



**Asia-Pacific
Economic Cooperation**

Connectivity Map

APEC Transportation Working Group

October 2015

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1. Introduction

1-1. Connectivity Map in TMM8 Joint Ministers Statement

Asia Pacific Economic Cooperation (APEC) has been improving transportation systems to facilitate the flow of goods, people, services and capital in the region, APEC has also been enhancing its works on connectivity in the areas of aviation, maritime, cruise industry, logistics, intercity and urban transport, intelligent transportation systems and intermodal networks based on regional targets of economic integration within Association of South - East Asian Nations (ASEAN) by 2015 and achievement of the Bogor Goals by 2020. In the 22nd APEC Economic Leaders' Declaration, it was recognized that strengthening comprehensive connectivity and infrastructure development will help open up new sources of economic growth in the region. All economies have been carrying out actions for strengthening physical and institutional connectivity under the "APEC Connectivity Blueprint for 2015-2025".

Mindful of these policies, the 8th Transportation Ministers Meeting (TMM8) held in Tokyo on 5 September 2013 instructed the APEC Transportation Working Group (TPTWG) to develop a transportation "Connectivity Map." TMM8 Joint Ministers' Statement (JMS) describes that we instruct the TPTWG to develop a transportation "Connectivity Map" that will visualize our ideal of physical and institutional integration to be reached by the year 2020, and to report on it at the next Ministerial Meeting. Other descriptions on strengthening connectivity as follows are included in TMM8 JMS.

1) We remain committed to improving transportation systems to ease the flow of goods, people, services, and capital in the APEC region, and we direct the TPTWG to continue to enhance its work on connectivity including in the areas of aviation, maritime, cruise industry, logistics, intercity and urban transport, intelligent transportation systems, and intermodal networks.

2) We welcome the efforts of economies to implement the transport elements of the Supply Chain Connectivity Framework Action Plan.

3) We also support this year's initiative to establish a unifying, forward-looking, and ambitious APEC Framework on Connectivity and its three pillars - physical connectivity, institutional connectivity, and people-to-people connectivity - in order to strengthen regional economic integration, contribute to economic growth and enhance trade.

4) With these principles, as presented in the APEC Framework on Connectivity, maritime trade can connect major Asia-Pacific centers in an efficient, resilient, secure and economically viable manner.

5) In this regard, we take note of this year's proposal to develop a coordinated approach to promoting development, investment, and financing of well-designed, sustainable and resilient infrastructure within and between our economies through the creation of a multi-year plan to improve physical connectivity in Asia-Pacific.

APEC Connectivity Map is expected to contribute directly or indirectly to strengthening these connectivity.

Following the TMM8, Japan, as a proposing economy, proposed a method and timeline of this project at the TPTWG40 in Hong Kong. In the proposal, Japan explained that the objective of the project is to share a map that visualizes the future image to be achieved by 2020 and promote connectivity within the APEC region. It is essential in implementation of the project to collect information on projects for developing physical and institutional integration in all transport modes. Japan also proposed to conduct survey to find appropriate projects in existing research materials, site visits to economies and questionnaire survey for collecting information from economies. Information on project name, organization, place, period, total cost, funding source, contents of the project (transport mode, project descriptions, etc.) and effects of the project on connectivity have been provided through these surveys.

After TPTWG40 adopted this proposal, questionnaire survey, hearing and field survey have been conducted for the TMM8 Follow-up Projects including the APEC “Connectivity Map.” In TPTWG41 held in Jeju, Korea, the information collected through these surveys was circulated for checking by respective economies.

We, Japan, would like to take this opportunity to express our sincere appreciation for all economies’ acceptance and cooperation to this survey.

1-2. “Connectivity in 2020” shown in the map

This “Connectivity Map” is expected to be a very helpful tool for achieving the goal on strengthening connectivity. It shows the future transport network of the region. It is also useful to the private sector for considering investment in the region.

Through these existing research materials survey, questionnaire survey, hearing and field survey, information of 579 projects, which are recognized to be transport projects of APEC economies that strengthen connectivity, has been submitted from respective economies.

Unfortunately, information on some projects is not included because they have not been officially approved by their governments. Consequently, not all projects to be concluded until 2020 are displayed on the map, but future status on transportation connectivity in the region can be seen at a glance. The Map shows that connectivity will be improved in the ASEAN region. For example connectivity will be developed in Mekong region during the next 5 years. This region is expected to be more attractive for industrial investment. In parallel with the progress of institutional harmonization on cross border transportation, economic competitiveness should be developed in the ASEAN region. The map also shows new possibilities of land bridges and multimodal transit hubs in the region.

On the other hand, it does not provide a detailed future status on maritime connectivity due to less information on maritime transportation. Projects for improving and developing port facilities are displayed in the map. However, the sea routes which connect such port facilities (maritime connectivity) cannot be grasped under this survey. A further study may be necessary to identify future preferable maritime connectivity based on the outcome of this project

The map also points out financial challenges of how to bear huge expenditure and investment of these transport projects. Although shortage of public funds is a common issue all over the world, the APEC region especially need to seek for other sources of funds in order to meet the growing demand for transport infrastructure. It is necessary for the region to tackle the challenge of how to successfully manage Public-Private Partnership for the projects identified on this Connectivity Map.

1-3. The Connectivity Map by using Geographical Information System

In cooperation with all economies, in particular the co-sponsoring economy, Thailand, many projects information have been collected through the survey since TPTWG 40 was held in Hong Kong. All the information collected was implanted into the Connectivity Map as digital data of Geographical Information System (GIS). When APEC economies' officers click on the project, they can obtain information including the project name and budget which pops up. They can zoom up the map in accordance with their preference. It can be used by APEC economies' officers for updating information in the future, since updating information is very useful in following up and assessing progress of projects indicated on the map. This is another reason why the "Connectivity Map" is expected to be a very useful tool for achieving the goal on strengthening connectivity.

1-4. Categories of the projects on the Connectivity Map

The digital data of the Connectivity Map is composed of the following 4 contents.

The data is pops up as soon as the PC's mouse is held over the icon of the project on the map and clicked. The top layer is "Projects", the next is "Existing", "Economic Corridors", and the bottom layer is "Background". The details of the layers are as below.

Projects	<ul style="list-style-type: none"> • The data of projects (road, railway, seaport, airport, and dry port project), which are collected through questionnaires from economies. • The data is shown on the map when the scale is larger than 1:15,000,000 for the map visibility.
Existing	<ul style="list-style-type: none"> • The data of road, railway, and airport. (Source: Data and Maps for ArcGIS2013, Esri). Note that source of the data of road in Japan is MLIT. • The data is shown on the map when the scale is smaller than 1:100,000 for the map visibility.
Economic Corridors	<ul style="list-style-type: none"> • The data of Economic Corridor, the Singapore - Kunming Rail Link (Source: Asian Development Bank (ADB))
Background	<ul style="list-style-type: none"> • The data of Country Areas, National Capitals, and Cities (Source: Data and Maps for ArcGIS2013, Esri).

In the layer of "Projects", the projects are classified into the following 3 statuses.

Ongoing	<ul style="list-style-type: none"> • The projects of existing major transportation infrastructure which is not shown on the questionnaire map. 	
Toward 2020	Upgrading	<ul style="list-style-type: none"> • The projects of future major transportation infrastructure toward 2020, which include upgrading, extension etc.
	New Construction	<ul style="list-style-type: none"> • The projects of future major transportation infrastructure toward 2020, which are solely new construction projects.

1-5. The Connectivity Map is reported to TMM9

With a lot of efforts and cooperation from all APEC economies, the outcome of APEC Connectivity Map is reported to APEC Transport Ministers Meeting held in Cebu, the Philippines. The map and project information are uploaded on CD-ROM distributed in the Cebu meeting.

We, Japan, would like to express sincere appreciations to all APEC economies. Lastly we hope this outcome will be helpful for developing transport connectivity in APEC region.

2. Connectivity Maps and Project Sheets

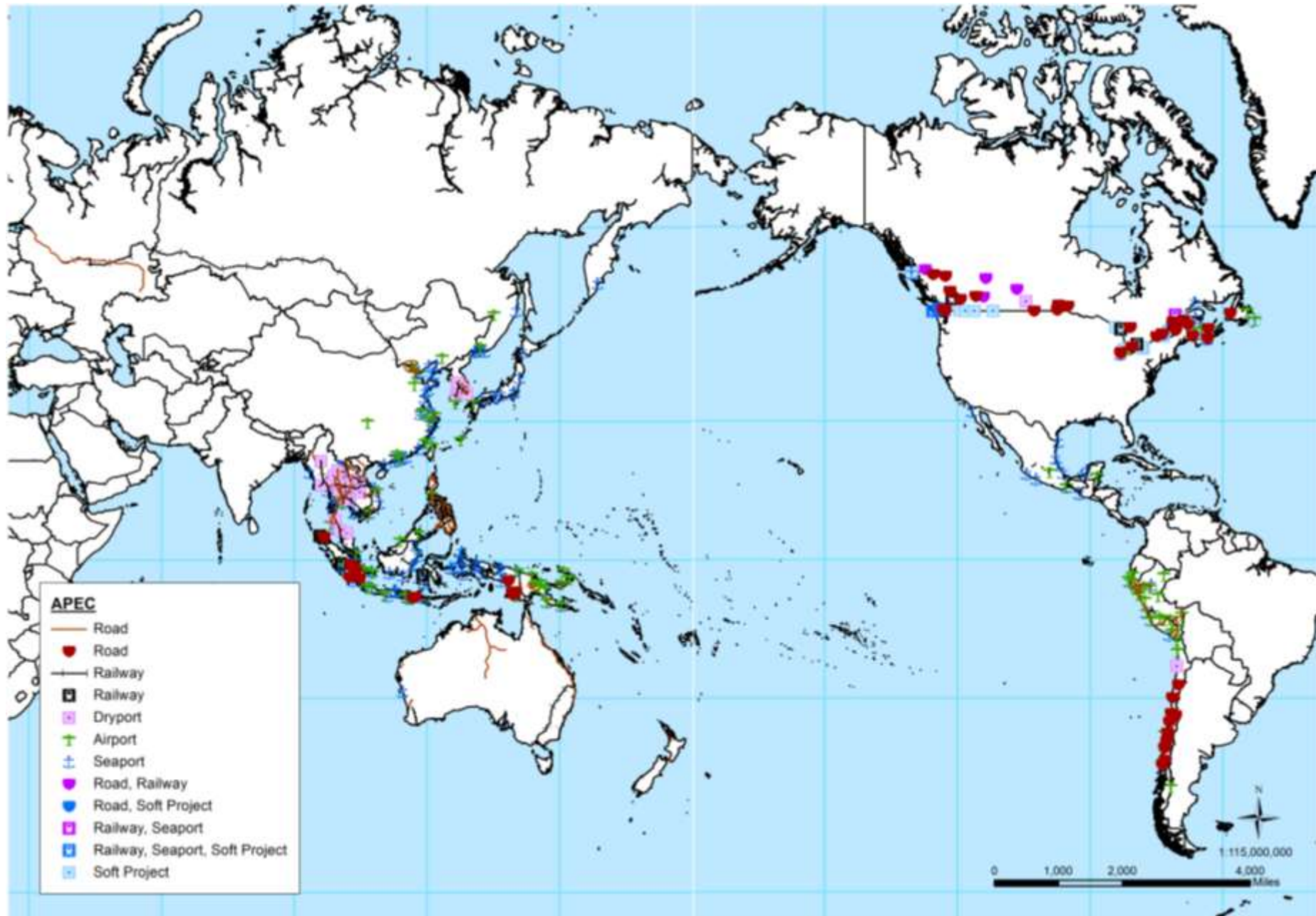
2-1. Number of projects on the Connectivity Map

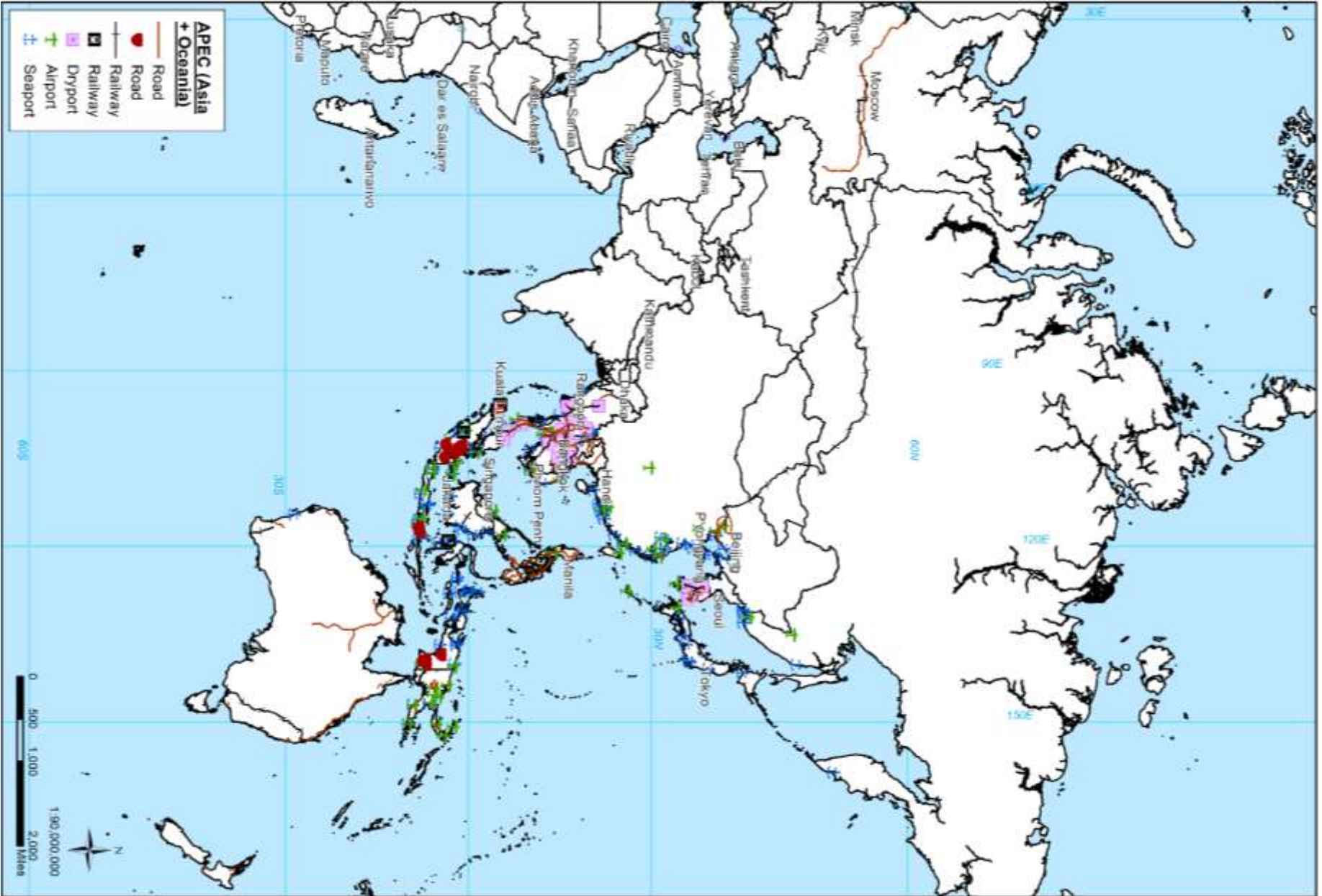
The number of projects, which are recognized to be transport projects to strengthen connectivity by respective economies, is as below.

Figure: The number of projects by economy

Economy	The number of projects	Transportation mode				
		Land (road)	Land (rail)	Maritime	Air	Soft Project
Australia	52	42	8	1	0	1
Brunei	0	0	0	0	0	0
Canada	114	54	11	14	8	27
Chile	20	15	0	0	5	0
China	48	14	0	24	10	0
Hong Kong, China	3	1	1	0	1	0
Indonesia	67	14	4	37	12	0
Japan	17	2	5	8	2	0
Korea	33	28	3	0	2	0
Malaysia	6	0	4	0	2	0
Mexico	19	0	5	11	3	0
New Zealand	9	7	1	0	0	1
Papua New Guinea	36	23	0	3	10	0
Peru	53	16	10	7	20	0
The Philippines	12	7	4	0	1	0
The Russian Federation	17	3	3	9	2	0
Singapore	18	2	7	6	2	1
Chinese Taipei	4	2	0	0	2	0
Thailand	32	10	11	5	6	0
The United States	0	0	0	0	0	0
Viet Nam	19	12	2	3	2	0
Total	579	199	69	114	82	30

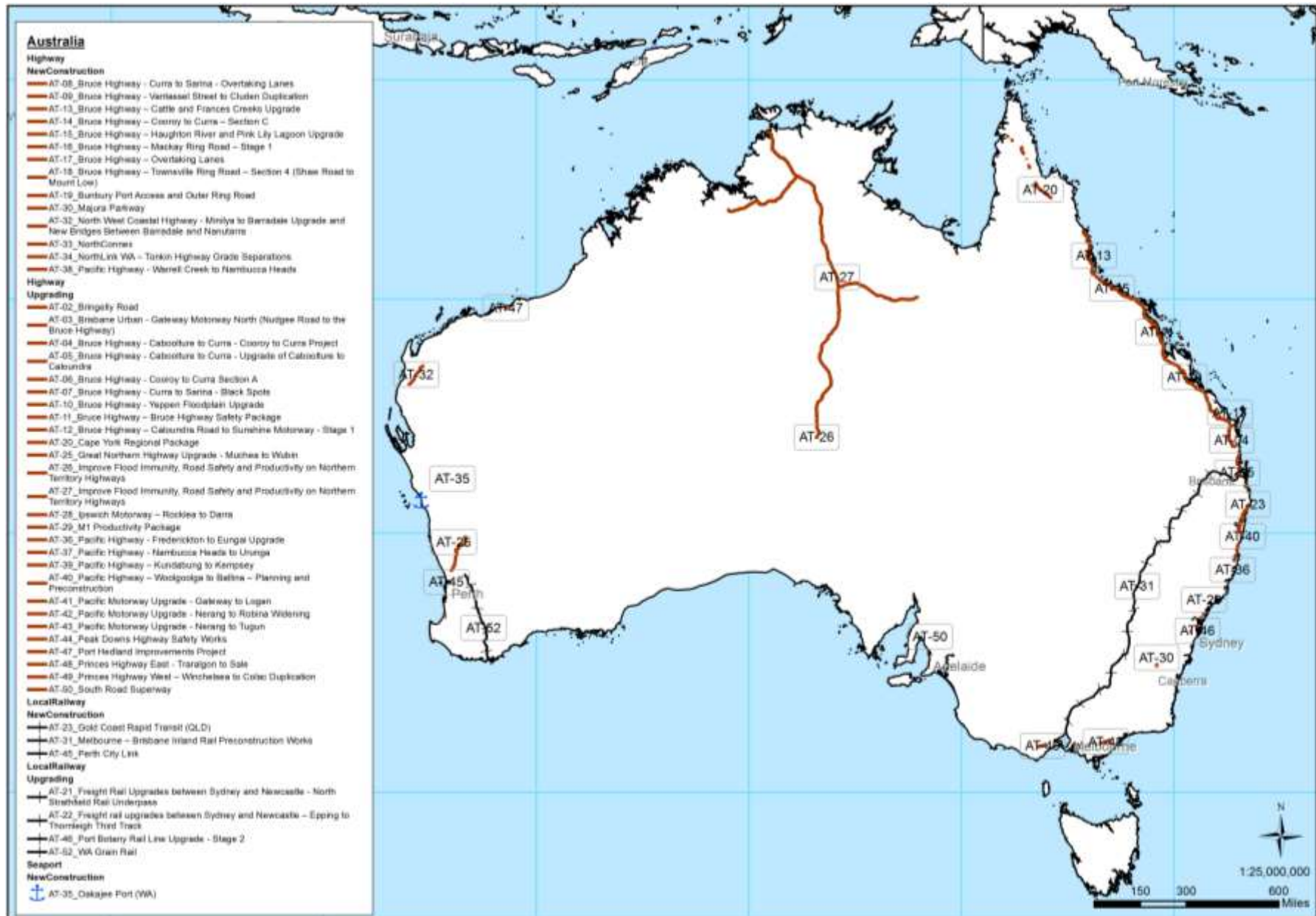
2-2. APEC Economy





2-3. Australia

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
AT-01	Australia	Key Freight Route Maps	x	2014 - Ongoing	Within existing resources	Department Funds	Soft Project	-	-
AT-02	Australia	Bringelly Road	O	20 January 2015 - Late 2018	\$509,000,000	The Australian Government the NSW Government	Road	Upgrading	Highway
AT-03	Australia	Brisbane Urban - Gateway Motorway North (Nudgee Road to the Bruce Highway)	O	2009 - Late 2014	\$125,000,000	Australian Government	Road	Upgrading	Highway
AT-04	Australia	Bruce Highway - Caboolture to Curra - Cooroy to Curra Project	O	2009 - Early 2016	\$200,000,000	The Australian Government	Road	Upgrading	Highway
AT-05	Australia	Bruce Highway - Caboolture to Curra - Upgrade of Caboolture to Caloundra	O	June 2013 - September 2015	\$195,000,000	The Australian Government	Road	Upgrading	Highway
AT-06	Australia	Bruce Highway - Cooroy to Curra Section A	O	2013 - Late 2016	\$490,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-07	Australia	Bruce Highway - Curra to Sarina - Black Spots	O	November 2009 - 2015	\$114,600,000	The Australian Government	Road	Upgrading	Highway
AT-08	Australia	Bruce Highway - Curra to Sarina - Overtaking Lanes	O	2011 - 2015	\$107,200,000	The Australian Government	Road	NewConstruction	Highway
AT-09	Australia	Bruce Highway - Vantassel Street to Cluden Duplication	O	September 2013 - 2015	\$137,500,000	The Australian Government etc	Road	NewConstruction	Highway
AT-10	Australia	Bruce Highway - Yeppen Floodplain Upgrade	O	Late 2013 - Early 2016	\$170,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-11	Australia	Bruce Highway – Bruce Highway Safety Package	O	January 2015 - Mid 2023	\$400,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-12	Australia	Bruce Highway – Caloundra Road to Sunshine Motorway - Stage 1	O	-	\$341,000,000	The Australian Government etc	Road	Upgrading	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
AT-13	Australia	Bruce Highway – Cattle and Frances Creeks Upgrade	O	01 Jul 2017 - 30 Jun 2019	\$174,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-14	Australia	Bruce Highway – Cooroy to Curra – Section C	O	Mid 2015 - 2018	\$624,250,000	The Australian Government etc	Road	NewConstruction	Highway
AT-15	Australia	Bruce Highway – Haughton River and Pink Lily Lagoon Upgrade	O	mid 2019 - post 2021	\$515,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-16	Australia	Bruce Highway – Mackay Ring Road – Stage 1	O	2017 - 2019	\$565,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-17	Australia	Bruce Highway – Overtaking Lanes	O	February 2014 - 2022	\$275,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-18	Australia	Bruce Highway – Townsville Ring Road – Section 4 (Shaw Road to Mount Low)	O	January 2015 - 2017	\$200,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-19	Australia	Bunbury Port Access and Outer Ring Road	O	January 2009 - July 2014	\$154,570,000	The Australian Government etc	Road	NewConstruction	Highway
AT-20	Australia	Cape York Regional Package	O	July 2014 - 2019	\$260,500,000	The Australian Government etc	Road	Upgrading	Highway
AT-21	Australia	Freight Rail Upgrades between Sydney and Newcastle - North Strathfield Rail Underpass	O	February 2012 - June 2015	\$403,200,000	The Australian Government etc	Railway	Upgrading	LocalRailway
AT-22	Australia	Freight rail upgrades between Sydney and Newcastle – Epping to Thornleigh Third Track	O	March 2012 - June 2016	\$477,400,000	The Australian Government etc	Railway	Upgrading	LocalRailway
AT-23	Australia	Gold Coast Rapid Transit (QLD)	O	July 2010 - July 2014	\$1,296,000,000	The Australian Government The Queensland Government the Gold Coast City Council	Railway	NewConstruction	LocalRailway
AT-24	Australia	Goodwood and Torrens Junctions	O	January 2013 - late 2016	\$443,100,000	The Australian Government etc	Railway	NewConstruction	LocalRailway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
AT-25	Australia	Great Northern Highway Upgrade - Muchea to Wubin	O	July 2014 - 2018/19	\$384,750,000	The Australian Government etc	Road	Upgrading	Highway
AT-26	Australia	Improve Flood Immunity, Road Safety and Productivity on Northern Territory Highways	O	Early 2010 - 2014	\$160,000,000	The Australian Government	Road	Upgrading	Highway
AT-27	Australia	Improve Flood Immunity, Road Safety and Productivity on Northern Territory Highways	O	Early 2010 - 2015	\$160,000,000	The Australian Government	Road	Upgrading	Highway
AT-28	Australia	Ipswich Motorway – Rocklea to Darra	O	TBD - TBD	\$558,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-29	Australia	M1 Productivity Package	O	Late 2016 - Late 2019	\$392,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-30	Australia	Majura Parkway	O	February 2013 - Mid 2016	\$288,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-31	Australia	Melbourne – Brisbane Inland Rail Preconstruction Works	O	-	\$300,000,000	The Australian Government	Railway	NewConstruction	LocalRailway
AT-32	Australia	North West Coastal Highway - Minilya to Barradale Upgrade and New Bridges Between Barradale and Nanutarra	O	November 2014 - Early 2017	\$217,000,000	The Australian Government etc	Road	NewConstruction	Highway
AT-33	Australia	NorthConnex	O	5 February 2015 - Late 2019	\$2,965,000,000	The Australian Government The NSW Government	Road	NewConstruction	Highway
AT-34	Australia	NorthLink WA – Tonkin Highway Grade Separations	O	2016 - 2019	\$281,200,000	The Australian Government etc	Road	NewConstruction	Highway
AT-35	Australia	Oakajee Port (WA)	O	TBA - TBA	\$339,000,000	The Australian Government	Seaport	NewConstruction	-
AT-36	Australia	Pacific Highway - Frederickton to Eungai Upgrade	O	20 August 2013 - Late 2016	\$675,000,000	The Australian Government The NSW Government	Road	Upgrading	Highway

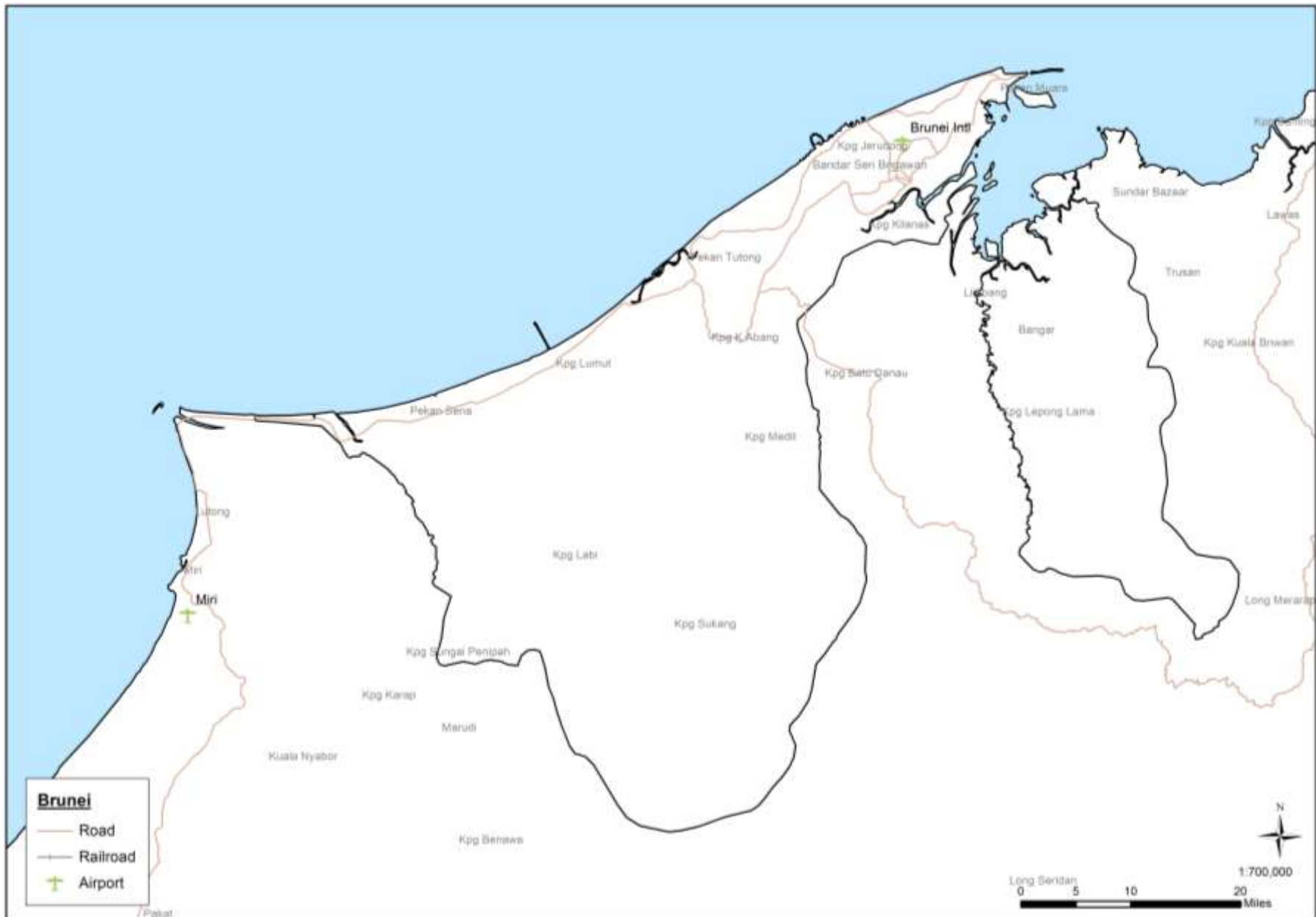
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
AT-37	Australia	Pacific Highway - Nambucca Heads to Urunga	O	29 November 2013 - Late 2016	\$780,000,000	The Australian Government The NSW Government	Road	Upgrading	Highway
AT-38	Australia	Pacific Highway - Warrell Creek to Nambucca Heads	O	17 December 2014 - Late 2017	\$830,000,000	The Australian Government The NSW Government	Road	NewConstruction	Highway
AT-39	Australia	Pacific Highway – Kundabung to Kempsey	O	21 November 2014 - Mid 2017	\$230,000,000	The Australian Government The NSW Government	Road	Upgrading	Highway
AT-40	Australia	Pacific Highway – Woolgoolga to Ballina – Planning and Preconstruction	O	1 July 2011 - Late 2016	\$564,600,000	The Australian Government The NSW Government	Road	Upgrading	Highway
AT-41	Australia	Pacific Motorway Upgrade - Gateway to Logan	O	-	\$490,000,000	The Australian Government The Queensland Government	Road	Upgrading	Highway
AT-42	Australia	Pacific Motorway Upgrade - Nerang to Robina Widening	O	May 2010 - Early 2015	\$223,500,000	The Australian Government The Queensland Government	Road	Upgrading	Highway
AT-43	Australia	Pacific Motorway Upgrade - Nerang to Tugun	O	-	\$420,000,000	The Australian Government The Queensland Government	Road	Upgrading	Highway
AT-44	Australia	Peak Downs Highway Safety Works	O	2015 - 2017	\$166,170,000	The Australian Government	Road	Upgrading	Highway
AT-45	Australia	Perth City Link	O	August 2011 - December 2013	\$360,320,000	The Australian Government etc	Railway	NewConstruction	LocalRailway
AT-46	Australia	Port Botany Rail Line Upgrade - Stage 2	O	August 2010 - June 2015	\$145,400,000	The Australian Government	Railway	Upgrading	LocalRailway
AT-47	Australia	Port Hedland Improvements Project	O	June 2009 - June 2014	\$272,400,000	The Australian Government etc	Road	Upgrading	Highway
AT-48	Australia	Princes Highway East - Traralgon to Sale	O	3 February 2010 - TBD	\$260,000,000	The Australian Government The Victorian Government	Road	Upgrading	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
AT-49	Australia	Princes Highway West – Winchelsea to Colac Duplication	O	Mid 2015 - Mid 2019	\$371,000,000	The Australian Government The Victorian Government	Road	Upgrading	Highway
AT-50	Australia	South Road Superway	O	April 2010 - Mar 2014	\$812,000,000	The Australian Government etc	Road	Upgrading	Highway
AT-51	Australia	St Albans Rail Grade Separation	O	Mid 2015 - Late 2016	\$202,000,000	The Australian Government The Victorian Government	Road	Upgrading	Highway
AT-52	Australia	WA Grain Rail	O	September 2010 - June 2016	\$258,930,000	The Australian Government The Western Australian Government	Railway	Upgrading	LocalRailway

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-4. Brunei

(1) Connectivity Map



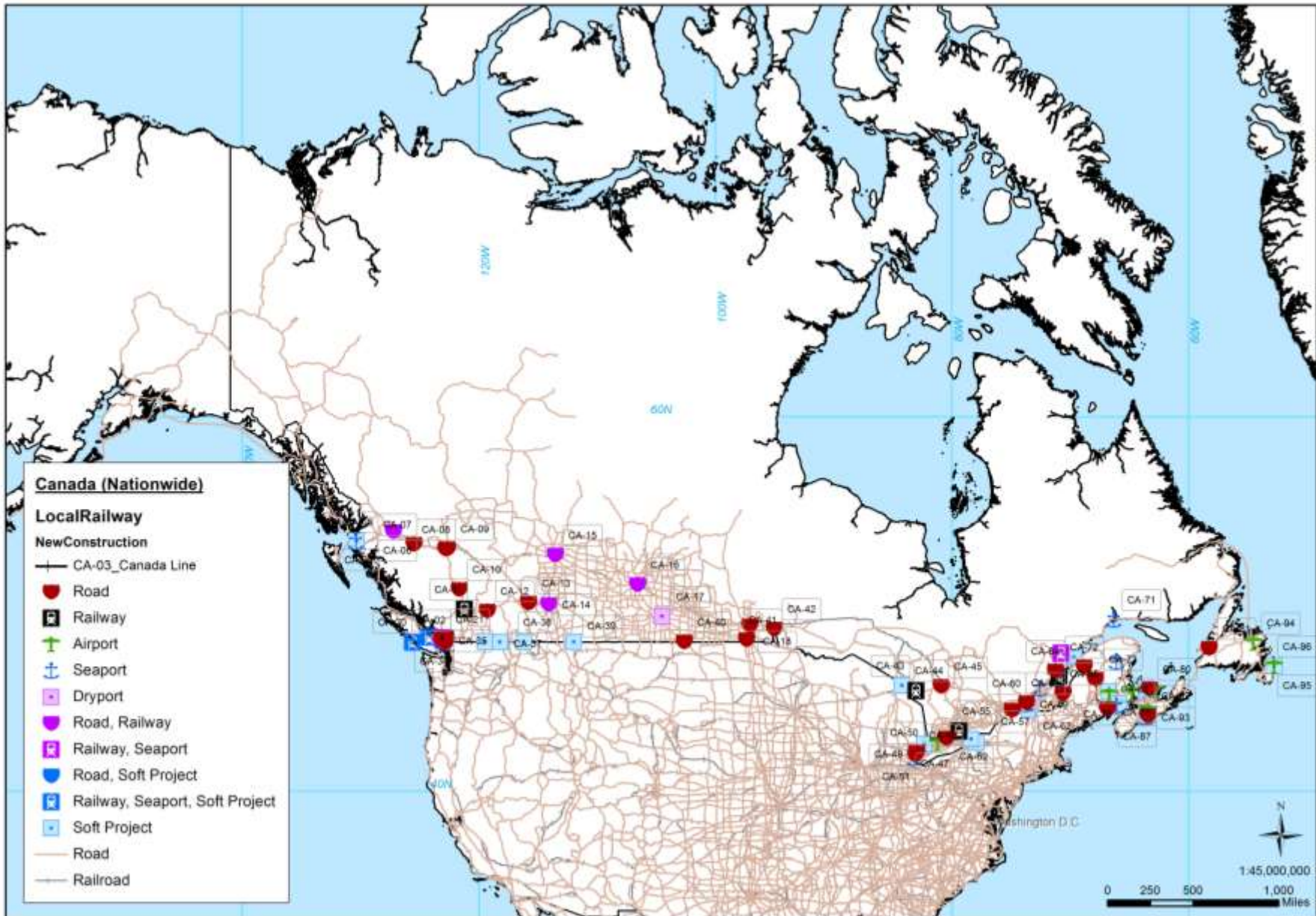
(2) Project Sheet

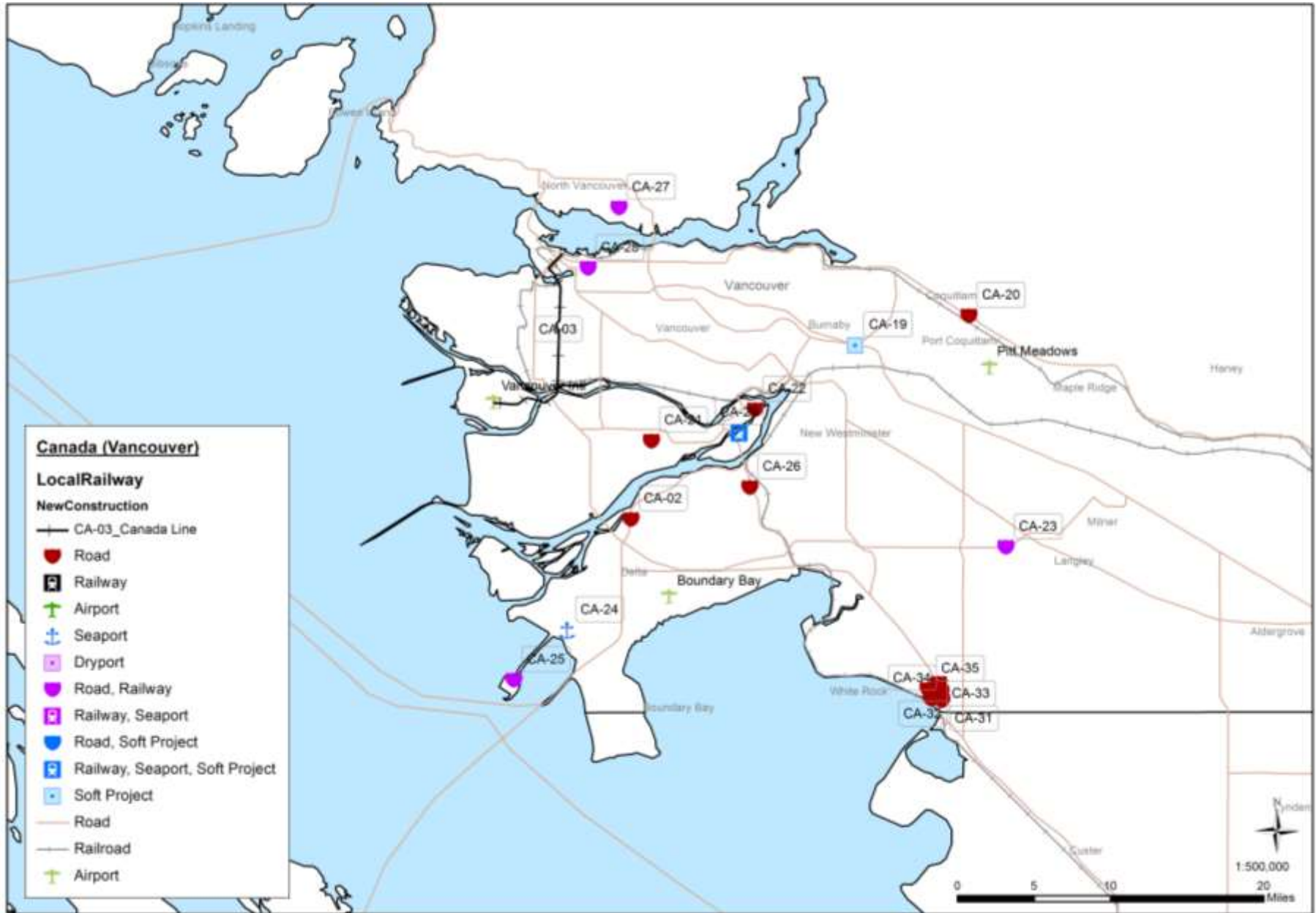
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/High Speed Railway/Local Railway]
-	-	-	-	-	-	-	-	-	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-5. Canada

(1) Connectivity Map





(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-01	Canada	Blue Sky Policy (Canada's international air policy)	x	-	-	-	Soft Project	-	-
CA-02	Canada	South Fraser Perimeter Road (SFPR)	O	-	-	-	Road	NewConstruction	Highway
CA-03	Canada	Canada Line	O	-	-	-	Railway	NewConstruction	LocalRailway
CA-04	Canada	Port of Prince Rupert Port Container Security Program	O	-	-	-	Soft Project	-	-
CA-05	Canada	Ridley Island Road, Rail and Utility Corridor (RRUC), Prince Rupert	O	-	-	-	Seaport	-	-
CA-06	Canada	Smithers (at Dalhie Road) Grade Separation	O	-	-	-	Road, Railway	-	Highway
CA-07	Canada	Highway Improvements near Vanderhoof	O	-	-	-	Road	-	Highway
CA-08	Canada	River Road, Prince George	O	-	-	-	Road	-	Highway
CA-09	Canada	Twinning of Simon Fraser Bridge	O	-	-	-	Road	-	Highway
CA-10	Canada	Highway 97 Upgrade near Prince George	O	-	-	-	Road	-	Highway
CA-11	Canada	Ashcroft Terminal	O	-	-	-	Railway	-	LocalRailway
CA-12	Canada	TransCanada Highway Upgrade	O	-	-	-	Road	-	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-13	Canada	TransCanada Highway Upgrade	O	-	-	-	Road	-	Highway
CA-14	Canada	52nd Street SE, Canadian Pacific Railway (CP) grade separation and Western Headwaters, Calgary	O	-	-	-	Road, Railway	-	Highway
CA-15	Canada	Highway 2 and 41 Avenue Intermodal Access, Edmonton	O	-	-	-	Road, Railway	-	Highway
CA-16	Canada	Circle Drive South Project, Saskatoon	O	-	-	-	Road, Railway	-	Highway
CA-17	Canada	Global Transportation Hub, Regina	O	-	-	-	Dryport	-	-
CA-18	Canada	CentrePort Canada Way, Winnipeg	O	-	-	-	Road	-	Highway
CA-19	Canada	Regional Transportation Management Centre	O	-	-	-	Soft Project	-	-
CA-20	Canada	Pitt River Bridge and Mary Hill Interchange	O	-	-	-	Road	-	Highway
CA-21	Canada	City of Richmond Widening of the Westminster Highway and Nelson Road	O	-	-	-	Road	-	Highway
CA-22	Canada	Corporation of Delta	O	-	-	-	Road	-	Highway
CA-23	Canada	Roberts Bank Rail Corridor Road/Rail Grade Separations	O	-	-	-	Road, Railway	-	Highway
CA-24	Canada	Roberts Bank Container Examination Facility	O	-	-	-	Seaport	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-25	Canada	Deltaport Causeway Overpass, Delta	O	-	-	-	Road, Railway	-	-
CA-26	Canada	Highway 91 and 72nd Avenue Interchange, Delta	O	-	-	-	Road	-	Highway
CA-27	Canada	Burrard Inlet's North Shore Projects	O	-	-	-	Road, Railway	-	Highway
CA-28	Canada	South Shore Trade Area	O	-	-	-	Road, Railway	-	Highway
CA-29	Canada	Shortsea Shipping Projects, Southern Railway Rail Barge Ramp	O	-	-	-	Railway, Seaport, Soft Project	-	-
CA-30	Canada	Shortsea Shipping Projects, Nanaimo, Shortsea Shipping Feasibility Study, Alberni	O	-	-	-	Railway, Seaport, Soft Project	-	-
CA-31	Canada	Douglas (Peace Arch) Plaza Facilities and Access Lane	O	-	-	-	Road	-	Highway
CA-32	Canada	Pacific Highway and Douglas (Peace Arch) Access Roads	O	-	-	-	Road	-	Highway
CA-33	Canada	Pacific Highway and Dedicated Lane and Plaza Expansion	O	-	-	-	Road	-	Highway
CA-34	Canada	Aldergrove (Lyndon) Plaza Renewal and Highway 13 Upgrade	O	-	-	-	Road	-	Highway
CA-35	Canada	Huntingdon (Sumas) Highway 11 Upgrades and Plaza Expansion	O	-	-	-	Road	-	Highway
CA-36	Canada	Osoyoos (Oroville) Plaza Renewal	O	-	-	-	Soft Project	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-37	Canada	Cascade (Laurier) Plaza Renewal	O	-	-	-	Soft Project	-	-
CA-38	Canada	Kingsgate (Eastport) Plaza Renewal	O	-	-	-	Soft Project	-	-
CA-39	Canada	Coutts (Sweetgrass) Plaza Renewal	O	-	-	-	Soft Project	-	-
CA-40	Canada	North Portal (Portal) Highway 39 improvements	O	-	-	-	Road	-	Highway
CA-41	Canada	Reconstruction and Rehabilitation of Highway 75	O	-	-	-	Road	-	Highway
CA-42	Canada	Highway 17 Twinning	O	-	-	-	Road	-	Highway
CA-43	Canada	Sault Ste. Marie Bridge Plaza Improvements	O	-	-	-	Soft Project	-	-
CA-44	Canada	Huron Central Railway	O	-	-	-	Railway	-	LocalRailway
CA-45	Canada	Highway 69 Twinning	O	-	-	-	Road	-	Highway
CA-46	Canada	Blue Water Bridge Plaza Improvements	O	-	-	-	Soft Project	-	-
CA-47	Canada	New Cargo Terminal for London International Airport	O	-	-	-	Airport	-	-
CA-48	Canada	Detroit River International Crossing Project	O	-	-	-	Road	-	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-49	Canada	Let's Get Windsor-Essex Moving	O	-	-	-	Road, Soft Project	-	-
CA-50	Canada	The Right Honourable Herb Gray Parkway	O	-	-	-	Road	-	Highway
CA-51	Canada	Windsor Port Authority – New Marine Facility	O	-	-	-	Seaport	-	-
CA-52	Canada	Highway 8 Improvements	O	-	-	-	Road	-	Highway
CA-53	Canada	Peace Bridge Plaza Improvements	O	-	-	-	Soft Project	-	-
CA-54	Canada	Improvements to Queenston Plaza at Queenston-Lewiston Bridge	O	-	-	-	Soft Project	-	-
CA-55	Canada	Union Station Revitalization	O	-	-	-	Railway	-	LocalRailway
CA-56	Canada	St. Lawrence Seaway Safety & Security Improvements	O	-	-	-	Road	-	Highway
CA-57	Canada	A-30 Montreal Extension	O	-	-	-	Road	-	Highway
CA-58	Canada	Port of Montreal Modernization	O	-	-	-	Seaport	-	-
CA-59	Canada	Montreal Bridges Rehabilitation	O	-	-	-	Road	-	Highway
CA-60	Canada	Dorval Interchange Redevelopment	O	-	-	-	Road	-	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-61	Canada	Highway 50 Extension, between Thurso and Notre-Dame-de-Bonsecours (Montebello)	O	-	-	-	Road	-	Highway
CA-62	Canada	Lacolle Border Crossing	O	-	-	-	Soft Project	-	-
CA-63	Canada	Port of Trois-Rivières Modernization	O	-	-	-	Seaport	-	-
CA-64	Canada	Highway 73/175 Twinning	O	-	-	-	Road	-	Highway
CA-65	Canada	Robert Cliche Highway 73/173 Twinning	O	-	-	-	Road	-	Highway
CA-66	Canada	Port of Saguenay Modernization	O	-	-	-	Railway, Seaport	-	-
CA-67	Canada	St. Lawrence Channel – Optimization of Navigation	O	-	-	-	Soft Project	-	-
CA-68	Canada	Port of Quebec Improvements	O	-	-	-	Seaport	-	-
CA-69	Canada	Shortline Railway Improvements	O	-	-	-	Railway	-	LocalRailway
CA-70	Canada	Quebec City Airport Improvement	O	-	-	-	Airport	-	-
CA-71	Canada	Port of Sept-Îles Modernization	O	-	-	-	Seaport	-	-
CA-72	Canada	Highway 185 Twinning	O	-	-	-	Road	-	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-73	Canada	Twinning of the TransCanada Highway	O	-	-	-	Road	-	Highway
CA-74	Canada	Port of Belledune Expansion and Improvements	O	-	-	-	Seaport	-	-
CA-75	Canada	Port of Belledune Modular Fabrication & Multimodal Transshipment Facility	O	-	-	-	Seaport	-	-
CA-76	Canada	Fredericton International Airport Runway and Lighting Upgrade	O	-	-	-	Airport	-	-
CA-77	Canada	New Brunswick Intelligent Transportation System (ITS) Projects	O	-	-	-	Soft Project	-	-
CA-78	Canada	Greater Moncton International Airport Runway Extension	O	-	-	-	Airport	-	-
CA-79	Canada	Confederation Bridge Intelligent Transportation Systems Project	O	-	-	-	Soft Project	-	-
CA-80	Canada	TransCanada Highway-Route 1 Improvements	O	-	-	-	Road	-	Highway
CA-81	Canada	TransCanada Highway Rehabilitation and Restoration	O	-	-	-	Road	-	Highway
CA-82	Canada	Charlottetown Airport Terminal Expansion	O	-	-	-	Airport	-	-
CA-83	Canada	Route 1 Twinning	O	-	-	-	Road	-	Highway
CA-84	Canada	Port of Saint John Cruise Gateway Project	O	-	-	-	Seaport	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-85	Canada	Saint John Harbour Bridge Rehabilitation	O	-	-	-	Soft Project	-	Highway
CA-86	Canada	Port of Halifax – South End Container Terminal Extension	O	-	-	-	Seaport	-	-
CA-87	Canada	Port of Halifax – Richmond Terminals Multipurpose Gateway Extension	O	-	-	-	Seaport	-	-
CA-88	Canada	Halifax Shore Power Program	O	-	-	-	Soft Project	-	-
CA-89	Canada	Integrated Port Logistics System	O	-	-	-	Soft Project	-	-
CA-90	Canada	Bridge Air Gap System	O	-	-	-	Soft Project	-	-
CA-91	Canada	SmartATLANTIC Herring Cove Buoy	O	-	-	-	Soft Project	-	-
CA-92	Canada	Burnside Connector – Phase 1 – Connecting Highways 102 and 107	O	-	-	-	Road	-	Highway
CA-93	Canada	Halifax Stanfield International Airport Runway Extension	O	-	-	-	Airport	-	-
CA-94	Canada	Gander International Airport Runway Upgrade	O	-	-	-	Airport	-	-
CA-95	Canada	Marine Institute SmartBay Project Expansion	O	-	-	-	Soft Project	-	-
CA-96	Canada	St. John's International Airport – Category 3 Instrument Landing System	O	-	-	-	Airport	-	-

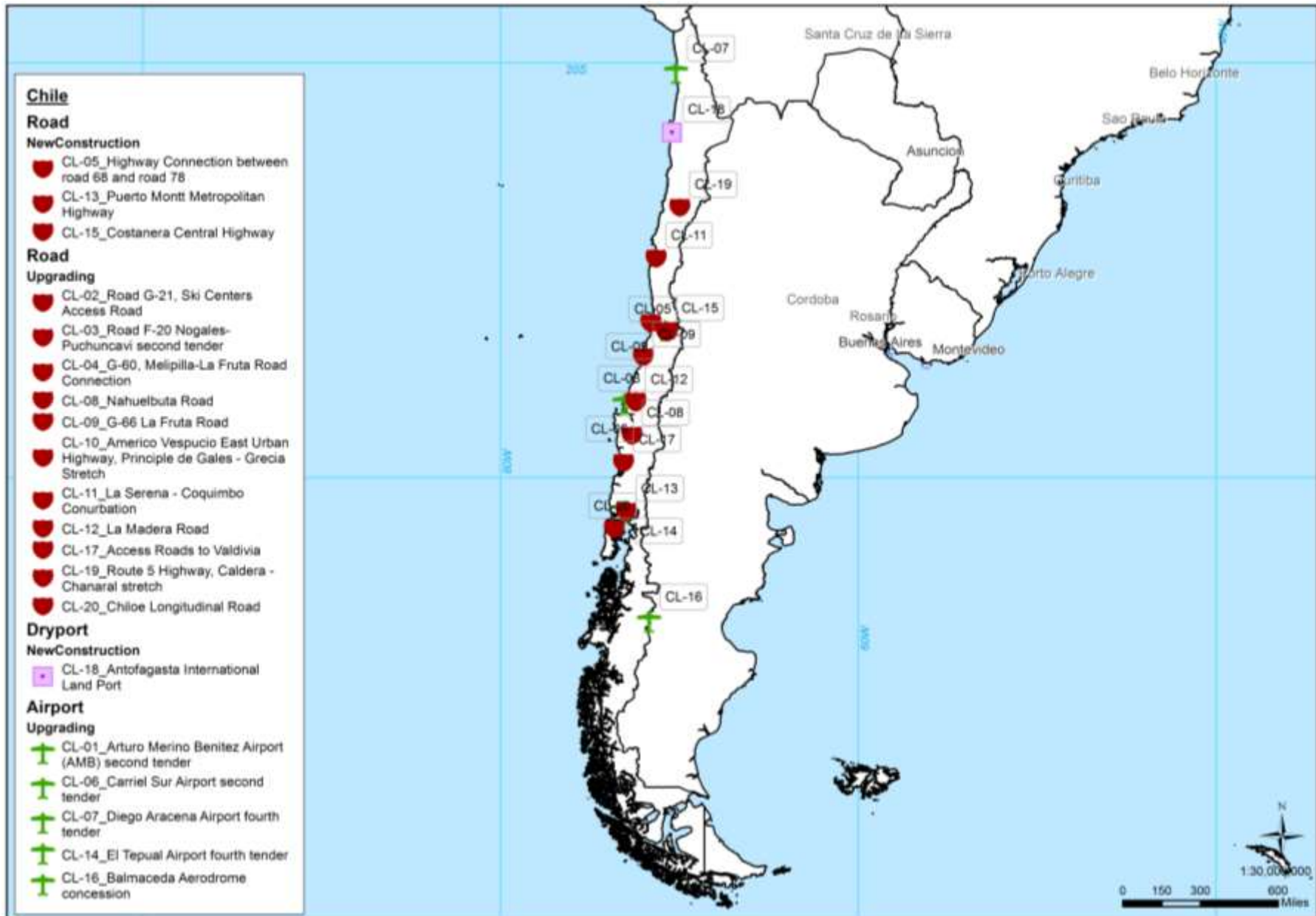
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgra ding/Ongoing]	Note [Expressway/Highway/Hi ghSpeedRailway/LocalR ailway]
CA-97	Canada	Port of Saint John SmartAtlantic Smart Buoy	x	-	-	-	Soft Project	-	-
CA-98	Canada	Region of Waterloo Smart Corridor ITS Projects	x	-	-	-	Soft Project	-	-
CA-99	Canada	Ministry of Transportation of Ontario (MTO) Smart Corridor Investments	x	-	-	-	Soft Project	-	-
CA-100	Canada	North Shore Railway Crossings Improvements Project (Bewicke Avenue Crossing, Mosquito Creek Marina Crossing and Forbes Avenue Crossing)	x	-	-	-	Railway	-	LocalRailway
CA-101	Canada	Intersection Improvements at Scott Road and Tannery Road	x	-	-	-	Road	-	Highway
CA-102	Canada	80 Street Huston Road and River Road Roadway Improvements	x	-	-	-	Road	-	Highway
CA-103	Canada	Fraser Surrey Docks - Expansion of Port Authority Rail Yard (PARY)	x	-	-	-	Seaport	-	-
CA-104	Canada	West Coast Reduction (WCR) Ltd. Rail Unloading Improvement Project	x	-	-	-	Railway	-	LocalRailway
CA-105	Canada	Major Road Upgrades - Lansdowne Road Extension and No.2 Road Upgrade	x	-	-	-	Road	-	Highway
CA-106	Canada	Boundary Road Highway 97 S to Highway 16 W Connector Conceptual Design	x	-	-	-	Road	-	Highway
CA-107	Canada	Bridgeview Drive Improvement Project	x	-	-	-	Soft Project	-	-
CA-108	Canada	Inter-Regional Commercial Corridor Travel Time System (ICCTTS)	x	-	-	-	Soft Project	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CA-109	Canada	Knight and Marine Intersection Improvements	x	-	-	-	Road	-	Highway
CA-110	Canada	Deltaport Terminal Road and Rail Improvement Project - Truck Staging Project	x	-	-	-	Seaport	-	-
CA-111	Canada	Railway Information Crossing System (RCIS)	x	-	-	-	Soft Project	-	-
CA-112	Canada	13th and Bellevue Rail Crossing Improvements	x	-	-	-	Railway	-	Highway
CA-113	Canada	reconstruction of highway 35	x	-	-	-	Road	-	Highway
CA-114	Canada	Reconstruction of Highway 55	x	-	-	-	Road	-	Highway

* Projects which are "Not specified" of location are not shown in the connectivity map.

2-6. Chile

(1) Connectivity Map

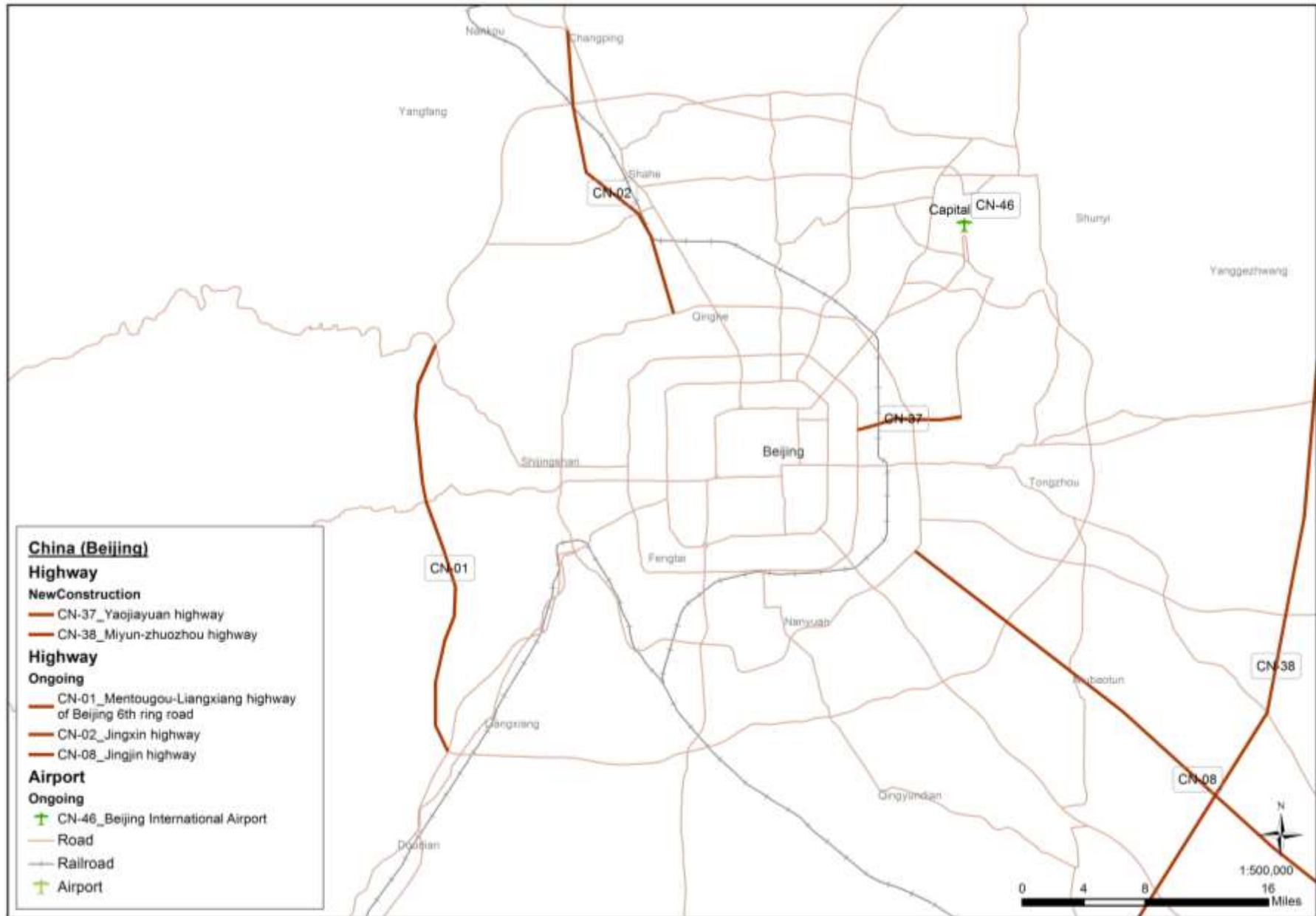


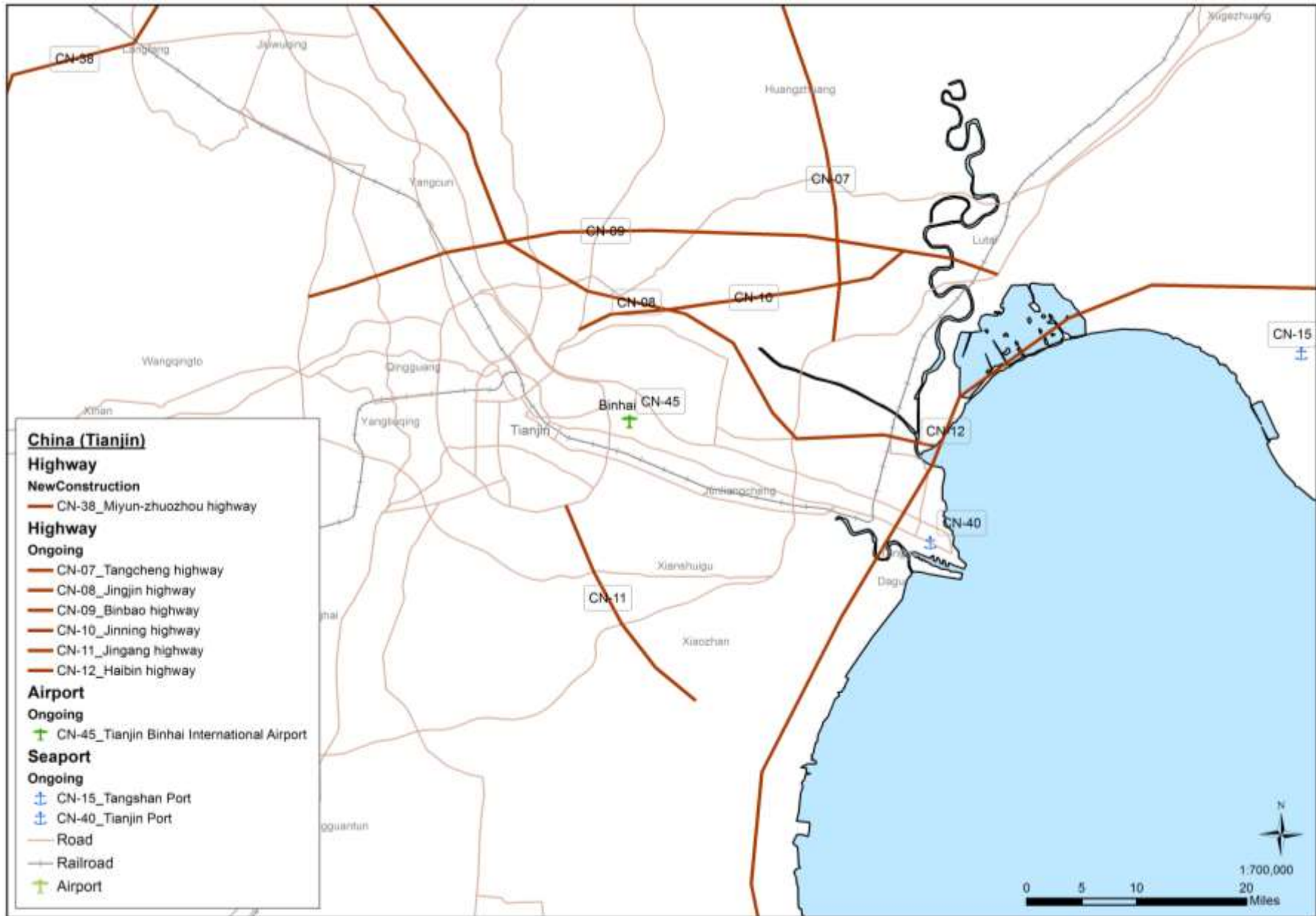
(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CL-01	Chile	Arturo Merino Benitez Airport (AMB) second tender	O	2014 -	633 million USD	(Public Initiative)	Airport	Upgrading	-
CL-02	Chile	Road G-21, Ski Centers Access Road	O	2014 -	107 million USD	(Private Initiative)	Road	Upgrading	Highway
CL-03	Chile	Road F-20 Nogales-Puchuncavi second tender	O	2014 -	148 million USD	(Public Initiative)	Road	Upgrading	Highway
CL-04	Chile	G-60, Melipilla-La Fruta Road Connection	O	2014 -	38 million USD	(Public Initiative)	Road	Upgrading	Highway
CL-05	Chile	Highway Connection between road 68 and road 78	O	2015 -	108 million USD	(Private Initiative)	Road	NewConstruction	Highway
CL-06	Chile	Carriel Sur Airport second tender	O	2015 -	45 million USD	(Public Initiative)	Airport	Upgrading	-
CL-07	Chile	Diego Aracena Airport fourth tender	O	2015 -	49 million USD	(Public Initiative)	Airport	Upgrading	-
CL-08	Chile	Nahuelbuta Road	O	2015 -	237 million USD	(Private Initiative)	Road	Upgrading	Highway
CL-09	Chile	G-66 La Fruta Road	O	2015 -	420 million USD	(Public Initiative)	Road	Upgrading	Highway
CL-10	Chile	Americo Vespuccio East Urban Highway, Principe de Gales - Grecia Stretch	O	2016 -	726 million USD	(Public Investment)	Road	Upgrading	Highway
CL-11	Chile	La Serena - Coquimbo Conurbation	O	2016 -	133 million USD	(Public Initiative)	Road	Upgrading	Highway
CL-12	Chile	La Madera Road	O	2016 -	142 million USD	(Public Initiative)	Road	Upgrading	Highway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CL-13	Chile	Puerto Montt Metropolitan Highway	O	2016 -	273 million USD	(Private Initiative)	Road	NewConstruction	Highway
CL-14	Chile	El Tepual Airport fourth tender	O	2016 -	45 million USD	(Public Initiative)	Airport	Upgrading	-
CL-15	Chile	Costanera Central Highway	O	2016 -	1819 million USD	(Private Initiative)	Road	NewConstruction	Highway
CL-16	Chile	Balmaceda Aerodrome concession	O	2017 -	31 million USD	(Public Initiative)	Airport	Upgrading	-
CL-17	Chile	Access Roads to Valdivia	O	2017 -	209 million USD	(Private Initiative)	Road	Upgrading	Highway
CL-18	Chile	Antofagasta International Land Port	O	2018 -	45 million USD	(Private Initiative)	Dryport	NewConstruction	-
CL-19	Chile	Route 5 Highway, Caldera - Chanaral stretch	O	2018 -	250 million USD	(Private Initiative)	Road	Upgrading	Highway
CL-20	Chile	Chiloe Longitudinal Road	O	2018 -	263 million USD	(Private Initiative)	Road	Upgrading	Highway

* Projects which are “Not specified” of location are not shown in the connectivity map.





(2) Project Sheet

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CN-01	China	Mentougou-Liangxiang highway of Beijing 6th ring road	O	-	-	-	Road	Ongoing	Highway
CN-02	China	Jingxin highway	O	-	-	-	Road	Ongoing	Highway
CN-03	China	Shanghai-Shanxi highway	O	-	-	-	Road	Ongoing	Highway
CN-04	China	Shanghai-Changzhou highway	O	-	-	-	Road	Ongoing	Highway
CN-05	China	Around-city highway	O	-	-	-	Road	Ongoing	Highway
CN-06	China	Shenjiahu highway	O	-	-	-	Road	Ongoing	Highway
CN-07	China	Tangcheng highway	O	-	-	-	Road	Ongoing	Highway
CN-08	China	Jingjin highway	O	-	-	-	Road	Ongoing	Highway
CN-09	China	Binbao highway	O	-	-	-	Road	Ongoing	Highway
CN-10	China	Jinning highway	O	-	-	-	Road	Ongoing	Highway
CN-11	China	Jingang highway	O	-	-	-	Road	Ongoing	Highway
CN-12	China	Haibin highway	O	-	-	-	Road	Ongoing	Highway

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CN-13	China	Yingkou Port	O	-	-	-	Seaport	Ongoing	-
CN-14	China	Qinhuangdao Port	O	-	-	-	Seaport	Ongoing	-
CN-15	China	Tangshan Port	O	-	-	-	Seaport	Ongoing	-
CN-16	China	Yantai Port	O	-	-	-	Seaport	Ongoing	-
CN-17	China	Rizhao Port	O	-	-	-	Seaport	Ongoing	-
CN-18	China	Lianyuangang port	O	-	-	-	Seaport	Ongoing	-
CN-19	China	Nanjing Port	O	-	-	-	Seaport	Ongoing	-
CN-20	China	Nantong Port	O	-	-	-	Seaport	Ongoing	-
CN-21	China	Zhenjiang Port	O	-	-	-	Seaport	Ongoing	-
CN-22	China	Suzhou Port	O	-	-	-	Seaport	Ongoing	-
CN-23	China	Ningbo-Zhoushan Port	O	-	-	-	Seaport	Ongoing	-
CN-24	China	Wenzhou Port	O	-	-	-	Seaport	Ongoing	-

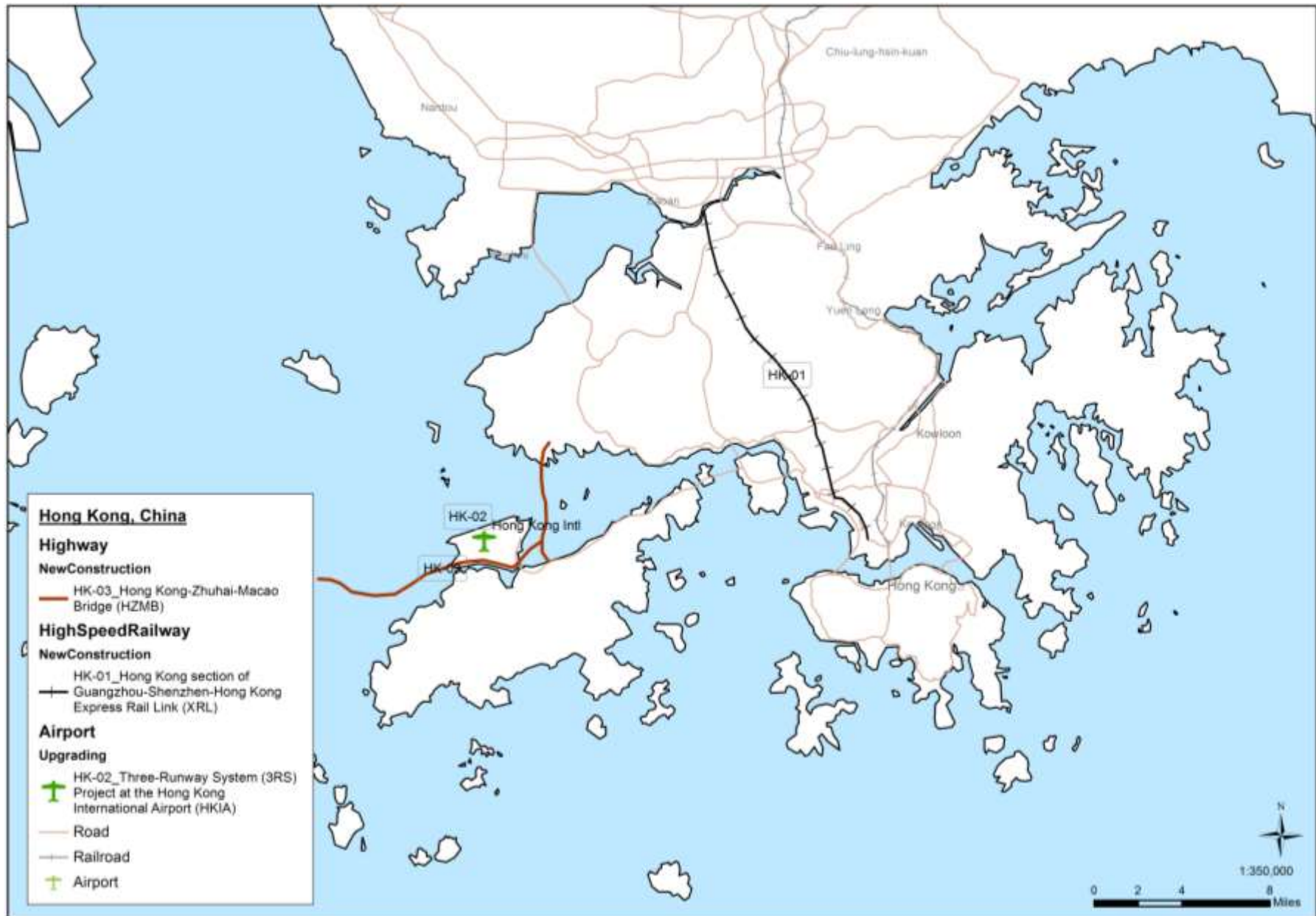
#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
CN-25	China	Xiamen Port	O	-	-	-	Seaport	Ongoing	-
CN-26	China	Shantou Port	O	-	-	-	Seaport	Ongoing	-
CN-27	China	Shenzhen port	O	-	-	-	Seaport	Ongoing	-
CN-28	China	Guangzhou Port	O	-	-	-	Seaport	Ongoing	-
CN-29	China	Zhuhai Port	O	-	-	-	Seaport	Ongoing	-
CN-30	China	Zhanjiang port	O	-	-	-	Seaport	Ongoing	-
CN-31	China	Shenyang Taoxian International Airport	O	-	-	-	Airport	Ongoing	-
CN-32	China	Jinan Yaoqiang International Airport	O	-	-	-	Airport	Ongoing	-
CN-33	China	Nanjing Lukou International Airport	O	-	-	-	Airport	Ongoing	-
CN-34	China	Hangzhou Xiaoshan International Airport	O	-	-	-	Airport	Ongoing	-
CN-35	China	Fuzhou Changle International Airport	O	-	-	-	Airport	Ongoing	-
CN-36	China	Guangzhou Baiyun International Airport	O	-	-	-	Airport	Ongoing	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgra ding/Ongoing]	Note [Expressway/Highway/Hi ghSpeedRailway/LocalR ailway]
CN-37	China	Yaojiayuan highway	O	Before 2018	no accurate information at present	no accurate information at present	Road	NewConstruction	Highway
CN-38	China	Miyun-zhuozhou highway	O	Before 2020	no accurate information at present	no accurate information at present	Road	NewConstruction	Highway
CN-39	China	Dalian Port	O	-	-	-	Seaport	Ongoing	-
CN-40	China	Tianjin Port	O	-	-	-	Seaport	Ongoing	-
CN-41	China	Qingdao Port	O	-	-	-	Seaport	Ongoing	-
CN-42	China	Shanghai Port	O	-	-	-	Seaport	Ongoing	-
CN-43	China	Fuzhou Port	O	-	-	-	Seaport	Ongoing	-
CN-44	China	Hong Kong Port	O	-	-	-	Seaport	Ongoing	-
CN-45	China	Tianjin Binhai International Airport	O	-	-	-	Airport	Ongoing	-
CN-46	China	Beijing International Airport	O	-	-	-	Airport	Ongoing	-
CN-47	China	Shanghai International Airport	O	-	-	-	Airport	Ongoing	-
CN-48	China	Chongqing Jiangbei International Airport	O	-	-	-	Airport	Ongoing	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-8. Hong Kong, China

(1) Connectivity Map



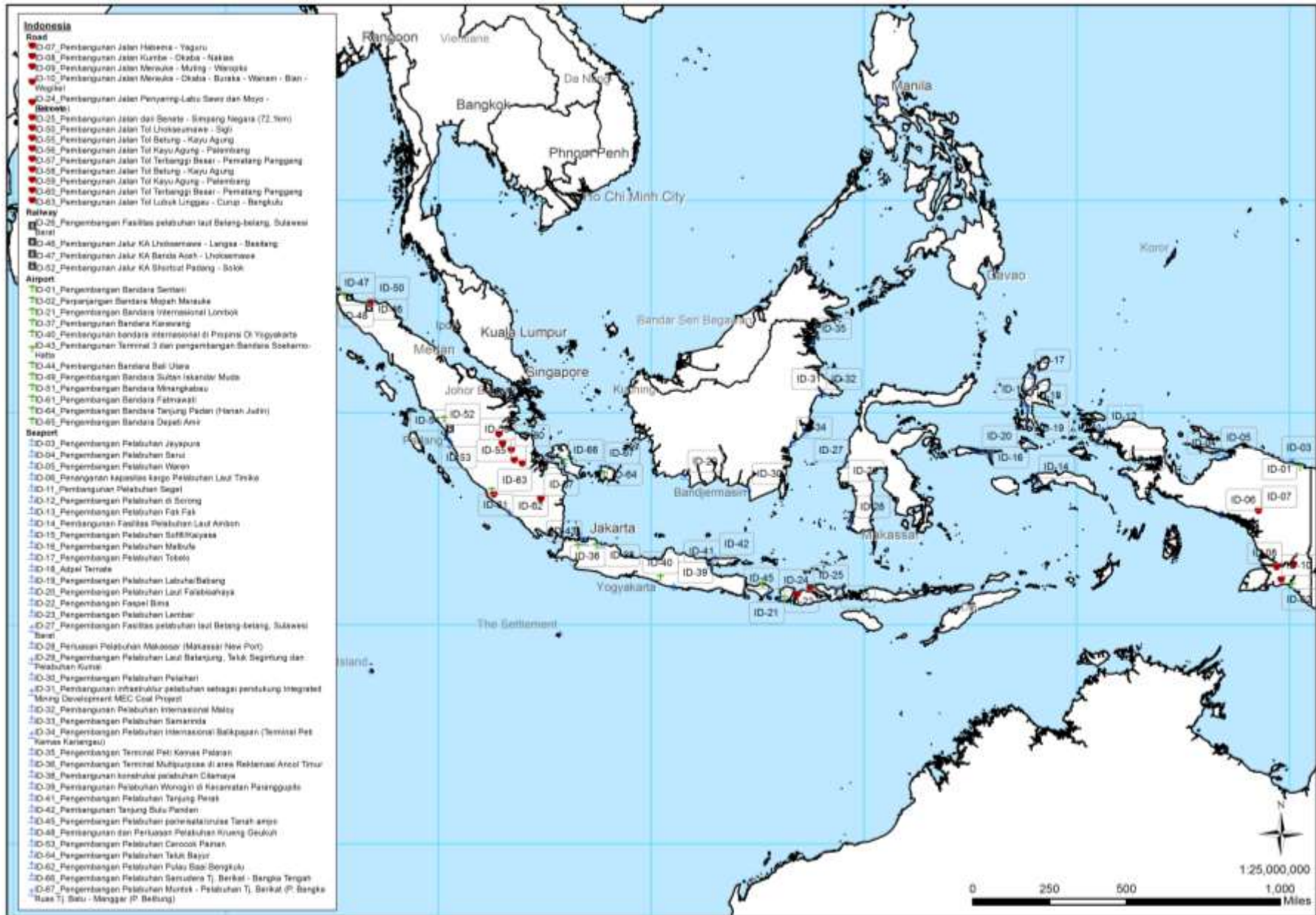
(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
HK-01	Hong Kong, China	Hong Kong section of Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL)	O	Construction of the Hong Kong section of the XRL commenced in January 2010	HK\$85.3 billion (cost estimate as at end June 2015, subject to review by the HKSAR Government)	The HKSAR Government	Railway	New Construction	HighSpeedRailway
HK-02	Hong Kong, China	Three-Runway System (3RS) Project at the Hong Kong International Airport (HKIA)	O	Target commissioning in 2023	HKD\$141.5 billion (at money-of-the-day prices)	Based on the "joint contribution" principle, the Airport Authority Hong Kong will finance the 3RS project by making use of internal sources of funds (including raising revenues), external borrowings and charging airport users (including adjusting airport charges payable by the airlines and introducing Airport Construction Fee payable by air passengers).	Airport	Upgrading	-
HK-03	Hong Kong, China	Hong Kong-Zhuhai-Macao Bridge (HZMB)	O	Construction commenced since 2009	Hong Kong side's contribution to the HZMB Main Bridge amounts to HKD9.28 billion. The total cost for the HZMB Hong Kong related projects (namely, Hong Kong Boundary Crossing Facilities, Hong Kong Link Road and Tuen Mun – Chek Lap Kok Link) is HKD102.1 billion (as at Sept 2015).	The project consists of (i) the Main Bridge situated in the waters of the Mainland China and (ii) link roads and boundary crossing facilities of the three sides. The Governments of Guangdong, HKSAR and Macao Special Administrative Region is each responsible for constructing its link roads and boundary crossing facilities. For Hong Kong's side projects, they are funded by public funding. As for the HZMB Main Bridge, it is financed by capital costs from the three governments and bank loans.	Road	New Construction	Highway

* Projects which are "Not specified" of location are not shown in the connectivity map.

2-9. Indonesia

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
ID-01	Indonesia	Pengembangan Bandara Sentani	O	-	-	-	Airport	-	-
ID-02	Indonesia	Perpanjangan Bandara Mopah Merauke	O	-	-	-	Airport	-	-
ID-03	Indonesia	Pengembangan Pelabuhan Jayapura	O	-	-	-	Seaport	-	-
ID-04	Indonesia	Pengembangan Pelabuhan Serui	O	-	-	-	Seaport	-	-
ID-05	Indonesia	Pengembangan Pelabuhan Waren	O	-	-	-	Seaport	-	-
ID-06	Indonesia	Penanganan kapasitas kargo Pelabuhan Laut Timika	O	-	-	-	Seaport	-	-
ID-07	Indonesia	Pembangunan Jalan Haberna - Yaguru	O	-	-	-	Road	-	-
ID-08	Indonesia	Pembangunan Jalan Kumbe - Okaba - Nakias	O	-	-	-	Road	-	-
ID-09	Indonesia	Pembangunan Jalan Merauke - Muting - Waropko	O	-	-	-	Road	-	-
ID-10	Indonesia	Pembangunan Jalan Merauke - Okaba - Buraka - Wanam - Bian - Wogikel	O	-	-	-	Road	-	-
ID-11	Indonesia	Pembangunan Pelabuhan Seget	O	-	-	-	Seaport	-	-
ID-12	Indonesia	Pengembangan Pelabuhan di Sorong	O	-	-	-	Seaport	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgra ding/Ongoing]	Note [Expressway/Highway/Hi ghSpeedRailway/LocalR ailway]
ID-13	Indonesia	Pengembangan Pelabuhan Fak Fak	O	-	-	-	Seaport	-	-
ID-14	Indonesia	Pembangunan Fasilitas Pelabuhan Laut Ambon	O	-	-	-	Seaport	-	-
ID-15	Indonesia	Pengembangan Pelabuhan Sofifi/Kaiyasa	O	-	-	-	Seaport	-	-
ID-16	Indonesia	Pengembangan Pelabuhan Malbufa	O	-	-	-	Seaport	-	-
ID-17	Indonesia	Pengembangan Pelabuhan Tobelo	O	-	-	-	Seaport	-	-
ID-18	Indonesia	Adpel Ternate	O	-	-	-	Seaport	-	-
ID-19	Indonesia	Pengembangan Pelabuhan Labuha/Babang	O	-	-	-	Seaport	-	-
ID-20	Indonesia	Pengembangan Pelabuhan Laut Falabisahaya	O	-	-	-	Seaport	-	-
ID-21	Indonesia	Pengembangan Bandara Internasional Lombok	O	-	-	-	Airport	-	-
ID-22	Indonesia	Pengembangan Faspel Bima	O	-	-	-	Seaport	-	-
ID-23	Indonesia	Pengembangan Pelabuhan Lembar	O	-	-	-	Seaport	-	-
ID-24	Indonesia	Pembangunan Jalan Penyaring-Labu Sawo dan Moyo - Sebewe (Samota)	O	-	-	-	Road	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
ID-25	Indonesia	Pembangunan Jalan dari Benete - Simpang Negara (72,1km)	O	-	-	-	Road	-	-
ID-26	Indonesia	Pengembangan Fasilitas pelabuhan laut Belang-belang, Sulawesi Barat	O	-	-	-	Railway	-	-
ID-27	Indonesia	Pengembangan Fasilitas pelabuhan laut Belang-belang, Sulawesi Barat	O	-	-	-	Seaport	-	-
ID-28	Indonesia	Perluasan Pelabuhan Makassar (Makassar New Port)	O	-	-	-	Seaport	-	-
ID-29	Indonesia	Pengembangan Pelabuhan Laut Batanjung, Teluk Segintung dan Pelabuhan Kumai	O	-	-	-	Seaport	-	-
ID-30	Indonesia	Pengembangan Pelabuhan Pelaihari	O	-	-	-	Seaport	-	-
ID-31	Indonesia	Pembangunan infrastruktur pelabuhan sebagai pendukung Integrated Mining Development MEC Coal Project	O	-	-	-	Seaport	-	-
ID-32	Indonesia	Pembangunan Pelabuhan Internasional Maloy	O	-	-	-	Seaport	-	-
ID-33	Indonesia	Pengembangan Pelabuhan Samarinda	O	-	-	-	Seaport	-	-
ID-34	Indonesia	Pengembangan Pelabuhan Internasional Balikpapan (Terminal Peti Kemas Kariangau)	O	-	-	-	Seaport	-	-
ID-35	Indonesia	Pengembangan Terminal Peti Kemas Palaran	O	-	-	-	Seaport	-	-
ID-36	Indonesia	Pengembangan Terminal Multipurpose di area Reklamasi Ancol Timur	O	-	-	-	Seaport	-	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
ID-37	Indonesia	Pembangunan Bandara Karawang	O	-	-	-	Airport	-	-
ID-38	Indonesia	Pembangunan konstruksi pelabuhan Cilamaya	O	-	-	-	Seaport	-	-
ID-39	Indonesia	Pembangunan Pelabuhan Wonogiri di Kecamatan Paranggupito	O	-	-	-	Seaport	-	-
ID-40	Indonesia	Pembangunan bandara internasional di Propinsi DI Yogyakarta	O	-	-	-	Airport	-	-
ID-41	Indonesia	Pengembangan Pelabuhan Tanjung Perak	O	-	-	-	Seaport	-	-
ID-42	Indonesia	Pembangunan Tanjung Bulu Pandan	O	-	-	-	Seaport	-	-
ID-43	Indonesia	Pembangunan Terminal 3 dan pengembangan Bandara Soekarno-Hatta	O	-	-	-	Airport	-	-
ID-44	Indonesia	Pembangunan Bandara Bali Utara	O	-	-	-	Airport	-	-
ID-45	Indonesia	Pengembangan Pelabuhan pariwisata/cruise Tanah ampo	O	-	-	-	Seaport	-	-
ID-46	Indonesia	Pembangunan Jalur KA Lhoksemawe - Langsa - Besitang	O	-	-	-	Railway	-	-
ID-47	Indonesia	Pembangunan Jalur KA Banda Aceh - Lhoksemawe	O	-	-	-	Railway	-	-
ID-48	Indonesia	Pembangunan dan Perluasan Pelabuhan Krueng Geukuh	O	-	-	-	Seaport	-	-

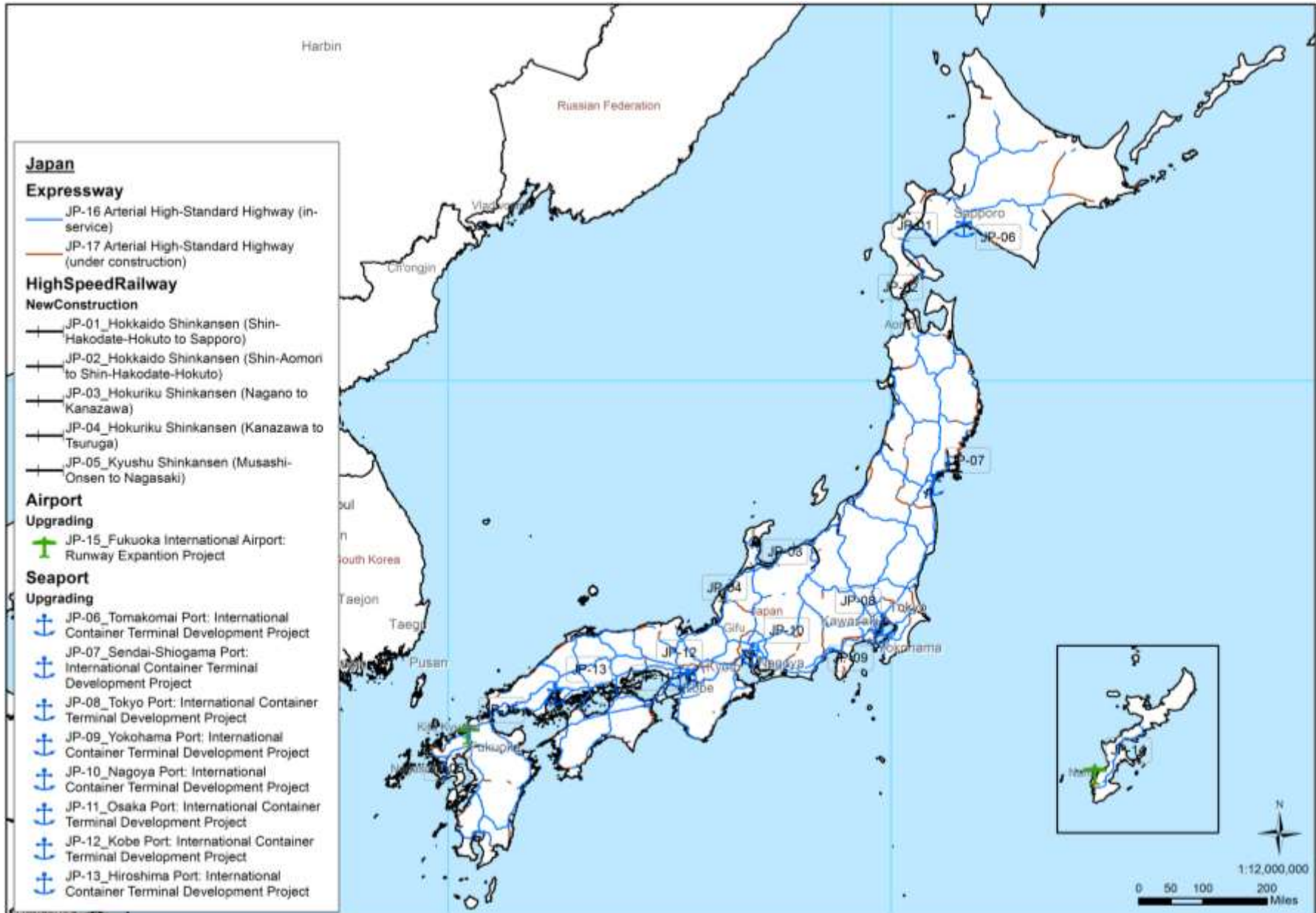
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
ID-49	Indonesia	Pengembangan Bandara Sultan Iskandar Muda	O	-	-	-	Airport	-	-
ID-50	Indonesia	Pembangunan Jalan Tol Lhokseumawe - Sigi	O	-	-	-	Road	-	-
ID-51	Indonesia	Pengembangan Bandara Minangkabau	O	-	-	-	Airport	-	-
ID-52	Indonesia	Pembangunan Jalur KA Shortcut Padang - Solok	O	-	-	-	Railway	-	-
ID-53	Indonesia	Pengembangan Pelabuhan Cerocok Painan	O	-	-	-	Seaport	-	-
ID-54	Indonesia	Pengembangan Pelabuhan Teluk Bayur	O	-	-	-	Seaport	-	-
ID-55	Indonesia	Pembangunan Jalan Tol Betung - Kayu Agung	O	-	-	-	Road	-	-
ID-56	Indonesia	Pembangunan Jalan Tol Kayu Agung - Palembang	O	-	-	-	Road	-	-
ID-57	Indonesia	Pembangunan Jalan Tol Terbanggi Besar - Pematang Panggang	O	-	-	-	Road	-	-
ID-58	Indonesia	Pembangunan Jalan Tol Betung - Kayu Agung	O	-	-	-	Road	-	-
ID-59	Indonesia	Pembangunan Jalan Tol Kayu Agung - Palembang	O	-	-	-	Road	-	-
ID-60	Indonesia	Pembangunan Jalan Tol Terbanggi Besar - Pematang Panggang	O	-	-	-	Road	-	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
ID-61	Indonesia	Pengembangan Bandara Fatmawati	O	-	-	-	Airport	-	-
ID-62	Indonesia	Pengembangan Pelabuhan Pulau Baai Bengkulu	O	-	-	-	Seaport	-	-
ID-63	Indonesia	Pembangunan Jalan Tol Lubuk Linggau - Curup - Bengkulu	O	-	-	-	Road	-	-
ID-64	Indonesia	Pengembangan Bandara Tanjung Padan (Hanan Judin)	O	-	-	-	Airport	-	-
ID-65	Indonesia	Pengembangan Bandara Depati Amir	O	-	-	-	Airport	-	-
ID-66	Indonesia	Pengembangan Pelabuhan Samudera Tj. Berikat - Bangka Tengah	O	-	-	-	Seaport	-	-
ID-67	Indonesia	Pengembangan Pelabuhan Muntok - Pelabuhan Tj. Berikat (P. Bangka Ruas Tj. Batu - Manggar (P. Belitung)	O	-	-	-	Seaport	-	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-10. Japan

(1) Connectivity Map



(2) Project Sheet

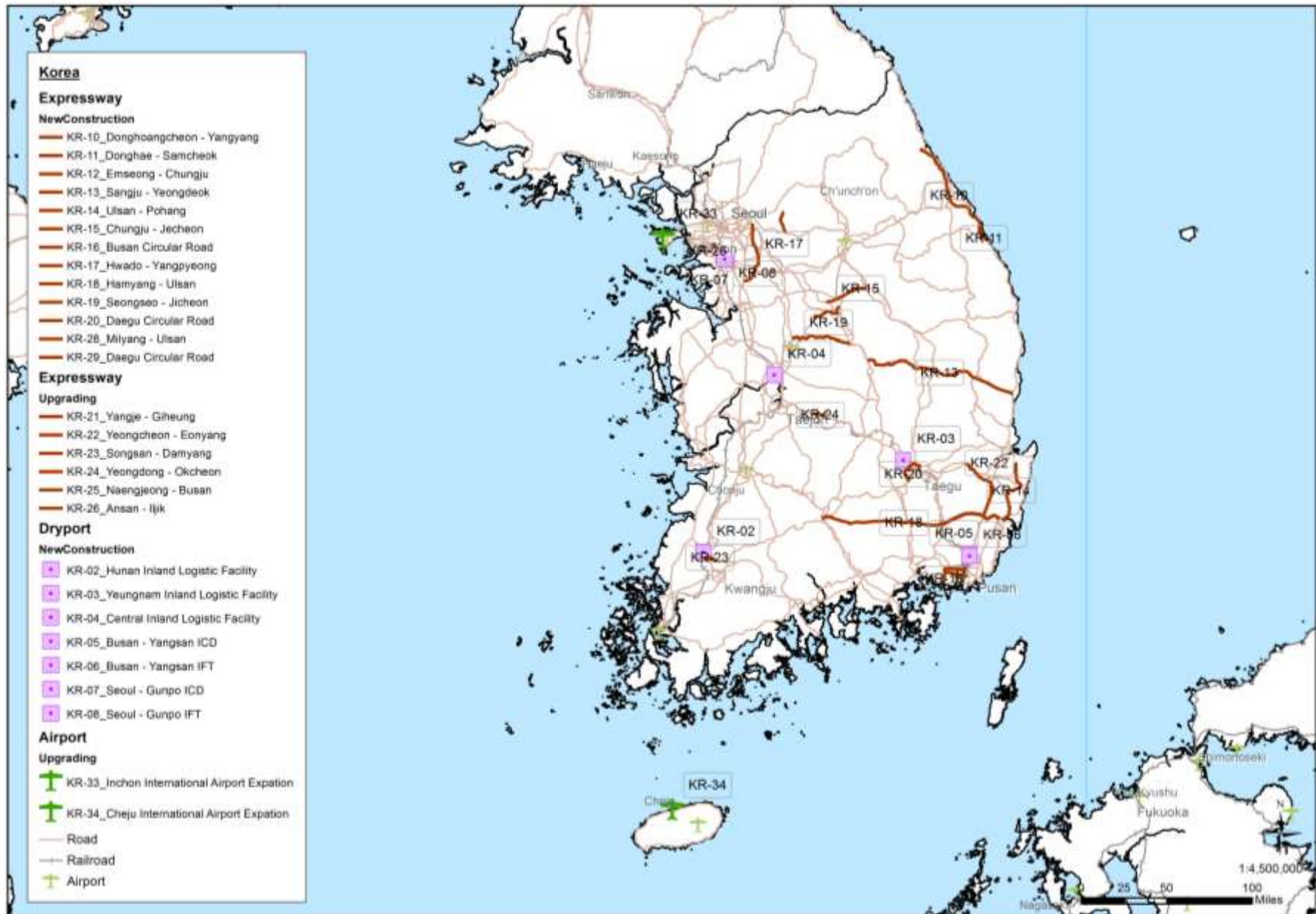
#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
JP-01	Japan	Hokkaido Shinkansen (Shin-Hakodate-Hokuto to Sapporo)	O	by 2030	-	-	Railway	NewConstruction	HighSpeedRailway
JP-02	Japan	Hokkaido Shinkansen (Shin-Aomori to Shin-Hakodate-Hokuto)	O	by 2015	-	-	Railway	NewConstruction	HighSpeedRailway
JP-03	Japan	Hokuriku Shinkansen (Nagano to Kanazawa)	O	by 2015	-	-	Railway	NewConstruction	HighSpeedRailway
JP-04	Japan	Hokuriku Shinkansen (Kanazawa to Tsuruga)	O	by 2022	-	-	Railway	NewConstruction	HighSpeedRailway
JP-05	Japan	Kyushu Shinkansen (Musashi-Onsen to Nagasaki)	O	by 2022	-	-	Railway	NewConstruction	HighSpeedRailway
JP-06	Japan	Tomakomai Port: International Container Terminal Development Project	O	by 2015	-	-	Seaport	Upgrading	-
JP-07	Japan	Sendai-Shiogama Port: International Container Terminal Development Project	O	by 2015	-	-	Seaport	Upgrading	-
JP-08	Japan	Tokyo Port: International Container Terminal Development Project	O	by 2017	-	-	Seaport	Upgrading	-
JP-09	Japan	Yokohama Port: International Container Terminal Development Project	O	by 2020	-	-	Seaport	Upgrading	-
JP-10	Japan	Nagoya Port: International Container Terminal Development Project	O	by 2017	-	-	Seaport	Upgrading	-
JP-11	Japan	Osaka Port: International Container Terminal Development Project	O	by 2015	-	-	Seaport	Upgrading	-
JP-12	Japan	Kobe Port: International Container Terminal Development Project	O	by 2017	-	-	Seaport	Upgrading	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
JP-13	Japan	Hiroshima Port: International Container Terminal Development Project	O	by 2018	-	-	Seaport	Upgrading	-
JP-14	Japan	Naha International Airport: Runway Expansion Project	O	by 2019	-	-	Airport	Upgrading	-
JP-15	Japan	Fukuoka International Airport: Runway Expansion Project	O	by 2024	-	-	Airport	Upgrading	-
JP-16	Japan	Arterial High-Standard Highway (in-service)	O	-	-	-	Road	Ongoing	Expressway
JP-17	Japan	Arterial High-Standard Highway (under construction)	O	not yet determined	-	-	Road	NewConstruction	Expressway

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-11. Korea

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
KR-01	Korea	Korea-China multimodal transport	x	Dec. 2010-continued	-	-	-	-	-
KR-02	Korea	Hunan Inland Logistic Facility	O	-	-	-	Dryport	NewConstruction	-
KR-03	Korea	Yeungnam Inland Logistic Facility	O	-	-	-	Dryport	NewConstruction	-
KR-04	Korea	Central Inland Logistic Facility	O	-	-	-	Dryport	NewConstruction	-
KR-05	Korea	Busan - Yangsan ICD	O	-	-	-	Dryport	NewConstruction	-
KR-06	Korea	Busan - Yangsan IFT	O	-	-	-	Dryport	NewConstruction	-
KR-07	Korea	Seoul - Gunpo ICD	O	-	-	-	Dryport	NewConstruction	-
KR-08	Korea	Seoul - Gunpo IFT	O	-	-	-	Dryport	NewConstruction	-
KR-09	Korea	Jumujin - Sokcho	x	2003-2016	-	-	Road	NewConstruction	Expressway
KR-10	Korea	Donghoangcheon - Yangyang	O	2008-2015	-	-	Road	NewConstruction	Expressway
KR-11	Korea	Donghae - Samcheok	O	2004-2015	-	-	Road	NewConstruction	Expressway
KR-12	Korea	Emseong - Chungju	O	2002-2014	-	-	Road	NewConstruction	Expressway

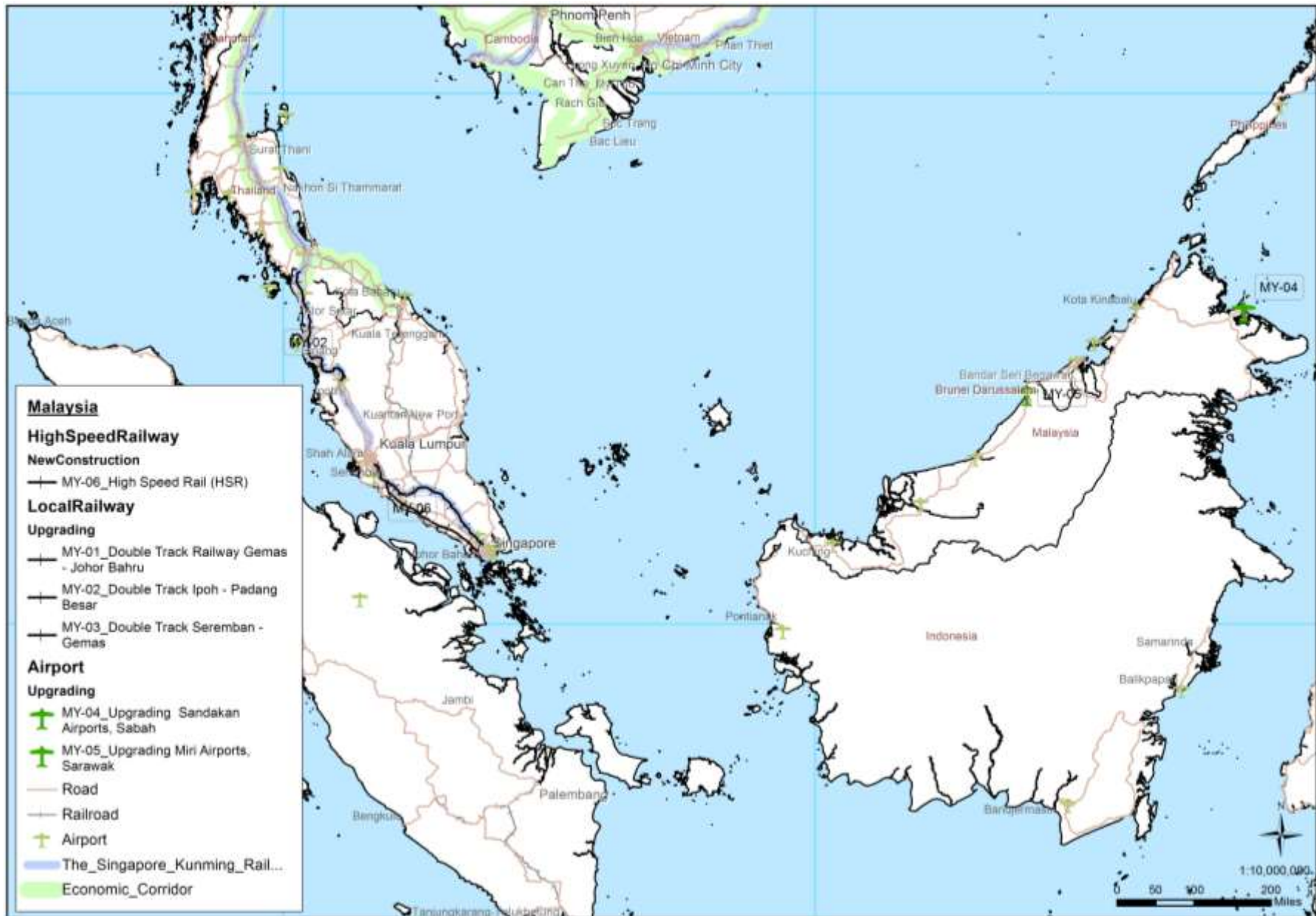
#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
KR-13	Korea	Sangju - Yeongdeok	O	2005-2015	-	-	Road	NewConstruction	Expressway
KR-14	Korea	Ulsan - Pohang	O	2009-2015	-	-	Road	NewConstruction	Expressway
KR-15	Korea	Chungju - Jecheon	O	2009-2014	-	-	Road	NewConstruction	Expressway
KR-16	Korea	Busan Circular Road	O	2006-2015	-	-	Road	NewConstruction	Expressway
KR-17	Korea	Hwado - Yangpyeong	O	2012-2020	7145 (unit:100million)	-	Road	NewConstruction	Expressway
KR-18	Korea	Hamyang - Ulsan	O	2004-2020	-	-	Road	NewConstruction	Expressway
KR-19	Korea	Seongseo - Jicheon	O	2012-2019	4793 (unit:100million)	-	Road	NewConstruction	Expressway
KR-20	Korea	Daegu Circular Road	O	2008-2020	-	-	Road	NewConstruction	Expressway
KR-21	Korea	Yangje - Giheung	O	2013-2015	-	-	Road	Upgrading	Expressway
KR-22	Korea	Yeongcheon - Eonyang	O	2010-2016	-	-	Road	Upgrading	Expressway
KR-23	Korea	Songsan - Damyang	O	2002-2015	-	-	Road	Upgrading	Expressway
KR-24	Korea	Yeongdong - Okcheon	O	2005-2015	-	-	Road	Upgrading	Expressway

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
KR-25	Korea	Naengjeong - Busan	O	2005-2014	-	-	Road	Upgrading	Expressway
KR-26	Korea	Ansan - Ijik	O	2006-2015	-	-	Road	Upgrading	Expressway
KR-27	Korea	Seopyeongtaek - Pyeongtaek	x	2006-2015	1336 (unit:100million)	-	Road	Upgrading	Expressway
KR-28	Korea	Milyang - Ulsan	O	by 2020	21762 (unit:100million)	-	Road	NewConstruction	Expressway
KR-29	Korea	Daegu Circular Road	O	by 2019	8977 (unit:100million)	-	Road	NewConstruction	Expressway
KR-30	Korea	Construction of Gyeongbu high-speed railway	O	2002-2014	-	-	Railway	NewConstruction	HighSpeedRailway
KR-31	Korea	Construction of Honam high-speed railway	O	2006-2017	-	-	Railway	NewConstruction	HighSpeedRailway
KR-32	Korea	Improvement of high-speed railways in the metropolitan area	O	2008-2015	-	-	Railway	Upgrading	HighSpeedRailway
KR-33	Korea	Inchon International Airport Expation	O	-	-	-	Airport	Upgrading	-
KR-34	Korea	Cheju International Airport Expation	O	-	-	-	Airport	Upgrading	-

* Projects which are "Not specified" of location are not shown in the connectivity map.

2-12. Malaysia

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
MY-01	Malaysia	Double Track Railway Gemas - Johor Bahru	O	yet to decide	- RM 7.53 Billion - USD 2.09 Billion	Economic Planning Unit (EPU), Prime Minister's Department Malaysia (Federal Govern)	Railway	Upgrading	LocalRailway
MY-02	Malaysia	Double Track Ipoh - Padang Besar	O	8 January 2008~7 June 2014	- RM 16.01 Billion - USD 4.44 Billion	Economic Planning Unit (EPU), Prime Minister's Department Malaysia (Federal Govern)	Railway	Upgrading	LocalRailway
MY-03	Malaysia	Double Track Seremban - Gemas	O	18 January 2008~31 July 2013	- RM 3.57 Billion - USD 1 Billion	Economic Planning Unit (EPU), Prime Minister's Department Malaysia (Federal Govern)	Railway	Upgrading	LocalRailway
MY-04	Malaysia	Upgrading Sandakan Airports, Sabah	O	30 May 2013~29 November 2014	- RM 70 Million - USD 19.4 Million	Economic Planning Unit (EPU), Prime Minister's Department Malaysia (Federal Govern)	Airport	Upgrading	-
MY-05	Malaysia	Upgrading Miri Airports, Sarawak	O	13 October 2014~12 October 2015	- RM 84 Million - USD 23.3 Million	Economic Planning Unit (EPU), Prime Minister's Department Malaysia (Federal Govern)	Airport	Upgrading	-
MY-06	Malaysia	High Speed Rail (HSR)	O	By 2020	-	-	Railway	NewConstruction	HighSpeedRailway

* Projects which are "Not specified" of location are not shown in the connectivity map.

2-13. Mexico

(1) Connectivity Map



(2) Project Sheet

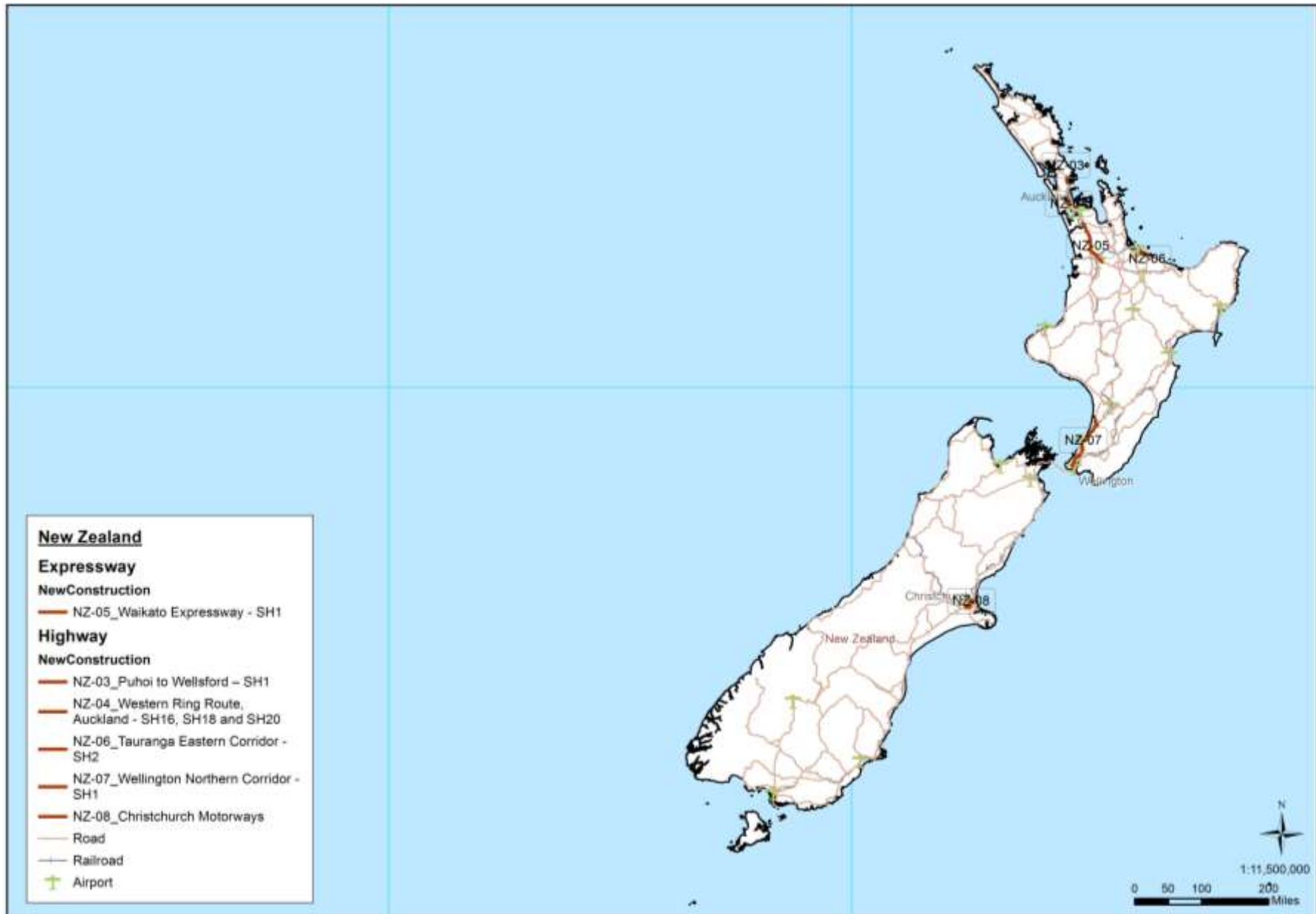
#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgra ding/Ongoing]	Note [Expressway/Highway/H ighSpeedRailway/LocalR ailway]
MX-01	Mexico	Port of Ensenada	O	-	-	-	Seaport	Ongoing	-
MX-02	Mexico	Port of Manzanillo (2)	O	-	-	-	Seaport	Ongoing	-
MX-03	Mexico	Port of Lazaro Cardenas (5)	O	-	-	-	Seaport	Ongoing	-
MX-04	Mexico	Port of Matamoros	O	-	-	-	Seaport	Ongoing	-
MX-05	Mexico	Port of Altamira	O	-	-	-	Seaport	Ongoing	-
MX-06	Mexico	Port of Tuxpan	O	-	-	-	Seaport	Ongoing	-
MX-07	Mexico	Port of Veracruz	O	-	-	-	Seaport	Ongoing	-
MX-08	Mexico	Port of Cd. del Carmen	O	-	-	-	Seaport	Ongoing	-
MX-09	Mexico	Port of Seybaplaya	O	-	-	-	Seaport	Ongoing	-
MX-10	Mexico	Port of Isthmus of Tehuantepec	O	-	-	-	Seaport	Ongoing	-
MX-11	Mexico	Port of Puerto Chiapas	O	-	-	-	Seaport	Ongoing	-
MX-12	Mexico	New Airport of Mexico City	O	by October 2020 (first stage)	-	-	Airport	NewConstruction	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgra ding/Ongoing]	Note [Expressway/Highway/Hi ghSpeedRailway/LocalR ailway]
MX-13	Mexico	Train Interurban (Long-Distance) Mexico – Toluca	O	2014 - 2018	42,721.51 million pesos	-	Railway	NewConstruction	LocalRailway
MX-14	Mexico	Railway Bypass Celaya	O	2014 -	6,502.15 million pesos	-	Railway	NewConstruction	LocalRailway
MX-15	Mexico	Rail Rehabilitation Chiapas-Mayab	O	2014 - 2018	6,058 millions of pesos	-	Railway	Upgrading	LocalRailway
MX-16	Mexico	Extension of Suburban Train 1 to Huehuet Oca	O	-	5,900 million pesos	-	Railway	Upgrading	LocalRailway
MX-17	Mexico	Aguascalientes Railway Network - Guadalajara, First Stage	O	-	1,417.5 millions pesos	-	Railway	NewConstruction	LocalRailway
MX-18	Mexico	Airport in the Istmo Region (Ixtotec, Oaxaca)	O	-	361.21 million pesos	-	Airport	NewConstruction	-
MX-19	Mexico	Chetumal Airport	O	-	320.62 million pesos	-	Airport	Upgrading	-

* Projects which are “Not specified” of location are not shown in the connectivity map .

2-14. New Zealand

(1) Connectivity Map



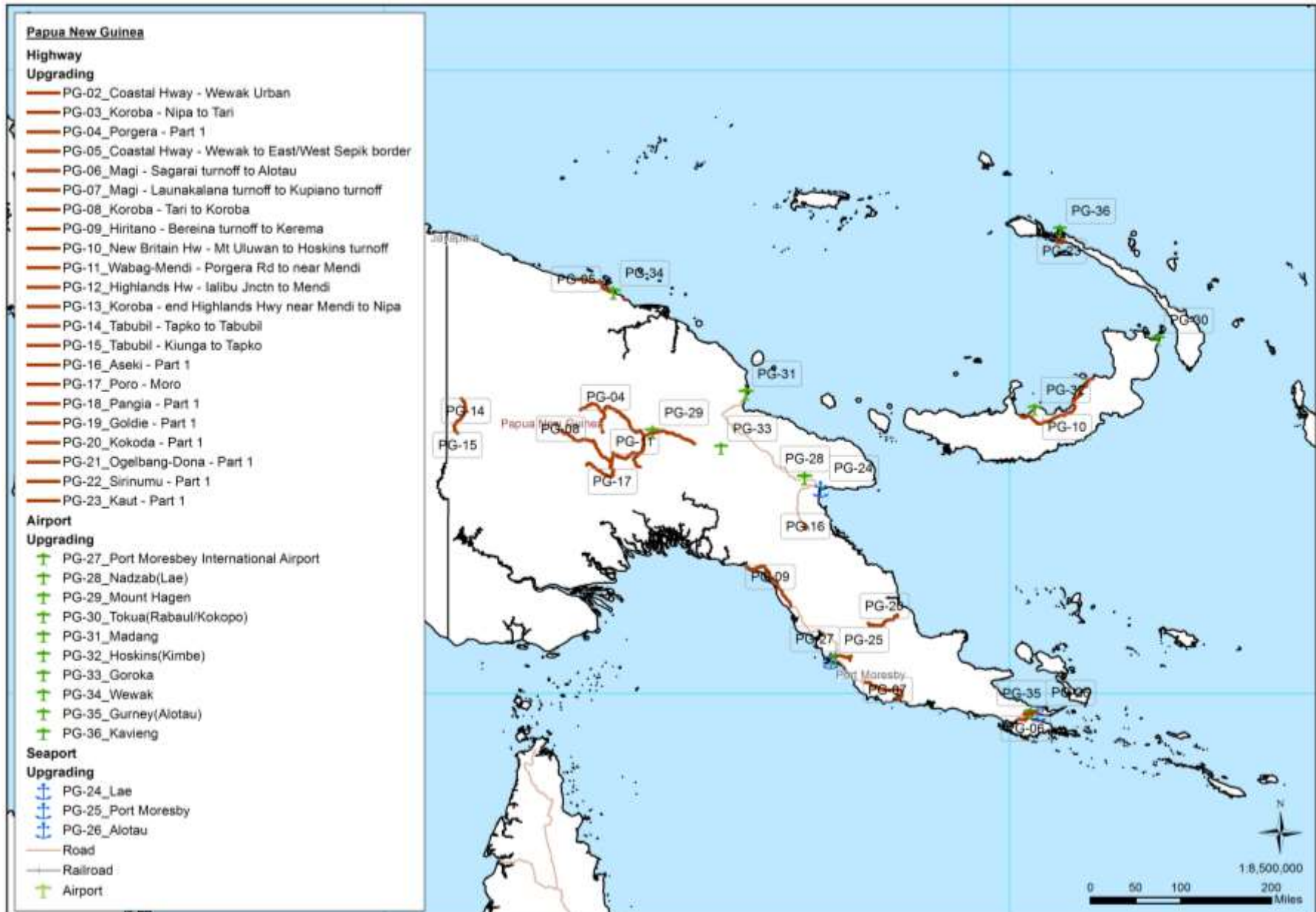
(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
NZ-01	New Zealand	Air Services Liberalisation	x	Ongoing	N/a	N/a	Soft Project	-	-
NZ-02	New Zealand	Main Highway – Ellerslie Highway Northbound auxiliary lane	x	2015-2018	-	-	Road	NewConstruction	Highway
NZ-03	New Zealand	Puhoi to Wellsford – SH1	O	2016-2022	\$760M estimate	-	Road	NewConstruction	Highway
NZ-04	New Zealand	Western Ring Route, Auckland - SH16, SH18 and SH20	O	2015-2018	-	-	Road	NewConstruction	Highway
NZ-05	New Zealand	Waikato Expressway - SH1	O	2009-2019	\$100 million +	-	Road	NewConstruction	Expressway
NZ-06	New Zealand	Tauranga Eastern Corridor - SH2	O	2011-2015	\$100 million +	-	Road	NewConstruction	Highway
NZ-07	New Zealand	Wellington Northern Corridor - SH1	O	-	\$100 million +	-	Road	NewConstruction	Highway
NZ-08	New Zealand	Christchurch Motorways	O	-	\$100 million +	-	Road	NewConstruction	Highway
NZ-09	New Zealand	KiwiRail DART Developing Auckland's Rail Transport	x	-	\$600 million	-	Railway	Upgrading	LocalRailway

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-15. Papua New Guinea

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PG-01	Papua New Guinea	Major Road Missing Links	x	2015-2020	-	Government and other Development Partners	Road	Upgrading	Highway
PG-02	Papua New Guinea	Coastal Hwy - Wewak Urban	O	by 2018	12.4 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-03	Papua New Guinea	Koroba - Nipa to Tari	O	by 2018	129.6 Kina millions (only capital expenditure)	-	Road	Upgrading	Highway
PG-04	Papua New Guinea	Porgera - Part 1	O	by 2018	67.0 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-05	Papua New Guinea	Coastal Hwy - Wewak to East/West Sepik border	O	by 2018	26.7 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-06	Papua New Guinea	Magi - Sagarai turnoff to Alotau	O	by 2018	19.6 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-07	Papua New Guinea	Magi - Launakalana turnoff to Kupiano turnoff	O	by 2018	31.9 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-08	Papua New Guinea	Koroba - Tari to Koroba	O	by 2018	53.1 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-09	Papua New Guinea	Hiritano - Bereina turnoff to Kerema	O	by 2018	51.9 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-10	Papua New Guinea	New Britain Hw - Mt Uluwan to Hoskins turnoff	O	by 2018	28.3 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-11	Papua New Guinea	Wabag-Mendi - Porgera Rd to near Mendi	O	by 2018	178.0 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-12	Papua New Guinea	Highlands Hw - Ialibu Jcnctn to Mendi	O	by 2018	43.3 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway

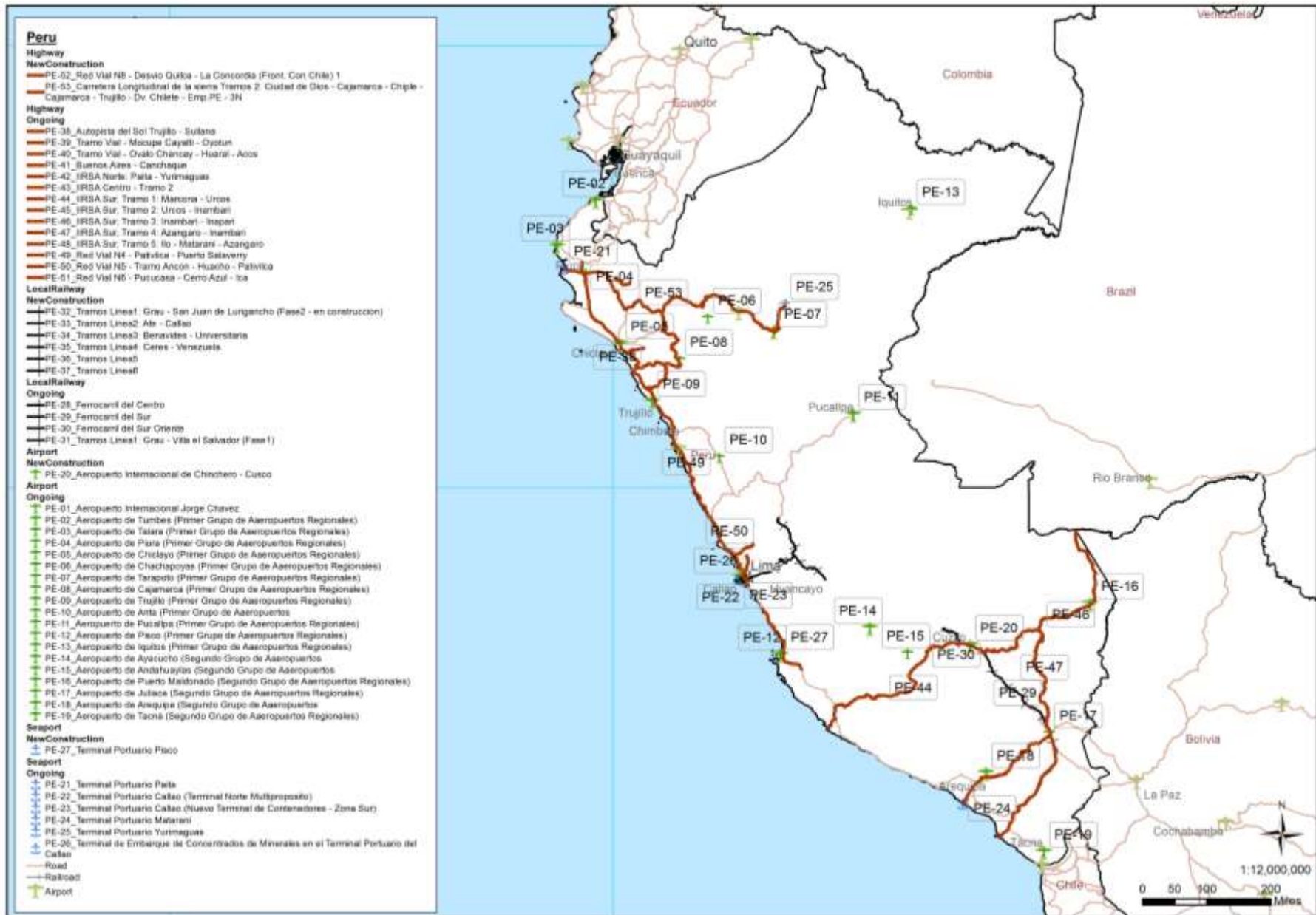
#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PG-13	Papua New Guinea	Koroba - end Highlands Hwy near Mendi to Nipa	O	by 2018	146.2 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-14	Papua New Guinea	Tabubil - Tapko to Tabubil	O	by 2018	65.3 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-15	Papua New Guinea	Tabubil - Kiunga to Tapko	O	by 2018	105.3 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-16	Papua New Guinea	Aseki - Part 1	O	by 2018	17.6 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-17	Papua New Guinea	Poru - Moro	O	by 2018	153.9 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-18	Papua New Guinea	Pangia - Part 1	O	by 2018	32.5 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-19	Papua New Guinea	Goldie - Part 1	O	by 2018	9.2 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-20	Papua New Guinea	Kokoda - Part 1	O	by 2018	70.2 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-21	Papua New Guinea	Ogelbang-Dona - Part 1	O	by 2018	13.8 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-22	Papua New Guinea	Sirinumu - Part 1	O	by 2018	13.6 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-23	Papua New Guinea	Kaut - Part 1	O	by 2018	34.3 Kina millions (including upgrade and maintain cost)	-	Road	Upgrading	Highway
PG-24	Papua New Guinea	Lae	O	by 2018	1511.5 Kina millions (only upgrade cost)	PNGPCL, ADB loan	Seaport	Upgrading	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PG-25	Papua New Guinea	Port Moresby	O	by 2018	234.5 Kina millions (only upgrade cost)	PNGPCL, Development Budget	Seaport	Upgrading	-
PG-26	Papua New Guinea	Alotau	O	by 2018	57.5 Kina millions (only upgrade cost)	CSO funding, Development Budget	Seaport	Upgrading	-
PG-27	Papua New Guinea	Port Moresby International Airport	O	by 2014	-	CADIP-Proj 1	Airport	Upgrading	-
PG-28	Papua New Guinea	Nadzab(Lae)	O	by 2016	139 Kina millions (only upgrade cost)	CADIP-Proj 2	Airport	Upgrading	-
PG-29	Papua New Guinea	Mount Hagen	O	by 2018	205 Kina millions (only upgrade cost)	CADIP-Proj 1, CADIP-Proj 3	Airport	Upgrading	-
PG-30	Papua New Guinea	Tokua(Rabaul/Kokopo)	O	by 2016	70 Kina millions (only upgrade cost)	CADIP-Proj 2	Airport	Upgrading	-
PG-31	Papua New Guinea	Madang	O	by 2016	79 Kina millions (only upgrade cost)	CADIP-Proj 2	Airport	Upgrading	-
PG-32	Papua New Guinea	Hoskins(Kimbe)	O	by 2018	149 Kina millions (only upgrade cost)	CADIP-Proj 1, CADIP-Proj 3	Airport	Upgrading	-
PG-33	Papua New Guinea	Goroka	O	by 2016	46 Kina millions (only upgrade cost)	CADIP-Proj 2	Airport	Upgrading	-
PG-34	Papua New Guinea	Wewak	O	by 2014	35 Kina millions (only upgrade cost)	CADIP-Proj 1	Airport	Upgrading	-
PG-35	Papua New Guinea	Gurney(Alotau)	O	by 2014	21 Kina millions (only upgrade cost)	CADIP-Proj 1	Airport	Upgrading	-
PG-36	Papua New Guinea	Kavieng	O	by 2016	47 Kina millions (only upgrade cost)	CADIP-Proj 2	Airport	Upgrading	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-16. Peru

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PE-01	Peru	Aeropuerto Internacional Jorge Chavez	O	2001 (the start year of the concession)	1061.5 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-02	Peru	Aeropuerto de Tumbes (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-03	Peru	Aeropuerto de Talara (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-04	Peru	Aeropuerto de Piura (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-05	Peru	Aeropuerto de Chiclayo (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-06	Peru	Aeropuerto de Chachapoyas (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-07	Peru	Aeropuerto de Tarapoto (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-08	Peru	Aeropuerto de Cajamarca (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-09	Peru	Aeropuerto de Trujillo (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-10	Peru	Aeropuerto de Anta (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-11	Peru	Aeropuerto de Pucallpa (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-12	Peru	Aeropuerto de Pisco (Primer Grupo de Aaeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PE-13	Peru	Aeropuerto de Iquitos (Primer Grupo de Aeropuertos Regionales)	O	2006 (the start year of the concession)	108.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-14	Peru	Aeropuerto de Ayacucho (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-15	Peru	Aeropuerto de Andahuaylas (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-16	Peru	Aeropuerto de Puerto Maldonado (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-17	Peru	Aeropuerto de Juliaca (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-18	Peru	Aeropuerto de Arequipa (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-19	Peru	Aeropuerto de Tacna (Segundo Grupo de Aeropuertos Regionales)	O	2011 (the start year of the concession)	79.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Airport	Ongoing	-
PE-20	Peru	Aeropuerto Internacional de Chinchero - Cusco	O	2014 (the start year of the concession)	658,000,000 (USD)	(Iniciativa Publica)	Airport	NewConstruction	-
PE-21	Peru	Terminal Portuario Paita	O	2009 (the start year of the concession)	266.9 millions US\$ (including concession fee)	(Iniciativa Publica)	Seaport	Ongoing	-
PE-22	Peru	Terminal Portuario Callao (Terminal Norte Multiproposito)	O	2011 (the start year of the concession)	883.5 millions US\$ (including concession fee)	(Iniciativa Publica)	Seaport	Ongoing	-
PE-23	Peru	Terminal Portuario Callao (Nuevo Terminal de Contenedores - Zona Sur)	O	2006 (the start year of the concession)	704.8 millions US\$ (including concession fee)	(Iniciativa Publica)	Seaport	Ongoing	-
PE-24	Peru	Terminal Portuario Matarani	O	1999 (the start year of the concession)	6.8 millions US\$ (including concession fee)	(Iniciativa Publica)	Seaport	Ongoing	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PE-25	Peru	Terminal Portuario Yurimaguas	O	2011 (the start year of the concession)	43.7 millions US\$ (including concession fee)	(Iniciativa Publica)	Seaport	Ongoing	-
PE-26	Peru	Terminal de Embarque de Concentrados de Minerales en el Terminal Portuario del Callao	O	2011 (the start year of the concession)	120.3 millions US\$ (including concession fee)	(Iniciativa Privada)	Seaport	Ongoing	-
PE-27	Peru	Terminal Portuario Pisco	O	2014 (the start year of the concession)	-	(Iniciativa Publica)	Seaport	NewConstruction	-
PE-28	Peru	Ferrocarril del Centro	O	1999 (the start year of the concession)	-	(Iniciativa Publica)	Railway	Ongoing	LocalRailway
PE-29	Peru	Ferrocarril del Sur	O	1999 (the start year of the concession)	-	(Iniciativa Publica)	Railway	Ongoing	LocalRailway
PE-30	Peru	Ferrocarril del Sur Oriente	O	1999 (the start year of the concession)	-	(Iniciativa Publica)	Railway	Ongoing	LocalRailway
PE-31	Peru	Tramos Linea1: Grau - Villa el Salvador (Fase1)	O	by 2013	225.0 millions US\$ (including concession fee)	(Iniciativa Publica)	Railway	Ongoing	LocalRailway
PE-32	Peru	Tramos Linea1: Grau - San Juan de Lurigancho (Fase2 - en construccion)	O	by 2014	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway
PE-33	Peru	Tramos Linea2: Ate - Callao	O	-	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway
PE-34	Peru	Tramos Linea3: Benavides - Universitaria	O	-	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway
PE-35	Peru	Tramos Linea4: Ceres - Venezuela	O	-	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway
PE-36	Peru	Tramos Linea5	O	-	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PE-37	Peru	Tramos Linea6	O	-	-	(Iniciativa Publica)	Railway	NewConstruction	LocalRailway
PE-38	Peru	Autopista del Sol Trujillo - Sullana	O	2009 (the start year of the concession)	300,0 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-39	Peru	Tramo Vial - Mocupe Cayalti - Oyotun	O	2009 (the start year of the concession)	24.9 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-40	Peru	Tramo Vial - Ovalo Chancay - Huaral - Acos	O	2009 (the start year of the concession)	41.6 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-41	Peru	Buenos Aires - Canchaque	O	2007 (the start year of the concession)	36.7 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-42	Peru	IIRSA Norte: Paita - Yurimaguas	O	2005 (the start year of the concession)	493.4 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-43	Peru	IIRSA Centro - Tramo 2	O	2010 (the start year of the concession)	100.0 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-44	Peru	IIRSA Sur, Tramo 1: Marcona - Urcos	O	2007 (the start year of the concession)	135.9 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-45	Peru	IIRSA Sur, Tramo 2: Urcos - Inambari	O	2005 (the start year of the concession)	653.7 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-46	Peru	IIRSA Sur, Tramo 3: Inambari - Inapari	O	2005 (the start year of the concession)	616.1 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-47	Peru	IIRSA Sur, Tramo 4: Azangaro - Inambari	O	2005 (the start year of the concession)	644.5 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-48	Peru	IIRSA Sur, Tramo 5: Ilo - Matarani - Azangaro	O	2007 (the start year of the concession)	195.1 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PE-49	Peru	Red Vial N4 - Pativilca - Puerto Salaverry	O	2009 (the start year of the concession)	286.2 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-50	Peru	Red Vial N5 - Tramo Ancon - Huacho - Pativilca	O	2003 (the start year of the concession)	75.0 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-51	Peru	Red Vial N6 - Pucucasa - Cerro Azul - Ica	O	2005 (the start year of the concession)	231.9 millions US\$ (including concession fee)	(Iniciativa Publica)	Road	Ongoing	Highway
PE-52	Peru	Red Vial N8 - Desvio Quilca - La Concordia (Front. Con Chile) 1	O	2013 (the start year of the concession)	-	(Iniciativa Publica)	Road	NewConstruction	Highway
PE-53	Peru	Carretera Longitudinal de la sierra Tramos 2: Ciudad de Dios - Cajamarca - Chiple - Cajamarca - Trujillo - Dv. Chilete - Emp.PE - 3N	O	2014 (the start year of the concession)	-	(Iniciativa Publica)	Road	NewConstruction	Highway

* Projects which are "Not specified" of location are not shown in the connectivity map.

2-17. The Philippines

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
PH-01	The Philippines	Road Repair Project : AH26	O	-	-	-	Road	Upgrading	Highway
PH-02	The Philippines	Road Repair Project : Nautical Highway (Western)	O	-	-	-	Road	Upgrading	Highway
PH-03	The Philippines	Road Repair Project : Nautical Highway (Eastern)	O	-	-	-	Road	Upgrading	Highway
PH-04	The Philippines	Road Repair Project : Nautical Highway (Central)	O	-	-	-	Road	Upgrading	Highway
PH-05	The Philippines	Road Repair Project : N1 ROUTE	O	-	-	-	Road	Upgrading	Highway
PH-06	The Philippines	Bypass of Davao	x	-	-	-	Road	NewConstruction	Highway
PH-07	The Philippines	Third Mactan Bridge	x	-	-	-	Road	NewConstruction	Highway
PH-08	The Philippines	Mega Manila North-South Commuter Railway	x	-	24,800 (Php Mil.)	-	Railway	NewConstruction	LocalRailway
PH-09	The Philippines	Metro Manila CBD Transit System Project Study	x	-	75 (Php Mil.)	-	Railway	NewConstruction	LocalRailway
PH-10	The Philippines	MRT (Manila - Mandaluyong)	x	-	-	-	Railway	NewConstruction	LocalRailway
PH-11	The Philippines	LRT2 - East Extension	O	-	9759 (Php Mil.)	-	Railway	NewConstruction	LocalRailway
PH-12	The Philippines	Feasibility Study of a New NAIA	O	-	50 (Php Mil.)	-	Airport	NewConstruction	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-18. The Russian Federation

(1) Connectivity Map



(2) Project Sheet

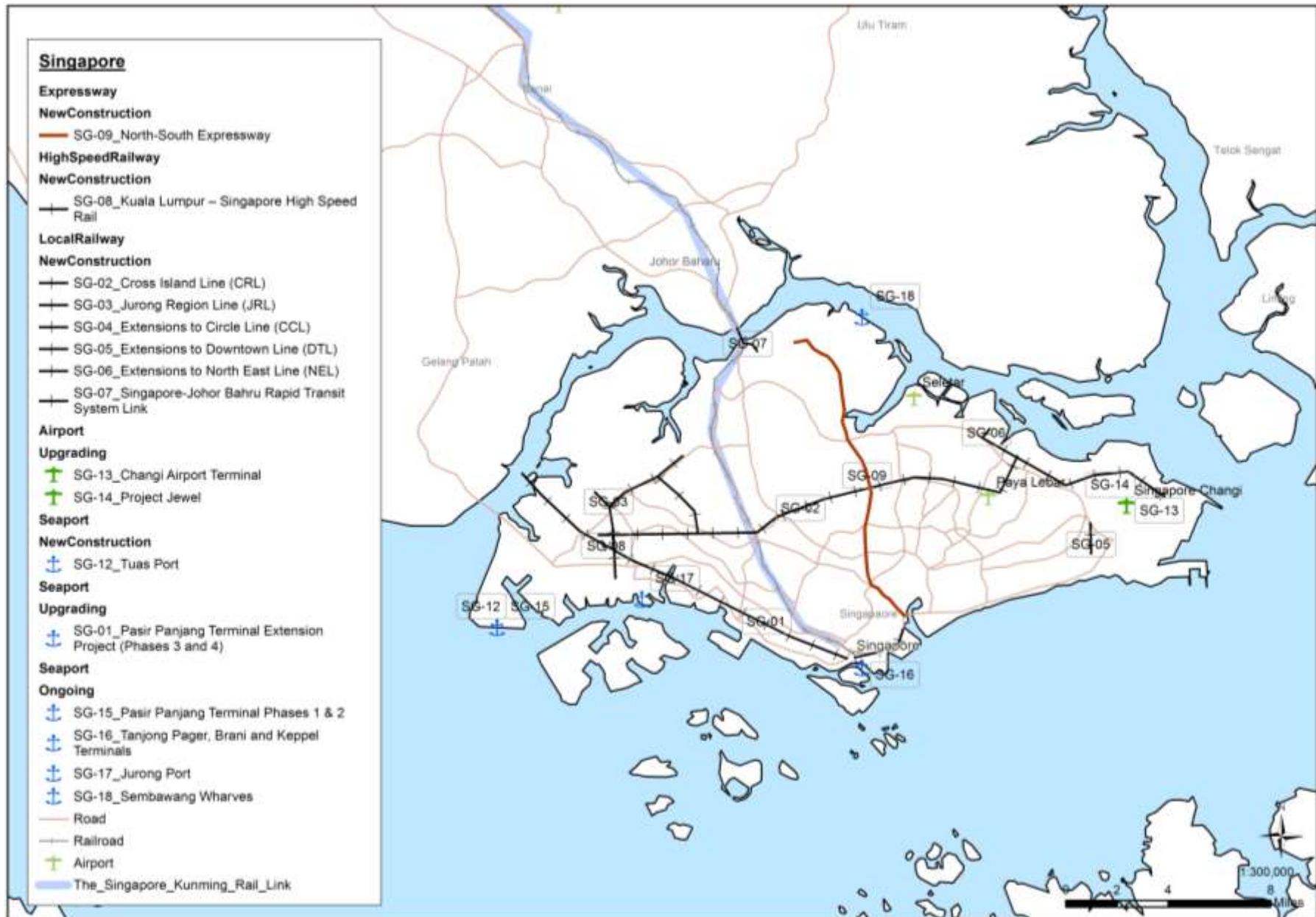
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
RU-01	The Russian Federation	Vladivostok International airport	O	2009-until present time	18,3 billions rub	Budgetary and extrabudgetary sources	Airport	Upgrading	-
RU-02	The Russian Federation	Khabarovsk International airport	O	2012-2019	10 883, 4 billions rub.	Budgetary and extrabudgetary sources	Airport	Upgrading	-
RU-03	The Russian Federation	Europe-Western China transport corridor on the territory of the Russian Federation	O	2011-2021	To be adjusted	Federal and regional budgets of the Russian Federation, private sources, funds of international financing organizations	Road	NewConstruction	Highway
RU-04	The Russian Federation	Construction of the road Chita – Zabaikalsk – the border with China	x	2016-2018	3 billions rub.	Federal budget	Road	NewConstruction	Highway
RU-05	The Russian Federation	Construction of the road Chita – Zabaikalsk – the border with China	x	2016-2018	4 billions rub. (under definition)	Federal budget	Road	NewConstruction	Highway
RU-06	The Russian Federation	Construction of a petrochemical complex with a capacity up to 30 mln. tons per year.	O	2014-2025	21 billions rub.	refined	Seaport	Upgrading	-
RU-07	The Russian Federation	Construction of the 2nd stage of the oil shipment terminal in Kozmino.	O	2013-2016	The cost of construction of federal property – 602 mln.rub.	Federal property financed from the federal budget – 602 mln.rub.	Seaport	Upgrading	-
RU-08	The Russian Federation	Construction of a coal handling terminal at the seaport Vostochny capacity of 20 million. tons.	O	2013-2025	25,5 billion rub.	Federal property financed from the federal budget – 12.6 billion rubles. Objects investor financed by investor – 12.8 billion rubles.	Seaport	Upgrading	-
RU-09	The Russian Federation	The construction of a port terminal liquefied natural gas plant near Vladivostok.	O	2012-2018	14,9 billion rub.	Investor's funds	Seaport	Upgrading	-
RU-10	The Russian Federation	Construction of a universal and specialized cargo terminal for handling cargo in the seaport Zarubino.	O	refined	-	Investor's funds	Seaport	Upgrading	-
RU-11	The Russian Federation	Construction of a specialized grain terminal.	O	2014-2019	-	Investor's funds	Seaport	Upgrading	-
RU-12	The Russian Federation	Trade port Posiet retooling	O	2012-2018	6,1 billion rub.	Investor's funds	Seaport	Upgrading	-

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
RU-13	The Russian Federation	Construction of a specialized coal handling terminal in the bay Muchka.	O	2012-2020	25,5 billion rub.	Construction of federal property – the federal budget.	Seaport	Upgrading	-
RU-14	The Russian Federation	Designing and construction of the marine station in the Petropavlovsk-Kamchatsky.	O	2014-2016	Construction of federal property – 572,8 mln.rub.	Federal budget	Seaport	Upgrading	-
RU-15	The Russian Federation	Reconstruction of the railway section Hassan (Russia) – Rajin (Democratic People’s Republic of Korea) and the construction of a container terminal at the port of Rajin (Democratic People’s Republic of Korea).	x	2008-2014	-	JSC “Russian Railways”, Democratic People’s Republic of Korea’s payment.	Railway	Upgrading	LocalRailway
RU-16	The Russian Federation	Construction of the railway infrastructure on the island of Kalimantan (Indonesia).	O	2014-2017	-	Stockholders’ funds, borrowings funds under the guarantee of JSC “Russian Railways”.	Railway	NewConstruction	LocalRailway
RU-17	The Russian Federation	Increase the transit capacity of the Ulaanbaatar Railway.	O	2009-2020	refined	Borrowings funds, Government of the Russian Federation and Government of Mongolia funds’.	Railway	Upgrading	LocalRailway

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-19. Singapore

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
SG-01	Singapore	Pasir Panjang Terminal Extension Project (Phases 3 and 4)	O	To be fully operational by end 2017	3.5 billion SGD	-	Seaport	Upgrading	-
SG-02	Singapore	Cross Island Line (CRL)	O	~2030	-	-	Railway	NewConstruction	LocalRailway
SG-03	Singapore	Jurong Region Line (JRL)	O	~2030	-	-	Railway	NewConstruction	LocalRailway
SG-04	Singapore	Extensions to Circle Line (CCL)	O	~2030	-	-	Railway	NewConstruction	LocalRailway
SG-05	Singapore	Extensions to Downtown Line (DTL)	O	To ready by in three stages (2013, 2015 and 2017)	20.7 billion SGD [approximately]	Government of Singapore	Railway	NewConstruction	LocalRailway
SG-06	Singapore	Extensions to North East Line (NEL)	O	~2030	-	-	Railway	NewConstruction	LocalRailway
SG-07	Singapore	Singapore-Johor Bahru Rapid Transit System Link	O	~2030	-	-	Railway	NewConstruction	LocalRailway
SG-08	Singapore	Kuala Lumpur – Singapore High Speed Rail	O	~2030	-	-	Railway	NewConstruction	HighSpeedRailway
SG-09	Singapore	North-South Expressway	O	-	-	-	Road	NewConstruction	Expressway
SG-10	Singapore	Reversible flow along Kranji Expressway	O	-	-	-	Road	Upgrading	Expressway
SG-11	Singapore	Ongoing review of the Singapore Underground Road System (SURS)	x	-	-	-	Soft Project	-	-
SG-12	Singapore	Tuas Port	O	Phase 1 reclamation to be completed by 2021	2.4 billion SGD	-	Seaport	NewConstruction	-

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New/Construction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
SG-13	Singapore	Changi Airport Terminal 4	O	To be opened in 2017	1.73 billion SGD	-	Airport	Upgrading	-
SG-14	Singapore	Project Jewel	O	To be opened end 2018	1.57 billion SGD	-	Airport	Upgrading	-
SG-15	Singapore	Pasir Panjang Terminal Phases 1 & 2	O	-	-	-	Seaport	Ongoing	-
SG-16	Singapore	Tanjong Pagar, Brani and Keppel Terminals	O	-	-	-	Seaport	Ongoing	-
SG-17	Singapore	Jurong Port	O	-	-	-	Seaport	Ongoing	-
SG-18	Singapore	Sembawang Wharves	O	-	-	-	Seaport	Ongoing	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

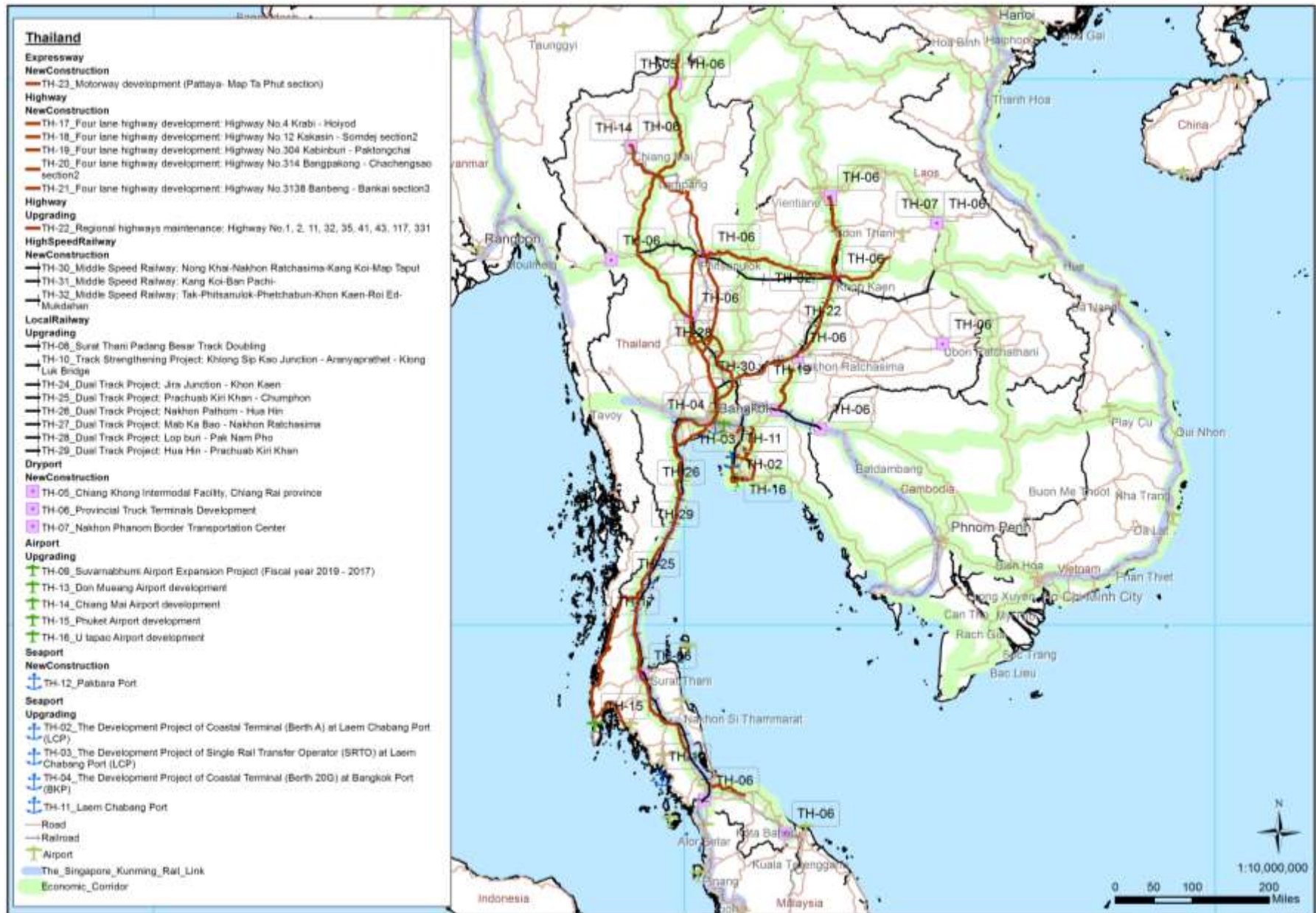
(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
TW-01	Chinese Taipei	Freeway	O	by 2013	-	-	Road	NewConstruction	Highway
TW-02	Chinese Taipei	Expressway	O	by 2013	-	-	Road	NewConstruction	Expressway
TW-03	Chinese Taipei	Taiwan Tanyuan International Airport Extention	O	-	-	-	Airport	Upgrading	-
TW-04	Chinese Taipei	Taiwan Taoyuan International Airport Terminal 3 Project	O	2013-2020	NT\$72.6 Billion	Self-Financed	Airport	Upgrading	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-21. Thailand

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
TH-01	Thailand	Feasibility study and Preliminary design on aero-industry of Thailand	x	26 SEP 2014 – 25 SEP 2015	74,900,000 Baht	Fiscal Budget (2014-2016)	Airport	-	-
TH-02	Thailand	The Development Project of Coastal Terminal (Berth A) at Laem Chabang Port (LCP)	O	The project is expected to be completed and in operational by 2017.	1,864.19 million Baht (Tax included)	PAT	Seaport	Upgrading	-
TH-03	Thailand	The Development Project of Single Rail Transfer Operator (SRTO) at Laem Chabang Port (LCP)	O	The project is expected to be completed and in operational by 2017.	2,944.93 million Baht	PAT	Seaport	Upgrading	-
TH-04	Thailand	The Development Project of Coastal Terminal (Berth 20G) at Bangkok Port (BKP)	O	The project is expected to be completed and in operational by 2017.	510 million Baht	PAT	Seaport	Upgrading	-
TH-05	Thailand	Chiang Khong Intermodal Facility, Chiang Rai province	O	Phase 1: 2017 – 2019 (Construction period) Phase 2: 2020 - 2022 (Construction period)	Annual Government Budget	-	Dryport	NewConstruction	-
TH-06	Thailand	Provincial Truck Terminals Development	O	Phase 1 (Border cities): 2018 - 2020 (Construction period) Phase 2 (Major cities): 2019 - 2021 (Construction period)	372.1 million USD (11,856.88 million Baht)	Annual Government Budget	Dryport	NewConstruction	-
TH-07	Thailand	Nakhon Phanom Border Transportation Center	O	2018 - 2020	30 million USD (955.8 million Baht)	Annual Government Budget	Dryport	NewConstruction	-
TH-08	Thailand	Surat Thani Padang Besar Track Doubling	O	2015 -2020	35,544 million bahts (1,077 million dollars / 15 = T q)	Thai government budget	Railway	Upgrading	LocalRailway
TH-09	Thailand	Suvarnabhumi Airport Expansion Project (Fiscal year 2019 - 2017)	O	2011-2017	62,503.214 Million Baht	AOT/Local Funding	Airport	Upgrading	-
TH-10	Thailand	Track Strengthening Project: Khlong Sip Kao Junction - Aranyaprathet - Klong Luk Bridge	O	Start: July 2013(Contract Signed) Expected Completion: February 2016	2,808 million Thai baht (VAT included)	Annual Government Budget	Railway	Upgrading	LocalRailway
TH-11	Thailand	Laem Chabang Port	O	-	-	-	Seaport	Upgrading	-
TH-12	Thailand	Pakbara Port	O	-	-	-	Seaport	NewConstruction	-

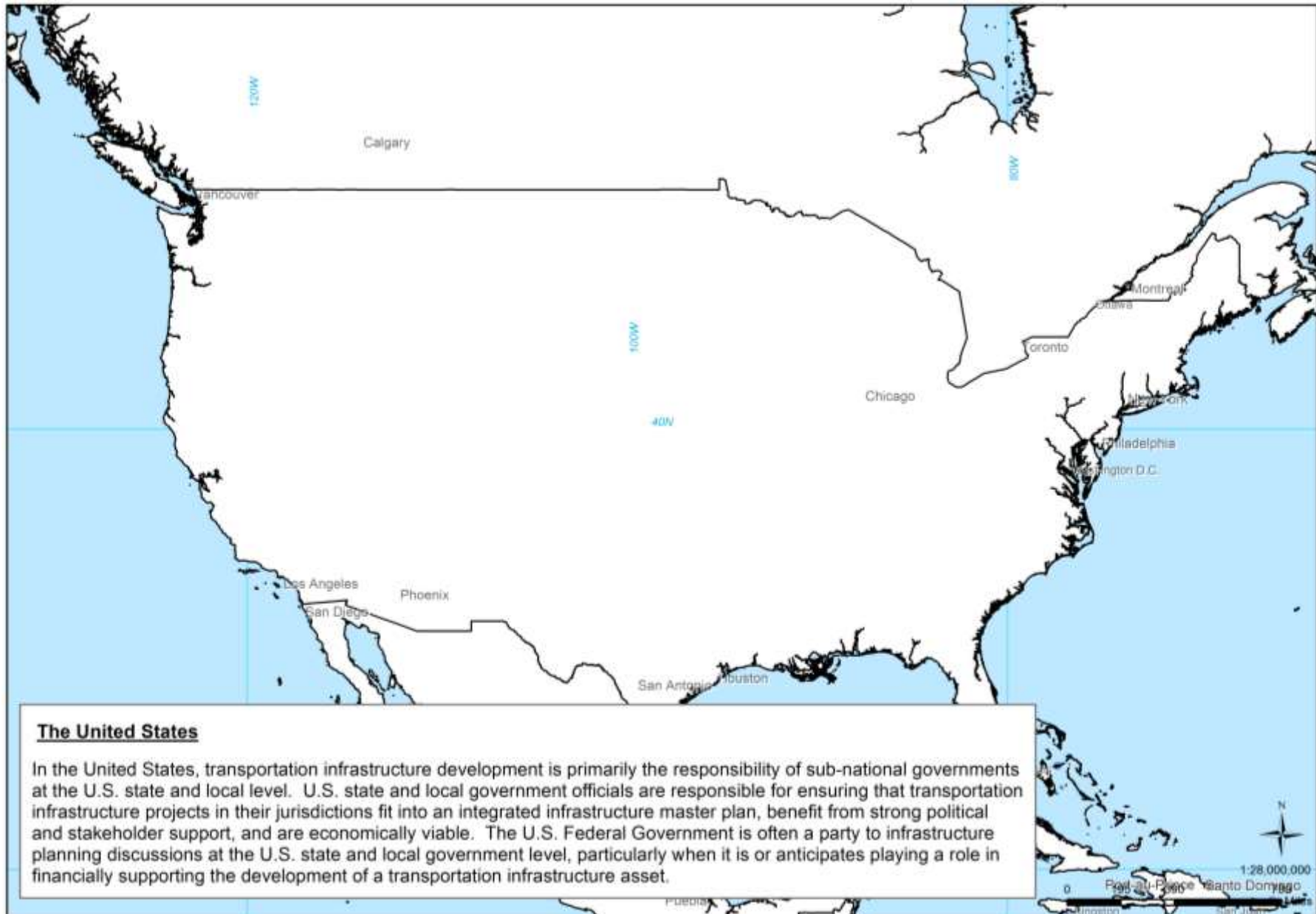
#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
TH-13	Thailand	Don Mueang Airport development	O	-	-	-	Airport	Upgrading	-
TH-14	Thailand	Chiang Mai Airport development	O	-	-	-	Airport	Upgrading	-
TH-15	Thailand	Phuket Airport development	O	-	-	-	Airport	Upgrading	-
TH-16	Thailand	U tapao Airport development	O	-	-	-	Airport	Upgrading	-
TH-17	Thailand	Four lane highway development: Highway No.4 Krabi - Hoiyod	O	-	-	-	Road	NewConstruction	Highway
TH-18	Thailand	Four lane highway development: Highway No.12 Kakasin - Somdej section2	O	-	-	-	Road	NewConstruction	Highway
TH-19	Thailand	Four lane highway development: Highway No.304 Kabinburi - Paktongchai	O	-	-	-	Road	NewConstruction	Highway
TH-20	Thailand	Four lane highway development: Highway No.314 Bangpakong - Chachengsao section2	O	-	-	-	Road	NewConstruction	Highway
TH-21	Thailand	Four lane highway development: Highway No.3138 Banbeng - Bankai section3	O	-	-	-	Road	NewConstruction	Highway
TH-22	Thailand	Regional highways maintenance: Highway No.1, 2, 11, 32, 35, 41, 43, 117, 331	O	-	-	-	Road	Upgrading	Highway
TH-23	Thailand	Motorway development (Pattaya- Map Ta Phut section)	O	-	-	-	Road	NewConstruction	Expressway
TH-24	Thailand	Dual Track Project: Jira Junction - Khon Kaen	O	2015-2018	26,007(million baht)	-	Railway	Upgrading	LocalRailway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
TH-25	Thailand	Dual Track Project: Prachuab Kiri Khan - Chumphon	O	2015-2018	17,293(million baht)	-	Railway	Upgrading	LocalRailway
TH-26	Thailand	Dual Track Project: Nakhon Pathom - Hua Hin	O	2015-2018	20,038(million baht)	-	Railway	Upgrading	LocalRailway
TH-27	Thailand	Dual Track Project: Mab Ka Bao - Nakhon Ratchasima	O	2016-2020	29,855(million baht)	-	Railway	Upgrading	LocalRailway
TH-28	Thailand	Dual Track Project: Lop buri - Pak Nam Pho	O	2016-2020	24,842(million baht)	-	Railway	Upgrading	LocalRailway
TH-29	Thailand	Dual Track Project: Hua Hin - Prachuab Kiri Khan	O	2016-2020	9,437(million baht)	-	Railway	Upgrading	LocalRailway
TH-30	Thailand	Middle Speed Railway: Nong Khai-Nakhon Ratchasima-Kang Koi-Map Taput	O	Conducting feasibility study, EIA and details design. Expected to complete late 2015	-	-	Railway	NewConstruction	HighSpeedRailway
TH-31	Thailand	Middle Speed Railway: Kang Koi-Ban Pachi-Bangkok	O	Conducting feasibility study, EIA and details design. Expected to complete late 2015	-	-	Railway	NewConstruction	HighSpeedRailway
TH-32	Thailand	Middle Speed Railway: Tak-Phitsanulok-Phetchabun-Khon Kaen-Roi Ed-Mukdahan	O	No study	-	-	Railway	NewConstruction	HighSpeedRailway

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-22. The United States

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [New Construction/Upgrading/Ongoing]	Note [Expressway/Highway/High Speed Railway/Local Railway]
-	-	-	-	-	-	-	-	-	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

2-23. Viet Nam

(1) Connectivity Map



(2) Project Sheet

#	Economy	Project Name	Location [O: Specified/ x: Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
VN-01	Viet Nam	Ninh - Binh Thanh Hoa Expressway project	O	6/2016 - 12/2019	18,468 billion VND	Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-02	Viet Nam	Nghi Son - Bai Vot Expressway project	O	12/2015 - 12/2018	20,630 billion VND	- The owner's equity and loans - Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-03	Viet Nam	Bai Vot - Vung Ang Expressway project	O	12/2015 - 12/2017	13,000 billion VND	- The owner's equity and loans - Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-04	Viet Nam	My Thuan - Can Tho Expressway project	O	2016 - 2018	5,812 billion VND	Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-05	Viet Nam	Dau Giay - Lien Khuong Expressway project	O	2017 - 2020	34,656 billion VND	Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-06	Viet Nam	Quang Ngai - Quy Nhon Expressway project	O	2019 - 2023	30,022 billion VND	Expected to mobilize from ODA loans and State budget	Road	NewConstruction	Expressway
VN-07	Viet Nam	Bien Hoa - Vung Tau Expressway project	O	2014 - 2019	25,606 billion VND	-	Road	NewConstruction	Expressway
VN-08	Viet Nam	Cau Giie-Ninh Binh Expressway project	O	-	8,974 billion VND	Government, VEC	Road	Upgrading	Expressway
VN-09	Viet Nam	Noi Bai- Lao Cai Expressway Project	O	-	30,132 billion VND	Government, VEC	Road	Upgrading	Expressway
VN-10	Viet Nam	Ho Chi Minh- Long Thanh - Dau Giay Expressway Project	O	-	20,630 billion VND	Government, VEC	Road	Upgrading	Expressway
VN-11	Viet Nam	Da Nang - Quang Ngai expressway Project	O	2013 - 2018	34,516 billion VND	Government, VEC	Road	NewConstruction	Expressway
VN-12	Viet Nam	Ben Luc - Long Thanh Expressway Project	O	2014 - 2019	31,320 billion VND	Government, VEC	Road	NewConstruction	Expressway

#	Economy	Project Name	Location [O : Specified/ x : Not specified]	Period	Total Cost	Funding Source	Transport Mode	Status [NewConstruction/Upgrading/Ongoing]	Note [Expressway/Highway/HighSpeedRailway/LocalRailway]
VN-13	Viet Nam	Chu Lai International Airport	O	-	3,921 billion VND	ACV Investment fund	Airport	Upgrading	-
VN-14	Viet Nam	Long Thanh International Airport	O	2012 - 2025	164,589 billion VND (7,837 billion USD)	-	Airport	NewConstruction	-
VN-15	Viet Nam	1435mm-gauge Double track railway project (Hanoi - Vinh section)	O	2015 - 2030	9,470 Million USD	-	Railway	NewConstruction	HighSpeedRailway
VN-16	Viet Nam	1435mm-gauge Double track railway project (Saigon - Nha Trang section)	O	2015 - 2030	9,242 Million USD	-	Railway	NewConstruction	HighSpeedRailway
VN-17	Viet Nam	Van Phong International Transshipment Terminal Project	O	2015 - 2018	- Till 2020: app. 2,000 bili.dong - PHASE 2020-2025: app. 2,000 bili.dong - PHASE 2025-2030: 4,500 bili.dong	-	Seaport	NewConstruction	-
VN-18	Viet Nam	Da Nang International Transshipment Terminal Project	O	-	-	-	Seaport	Upgrading	-
VN-19	Viet Nam	Vung Tau International Transshipment Terminal Project	O	-	-	-	Seaport	Upgrading	-

* Projects which are “Not specified” of location are not shown in the connectivity map.

3. Appendix

3-1. Abbreviations and terms

[General]

Type	Abbreviation/Term	Name
Organization	ADB	Asian Development Bank
General term	GMS	Greater Mekong Subregion
Map-related System	GIS	Geographical Information System

[Economies]

Economies	Type	Abbreviation/Term	Name
Australia	Organization	NSW	New South Wales
		QLD	Queensland
		WA	Western Australia
	General term	TBA	To Be Assigned
		TBD	To Be Determined
Canada	Organization	BC	British Columbia
	General term	CDN	Canadian dollar
		CND	Canadian dollar
Hong Kong, China	Organization	HKSAR	Hong Kong Special Administrative Region
	General term	HKD	Hong Kong dollar
Japan	Organization	MLIT	Ministry of Land, Infrastructure, Transport and Tourism, Japan
Korea	General term	ICD	Inland Container Depot
		IFT	International Freight Transport
New Zealand	General term	DART	Developing Auckland's Rail Transport
		SH	State Highway
Papua New Guinea	Organization	CSO	Civil Society Organization
		PNGPCL	Papua New Guinea Ports Corporation Limited
	General term	CADIP	Civil Aviation Development Investment Program
Peru	Organization	IIRSA	Initiative for the Integration of the Regional Infrastructure of South America
The Russian Federation	General term	JSC	Joint Stock Company
Singapore	General term	SGD	Singapore dollar
Chinese Taipei	General term	NT	New Taiwan dollar
Thailand	Organization	AOT	Airports of Thailand
		PAT	Port Authority of Thailand
	General term	EIA	Environmental Impact Assessment
		VAT	Value Added Tax
Vietnam	Organization	ACV	Airports Corporation of Vietnam
		VEC	Vietnam Expressway Corporation
	General term	ODA	Official Development Assistance
		VND	Vietnamese Dong

3-2. Research Materials

Economies	Title (Publication, Year)
Australia	Infrastructure Investment Navigation (Department of Infrastructure and Regional Development, 2015)
Canada	Strategic Transportation Investments (Her Majesty the Queen in Right of Canada, represented by the Minister of Transport, 2014)
Chile	Infrastructure, development and inclusion agenda: CHILE 30 30 (Ministry of Public Works, 2015)
Indonesia	National Medium Term Development Plan 2015 - 2019 (Ministry of National Development Planning/ National Development Planning Agency, 2014)
Korea	Inland Logistics Base (Ministry of Land, Infrastructure & Transport)
Malaysia	High Speed Rail (Land Public Transport Commission)
New Zealand	State Highway Activity Management Plan 2015–18 (NZ Transport Agency, 2014)
Papua New Guinea	National Transport Strategy – VOL 2, Medium Term Transport Plan 2014 - 2018 (Department of Transport, 2013)
Peru	Concessions in Transport Infrastructure (Ministry of Transport and Communications)
	Statistical Yearbook 2013 (Ministry of Transport and Communications, 2013)"
Singapore	Land Transport Master Plan 2013 (Land Transport Authority, 2013)
Chinese Taipei	Chinese Taipei's Transportation Policies and Implementation (Ministry of Transportation and Communications)
Thailand	Dual Track Development: Standard Gauge (Ministry of Transport, 2014)
Viet Nam	Detailed Information on Transport Projects Calling for Investment (Ministry of Transport, 2014)

APEC Project:

Produced by
Policy Bureau
International Policy Division
Ministry of Land, Infrastructure and Transport of Japan
Tel: (+81) 3 5253 8111
Fax: (+81) 3 5253 1561

For
Asia Pacific Economic Cooperation Secretariat
35 Heng Mui Keng Terrace
Singapore 119616
Tel: (+65) 6891 9600
Fax: (+65) 6891 9690
Email: info@apec.org
website: www.apec.org/

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