount (MFF) : \$500.0 m
- Amount (PFR 1) : \$62.0 m
- Approval year : 2010
- Executing Agency : Dept. of Public Works and Highways

The overall project will support periodic maintenance and improvement of about 1,900 km national roads throughout the country; PFR 1 includes periodic maintenance of 237 km of 8 national roads in 8 provinces in Luzon, Visayas and Mindanao.

VIE: Ho Chi Minh City Metro Rail System Line 2 (MFF)

- Amount (MFF) : \$520.0 million
- Amount (PFR 1) : \$40.0 m
- Approval year : 2010
- Executing Agency : Ho Chi Minh City People's Committee

The project will construct the 11.7 km first stage of MRT Line 2, from Ben Thanh to Tham Luong, including 9.5 km underground, 0.5 km at-grade and 1.7 km elevated of urban rail line and depot facilities at Tham Luong, using the MFF facility.

(2010 project)

VIE: GMS Ben Luc-Long Thanh Expressway (MFF)

- Amount (MFF) : \$650.0 m
- Amount (PFR 1) : \$280.0 m
- Approval year : 2010
- Executing Agency : Vietnam Expressway Corporation

The project will construct a 58 km expressway between Ben Luc and Long Thanh in the south of Ho Chi Minh which is a short link of the GMS Southern Economic Corridor.

(2010 project)**VIE: Hanoi Metro Rail System**

- Amount : \$293.0 million
- Approval year : 2010
- Executing Agency : Hanoi People's Committee

The project will construct over 12.5 km of light rail from Ga Noi train station in the heart of the city to the western parts of town and terminate in Nhon station and depot. The line has 15-16 stations of which 4 are underground.

VIE: Comprehensive City Development: Viet Tri, Hung Yen and Dong Dang

- Amount: \$90 million
- Approval year: 2011
- Completion year: 2017
- Project description: Infrastructure investments in 3 cities to complement Ha Noi as Northern Viet Nam's economic centers and to contribute to the transformation of the North-South Economic Corridor from transport corridor to full-fledged economic corridor
- EA: PPCs of Phu Tho, Hung Yen and Lang Son

LAO: Pakse Urban Environmental Improvement Project

- Amount: \$15 million
- Approval year: 2010
- Completion year: 2016
- Project description: Infrastructure improvement in Pakse City, the growth center in Southern Lao PDR, to further promote economic activities within the neighboring countries
- EA: Department of Public Works and Transport, Champasack Provincial Government