



# **GMS Regional Investment Framework (RIF) 2022 Progress Report**

## **Transport Sector CAMBODIA**

June 2018

Reported at the 22<sup>nd</sup> Meeting of the  
GMS Subregional Transport Forum (STF-22)  
21–22 June 2018, Mandalay, Myanmar



# Contents

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- 1. Summary List of Investment Projects for Cambodia in RIF 2022**
- 2. Progress Report of the Investment Projects**
- 3. New Proposed Projects for Cambodia**
- 4. Conclusions**



# 1.

## Summary List of Investment Projects for Cambodia in RIF 2022

### Transport

No.	Project Title	Country Coverage	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)
<b>INVESTMENT PROJECTS</b>					
<b>Cambodia</b>					
1	Sihanoukville Port Access Road Improvements	Cambodia	To be determined (TBD)	40.0	TBD
2	Road Network Improvement Project (formerly GMS: Deepening Connectivity of Southern Economic Corridor Project)	Cambodia	2017	77.5	Asian Development Bank (ADB)—70.0 Government of Cambodia—7.5
3	Phnom Penh–Sihanoukville Highway Corridor Improvements	Cambodia	2016	1,600.0	People's Republic of China (PRC) private sector—1,600.0
4	Link road between NR5 and NR6 near Kampong Tralach, north of Phnom Penh	Cambodia	2019	60.0	TBD
5	Railway access to the new Phnom Penh Port (53 km)	Cambodia	TBD	200.0	TBD
6	Southern Siem Reap bypass road (193.7 km)	Cambodia	TBD	200.0	TBD
7	Construction of Bus/Truck Driving Test Center	Cambodia	TBD	10.0	TBD
8	Construction of Logistics Complex at Stung Bot (Poipet, Cambodia–Thailand border)	Cambodia	TBD	50.0	TBD
9	Construction of Logistics Complex at Bavet (Bavet, Cambodia–Viet Nam Border)	Cambodia	TBD	50.0	TBD
10	Strengthening Overload Control System	Cambodia	TBD	5.0	TBD
11	Cambodia: Poipet–Border Bridge/Aranyaprathet (6.5 km)	Cambodia	TBD	6.5	TBD
<b>Subtotal (Transport Investment Projects: Cambodia)</b>				<b>2,299.0</b>	



# 2. Progress Report of the Investment Projects



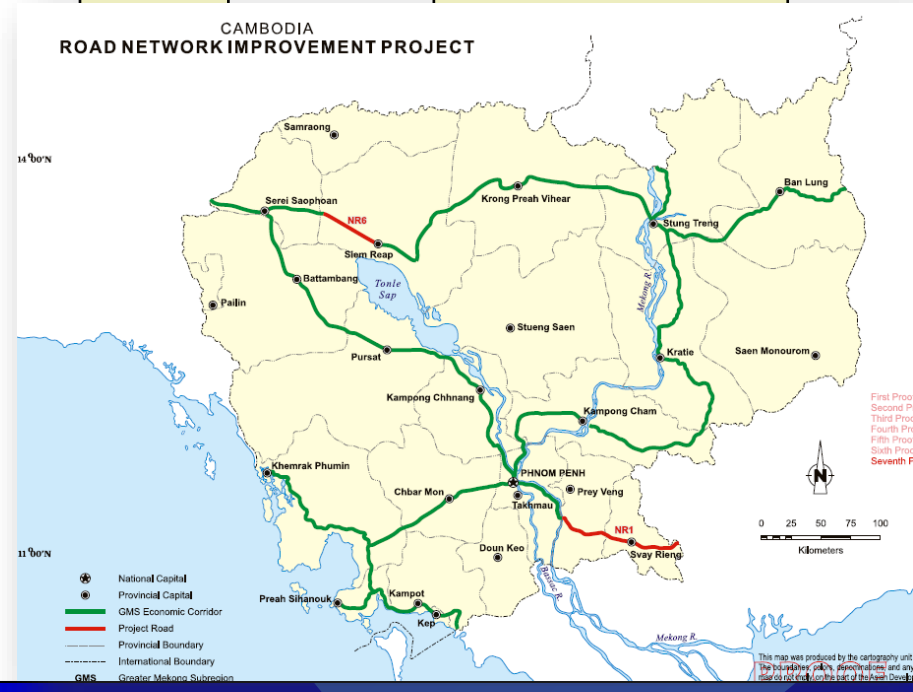
# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
1	<b>Sihanoukville Port Access Road Improvements</b>  (roads)	<p>Improve the final 9.5 kms of National Road 4 leading to Sihanoukville port.</p> <p><b>Due to the shortage of the budget, the proposed alignment has been changed and the distance is shortened from 9.5 km to 5 km</b></p>	TBD	40.0	5.0 by National Budget	<p><b>Completed.</b></p> <p><b>(The original alignment is still considered for long term plan)</b></p>	<p><b>Better Connection from the Southern Coastal Corridor and the Southern Central Corridor to Sihanoukville Port</b></p>	



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2	Road Network Improvement Project (formerly GMS: Deepening Connectivity of Southern Economic Corridor Project)  (Roads)	<b>The Project name was changed to Second Road Asset Management Project (Second RAMP) and finally, the project title now is Road Network Improvement Project under ADB Loan 3576-CAM (COL)The project will improve about 147 km of flood-prone and unsafe national roads through provision of periodic maintenance and rehabilitation on NR6 (50 km) and NR1 (97 km), respectively, with asphalt-concrete pavement (under a performance-based contract), which are high-priority roads connecting Cambodia with Thailand and Viet Nam.</b>	2017	76.94	<b>ADB: 70.00</b> <b>National Budget: 6.94</b>	<b>Recruitment of supervision consultant firm and procurement of civil work contractors are ongoing</b>	SEC	147 kms of National Roads will be rehabilitated with: Safer and climate resilient national roads delivered  - Axle load control enhanced  - Quality assurance for civil works in MPWT strengthened  - Road safety enforcement in project communes improved





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
3	Phnom Penh–Sihanoukville Highway Corridor Improvements  (Roads)  The new title of the Project is:  <b>Phnom Penh–Sihanoukville Expressway Project</b>	<b>This is an approximately 191 kms expressway project to be built on a new alignment. A build–operate–transfer (BOT) model with a 50-years concession period was approved. The expressway will provide a high-capacity road link between Phnom Penh and the port city of Sihanoukville, and to the GMS Southern Coastal Corridor.</b>	2016	1,600.0	<b>People’s Republic of China (PRC) Private sector-1,900.0</b>	<b>The Concession Agreement was signed in January 2018.</b>  <b>Land Acquisition and Resettlement is ongoing,</b>  <b>Construction is expected to start at the end of 2018 and completed at the end of 2022.</b>	Phnom Penh Sihanoukville SEC	191 kms expressway will be built on a new alignment



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
4	<p>Link road between NR5 and NR6 near Kampong Tralach, north of Phnom Penh</p> <p>Roads and bridges</p> <p>(roads/bridges)</p>	<p><b>The proposed new 21km road, including 1km bridge across Tonle Sap Lake, will shorten the distance between NR5 and NR6 from 64km to 22km. The link will facilitate the movement of traffic between these major highways north of Phnom Penh and will reduce traffic congestion with in Phnom Penh.</b></p>	-	60.0	60.0	<p><b>Seeking fund</b></p> <p><b>No Progress</b></p>	<ul style="list-style-type: none"> <li>• <b>Kampong Tralach</b></li> <li>• <b>Phnom Penh</b></li> <li>• <b>SEC</b></li> </ul>	<ul style="list-style-type: none"> <li>• 12 km road</li> <li>• 1km bridge</li> </ul>





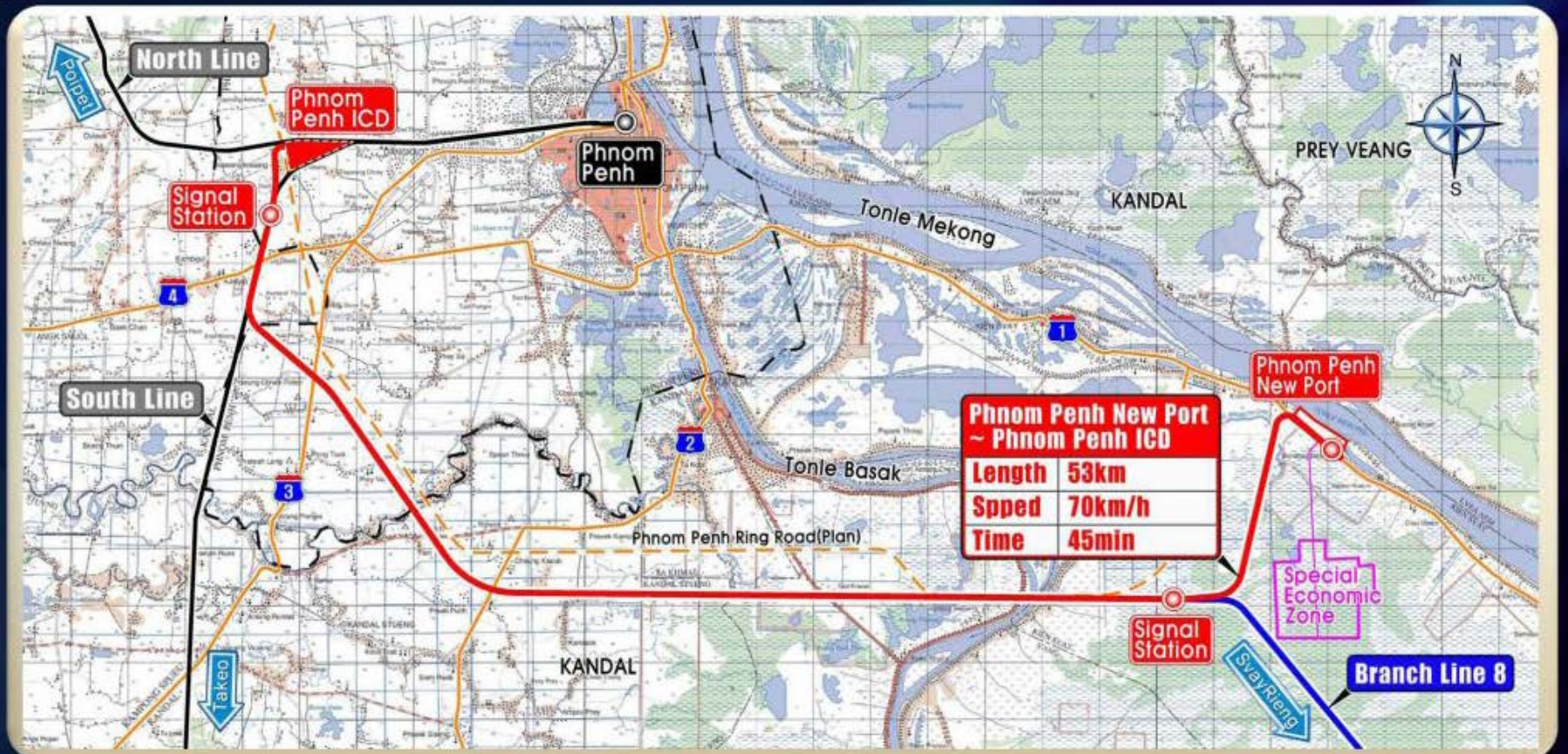
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No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
5	Railway access to the new Phnom Penh Port (53 km)  (Rail)	<ul style="list-style-type: none"> <li><b>This project is expected to provide the following benefits: (i) connecting two international ports, (ii) enhancing multimodal transport, (iii) reducing road accidents and traffic congestion, and (iv) reducing the cost and time of mass transit modes for containers.</b></li> </ul>	TBC	200.0		<p>Seeking fund</p> <p>No Progress</p>	<ul style="list-style-type: none"> <li>SKRL</li> </ul>	<ul style="list-style-type: none"> <li>- Connecting two International Ports</li> <li>- Enhancing multimodal transport</li> <li>- Reducing road accident &amp; traffic congestion</li> <li>- Cost and time reduction through containers' mass transit mode</li> </ul>



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

- New Route of 52km, branched from signal station which is planed at the South Line, would be connected to new port





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
6	<p>Southern Siem Reap bypass road (193.7 km)</p> <p>The distance is shortened to 42.64km</p> <p>Roads and bridges</p>	<p><b>The project will construct a road needed to bypass Siem Reap city to avoid traffic congestion in the city as one moves along the Southern Economic Corridor toward the border with Viet Nam. The road will also enable traffic to avoid the protected area around Angkor Wat.</b></p>	TBD	200.0	<p><b>DP: 40.0 divided in to three stages</b></p> <p><b>National Budget: 8.0</b></p>	<p><b>F/S is completed by Korea,</b></p> <p><b>It is now under requesting Budget to Korea Exim Bank</b></p>	<ul style="list-style-type: none"> <li>• SEC</li> </ul>	



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
7	Establishment of Bus/Truck Driving Test Center  Transport	<p>The estimated project cost involves the acquisition of equipment and/or construction of facilities. It may consist of a combination of a technical assistance project and an investment project, with the latter involving the actual setting up of the center. The reasons for this project are (i) the lack of testing facilities and equipment for bus and truck drivers;(ii) lack of professional drivers of heavy vehicles, especially cross-border vehicles; and (iii) need to reduce the frequency of road accidents.</p> <p>-----</p> <p><b>The Government has secured the land for testing field and buildings for the center.</b></p>	TBD	10.0	<b>2.0-5.0</b>	<p><b>Ministry of Public Works and Transport (MPWT) has already secured buildings and testing field for the center.</b></p> <p><b>SCG Thailand supports Training of Trainers.</b></p> <p><b>The Center is planned be launched in initial stage in July 2018.</b></p> <p><b>MPWT seeks Technical Assistance from DPs, especially from ADB to strengthen the capacity of the center and provide necessary facilities and equipment.</b></p>	<b>Smooth movement of traffic in the SEC</b>	



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
8	Construction of Logistics Complex at Stung Bot (Poipet, Cambodia– Thailand border)	In addition to reduce the over all logistics cost, the development of the Stung Bot Logistics Complex (SLC),located on the border with Thailand, along the SEC, is expected to boost economic growth and improve trade within the region, especially with Thailand. The SLC will integrate all logistics services, such as ports, storage, and transport networks; the collection and distribution of goods; and cross-border clearance arrangements along the SEC. The SLC will be an integrated project, involving (i) land development, (ii) a multimodal logistics system, and (iii) a storage– consolidation–distribution system.	TBD	50.0		<p><b>Seeking fund</b></p> <p><b>No Progress</b></p>		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
9	Construction of Logistics Complex at Bavet (Bavet, Cambodia–Viet Nam Border)	In addition to reduce the over all logistics cost, the development of the Stung Bot Logistics Complex (SLC),located on the border with Viet Nam, along the SEC, is expected to boost economic growth and improve trade within the region, especially with Viet Nam. The SLC will integrate all logistics services, such as ports, storage, and transport networks; the collection and distribution of goods; and cross-border clearance arrangements along the SEC. The SLC will be an integrated project, involving (i) land development, (ii) a multimodal logistics system, and (iii) a storage–consolidation–distribution system.	TBD	50.0		<p><b>Seeking fund</b></p> <p><b>No Progress</b></p>		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
10	Strengthening Overload Control System	<b>The proposed project includes (i) capacity building,(ii) institutional strengthening, and (iii) the provision of overload control equipment and facilities. This was proposed by the Cambodian delegation at the 21st GMS Subregional Transport Forum (STF-21), in Luang Prabang, Lao PDR.</b>	TBD	5.0		<b>Seeking fund No Progress</b>		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
11	Cambodia: Poipet–Border Bridge/Arany aprathet (6.5 km)	<b>This project will rehabilitate part of the GMS Rail Link1: Kunming–Ha Noi–Ho Chi Minh City (HCMC) to Phnom Penh–Bangkok (Singapore–Kunming Rail Link [SKRL] mainline)</b>	2016	6.5	<b>6.5</b> By the Gov't of Cambodia	Completed in April 2018  <b>(Restoration of the existing railway line up to Phnom Penh will be completed in early July 2018)</b>	-GMS Rail Link 1 -SKRL Mail line	





## **TABLE A- II. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List**

**(CAMBODIA has currently no Technical Assistance projects  
listed in RIF 2022.)**

**May propose a TA for Truck and Bus Driver Testing Center**



# 3. New Proposed Projects for Cambodia



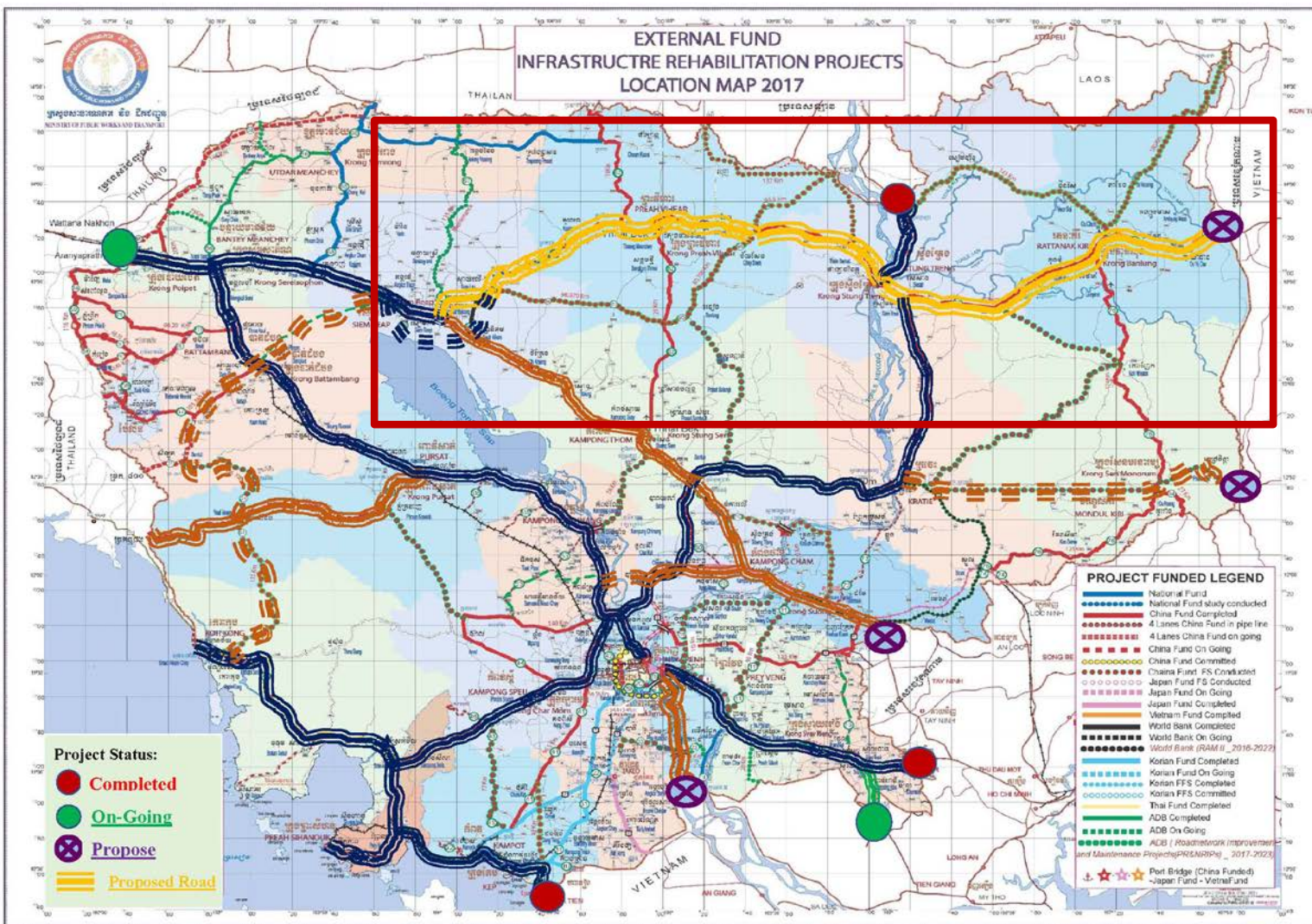
# TABLE B. PROPOSED NEW PROJECTS

## For Inclusion in RIF 2022

No.	Project Title	Description	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Justifications		Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
						(a) Strategic thrust/operational priority in HAP and or TrSS supported (Refer to Annex I)	(b) Other Justifications		
1	SIEM REAP to RATTANAKKIRI NATIONAL ROADS UPGRADING PROJECT - (SRNRUP) (roads)	<b>The proposed project will develop and complete a National Road between Siem Reap and Rattanakiri of about 390 km, in the North of Cambodia, an economic way between the North East and North West of Cambodia and a regional corridor needed to improve the interconnectivity between Thailand, Cambodia, Laos and Vietnam and other Southeast Asian Nations.</b>	-	450.0	DPs	Completing the economic corridor network and improving links with South Asia and Southeast Asia			Speed up economic development, contribute to coordinate regional economic development, Improve social progress, improve transportation in the North Corridor, connect national border crossings



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)





# Overall Assessment of Progress of Transport Projects Implementation Under The RIF

- Cambodia's transport projects under the RIF are generally on track.
- Construction of a Railway Bridge at CAM-Thai border was already completed in August 2015 with assistance from Thailand.
- The Rehabilitation of Railway Northern line from Poi Pet to Phnom Penh will be completed in July 2018
- The Study for Phnom Penh-Sihanouville Expressway project has been completed and the Concession Agreement was signed in January 2018; construction is expected to start this year
- Sihanoukville Port access Road (originally 9.5km shortened to 5.0km) was completed by the Government Budget.
- Only the Link Road between NR5&6 is delay, it's expected to commence in 2019, and No budget for the Two Logistics Complex



# Thank You

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# GMS Regional Investment Framework (RIF) 2022

## Progress Report

### Transport Sector

<P. R. China>

June 2018

Reported at the 22<sup>nd</sup> Meeting of the  
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1	<p>Rehabilitation of the Ning'er – Jiangcheng – Longfu road (Yunnan Pu'er Regional Integrated Road Network Development Project)</p> <p>(Roads and Briidges)</p>	<p>The 234 km –long - road is from Ning'er to the No.3 boundary marker (Longfu check point) along the border between PRC and Viet Nam, via Jiangcheng county, connecting southern Yunnan to Lao PDR and Viet Nam, and importantly, providing infrastructure to support trade and regional cooperation among the People's Republic of China (PRC), Lao People's Democratic Republic (Lao PDR), Myanmar, and Viet Nam.</p>	2014	279.9	<p>ADB-200.0</p> <p>China-79.9</p>	<p>Started in Oct, 2016.</p> <p>\$0.95 billion has been fulfilled, 33.05% of total estimated investment.</p> <p>The subgrade construction will be completed by April 2019.</p> <p>The bridge construction will be completed by September 2019</p> <p>The pavement and landscape construction will be completed by June 2020.</p>	North-South Economic Corridor	234 kilometers of roads to be constructed or rehabilitated.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
2	Dali–Ruili Railway  (Rail)	<p>This 330km railway from Dali to Ruili via Baoshan is connected with the Guangtong–Dali Railway, and is an important section of the western route of the Singapore–Kunming Rail Link (SKRL).</p> <p>It is essential for the completion of the SKRL’s western route and for the establishment of the Third Asia–Europe Continental Land Bridge. The line will be Class I, electrified, and with a maximum speed of 140 km per hour (km/h) for passenger trains.</p>	2006	4008.0	China-3,889.0	<p>The adjustment of feasibility study was approved in 2014 by the National Development and Reform Commission and the estimated cost is \$ 4008 million. The Dali-Baoshan section started in June 2008. The Baoshan-Ruili section commenced in December 2015 and will open to traffic by 2022.</p> <p>Up to April 2018, around \$1440 million had been fulfilled 35.59% of the total design.</p>	North-South Economic Corridor	330 kilometers of railway to be built



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
3	Further Maintenance and Improvement of the Upper Mekong River Navigation Channel from the PRC (at Landmark 243) and Myanmar to Luang Prabang, in the Lao PDR  (Inland waterways)	Encompasses a 631km river section between PRC–Myanmar Boundary Marker 243 and Luang Prabang, in the Lao PDR  (i) the improvement and maintenance of 146 rapid sand shoals, (ii) installation of 1,199 navigation aids (iii) construction of five ports, (iv) building of three channel maintenance and emergency response bases in the above-mentioned five ports, and (v) construction of four emergency response and rescue ships of 15 meters in length.  Training A ship monitoring and reporting system	2016	338.0	China 14.2  Balance (TBD)— 323.8	In April 2016, China, Laos, Myanmar and Thailand, jointly started the preliminary work of the navigation channel improvement project which includes field survey & investigation, environmental & social impact assessment, and project design.  By May of 2018, field survey has been completed, and environmental & social impact assessment and project design are in process. At the 16th JCCCN Meeting held in Bangkok, Thailand in February, 2018, the four sides agreed to complete the preliminary work by 2018.		The outputs of the preliminary work will lay a foundation for the implementation of navigation channel improvement project.



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
4	Yuxi–Mohan Railway  (Rail)	<p>The 507 km railway runs from Yuxi to Mohan via Xishuangbanna, linking with the Kunming–Yuxi Railway. Once it is connected with railways of other countries in the region, this route will be the most direct from the PRC to the Association of Southeast Asian Nations (ASEAN) countries.</p> <p>The line will be Class I, electrified, and with a maximum speed of 160 km/h for passenger trains; double track from Yuxi to Xishuangbanna; and single track from Xishuangbanna to Mohan, while reserved for upgrade to double track.</p>	2014	8062.5	Government of the PRC—7,649.0 ADB—150.0	<p>This project commenced in April 2016 and will open to traffic by 2021.</p> <p>Up to April 2018, an accumulative investment of \$3.03 billion had been fulfilled, which accounts for 38.1% of total design.</p>	North-South Economic Corridor	507 kilometers of railway to be built



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
5	Jinghong–Daluo Expressway  (Roads)	<p>The project is an important part of the north–south corridor (Kunming–Daluo–Tachilek–Chiang Rai), and has already been incorporated into the PRC’s Planning for the National Expressway Network (G8512), including a total length of 108.5km; 4 lanes; and the border control point at Menghai, the PRC.</p> <p>The construction of a new road will improve transport connectivity among the PRC, Myanmar, and Thailand; and will boost the development of the economy, trade, tourism, etc. Meanwhile, the completed corridor will serve as a strong complement to the Kunming–Bangkok Highway, and will provide more options for the movement of people and cargo within the region.</p>	2014	2380	PRC	<b>This project has already been incorporated into the PRC’s Planning for the National Expressway Network (G8512) but not included in the thirteenth Five-Year Plan. Thus it has not started yet.</b>		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

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6	Viet Nam: Lao Cai– Hekou (154 km) PRC: Hekou–Lao Cai (249 km)  (Rail)	The proposal regarding Rail Link 9—connecting Kunming, Ha Noi, HCMC, Phnom Penh, and Bangkok (SKRL main line)—is for a standard gauge track between the PRC and Viet Nam systems. Viet Nam is funding a feasibility study, and the PRC and Viet Nam are conducting bilateral discussions regarding the actual route and the points where the line would cross the border.	TBD	Cost estimate listed under Viet Nam To avoid double counting (33.6)	ADB	The Preliminary Report for the planning of Rail from Lao Cai to Hanoi to Haiphong was finished in Jan 2018 by China and has already been submitted to Vietnam.		



## **TABLE A- II. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List**

**(Currently, P. R. China has no Technical Assistance projects  
listed in RIF 2022.)**



# Thanks for Your Attention!

**Dr. Shan Hongjun**

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# **GMS Regional Investment Framework (RIF) 2022 Progress Report**

## **Transport Sector**

Lao PDR



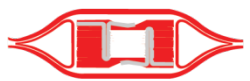

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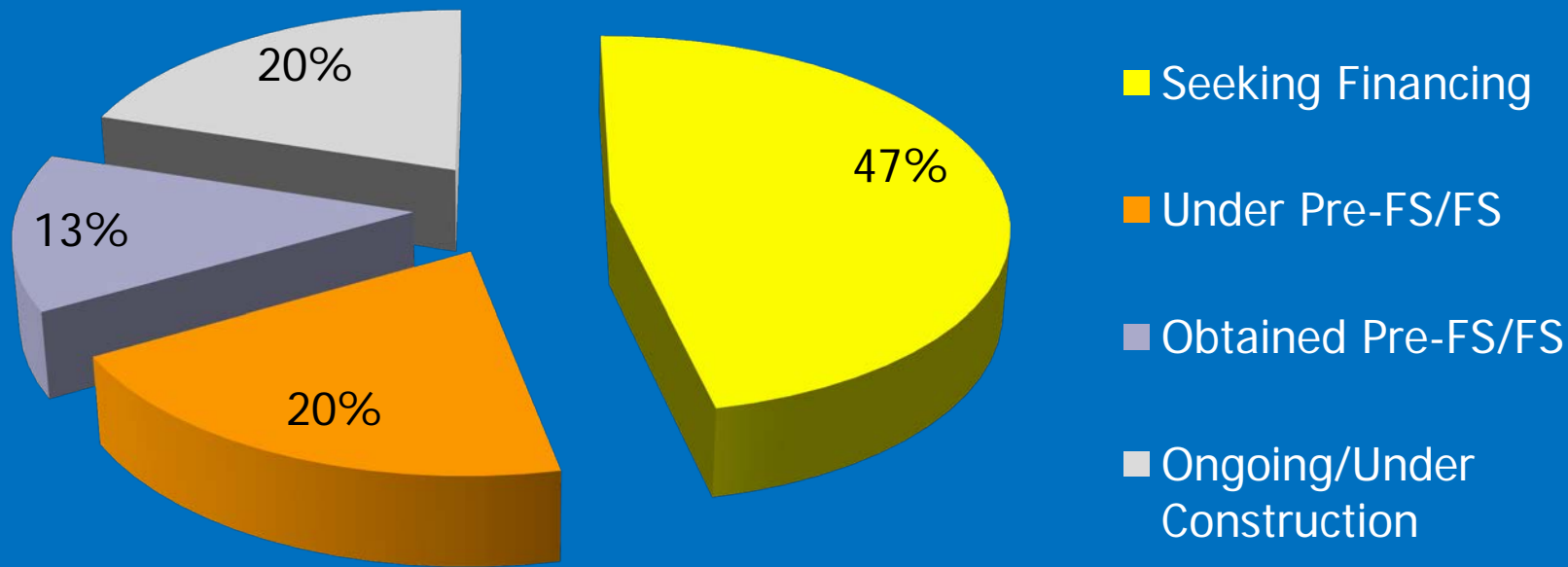
# Overview: 30 Transport Projects – RIF 2022

	No. Projects	Ongoing/ Under Const.	Obtained Pre-FS/FS	Under Pre- FS/FS	Seeking Financing for FS	Remarks
	12	2	2	2	6	
	5	2	1	1	1	
	6	1	1		4	
	7	1		3	3	
Total	<u>30</u>	<u>6</u>	<u>4</u>	<u>6</u>	<u>14</u>	



# Overview: 30 Transport Projects – RIF 2022

## Status of Projects





# All 30 Project Approximate Locations





# 12 Roads and Bridges Projects





No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	NR13 Improvement and Maintenance Project (Portion Sikuet to Phone Hong) NR13 N or AH 12 & (Porttion from Vientiane to Ban Hai) NR 13 S or AH 11	NR13 North (NR13N) connects Vientiane to the country's northern provinces, and NR13 South (NR13S) connects Vientiane to the southern provinces. Present and projected traffic demand requires an expansion of the road to four lanes in some sections and improvements in two other sections	2018	129.0	World Bank - 40.0 Nordic Development Fund (NDF)—9.5 Asian Infrastructure Investment Bank (AIIB)—40.0 Government of the Lao PDR— 40.0	-The Project has been approved by WB and NDF board in May 2018. -The loan signing is expected to be done June 2018. -The construction is expected to commence in Jan 2019. Lao PDR now is receiving grant from AIIB to conduct a full fs on NR 13 South.	Located on NSEC	
2	Hongsa (Xayaboury)—Chomphet (Luang Prabang) <b>Construction (114 km)</b>	This road is part of the tourism corridor that includes Chiang Rai, Chiang Mai, Luang Prabang (Chiang Thong), and Vientiane. The section's construction will promote trade, investment, and tourism.	2015	90.0	NEDA Thailand— 90.0	-Section 1, 42.3 km sees the progress up to April at 69.45% -Section 2, 71.65 km sees the progress up to April at 75.31% -Both sections are due to be completed in the end of 2018.	Linked with NSEC	
3	Upgrading of NR8 East–West Transport Route;  ASEAN Highway AH15 (Ban Lao–Nam Phao)	NR8 branches off from NR13S at Ban Lao, passing through the districts of Khamkeut and Lak Sao before reaching the Lao PDR–Viet Nam border crossing point at Nam Phao–Cau Treo.		80.0	KOICA supporting the feasibility study	-Final FS Report has been completed and presented to the Lao Govt on the 28 May 2018. -Project Roadshow workshop completed in the 1 <sup>st</sup> week of June 2018. Financing for construction required	NSEC	



# 5 Railway Projects





No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	Vientiane–Boten Railway Project (409 km)	The Vientiane-Boten Railway Project will connect the Chinese railway in the north of Lao PDR at the Chinese border to Vientiane and can potentially connect soon to the Thai rail line via Nong Khai in the near future. This standard gauge railway with a speed of 160 km/h for passenger train and 120 km/h for freight train will form part of the substantial 3,000 km Singapore-Kunming Rail Link.	2016	5,985.00	Government of the PRC	- The overall progress up to May 2018 is at 33.8%.	Closely parallel with NSEC	
2	Vientiane–Thakhek–Mu Gia Railway Project (450 km)  Mu Gia–Vung Ang (119 km)	The Vientiane–Thakhek–Mu Gia Railway Project covers a portion of the spur line of the SKRL. This spur line will connect the Thai railway network to the Vietnamese railway network. The Republic of Korea assisted with a feasibility study.		5,063.0	KOICA – grant fro FS completed in 2017	- Govt. proposing The Korean Govt to allow a private sector to be involved in conducting a full FS. - This will pave way for the PPP investment (section Thakhek, Laos - Mugia, Vietnam (Border) - Vung Ang, Vietnam.	NSEC	



# 6 Border Crossing Facility Projects







No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	Nam Phao Border–Crossing Point (NR8)	This facility is located at the Lao PDR–Viet Nam border- crossing point on NR8 in Bolikhamxay Province. NR8 is a vital route that provides the shortest link between Vientiane and the seaports in Viet Nam. The existing border-crossing facilities do not meet the requirements of the GMS CBTA.		TBC	KOICA – financing FS	- The scope of work has been included in the NR 8 Upgrading Project	NSEC	
2	Na Phao Border-Crossing Point (NR12)	This facility is located at the Lao PDR–Viet Nam border crossing point on NR12 in Khammouane Province. After the Third Thai-Lao Friendship Bridge was opened, transit traffic through Thailand, the Lao PDR, and Viet Nam, increased considerably. The existing border-crossing facilities do not meet the requirements of the GMS CBTA.		TBC	NEDA – Financing FS	- The scope of work has been included to the Upgrading of NR 12 Project (Thakhek – Na Phao) - The Study has been started since the beginning of June 2018	NSEC	



# 7 Ports and Waterways Projects





No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	Xiengkok River Port	Xiengkok, in Luang Namtha Province, is located on the Mekong River, and is a suitable location for a river port. Under the quadrilateral Lancang–Upper Mekong River Commercial Navigation Agreement (PRC, Lao PDR, Myanmar, and Thailand), Xiengkok River Port will be a checkpoint for downstream river traffic from the PRC to the Chiang Saen Port inland		15.0	The Government of PRC	- Construction Agreement has been signed with a Chinese firm since 2015. Fund mobilization is expected in 2019	Close NSEC in the North	
2	Navigation Channel Improvements: Lower Mekong from Luang Prabang to Savannakhet (Mekong River Commission)	The project will carry out a site investigation and survey the free-flow section of the hydropower dam for installation of aid for navigation and channel improvement.		TBD	Seeking financing for a full FS and implementation			



## Summary and Recommendations

- In general, almost half of total number of projects under RIF 2022 remains at the stage of **Seeking Financing**
- Some substantial progresses can be noted in a number of key projects, especially in Road and Bridges and Rail sub-sectors
- BC Facilities and Port as well as Waterways, are the two that see slow progress, which required assistance for further proceedings
- **It may be necessary for a ADB to tailor the next regional TA to assist and encourage a lift-up of status and projects profile of RIF 2022 to be more market appealing to potential financiers and funding sources.**



# Thank You

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**22<sup>nd</sup> Meeting of the  
GMS Subregional Transport Forum (STF-22)**

**GMS Regional Investment Framework (RIF) 2022  
Transport Sector Progress Report**

**MYANMAR**

21–22 June 2018  
Mandalay, Myanmar

Ms. Aye Aye Hla  
Joint Secretary, NTFC Myanmar  
Ministry of Transport and Communications



# Content

- 14 Investment Projects
  - Roads & Bridges: 9 projects of Ministry of Construction
    - 7 projects for Roads & 2 projects for Bridge
  - Rail: 1 Project of Ministry of Transport & Communications
  - Ports & Waterways: 2 Projects of Ministry of Transport & Communications
  - Border-Crossing Facilities: 2 Projects of Ministry of Construction
- 4 Technical Assistance Projects
  - Rail: 1 Project of Ministry of Transport & Communications
  - Roads: 3 Projects of Ministry of Construction



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List

## Investment Project

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	East–West Economic Corridor Eindu–Kawkareik Road Improvement Project  (Roads and Bridges)	<ul style="list-style-type: none"> <li>To improve 66.4 km of road between Eindu and Kawkareik in Kayin State.</li> </ul>	2016	121.80	ADB—100.0 ASEAN Infrastructure Fund—20.0 Government of Myanmar—1.8	<ul style="list-style-type: none"> <li>As ICB-1 the length of road from 0+000 km to 40+440 km, completion of the whole project is 18.7% resulted from the end of April 2018.</li> <li>As ICB-2 the length of road from 42+160 km to 66+455 km, the completion of the whole project is 15.8% resulted from the end of April 2018.</li> </ul>	Kayin State, Myanmar  GMS EWEC	Upgraded 66.4km- road
2	Mae Sot–Myawady Border Crossing Project and Infrastructure Improvements (with Thailand)  (Border-crossing facilities)	<ul style="list-style-type: none"> <li>Involves a new bypass road and bridge to the north of the existing border crossing at Mae Sot (Thai) – Myawady (Myn).</li> <li>Link up with a newly envisioned special trade zone in Myanmar.</li> <li>Include about 16.9 km of a new four-lane divided highway (13.3 km in Thailand; 3.6 km in Myanmar), a 100-meter-long bridge across the Moei River at the border, and associated border-crossing facilities.</li> </ul>	2015	Cost estimate listed under Thailand to avoid double counting	Government of Thailand	<ul style="list-style-type: none"> <li>83% completed in April, 2018.</li> </ul>	Kayin State, Myanmar  GMS EWEC	New 4 lanes bridge on the border line





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
3	Improvement of Six Inland Ports  (Ports and waterways)	<ul style="list-style-type: none"> <li>the establishment of six inland ports; Mandalay, Bamaw, Pakokku, Monywa, Kalewa and Magway along the Ayeyarwaddy and Chindwin rivers.</li> </ul>	2018	54.5 21x3=63.0 21x2=42.0 Total159.5	JICA Private Sector	<ul style="list-style-type: none"> <li>For Mandalay Port, Exchange Notes was signed with JICA.</li> <li>Submitted project proposal of construction of Banmaw, Pakhu-ku, Monywa to union Economic Committee and will proceed invitation of private investors for port development.</li> <li>Expected Magwe and Kalawa to construct in 2020 with private investment.</li> </ul>	Mandalay Region, Kachin State, Sagaing Region, Magway Region Myanmar  GMS NSEC	Inland port facilities will be upgraded and water way transportation mode will be improved
4	Loilem–Kyaington Road Section (359 km) (GMS Road Section of R7 and Secondary Road of Corridor)  (Roads)	<ul style="list-style-type: none"> <li>The road section of GMS route R7 and of the Asian and ASEAN highways.</li> <li>Link with the NSEC and the Northern Economic Corridor as a secondary road.</li> <li>Upgrade to ASEAN Class III Standard.</li> </ul>	2018	359.0	-	<ul style="list-style-type: none"> <li>Proposed</li> </ul>	Eastern & Southern Shan State, Myanmar.  GMS NSEC	Upgraded 359 km-road



## TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
5	Thaton–Payagyi Road Improvement Project  (Roads)	<ul style="list-style-type: none"> <li>Two-lane road improvement project running through the towns of Bilin, Kyaikto, and Payagyi, including a possible grade-separated interchange with NR1 at Payagyi.</li> </ul>	2018	128.0	Private BOT System	<ul style="list-style-type: none"> <li>Local BOT company is undertaking that road section to be 10.97-14.63m width according to the existing road alignment.</li> </ul>	Mon State & Bago Region, Myanmar  GMS EWEC	Upgraded 151 km-road
6	Ruili (PRC)–Kyaukpyu (Myanmar) Highway  (Roads)	<ul style="list-style-type: none"> <li>Promote connectivity between the PRC and Myanmar, and then the region’s road network overall.</li> </ul>	2018	1,000.0	Private  China Harbour Engineering Co.Ltd (CHEC)	<ul style="list-style-type: none"> <li>Already signed MoU with CHEC and Pre-Feasibility Study is ongoing.</li> <li>Project implementation will be processed up to the FS Report.</li> </ul>	Northern-Shan State, Mandalay Region, Nay Pyi Taw Magway Region & Rakhine State, Myanmar  GMS NSEC	New Expressway



## TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
7	Daluo (PRC)–Tachilek (Myanmar) Highway  (Road and bridges)	<ul style="list-style-type: none"> <li>Involves the improvement of an existing highway, a part of the GMS NSEC, linking with the PRC to the north and Thailand to the south.</li> <li>One of the major border trade routes between Myanmar and Thailand via Tachileik.</li> <li>Consist of upgrading the Kyaington – Mongla section (93 km) of this highway to ASEAN Class II standards.</li> </ul>	2018	93.0	Public Private Partnership BOT System	<ul style="list-style-type: none"> <li>MOC is undertaking Minelar- Kengtung road section (3.66 - 6.7 m)</li> <li>Local BOT company is undertaking Kengtung-Tachileik road section (9.14 m).</li> </ul>	Eastern Shan State, Myanmar  GMS NSEC	87.51 km of upgraded Mongla – Kyaington road  156.8 km of upgraded Kyaington-Tachileik road
8	Bridge on the Kyaington–Lyainglin–Taunggyi Road (AH2)  (Road and bridges)	<ul style="list-style-type: none"> <li>The service life of the Tarkaw (Thanlwin) Bridge (bank to bank 900 feet) is about 40 years, and its load capacity is only HS-20</li> <li>Proposed a new four-lanes bridge with an HS-25 load capacity.</li> <li>Type of Bridge will be specified after FS.</li> </ul>	2018	15.8	TBD	<ul style="list-style-type: none"> <li>F.S was completed in March, 2018.</li> <li>Budget proposed for 2018-2019 fiscal year.</li> </ul>	Eastern & Southern Shan State, Myanmar  GMS EWEC	A new four-lane bridge with load capacity HS-25.



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
9	GMSEWEC Corridor Improvement I and II  (Roads and bridges)	<ul style="list-style-type: none"> <li>The bridges and expenditure amounts involved in this project are: Atran Bridge (\$68.25 million), Gyaing (Kawkareik) Bridge (\$122.86 million), Gyaing (Zathapyin) Bridge (\$129.11 million), and Sittaung (Kyaikhto) Bridge (\$180.7 million, proposed for approval in 2020).</li> </ul>	2017	550.22	JICA 550.22	<ul style="list-style-type: none"> <li>Gyaing (Kawkareik): Bidding Documents was commenced on 10-5-2018 to 23-5-2018.</li> <li>Atran and Gyaing (Zathapyin): Under the Preparation of Detailed Design.</li> <li>Sittaung (Kyaikhto) Bridge: F.S draft July, 2016.</li> </ul>	Mon State & Kayin State Myanmar  GMS EWEC	Four new 4-lane bridges
10	Bago–Kyaikto Road  (Roads and bridges)	<ul style="list-style-type: none"> <li>Entail a new highway alignment on an extension of the EWEC, between Bago and Kyaikto, easier access to Thilawa SEZ.</li> <li>Expected to be reconstructed as an asphalt-concrete, two-lane road of 7-meter in width, with 1.5-meter paved shoulders.</li> <li>Achieve a safer and more efficient movement of goods and people along the GMS EWEC and NSEC in Myanmar.</li> </ul>	2020	200.0	ADB	<ul style="list-style-type: none"> <li>The Project will be processing up to the FS report under the TA project</li> </ul>	Bago Region & Mon State, Myanmar.  GMS EWEC	87.13 km of new road



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
11	Upgrading of Wan Pong Port with 500-ton container-handling facilities (ports)	<ul style="list-style-type: none"> <li>Modernize the facilities at Wan Pong Port for handling shipping containers.</li> <li>Increase the trade in cargo between Myanmar and other GMS countries.</li> <li>effectively use the Mekong River transport route to boost the country's economic development</li> </ul>	2018	0.5	Joint Committee on Coordination of Commercial Navigation	<ul style="list-style-type: none"> <li>USD 500,000 was approved by JCCCN for feasibility study of Wan Pong port.</li> <li>FS will be started in October 2018 and the implementation of port construction is expected in 2019-2020 fiscal year.</li> </ul>	Eastern Shan State Myanmar  GMS NSEC	Wan Pong port will be improved and port handling capacity will be increased.
12	Upgrading of Mawlamyine-Dawei – Htee Khee Rail Link (452.58 km) (Rail)	<ul style="list-style-type: none"> <li>Mawlamyine-Dawei railway section (310.58 km) is not only for local railway transport but also for its link to Thailand and the ASEAN railway network.</li> <li>A part of the Trans-Asian Railway (TAR) Southern Corridor in Myanmar.</li> <li>Will be linked with the new Dawei– Htkhee line as a proposed spur line of the Singapore– Kunming Rail Link (SKRL) to Thailand.</li> <li>Improve railway transport for passengers and freight.</li> </ul>	2020	TBD	ADB NEDA Thailand	Proposal	Tanintharyi Region & Mon State Myanmar  GMS SEC	Upgraded Rail Link and new spur line



## TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
13	Border Control Facilities at Border Crossing Points: Tachilek, Muse, and Lao-Myanmar Friendship Bridge (Border-crossing facilities)	<ul style="list-style-type: none"> <li>to facilitate cross-border transport with neighbouring GMS member countries under the GMS full CBTA.</li> </ul>	2018	TBD for Muse & Tachilek,  MMK 2604 mil	ADB PRC NEDA & Thailand  Government of Myanmar	<ul style="list-style-type: none"> <li>It needs to find the places for check points in Muse and Tachileik.</li> <li>Lao-Myanmar Friendship Bridge and BCF completed in May 2015</li> </ul>	Eastern & Northern Shan State Myanmar  GMS NSEC	Facilitation of Cross-border Transport
14	GMS Highway Modernization Project (roads and bridges)	<ul style="list-style-type: none"> <li>Rehabilitate and improve about 280 km of highways for the safer Ygn-Mdy Expressway</li> <li>Detailed technical preparations of a new highway project along all GMS corridors in Myanmar to achieve a safer and more efficient movement of goods and people .</li> <li>Yangon-Pathein Road Project (177 km)</li> <li>Bago-Thanyin Road (99 km)</li> <li>Between Bago and Kyaikto: a new highway alignment on an extension of the EWEC.</li> </ul>	2018	372.5	ADB - 340.0 ASEAN Infrastructure Fund- 20.0  Government of Myanmar- 12.5	<ul style="list-style-type: none"> <li>Highway Modernization Project had been got the confirmation from Hluttaw on 26.3.2018.</li> <li>ADB and MOPF are being making loan negotiation.</li> <li>Already submitted to short list the consultant for HMP.</li> <li>One of the HMP project Yangon-Pathein Road is implemented to transfer gas pipeline which is obstruction on the road area.</li> <li>MoC and Oriental Highway Company (BOT) are being discussed to handover that road.</li> </ul>	Yangon Region, Mandalay Region, Bago Region & Ayeyawaddy Region, Myanmar  GMS EWEC GMS NSEC	65 km of upgraded Yangon-Mandalay Expressway  175 km of upgraded Yangon-Pathein road



# TABLE A- I. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List

## Technical Assistance Projects

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	Feasibility Study on Upgrading of Mawlamyine-Dawei-Htee Khee Rail Link (452.58 km)  (Rail)	<ul style="list-style-type: none"> <li>Missing Links to Thailand and the railway network of the ASEAN.</li> <li>Part of the SKRL and Trans-Asian Railway (TAR) networks.</li> <li>Thailand has conducted a full feasibility study on the Laem Chabang - Bangkok - Kanchanaburi - Ban Phu Nam Ron (border crossing) section.</li> </ul>	2018	TBD	TBD	Proposal	Tanintharyi Region & Mon State Myanmar  GMS SEC	Upgrading Rail Link and new spur line
2	Transport Sector Reform and Modernization (additional financing)  (Roads and bridges)	<ul style="list-style-type: none"> <li>Support the next phase of ADB's participation in the development of Myanmar's road transport sector.</li> </ul>	2017	2.0	ADB	<ul style="list-style-type: none"> <li>This TA was being implemented Pre Feasibility Study (F.S) before HMP Project. Feasibility Study (F.S) was completed in November 2017.</li> </ul>	Yangon Region, Mandalay Region, Bago Region & Ayeyawaddy Region, Myanmar  GMS EWEC	Implementation of HMP Project



# TABLE A- I. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
3	Greater Mekong Subregion East-West Economic Corridor Highway Development Project (formerly GMS EWEC Road Corridor Improvement II)  (Roads and bridges)	<ul style="list-style-type: none"> <li>Develop a direct highway link between Bago and Kyaikto, along GMS EWEC.</li> <li>Improve connectivity between Myanmar and Thailand; combined with ongoing ADB transport infrastructure and cross-border transport facilitation activities to enable more intense trade between Myanmar and Southeast Asia.</li> <li>Enhance road access to Mon and Kayin state, demonstrating the government's commitment to improving the well-being of people in areas that have long been affected by conflict.</li> <li>Provide a new high-class road access to Kyaikto, a major tourism and pilgrimage site.</li> <li>Build governments capacity to develop and manage high-class highways meeting international standards.</li> </ul>	2017	2.0	ADB	<ul style="list-style-type: none"> <li>Planning to perform traffic survey, topo survey, geotechnical investigation, environmental testing, inventory of loss &amp; socio economic survey, poverty &amp; social assessment data collection survey , biodiversity survey and give awareness to the people with local authorities on the new alignment.</li> </ul>	Bago Region & Mon State, Kayin State Myanmar  GMS EWEC	70 km - new road





## TABLE A- I. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
4	GMS Regional Transport Corridor Improvement I  (Roads and bridges)	<ul style="list-style-type: none"><li>Prepare a project to upgrade sections of Myanmar's GMS North-South and East-West transport corridors.</li></ul>	2019	1.5	ADB	<ul style="list-style-type: none"><li>Proposed</li></ul>	GMS-NSEC & EWEC	



# New Projects by Other Funding Sources

(UNDER PROCESSING)

No.	Project Title	Description	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Justifications		Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
						(a) Strategic thrust/operational priority in HAP and or TrSS supported (Refer to Annex I)	(b) Other Justifications		
1	Construction of Bago NH1 bypass road  (Roads)	<ul style="list-style-type: none"> <li>Elimination of a highly congested bottleneck along the primary north-south artery</li> </ul>	TBD	25	Bago Regional Government Budget			Bago Region, Myanmar  EWEC	
2	Improvement of Thilawa-East Dagon Road (8.7 km, two lane)  (Roads)	<ul style="list-style-type: none"> <li>Linking the port and special enterprise zone with Yangon and the national road network</li> </ul>	TBD	JPY 4613 Million	JICA Loan			Yangon Region, Myanmar  EWEC	
3	Construction of Thaton and Kyeikto bypass road (or) Improvement of Thaton-Kyeikto district road  (Roads)	<ul style="list-style-type: none"> <li>Elimination of a highly congested along EWEC corridor</li> </ul>	TBD	TBD	TBD			Mon State  EWEC	



# New/Expanded Configuration of GMS Economic Corridors





# Thank You

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# **GMS Regional Investment Framework (RIF) 2022 Progress Report**

## **Transport Sector**

### **THAILAND**

June 2018

Reported at the 22<sup>nd</sup> Meeting of the  
GMS Subregional Transport Forum (STF-22)  
21–22 June 2018, Mandalay, Myanmar



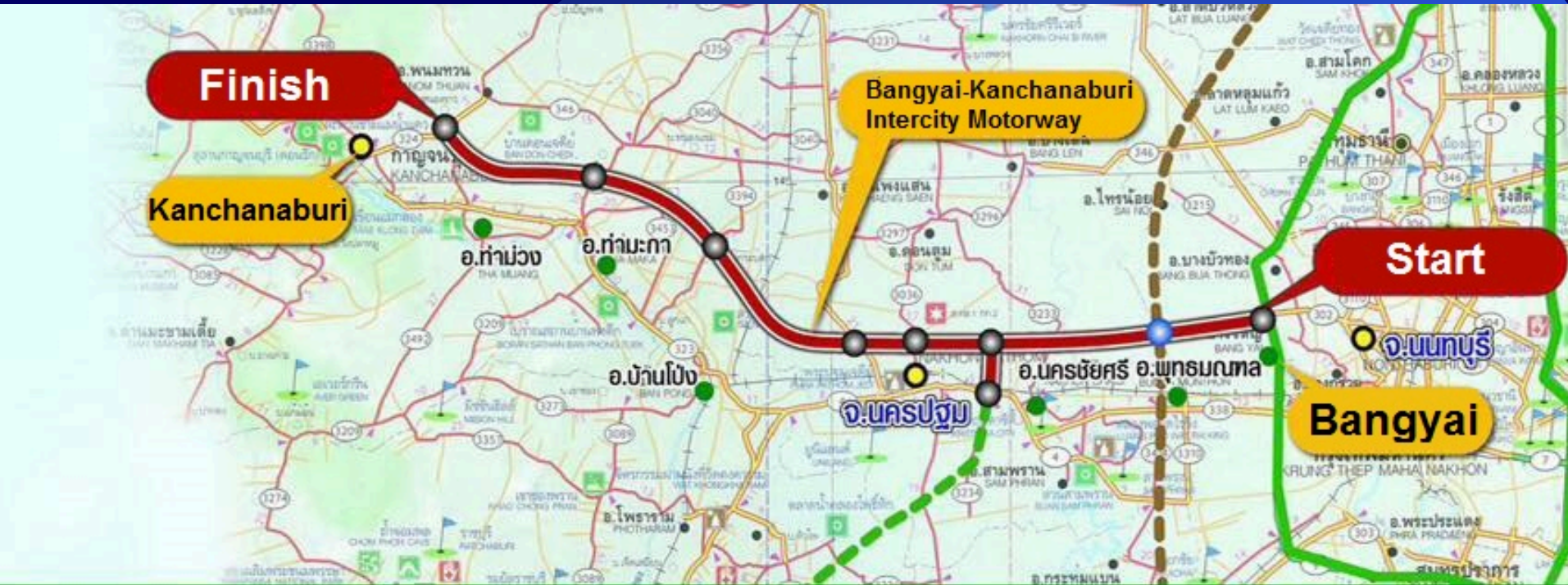
# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	Bang Yai–Kanchanaburi Intercity Motorway Project (part of LaemChabang–Bangkok–Dawei [Myanmar] Corridor)  (Roads and bridges)	In addition to playing a strong national role, this expressway will be part of the LaemChabang–Bangkok–Dawei (Myanmar) highway corridor, linking the port at Laem Chabang with the proposed deepwater port at Dawei, and with Myanmar’s highway network, connecting with Mawlamyine and Yangon. The proposed expressway is an important component of Thailand’s National Highway Development Plan.	2015	1,600.0	Government of Thailand— 1,600.0	This project is under construction with estimated 8.3% progress	SEC	96 km. of intercity motorway to be constructed.





# Bang Yai–Kanchanaburi Intercity Motorway Project

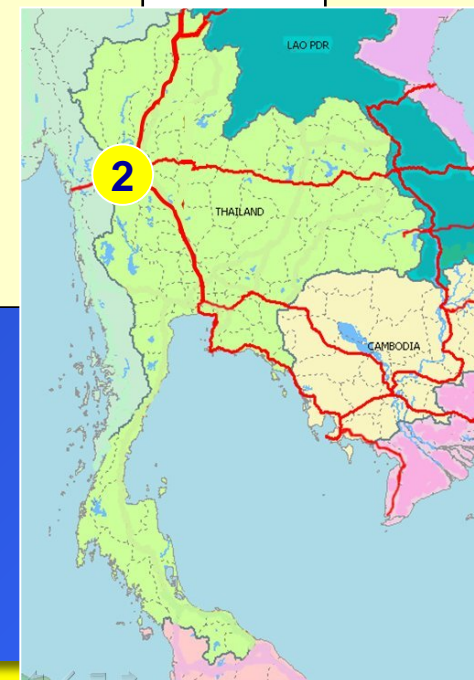


Photos: Department of Highways



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

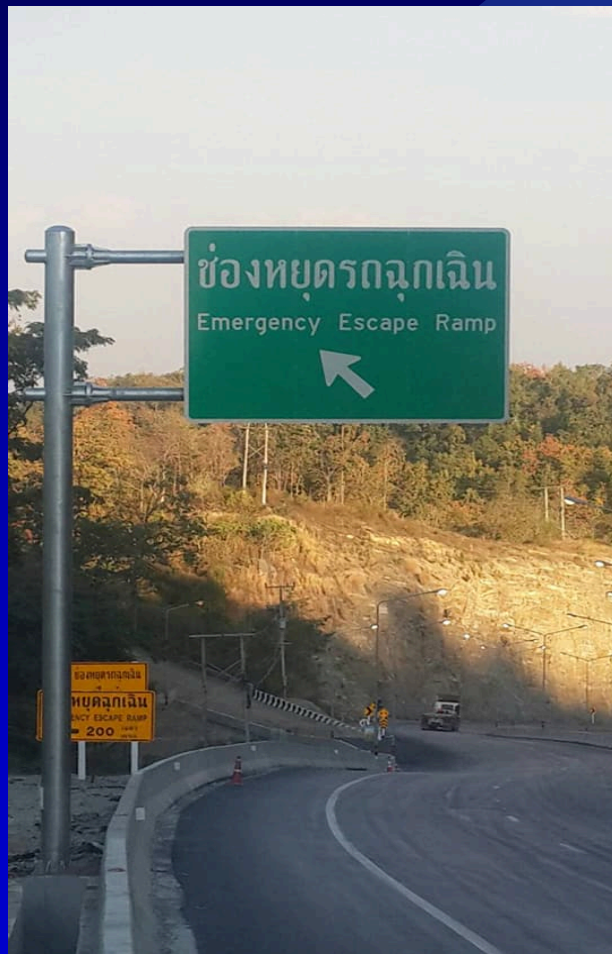
No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
2	Tak–Mae Sot Highway Improvement Project  (Roads and bridges)	The project will improve highway capacity on the EWEC in Thailand, specifically, the stretch of the corridor that connects with the Myanmar section at Myawaddy. It will upgrade the existing 86 km road from two to four lanes.	2008	100.0	Government of Thailand— 100.0	<ul style="list-style-type: none"> <li>- The first 59 km. construction has been completed.</li> <li>- The remaining of 27 km. is under construction with estimated 50% progress.</li> </ul>	EWEC	86 km. of road to be upgraded from two to four lanes.







# Tak-Mae Sot Highway Improvement Project

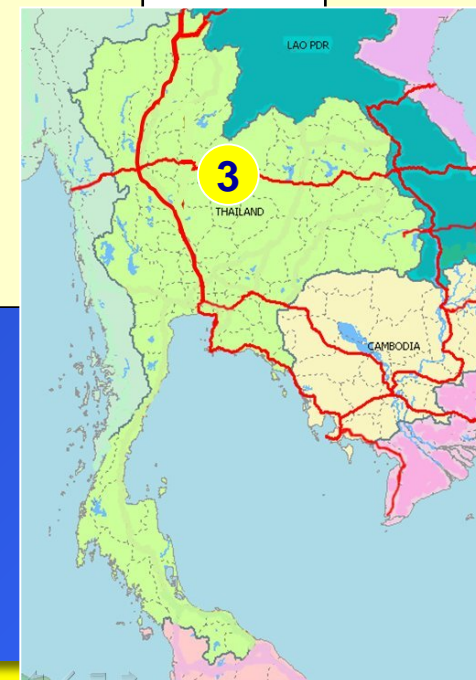


Photos: Department of Highways



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

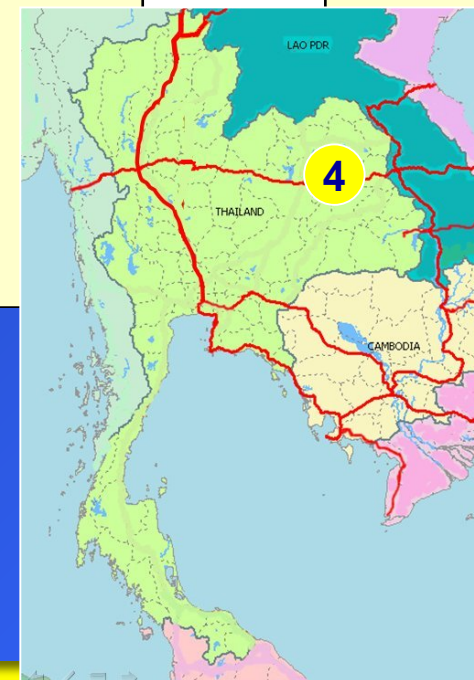
No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
3	Lomsak–Phetchabun Highway Improvement Project  (Roads and bridges)	The project will upgrade the existing 92 km road from two to four lanes. The government budgeted for 11 km in the fiscal year (FY) 2016. The upgrading of the remainder is envisaged in the next five-year plan.	2016	220	Government of Thailand— 220.0	-The first 11 km. is under construction with estimated 76% progress.  - The remaining of 81 is awaiting for approval.	EWEC	92 km. of road to be upgraded from two to four lanes.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

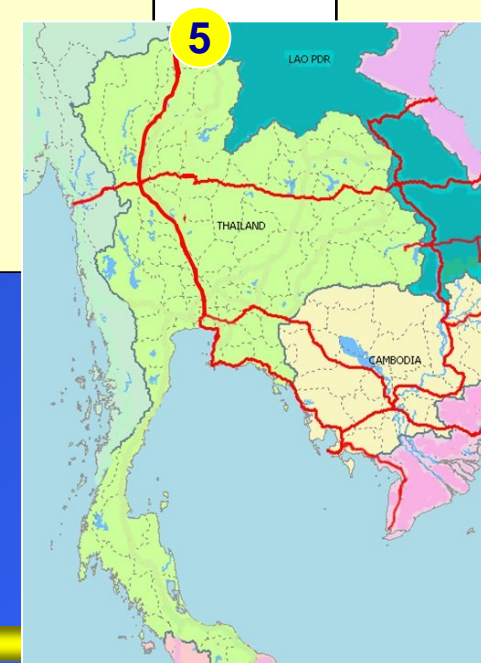
No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
4	Kalasin–Nakrai–Kamcha I Highway Improvement Project  (Roads and bridges)	The project will improve highway capacity of the EWEC in Thailand between Kalasin and Kamcha I. It will upgrade the existing 107.7 km road from two to four lanes.	2016	170.0	Government of Thailand— 170.0	<ul style="list-style-type: none"> <li>- The Kalasin–Nakrai (71.4 km.) section is under construction with estimated 34% progress.</li> <li>- The Nakrai–Kamcha I (36.3 km.) is under construction with estimated 12% progress.</li> </ul>	EWEC	107.7 km. of road to be upgraded from two to four lanes.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
5	Chiang Rai–Chiang Khong Highway Improvement Project  (Roads and bridges)	The project will improve highway capacity of the NSEC in Thailand. It will upgrade the existing 109 km road from two to four lanes.	2015	90.0	Government of Thailand— 90.0	<p>- The first 61 km. construction has been completed.</p> <p>- The new alignment road project 48 km. from Chiang Rai - Khun Tan is under construction with estimated 5% progress.</p>	NSEC	61 km. of road to be upgraded from two to four lanes and 48 km. will be constructed in the new alignment.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
6	Mae Sot–Myawaddy Border Crossing Project and Infrastructure Improvements  (Border-crossing facilities)	The project will build a new bypass road and bridge to the north of the existing border crossing, currently located in the congested centers of the two border cities, Mae Sot and Myawaddy. This new crossing will be dedicated to cross-border freight traffic, and will avoid the congested urban areas. The bypass will link with a newly envisioned special trade zone on the Myanmar side. The overall project will consist of about 21.4 km of new four-lane divided highway (16.745 km in Thailand, 3.895 km in Myanmar), a 760-meter-long bridge across the Moei River at the border, and associated border-crossing facilities(BCF).	2015	130.0	Government of Thailand— 130.0	<ul style="list-style-type: none"> <li>- The bridge part has been completed.</li> <li>- The road section in Thailand has been completed while the road in Myanmar is under construction with 62% progress.</li> <li>- The BCF is under construction with 35% progress in Thailand and 56% in Myanmar.</li> </ul>	EWEC	Cross border bridge with border-crossing facilities and 21.4 km. of 4-lane highway.





# Thailand - Myanmar Friendship Bridge 2 crossing Moei/Thaungyin River



The Final Casting Ceremony  
on 30 March 2017



Photos: Department of Highways



# Border-Crossing Facilities (under construction)

ADB

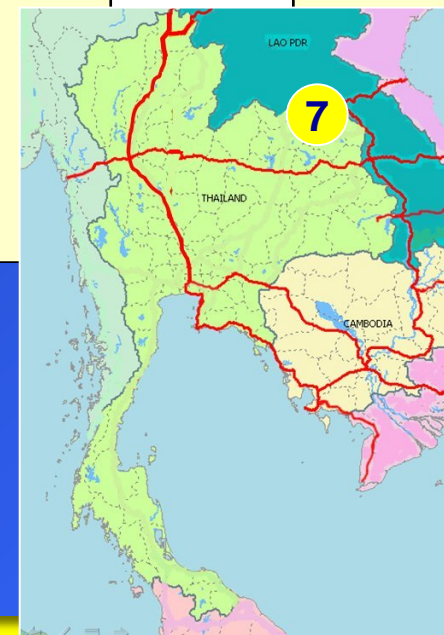


Photos: Department of Highways



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
7	Mekong Bridge at Bungkan– , Bolikhamxay (Thailand Part)  (Roads and bridges)	This bridge will connect Amphoe Muang, Bungkan Province (Thailand) and Muong Paksan, Bolikhamxay Province (Lao PDR). It will facilitate the transport of goods and passengers from northeastern Thailand to central Lao PDR and central Viet Nam via NR8.	TBD	80.0	TBD	- Detailed design has been completed.	-	16.18 km construction includes road and bridge.







# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
8	Laem Chabang Port Development Project, Phase 3—Feasibility Study  (Ports and waterways)	Projections of demand indicate that the total containers accommodated in Basin I and Basin II will exceed 10 million 20-foot equivalent units (TEUs) per year by 2018, while the maximum capacity of Basin I and Basin II together is approximately 11 million TEUs per year. Given these projections, the development of Basin III will be necessary to accommodate the increasing throughput and to strengthen the port's role as a gateway to the GMS. The proposed study will present technical and other options regarding the expansion of the port.	2018	3,000	PPP (Public Private Partnerships)	<ul style="list-style-type: none"> <li>- On June 4th 2018, the study report on environmental health impact assessment (EHIA) has been sent to National Environment Board for Consideration and, waiting for the approval for the project. And, it would pose no environmental for LCP phase 3 expansion construction.</li> <li>- The bidding for the private terminal operator of LCP phase 3 is set to take place in around Oct. 2018.</li> <li>- The Megaproject construction LCP phase 3 will be taking place in Feb.2019.</li> </ul>	Chonburi Province	The development of Basin III. We forecast the container will exceed 9.1 million TEUs within 2050, and LCP Phase III can accommodate to 10.2 million TEUs.





# Laem Chabang Port Development Project, Phase 3



Photo: Laem Chabang Port



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
9	Single Rail Transfer Operator Development Project of Laem Chabang Port  (Rail)	<p>Currently, approximately 88% of the transport from the Laem Chabang Port to the hinterland is via the road system, with the remainder by rail (9.5%) and inland waterway (2.5%). The proposed project will develop infrastructure and necessary facilities for serving the discharging and loading containers transported by rail to the port area. The project will facilitate rail transfer in response to the completion of the State Railway of Thailand's double-track construction project. It will increase the handling capacity of rail transport at the port from the current 500,000 TEUs/year to 1–2 million TEUs/year. The objective of the project is to increase the proportion of container traffic moved by rail from 9% of port throughput to 20%, in line with the government's policy of reducing logistics costs.</p>	2018	90.0	Port Authority of Thailand (PAT)	<p>- PAT has hired ITD-WH consortium, to construct the project and provide the lifting equipment. The duration of construction is expected to completed and will be ready for operation in 2018. Currently, the project is under construction</p>	Chonburi Province	<p>The handling capacity of rail transport at the port from the current 500,000 TEUs/year to 1–2 million TEUs/year .</p>





# Single Rail Transfer Operator Development Project of Laem Chabang Port

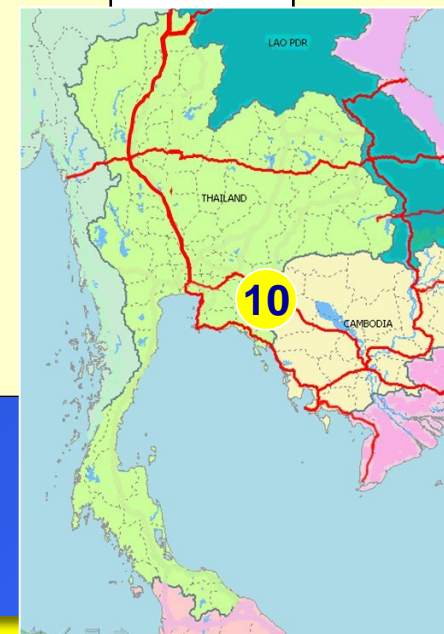


Photo: Laem Chabang Port



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
10	Aranyaprathet–Poipet New Road with Border-Crossing Facilities (Thailand part)  (Roads and bridges)	<p>Recent discussions at the Prime Minister’s office between representatives of Thailand and Cambodia have resulted in a general agreement regarding the location for a new Poipet–Aranyaprathet border crossing, this one specifically for freight traffic.</p> <p>Passenger traffic will continue to use the existing border crossing. The construction of Thailand’s part of this new facility will consist of a 4.7km bypass road and a bridge over the Prom Hrod Canal.</p>	2015	30.0	Government of Thailand— 30	Ban Nong Ian- Stung Bot border crossing is under construction with estimated 50% progress.	SEC	4.7 km. bypass road and bridge.





# Aranyaprathet–Poipet New Road with Border-Crossing Facilities

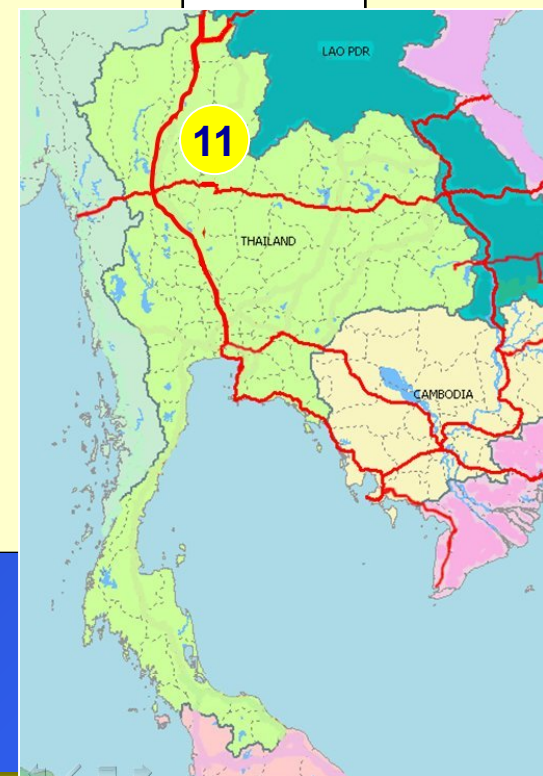


Photos: Department of Highways



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

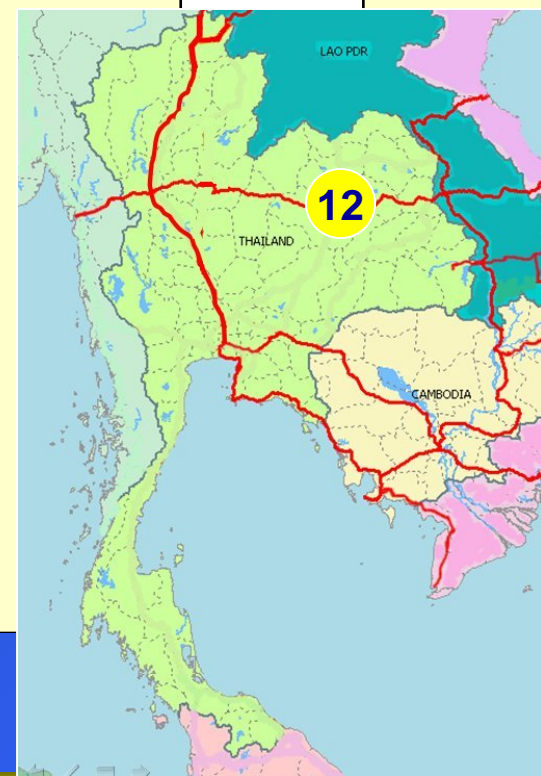
No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
11	Construction of a New Railway Line from Den Chai to Chiang Rai and Chiang Khong  (Rail)	The construction of this new doubling track from Den Chai to Chiang Rai will diminish the country's logistics costs and fuel imports; enhance speed, convenience, and safety; and support integration with neighboring transport systems, such as those in the Lao PDR and southern PRC. It will also benefit development, especially in the northern provinces, such as Phayao, Phare, and Chiang Rai, which will lead to the country's overall economic growth.	2018	2,278.8	Government of Thailand — 2,278.8	The F/S and detailed design already completed and wait for approved the project by the government.	NSEC	326 km.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
12	<p>The Construction of a New Railway Line from Baan Pai (KhonKaen) to Mahasarakham, Roi Et, Mukdahan, and Nakhon Phanom</p> <p>(Rail)</p>	<p>In 1989, the Government of Thailand decided to improve the nationwide rail network. One important network expansion was the Bua Yai– Mukdahan– Nakhon Phanom line on the GMS EWEC. Circumstances later resulted in the need for a feasibility study on the construction of a new railway line that would be integrated into the EWEC. This new, updated study was significant because it represented one of the milestones of rail infrastructure expansion in the EWEC. The study showed that this proposed route should be built as a doubling track on the new alignment for the Baan Pai (Khon Kaen)– Mahasarakham–Roi Et– Mukdahan–Nakhon Phanom line. For the time being, the State Railway of Thailand is carrying out a detailed design study on the new route alignment, which will be able to link with the Thai–Lao Friendship Bridge No. 2, in Mukdahan, and the Thai– Lao Friendship Bridge No.3, in Nakhon Phanom.</p>	2018	1,708.9	Government of Thailand — 1,708.9	The F/S and detailed design already completed and wait for approved the project by the government.	EWEC	355 km.







# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
13	Coastal Terminal Development Project of Laem Chabang Port  (Ports and waterways)	This project will reduce the logistics costs for exporters, importers, and logistics providers. The coastal terminal will serve domestic waterway transport through Laem Chabang Port.	2018	58.5	Port Authority of Thailand (PAT)	<p>- Nawarat Patanakarn Public Company is the company which is responsible for construction the project. It has been hiring by PAT. The investment budget totaled 1,846.19 million THB.</p> <p>- PAT will invest in necessary infrastructure, including all key lifting equipment and oversee management.</p> <p>- The construction was completed. The operation will be tipped to perform by this year.</p>	Chonburi Province	The capacity of coastal terminal is 300,000 TEUs/year.





# Coastal Terminal Development Project of Laem Chabang Port

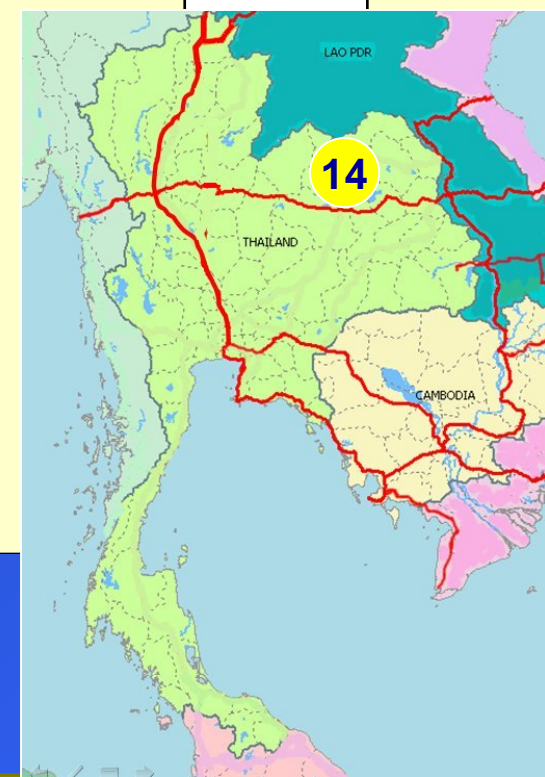


Photo: Laem Chabang Port



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
14	GMS Highway Expansion Phase 2 Project  (Roads and bridges)	The proposed project will (i) upgrade about 125 km. of a national highway in northeastern Thailand from a two-lane to a four-lane carriageway, and (ii) strengthen capacity in road safety management by introducing road safety audits and awareness training for the executing agency during project implementation.  The project consists of (i) A. Nong Han-A. Pang Khon (ii) Sakon Nakhon-Nakhon Phanom (iii) Roi Et – Yasothon	2018	213.6	ADB—99.4  Government of Thailand— 114.2	The project is in bidding evaluation process.	-	125 km. of road to be upgraded from two to four lanes.





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
15	National Railway Improvement  (Rail)	The proposed project will upgrade 2,476 km of a railway in Thailand from a single track to double track and eliminate all at-grade level crossing.	2019	12,192.3	Government of Thailand— 12,192.3	<ul style="list-style-type: none"> <li>- The first section of 993 km. is under construction.</li> <li>- The second section of 1,483 km. is wait for approved the project by the government.</li> </ul>	NSEC EWEC	2,476 km. of double track railways



# TABLE A- II. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
1	Study on Dry Port Development Plan along International Railway Lines Connecting Thailand with Cambodia, the Lao PDR, and Myanmar  (Cambodia, Lao PDR, Myanmar, Thailand)	Thailand aims to develop Laem Chabang Port as a gateway to neighboring countries in the GMS, and to promote a modal shift from road to rail transport. Among the cross-border railway projects that are being emphasized by the GMS countries governments are: the Nong Khai–Thanaleng–Vientiane line, to connect with the Lao PDR; the Aranyaprathet–Klong Luk–Poipet line, to connect with Cambodia; and the Kanchanaburi– Dawei line, to connect with Myanmar.	2018	0.5	Seeking financing	Thailand already hired the consultant to study the project. The study will complete in the end of year 2018.	NSEC EWEC SEC	2,476 km. of double track railways



# Thank You

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# **GMS Regional Investment Framework (RIF) 2022 Progress Report**

## **Transport Sector VIET NAM**

June 2018

Reported at the 22<sup>nd</sup> Meeting of the  
GMS Subregional Transport Forum (STF-22)  
21–22 June 2018, Mandalay, Myanmar



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	GMS Ben Luc–Long Thanh Expressway (Stage 2)	The project will construct a 57.1 km expressway between Ben Luc and Long Thanh, south of Ho Chi Minh City (HCMC). This is a section of the GMS Southern Economic Corridor (SEC).	2013	41,201.9	xxxxx	JICA part: J2 Package is completed; J1, J3 to be completed in 2019. ADB part: Total Progress 60%.	Southern Economic Corridor	57.1 km expressway between Ben Luc and Long Thanh (connecting to Cai Mep – Thi Vai Seaport)
2	GMS Ha Noi–Lang Son Expressway	<ul style="list-style-type: none"> <li>This project will construct a 156.6 km expressway between Ha Noi and Huu Nghi, in Lang Son Province, on the border with the PRC's Guangxi Zhuang Autonomous Region.</li> </ul>			Private Investors	<p>Phasing into 2 BOT (Building – Operate – Transfer) Project:</p> <ul style="list-style-type: none"> <li>- Ha Noi – Bac Giang: Completed in 2016 under BOT scheme.</li> <li>- Bac Giang – Lang Son (including Chi Lang – Huu Nghi Border Gate): Under construction, expecting to be completed by Dec 2019. Change the Management Authority from MOT to Lang Son People Committee</li> <li>- Lang Son – Huu Nghi Border Gate: Expecting to be completed by 2020.</li> </ul>	SEC	<ul style="list-style-type: none"> <li>- Ha Noi – Bac Giang: 45 km of expressway</li> <li>- Bac Giang – Lang Son: 64 km of expressway</li> <li>- Chi Lang – Huu Nghi Border Gate: 43 km of expressway</li> </ul>





# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
3	Second GMS Southern Coastal Corridor (also known as SSCP2)	The project will (i) construct the remaining 84 km (between Ha Tien and Rach Gia) of National Route 80, or Quoc Lo 80 (QL80), in Viet Nam; and (ii) upgrade the border-crossing facilities at Ha Tien (formerly Xa Xia) and streamline the procedures there—all via additional financing. In line with one of the strategies of the GMS Strategic Framework (2012–2022), the project is a precondition for promoting broader economic corridor development. It will also facilitate Viet Nam’s plans for implementing the Association of Southeast	TBD	373.0	ADB – 370 (in which design & supervi: 16, construction 354)	<p>Progress:</p> <ul style="list-style-type: none"> <li>- Approval of Project Proposal: 2018</li> <li>- Approval of Project Investment: 2018</li> <li>- Selection of Technical Consultant: 2018</li> <li>- Approval of Technical Design: 2018 – 2019</li> <li>- Procedure on Loan Agreement for Construction Packages</li> <li>- Implementation: 2020 - 2023</li> </ul>		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
4	Second Northern GMS Transport Network Improvement (Luang Prabang–Thanh Hoa)	<p>This project aims to provide more efficient transport across the Lao PDR–Viet Nam border, as well as on the project road sections of the GMS northeastern corridor through the provinces of Thanh Hoa, in northern Viet Nam, and Houaphanh, in northeastern Lao PDR. It includes two components:</p> <ul style="list-style-type: none"> <li>(i) an upgrade to all-- Upgrade 45 km of National Highway No. 2017 from Cam Thuy to Ba Thuoc</li> <li>- Construction of new Ha Trung Flyover- Upgrade 45 km of National Highway No. 2017 from Cam Thuy to Ba Thuoc</li> <li>- Construction of new Ha Trung Flyoverweather status of 196 km of Highway 217 in Viet Nam and of 143 km of routes 6,</li> </ul>	2015	77.852 (phase II)	ADB – 71.13; Government of Viet Nam 6.7	<ul style="list-style-type: none"> <li>- Started by September 2017</li> <li>- To be completed by 31 Dec 2019</li> </ul>		<ul style="list-style-type: none"> <li>- Upgrade 45 km of National Highway No. 2017 from Cam Thuy to Ba Thuoc</li> <li>- Construction of new Ha Trung Flyover</li> </ul>



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
5	GMS Corridor Connectivity Enhancement Project	The project aims to improve the international and national transport connectivity of underdeveloped provinces in Viet Nam by improving access to the GMS North-South Economic Corridor (NSEC). The Northern Mountains Connectivity Project, submitted by Viet Nam for inclusion in Regional Investment Framework 2022, is covered by this proposed project.	2018	180.0	ADB—120.0 Government of Viet Nam—60.0	New Proposed Project – No Information		
6	Central Region Connectivity Enhancement Project	National Highway 14D, submitted by Viet Nam for inclusion in Regional Investment Framework 2022, is covered by this proposed project.	2019	136.97	ADB – 116.32; Government of Viet Nam 20.65	- Consultation on environment protection from international organizations (WWF, IUCN...) - Earliest time to access ADB's OCR fund by 2019	East – West Economic Corridor	Upgrading of National Highway No. 14D



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
7	Central Mekong Delta Connectivity	This investment project will improve connectivity between Viet Nam and the rest of the Mekong Delta region, and provide better access to the southern coastal region from HCMC by building two cable-stayed bridges across the Mekong River, and building associated roads.	2013	860.0	ADB—410.0 Government of Australia—134.0 Korea Export-Import Bank—260.0 Government of Viet Nam—56.0	- Cao Lanh Bridge and Vam Cong – Cao Lanh connecting route were opened on 27 May 2018 - Vam Cong Bridge Technical Issues: To be fully fixed by end of 2018.	Southern Economic Corridor	New Bridges and connecting roads in central Mekong Delta Area
8	GMS GMS Kunming–Haiphong Transport Corridor—Noi Bai– Lao Cai Highway (additional financing))	Ha Noi – Lao Cai Expressway	2014	182.0	ADB—147.0 Government of Viet Nam—35.0	Newly construct 2 more additional lanes of 25 km from Yen Bai to Lao Cai and upgrading of current safety system		25 km of additional 2 lanes expressway



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/ Planned Measurable Outputs
9	GMS Road Corridors Maintenance	The project will undertake frequent and periodic maintenance for selected GMS corridor sections. It will have two components: (i) maintenance of road sections, and (ii) construction of five or six weigh stations on selected road sections. (The project aims to undertake the GMS corridor's network maintenance and GMS road asset management.	2018	120.0	TBD			
10	Ho Chi Minh City–Loc Ninh (Cambodia Border) Railway	HCMC–Phnom Penh route (via Loc Ninh) is part of the Singapore–Kunming Rail Link (SKRL). The project will construct a new railway section of 128 km from HCMC to Loc Ninh.	2020	900.0	TBD	The feasibility study have been finalized in 2012 and Viet Nam has been seeking investors/funding, calling foreign partners (whether governmental loan or private investment) to construct this missing link section. Despite that, we still hope to execute its construction in the period		



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
11	Ben Luc–Long Thanh Expressway (Ring Road 0.3 Ho Chi Minh City)	The project aims to contribute to the socioeconomic development of the Southern Economic Region, exploiting the economic development of, and attracting investment and tourism to, HCMC. It also aims to reduce the pressure on and congestion of Highway 1.	2019	733.7	ADB—342.0 Cofinancing (TBD)—361.7 Government of Viet Nam— 30.0	New Project. The Technical Assistance on surveying and F/S for National Highway No. 22 – Binh Chuan and Ben Luc – National Highway No. 22.	<ul style="list-style-type: none"> <li>Southern Economic Corridor</li> </ul>	
12	Viet Nam: Lao Cai–Hekou (15 4,7km) PRC: Hekou–Lao Cai (249 km 03km)	The proposal is for standard gauge route between the PRC and Viet Nam rail systems, via GMS Rail Link 9: Kunming–Ha Noi–HCMC–Phnom Penh–Bangkok (SKRL main line). ADB will only finance it if a standard gauge link is provided as the connection. A	TBD	33.6	ADB			



# TABLE A- I. INVESTMENT PROJECTS in Original RIF 2022 List (continued)

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
13	Vientiane–Thakhek–Mu Gia Railway Project (450 km) Mu Gia-Vung Ang (F/S completion expected in 2017) 119 km	The project covers a portion of the spur line of the SKRL. This spur line will connect the Thai railway network to the Vietnamese railway network. The Republic of Korea has given assistance with a pre-feasibility study.	2018	5,062 (Viet Nam section 1,587\$ million)	TBD	Viet Nam has been seeking investors/funding, calling foreign partners (whether governmental loan or private investment) to construct this missing link section.		



# TABLE A- II. TECHNICAL ASSISTANCE PROJECTS in Original RIF 2022 List

No.	Project Title	Description	Year of Approval	Latest Cost Estimate (\$ million)	Latest Potential Funding Source and Amount (\$ million)	Status Updates	Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
1	GMS Corridor Enhancement Project (formerly Project Preparatory Technical Assistance for National Highway 14D Improvement)	The technical assistance (TA) will prepare a project to improve the national and international transport connectivity of underdeveloped provinces in Viet Nam by improving access to GMS corridors. The project comprises (i) improving National Highway 14D (NH14D) in Quang Nam Province, and three National Highways (NH32, N279 and upgraded PR175) in Yen Bai Province, Lai Chau Province and Lao Cai Province; and (ii) supporting the Department of Road Viet Nam (DRVN) in road asset management.	2016	1.8	ADB—636.0 JICA— 517.6 Government of Viet Nam—48.3	Completed. Prepare for calling investment		
2	Proposed Hoa Lac–Hoa Binh City Expressway Public–Private Partnership	The Lang–Hoa Lac–Hoa Binh Expressway is one of the seven expressways connecting to Hanoi. The Lang–Hoa	1.0		Approx 150 million	Under construction for BOT scheme (construction of Hoa Lac – Hoa Binh Expressway 25.7 km		





# TABLE B. PROPOSED NEW PROJECTS For Inclusion in RIF 2022

No.	Project Title	Description	Year of Approval	Cost Estimate (\$ million)	Potential Funding Source and Amount (\$ million)	Justifications		Key locations and GMS Economic Corridor Alignment	Expected/Planned Measurable Outputs
						(a) Strategic thrust/operational priority in HAP and or TrSS supported (Refer to Annex I)	(b) Other Justifications		
1	Technical assistance to complete the draft Framework Agreement for Cross-Border Railway Transport Connectivity in the GMS	The draft Framework Agreement currently only draft the Main Text, which has many references to the Protocols, the Annexes (from Article 6 to Article 30). According to ADB Consultants, these documents will be developed later. To ensure the consistency and feasibility of the Framework Agreement, recommendations ADB should continue to support research and develop draft the Protocols and the Annexes.	2020			Proposed by MOT of Viet Nam			
2	GMS Road Corridors Maintenance (All GMS countries)Corridors	The TA will provide institutional and operational strengthening of GMS road maintenance and road asset maintenance				Proposed by MOT of Viet Nam to ADB to undertake a survey on the need for road maintenance and road asset management on GMS corridors.			



# Thank You

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