

# **EATL PHASE II**

# **Prioritization of Infrastructure Projects**

External Consultant

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# Scope

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- Present a consistent and realistic **short, medium and long term investment strategy** for **prioritizing** the identified **infrastructure projects** along the approved and proposed **Priority EATL Routes**.
- Methodology:
  - Prioritizes projects likely to be implemented in selected time periods (short term, medium term, long term).
  - Addresses specific objectives of countries and international character of projects.

# Methodology

- **Phase A:** Recording of prospective projects
- **Phase B:** Score/degree of performance by means of Multi-Criteria Analysis
  - **Criteria**
  - *Cluster A:*
    - Serving international connectivity
    - Promoting solutions to transit transport needs of landlocked developing countries
    - Connecting low income and/or least developed countries to major European and Asian markets
    - Crossing natural barriers, removing bottlenecks, raising substandard sections to meet international standards, or filling missing links in the network
  - *Cluster B:*
    - Having a high degree of maturity (i.e. project stage)
    - Environmental and social impacts
- **Phase C:** Time period classification

# Time Period Classification

- **Category I (committed funding-score 5)**
  - projects which have funding secured and are on-going and expected to be completed in the near future (up to 2013)
- **Category II (score 4-5)**
  - projects which may be funded or their plans are approved and are expected to be implemented rapidly (up to 2016)
- **Category III (score 3-4)**
  - projects requiring some additional investigation for final definition before likely financing and implemented (up to 2020)
- **Category IV (score 1-3)**
  - projects requiring further investigation for final definition and scheduling before possible financing, (most likely to be implemented after 2020)
  - projects for which insufficient data existed
- ***Reserve Category: projects of national importance***

# Total Number of Projects

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- In total **421 projects** were proposed by the participating countries:
  - **311 projects** have been identified to be along the approved and proposed **EATL Phase II Routes** of total cost amounting to approximately **\$215 billion**
  - **Project implementation timespan: 2006-2017**

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# **Analysis on a Country Basis**

# Presentation

- **Infrastructure projects grouped in accordance with:**
  - **Type of infrastructure:**
    - Road projects (ROD)
    - Railway project (RLW)
    - Maritime projects (MAR)
    - Inland waterway projects (INL)
    - Inland terminals/border crossing and other projects (INM)
  - **Only projects of Priority Category I are presented**

**Code No on Map: Project short description (Cost in \$\*/Start Year-End Year)**

*\*Project costs and start/end dates where obtained in year 2011.*

# Afghanistan

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- 35 projects in total, 6 along approved and proposed EATL Routes of total cost \$228 million
- Road
  - 17: Construction of road from Nangarhar kanal to Qarghai in Laghman province (\$3 million/2011-2012)



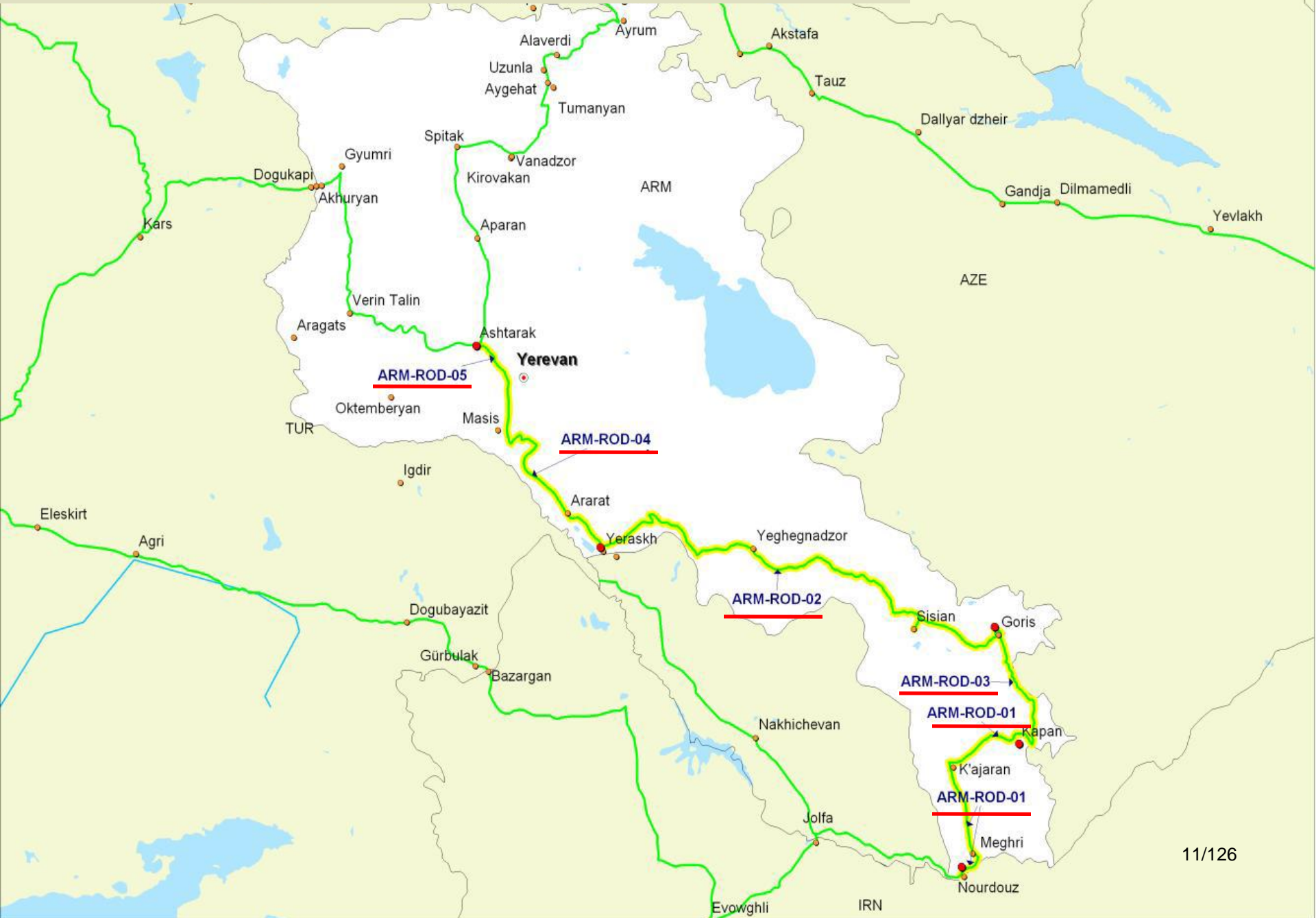


# Armenia

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- **13 projects in total, 10 along approved and proposed EATL Routes of total cost \$3.069 billion**
- **Road**
- **1: Rehabilitation of Existing Road: Iran Border-Kapan (\$48 million/2017)**
- **2: Rehabilitation of Existing Road: Goris-Yeraskh (\$62 million/2017)**
- **3: Rehabilitation of Existing Road: Kapan- Goris (\$348 million/2017)**
- **4: Rehabilitation of Existing Road: Yeraskh- Yerevan (\$7 million/2017)**
- **5: Rehabilitation of Existing Road: Yerevan-Ashtarak (\$52 million/2017)**

# Armenia EATL Road Priority Projects

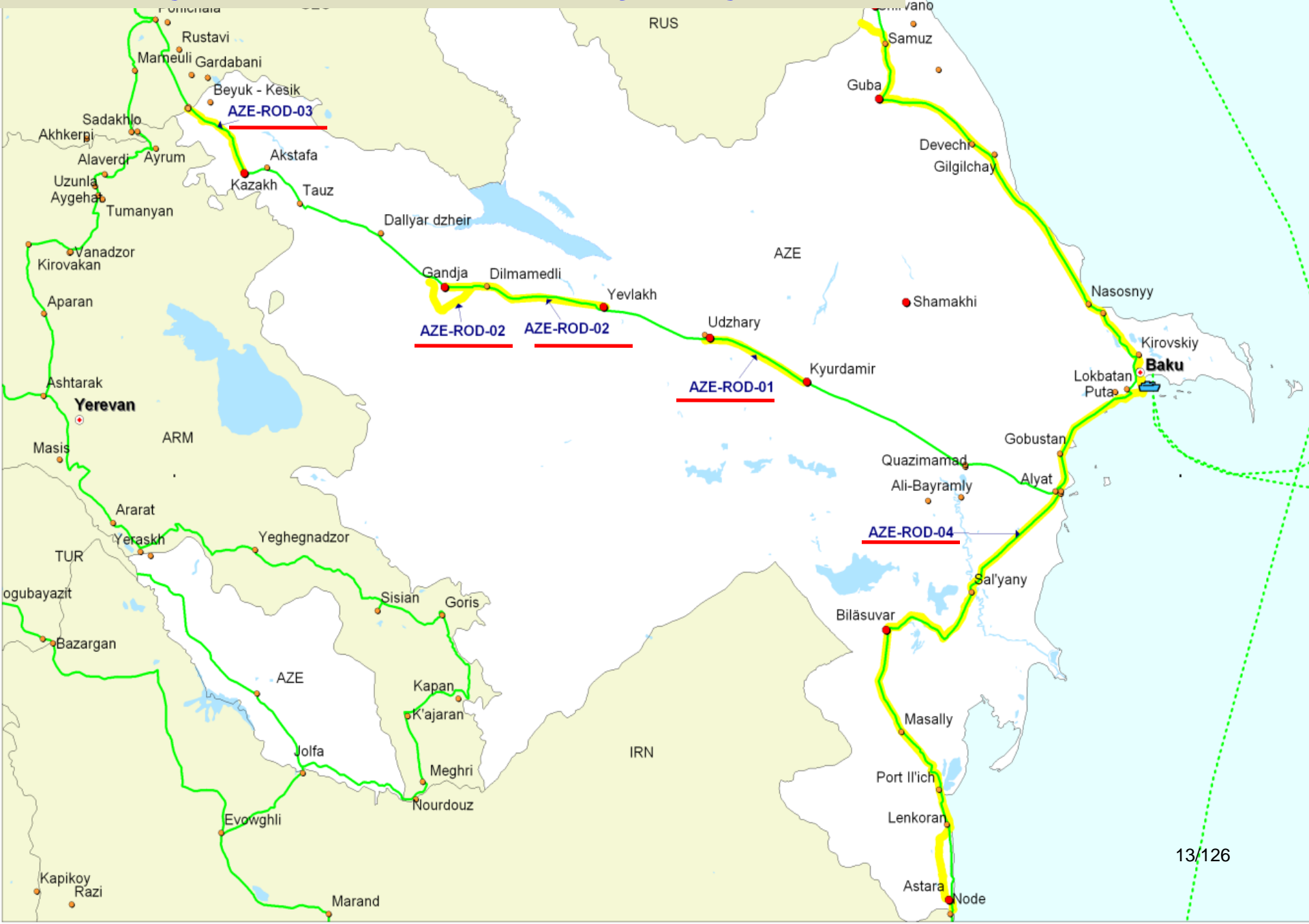


# Azerbaijan

- **6 projects in total along approved and proposed EATL Routes of total cost \$1.388billion**
- **Road**
  - **1:** Rehabilitation of: Kurdamir – Ujar (\$18.3 million/2008-2010)
  - **2:** Rehabilitation of: Yevlakh – Gandja (\$60.7 million/2008-2010)
  - **3:** Rehabilitation of: Gazakh – Georgian Border (\$30 million/2007-2010)
  - **4:** Reconstruction of: Russian border – Baku – Iranian Border, E119 (\$829.5 million/2006-2010)
- **Rail**
  - **1:** Reconstruction of: Baku - Georgian border \* (2009-2013)
- **Maritime**
  - Construction of New Baku International Sea Trade Port project (\$400 million/2010-2015)

\* No cost estimate provided

# Azerbaijan EATL Road Priority Projects



# AZERBAIJAN

## Rail priority projects



**Euro - Asian Transport Links**

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River

# Bulgaria

- **23 projects in total, 11 along approved and proposed EATL Routes of total cost \$7.697billion**
- **Road**
  - **12:** Construction of Motorway Stara Zagora – Nova Zagora - Yambol – Karnobat (**\$322.5 million/2010-2012**)
  - **13:** Construction of Maritza Motorway\*
- **Rail**
  - **1:** Plovidiv-Svilengrad-Turkish border railway line electrification and upgrading (**\$501 million/2005-2011**)
  - **2:** Renovation and electrification of Voluyak-Dragoman-Dimitrovgrad-GS BS railway line (E070) (**\$32 million/2004-2011**)
  - **3:** Modernization and electrification of Radomir-Gueshevo railway line (T855) (**\$1 million/2009-2017**)
  - **4:** Modernization of Vidin-Sofia railway line (T056) (**\$3.62 billion/2007-2019**)
  - **4:** Modernization of Sofia-Radomir railway line (**\$483 million/2008-2013**)
  - **6:** Modernization of Sofia-Plovidiv-Burgas railway line (**\$2.032 billion/2008-2013**)

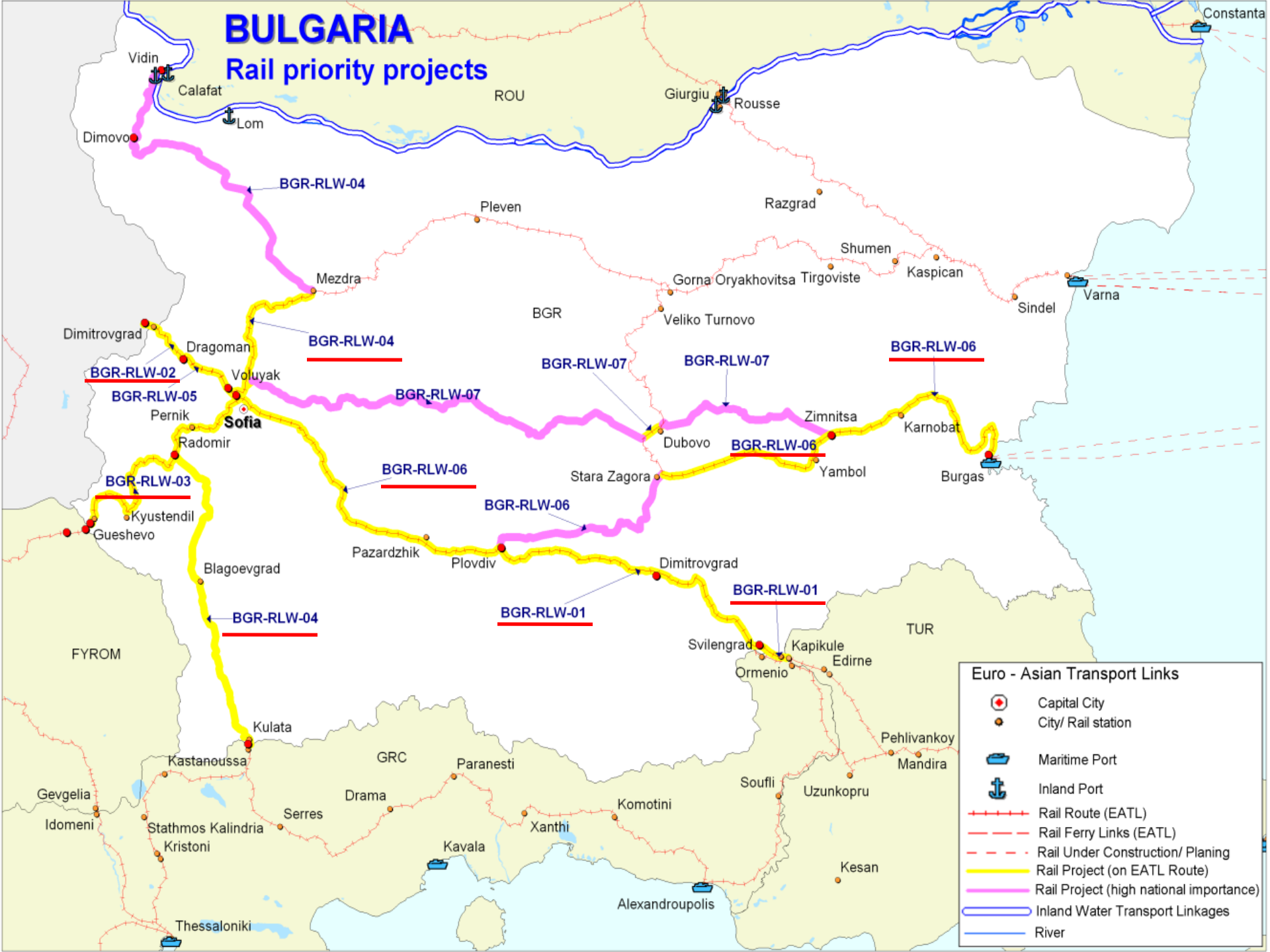
\* No cost estimate provided





# BULGARIA

## Rail priority projects



# China

- **18 projects in total along approved and proposed EATL Routes of total cost \$7.193billion**
- **Road**
  - **1:** Construction of Tianshui-Dingxi road in Gansu province (\$1.243 billion/2007-2010)
  - **2:** Construction of Xujiamo-Gulang road in Gansu province\* (2008-2010)
  - **3:** Reconstruction of Anxi-Xingxingxia road in Gansu province\* (2009-2011)
  - **4:** Construction of Xijiagang-Qidong road in Shanghai (\$644 million/2009-2012)
  - **9:** Construction of Liuhe-Pukou road in Jiangsu province\* (2010-2013)
  - **12:** Reconstruction of Korla-Aksu road in Xinjiang (\$1.281 billion/2008-2012)
- **Maritime**
  - Construction Phase 1 of a container berth on the bank of Lian Yungang port (\$192 million/2011-2013)
  - Construction Phase 6 of the container berths in Waigaoqiao (\$712 million/2007-2010)

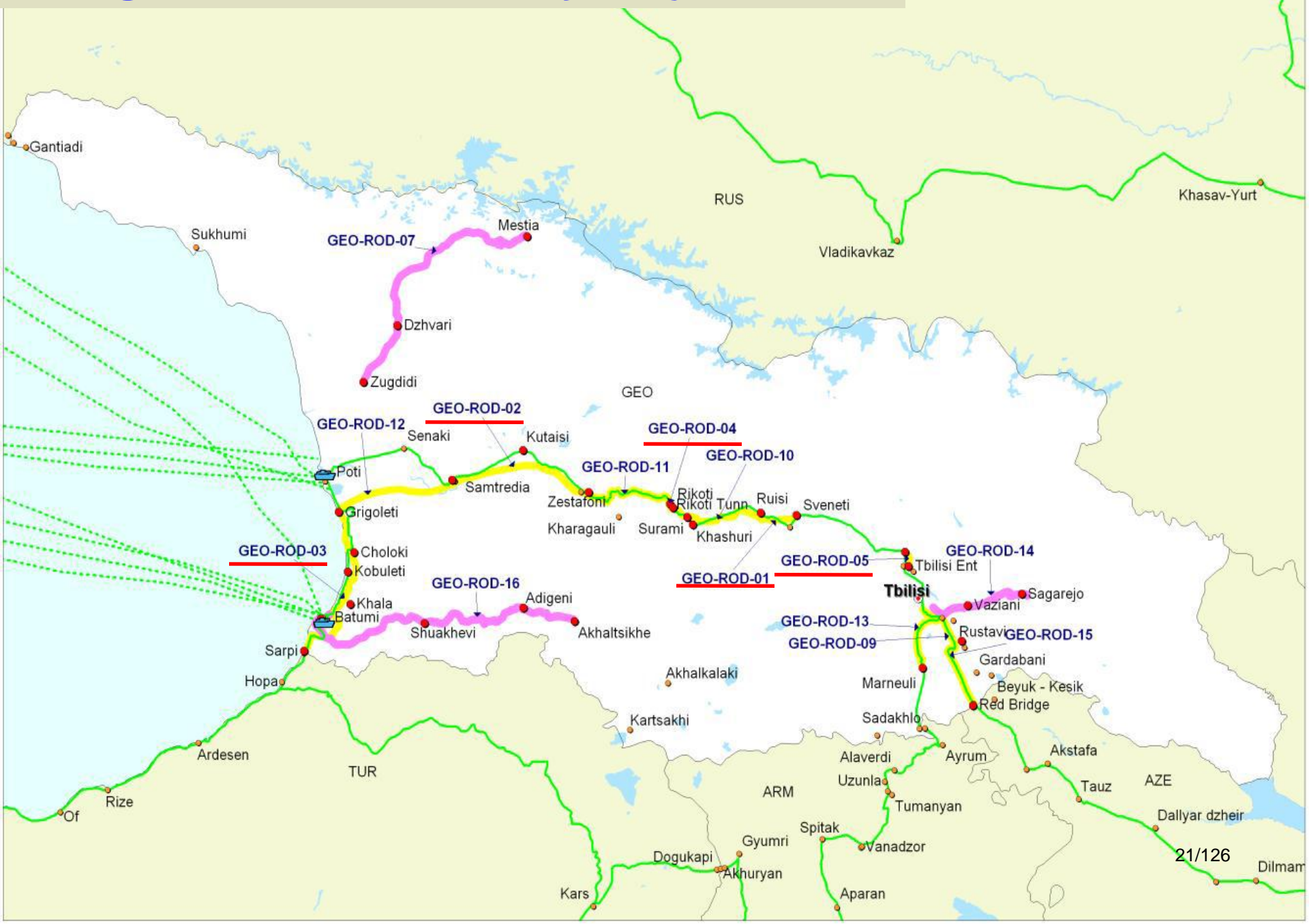
\* No cost estimate provided



# Georgia

- 20 projects in total, 16 along approved and proposed EATL Routes of total cost \$1.371 billion
  
- **Road**
  - 1: Sveneti-Ruisi (\$129 million/2009-2011)
  - 2: Zestafoni-Kutaisi-Samtredia (\$204.8 million/2010-2013)
  - 3: Choloki-Sarpi (\$43.9 million/2010-2013)
  - 4: Rikoti Tunnel Rehabilitation (\$28.5 million/2010-2012)
  - 5: Tbilisi Entrance (\$8.6 million/2010-2011)
  
- **Rail**
  - 1: Construction of Tbilisi Bypass Railway (\$332.5 million/2010-2013)
  - 3: Baku – Tbilisi – Kars Project (on the Territory of Georgia) (\$200 million/2007-2012)












# Georgia EATL Road Priority Projects



# GEORGIA

## Rail priority projects

**Euro - Asian Transport Links**

-  Capital City
-  City/ Rail station
-  Maritime Port
-  Inland Port
-  Rail Route (EATL)
-  Rail Ferry Links (EATL)
-  Rail Under Construction/ Planing
-  Rail Project (on EATL Route)
-  Rail Project (high national importance)
-  Inland Water Transport Linkages
-  River



# Germany

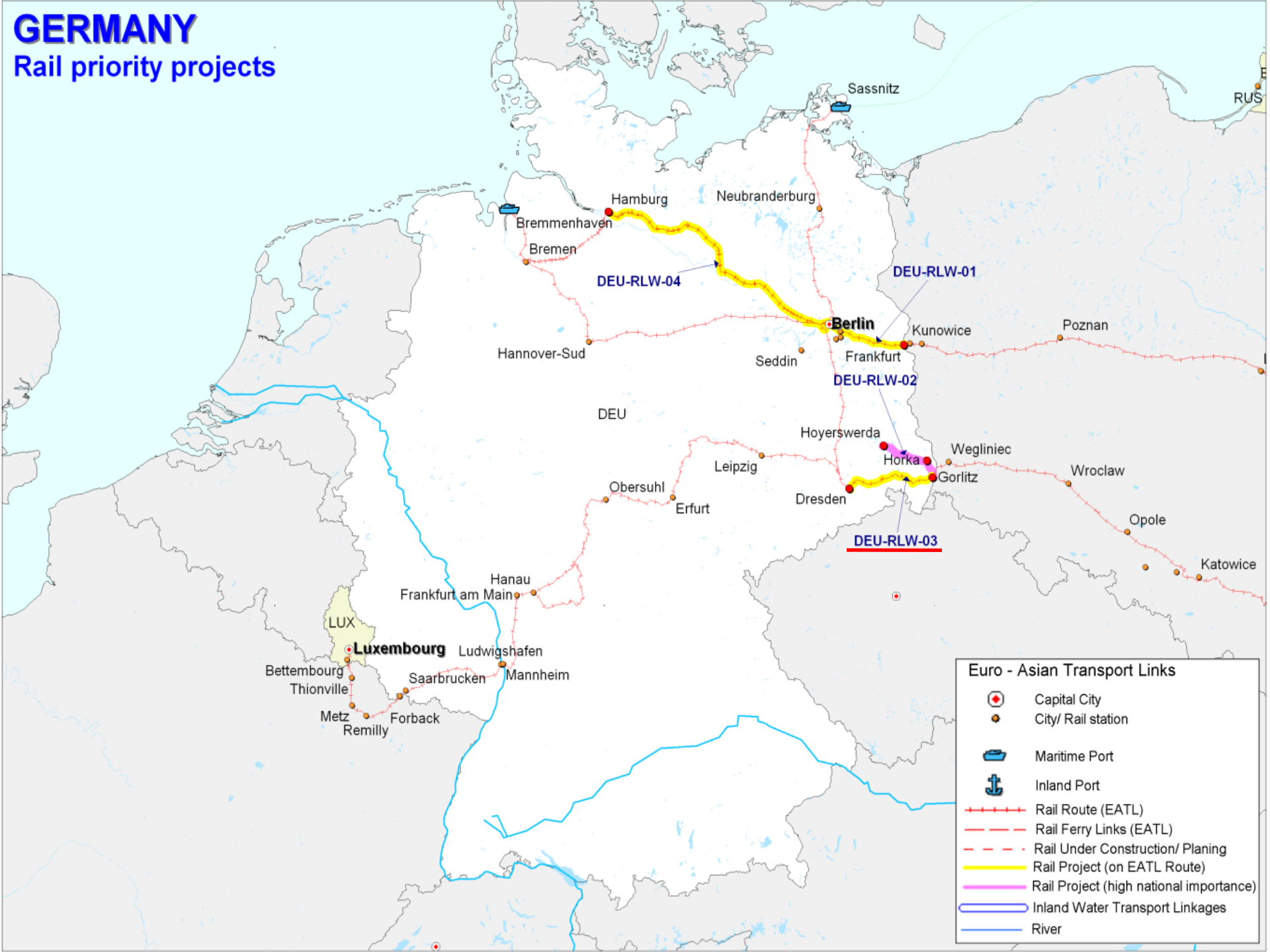
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- **5 projects in total, 4 along approved and proposed EATL Routes of total cost \$1.069 billion**
- **Rail**
  - **3: Upgrade of southern branch Dresden – Goerlitz – German/Polish border\***












*\*No cost estimate provided*

# GERMANY

## Rail priority projects



**Euro - Asian Transport Links**

-  Capital City
-  City/ Rail station
-  Maritime Port
-  Inland Port
-  Rail Route (EATL)
-  Rail Ferry Links (EATL)
-  Rail Under Construction/ Planing
-  Rail Project (on EATL Route)
-  Rail Project (high national importance)
-  Inland Water Transport Linkages
-  River



# Greece

- 7 projects in total, 4 along approved and proposed EATL Routes of total cost \$0.78 billion
- Road
  - 1: Thessaloniki-Promachon Motorway (\$399 million/2010)
  - 2: Ardanio-Ormenio Motorway (\$305.9 million/2011)
- Rail
  - 1: Patras-Athens-Thessaloniki-Eidomeni/ Promachon (\$17.3 million)
- Maritime/Port
  - Igoumenitsa port (\$58 million)

# Greece EATL Road Priority Projects



# GREECE

## Rail priority projects



**Euro - Asian Transport Links**

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River












# Iran

- **7 Projects in total, 6 along approved and proposed EATL Routes of total cost \$3.878 billion**
- **Rail**
  - **1:** Construction of Qazvin-Rasht-Anzali-Astara (\$800 million)
  - **3:** Construction of Bam – Chabahar (\$778 million/2009-2014)
  - **4:** Construction of Zahedan – Mirjaveh (\$100 million/2008-2010)
  - **5:** Construction of Shiraz – Bushehr (\$450 million/2009-2014)
  - **7:** Mianeh – Bostanabad – Tabriz (\$400 million/-2014)

# IRAN Rail priority projects



**Euro - Asian Transport Links**

-  Capital City
-  City/ Rail station
-  Maritime Port
-  Inland Port
-  Rail Route (EATL)
-  Rail Ferry Links (EATL)
-  Rail Under Construction/ Planing
-  Rail Project (on EATL Route)
-  Rail Project (high national importance)
-  Inland Water Transport Linkages
-  River

# Kazakhstan

- **13 projects in total, 10 along approved and proposed EATL Routes of total cost \$8.918 billion**
- **Road**
  - **1:** Motorway Aktobe-Martuk (\$180 million)
  - **2:** Motorway Karabutak – border of Kyzylorda (\$900 million)
  - **3:** Motorway Border of Kyzylorda region –Kyzylorda - Shymkent (\$2.125 billion)
  - **4:** Motorway Border of South Kazakhstan region - Taraz-Kordai (\$1.162 billion)
  - **5:** Motorway Tashkent-Shymkent- border of South-Kazakhstan region (\$474 million/2011-2013)
  - **6:** Motorway Almaty-Khorgos (\$1.126 billion/2010-2013)
  - **7:** Motorway Astana-Karaganda (\$894 million/2011-2013)
  - **9:** Rehabilitation of Aktau–Beyneu Road Project (\$550 million/2009-2012)
- **Rail**
  - **3:** Electrification of Almaty–Aktogay Railway Section (\$1 billion/2009-2013)
  - **4:** Electrification of Dostyk–Aktogay Railway Section (\$507 million/2009-2012)

# Kazakhstan EATL Road Priority Projects



# KAZAKHSTAN

## Rail priority projects



### Euro - Asian Transport Links

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River



# Kyrgyzstan

- 9 projects in total, 7 along approved and proposed EATL Routes of total cost \$2.897 billion
- Road
  - 1: Rehabilitation of section Sarytash- Karamyk (\$48.6 million/2008-2011)
  - 2: Rehabilitation of section Osh-Gulcho-Sopu-Korgon-Sarytash-Nura (\$139.7 million/2008-2011)
  - 4: Rehabilitation of section Bishkek-Dolon Pass and Section Bishkek- Torugart (\$397.3 million/2010-2014)

# Kyrgyzstan EATL Road Priority Projects



# Latvia

16 projects in total, all along approved and proposed EATL Routes of total cost \$3.683 billion

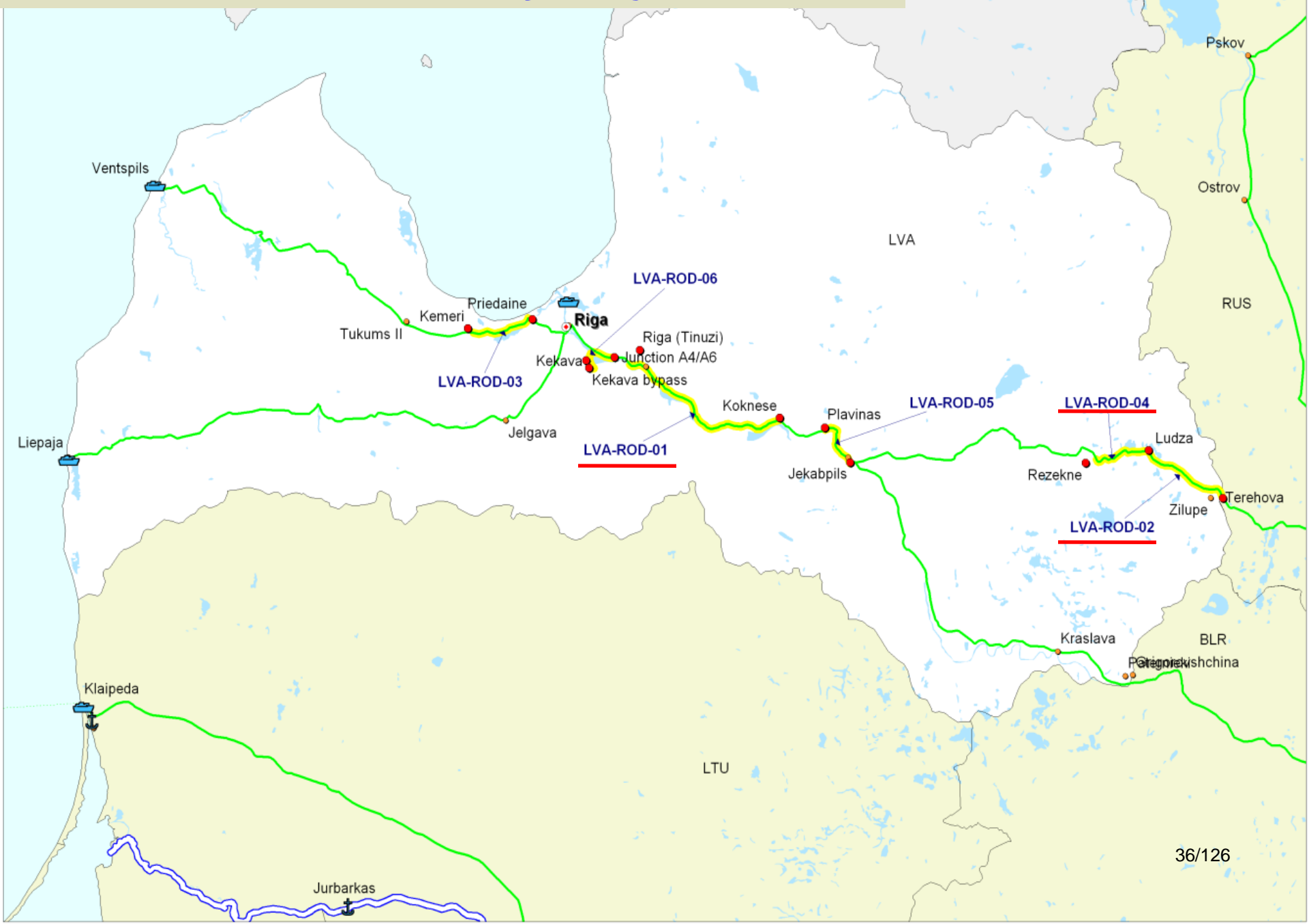
## Road

- 1: Construction of Section Rīga (Tīnūži) – Koknese (\$233.5 million/2007-2012)
- 2: Construction of Section Ludza – Russian border (Terehova) (\$115 million/2007-2012)
- 4: Construction of Section Rēzekne – Ludza (\$16.1 million/2015-2020)

## Rail

- 1: Modernization of the signaling, telecommunication and power supply systems in Bolderaja I – Zaslauks section (\$14.5 million/2010-2014)
- 2: Construction of Bolderaja 2 station and a Connecting Line to the Terminals of Krievu sala (\$60.6 million/2012-2014)
- 5: Modernization of the hot-box detection system (East-West railway Corridor) (\$20.1 million/2002-2010)
- 6: Construction of Second Track Skrīveri-Krustpils (Rīga-Krustpils section) (\$125 million/2010-2012)
- 7: Modernisation of the Signalling System Krustpils, Daugavpils- Ventspils (\$123.6 million/2007-2010)
- 8: Modernisation of the Signalling System Zilupe, Daugavpils- Krustpils (\$57.1 million/2007-2011)
- 9: Modernization of the Marshalling Hump in Skirotava Marshalling Yard (\$40.6 million/2011-2013)
- 10: Track Renewal on sections of the East-West Railway Corridor in Latvia (\$118.9 million/2004-2010)

# Latvia EATL Road Priority Projects

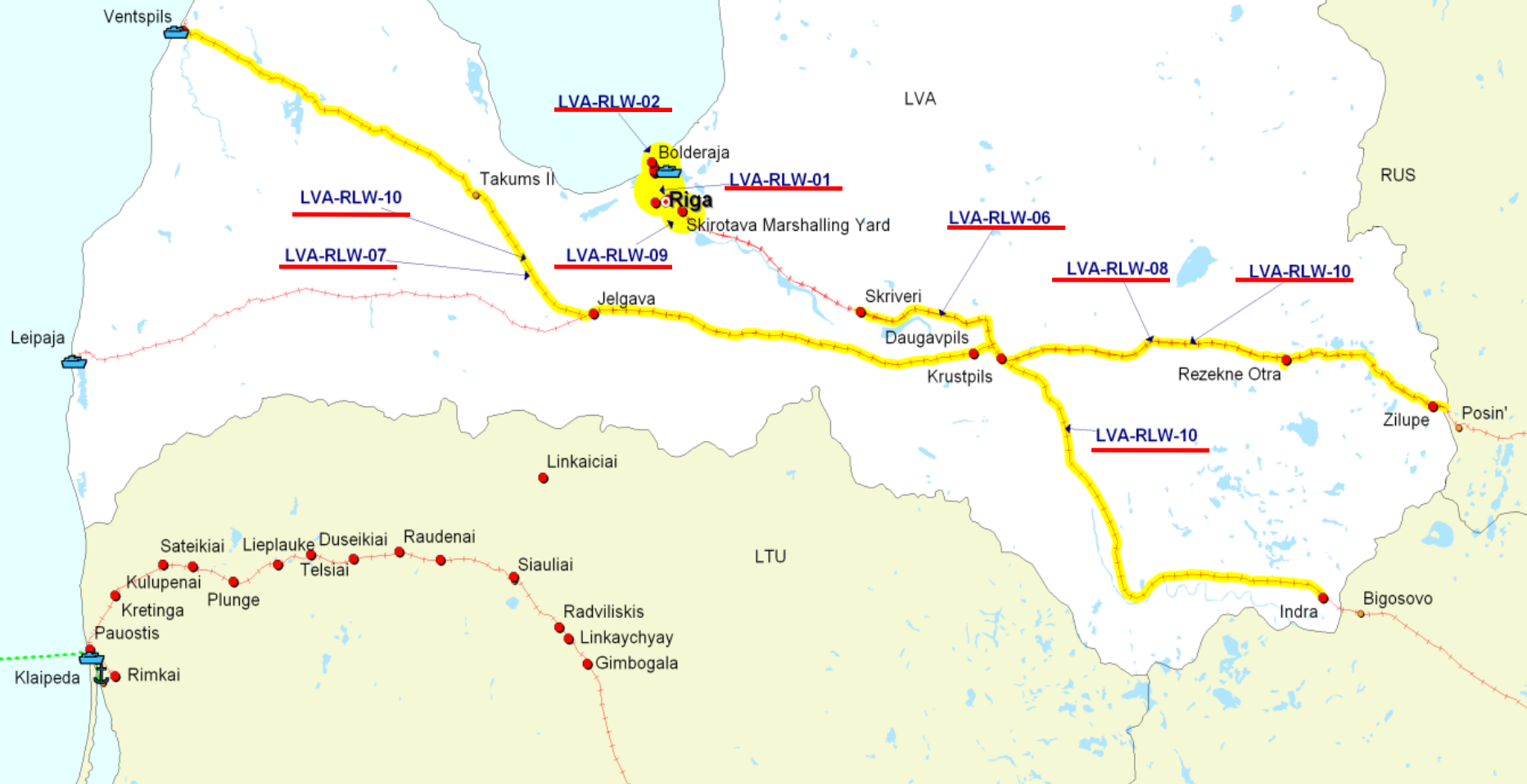


# LATVIA

## Rail priority projects

**Euro - Asian Transport Links**

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River



# Lithuania (1)

- **55 projects in total, 48 along approved and proposed EATL Routes of total cost \$1.46 billion**
- **Road**
- **3:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/Widening and strengthening of pavement-Stage I (\$57.6 million/2008-2010)
- **4:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/ Reconstruction of pavement (\$34.7 million/2009-2011)
- **5:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/Reconstruction of road section in Grigiskes-Stage II (\$36.6 million/2010-2012)
- **6:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/Road reconstruction according to the requirements set to motorways (\$30.7 million/2011-2013)

# Lithuania (2)

## Road continued

- **7:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/Construction of Skyway in the direction of Kaunas–Klaipėda and Klaipėda–Kaunas at the Jakai Junction (\$45.2 million/2009-2011)
- **8:** Reconstruction of Road E85 (Vilnius–Kaunas–Klaipėda) of the Transeuropean Road Network/Construction of Skyway in the direction of Kaunas–Palanga and Palanga–Kaunas at the Jakai Junction (\$40.3 million/2010-2011)
- **9:** Road E85 of Transeuropean Road Network/The Vilnius city southern bypass (\$95.5 million/2010-2013)
- **11:** Vilnius western bypass-Stage I(\$62.6 million/2009-2011)
- **12:** Vilnius western bypass-Stage IA-Lazdynai road bridge (\$43.8 million/2009-2011)

# Lithuania (3)

## Rail

- 1: Technical assistance (design) for the modernisation of Vilnius–Kaunas track for the speeds up to 160 km/h, for the construction of second track on a Kyviskes–Valciunai and Pusynas–Paneriai sections (\$17.4 million/2009-2014)
- 2: Modernisation of signalling and power supply equipment at Kaunas station, Palemonas–Rokai–Jiesia bypass and Kaunas–Kybartai line (\$64.2 million/2009-2014)
- 3: Modernisation of track equipment at Kaunas station, Palemonas–Rokai–Jiesia bypass and Kaunas–Kybartai line (stage I) (\$9.8 million/2009-2012)
- 4: Construction of second track on Vilnius bypass Kyviskes–Valciunai of Corridor IXB (\$83.5 million/2010-2013)
- 5: Construction of second track on Vilnius bypass Pusynas–Paneriai of Corridor IXB (\$14.2 million/2011-2012)
- 6: Technical assistance (design) for the construction of second tracks on Telsiai–Lieplauke, Kulupenai–Kretinga, Pavenciai–Raudenai, Plunge–Sateikiai and Telsiai–Duseikiai sections (\$3.9 million/2009-2012)
- 7: Installation of infrastructure diagnostics systems (\$18.9 million/2009-2012)
- 8: Installation of traffic control centre (\$34.6 million/2010-2013)
- 10: Modernisation of Rail Baltica railway line on Kaunas–Siauliai section. Construction of second tracks on Zeimiai-Luksiai and Gimbogala-Linkaiciai sections (\$43.2 million/2012-2013)



# Lithuania (4)

## Rail continued...

- 11: Construction of second track on Kulupenai–Kretinga section (\$44.3 million/2011-2013)
- 12: Construction of second track on Pavenciai–Raudenai section (\$21.3 million/2011-2013)
- 15: Rehabilitation of the existing Kazlu Ruda–Kaunas railway section (\$78.3 million/2012-2013)
- 16: Modernisation of signalling on Kazlu Ruda–Kaunas section (\$55.9 million/2012-2013)
- 17: Rehabilitation of the existing railway section Kaunas (Palemonas)–Gaiziunai (\$43.1 million/2012-2014)
- 18: Design of the rehabilitation of the Klaipeda station tracks and of the acoustic walls (\$4.0 million/2010-2011)
- 19: Design of the rehabilitation of Rimkai station (\$0.2 million/2010-2010)
- 20: Design of the rehabilitation of Pauostis tracks (\$1.4 million/2009-2011)
- 21: Development of Klaipeda railway junction, stage I. Rehabilitation of Draugyste station tracks (\$50.9 million/2010-2012)
- 22: Development of Klaipeda railway junction, stage I. Rehabilitation of Rimkai station tracks (\$10.6 million/2011-2013)
- 23: Development of Klaipeda railway junction, stage II. Rehabilitation of Klaipeda station tracks (\$46.0 million/2011-2015)

# Lithuania (5)

## Rail Continued...

- **24:** Development of Klaipeda railway junction, stage II. Rehabilitation of the pedestrian bridge at Klaipeda station (\$5.6 million/2009-2010)
- **25:** Development of Klaipeda railway junction, stage II. Rehabilitation of Pauostis track area (\$34.3 million/2012-2014)
- **26:** EC installation on second track and in the Nemunas track area (\$8.5 million/2011-2013)
- **27:** Construction of second track on Telsiai–Lieplauke section (\$28.3 million/2012-2014)
- **28:** Construction of second track on Plunge–Sateikiai section (\$29.1 million/2012-2014)
- **29:** Construction of second track on Telsiai–Duseikiai section (\$10.5 million/2012-2014)
- **30:** Development of the technical documentation for the installation of the Vilnius public logistics centre (\$1.2 million/2011-2012)
- **31:** Infrastructure construction works of Vilnius public logistics centre (\$44.0 million/2012-2014)
- **32:** Development of the technical documentation for the installation of the Kaunas public logistics centre (\$1.2 million/2011-2012)
- **33:** Infrastructure construction works of Kaunas public logistics centre (\$35.1 million/2012-2015)

# Lithuania (6)

## ■ Inland Waterway

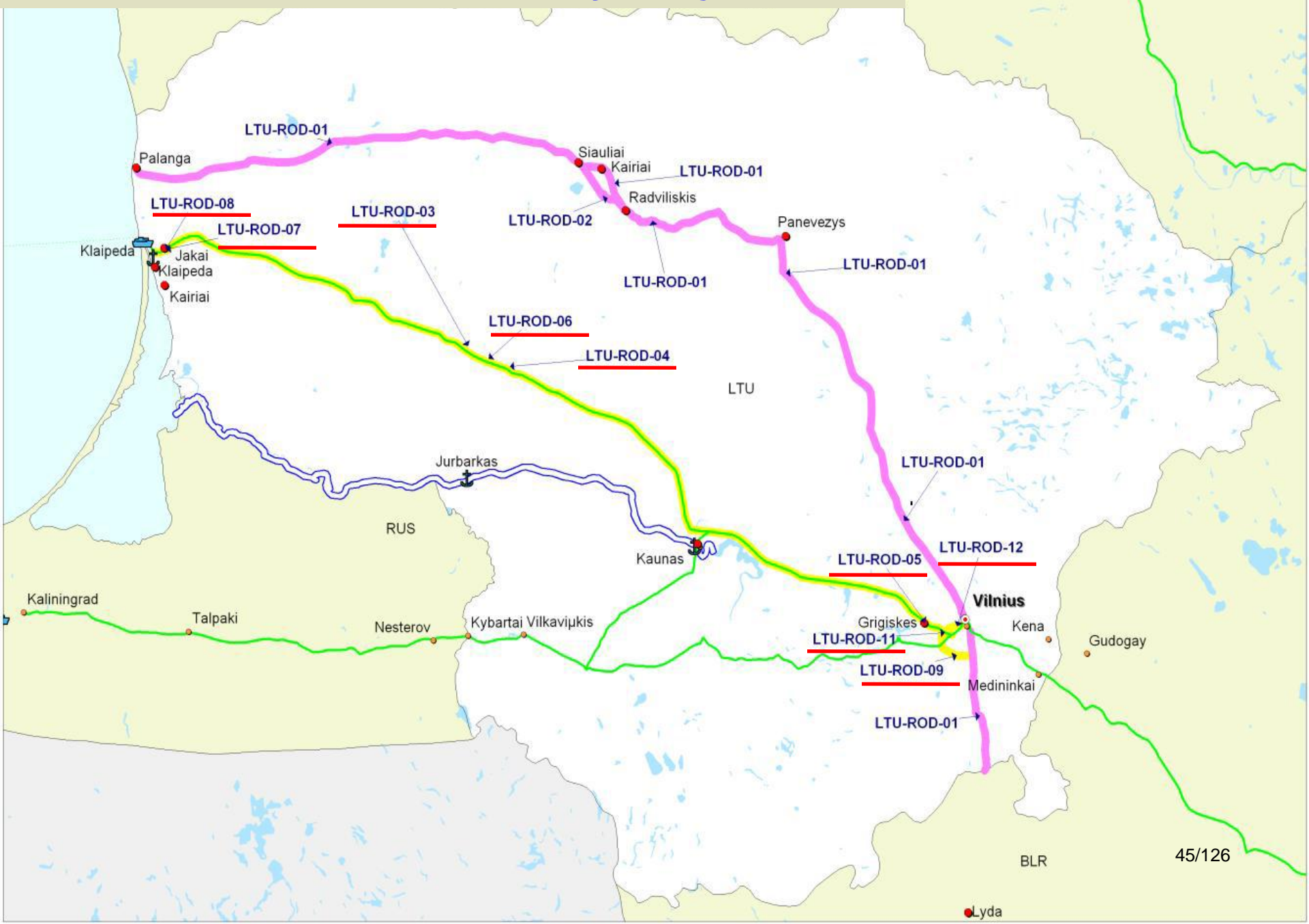
- Reconstruction of international importance E41 section of the waterway Kaunas-Atmata mouth/Technical documentation (\$0.1 million/2009-2010)
- Reconstruction of international importance E41 section of the waterway Kaunas-Atmata mouth/Reconstruction works (\$5.1 million/2010-2012)
- New Marvele cargo pier construction in Kaunas/Preparation of Technical Documentation (\$0.1 million/2010-2011)
- New Marvele cargo pier construction in Kaunas/Works: building new pier Marvelėje load-Wharf to the integration of inland waterway transport in multi-modal freight transport system (\$3.7 million/2011-2012)

# Lithuania (7)

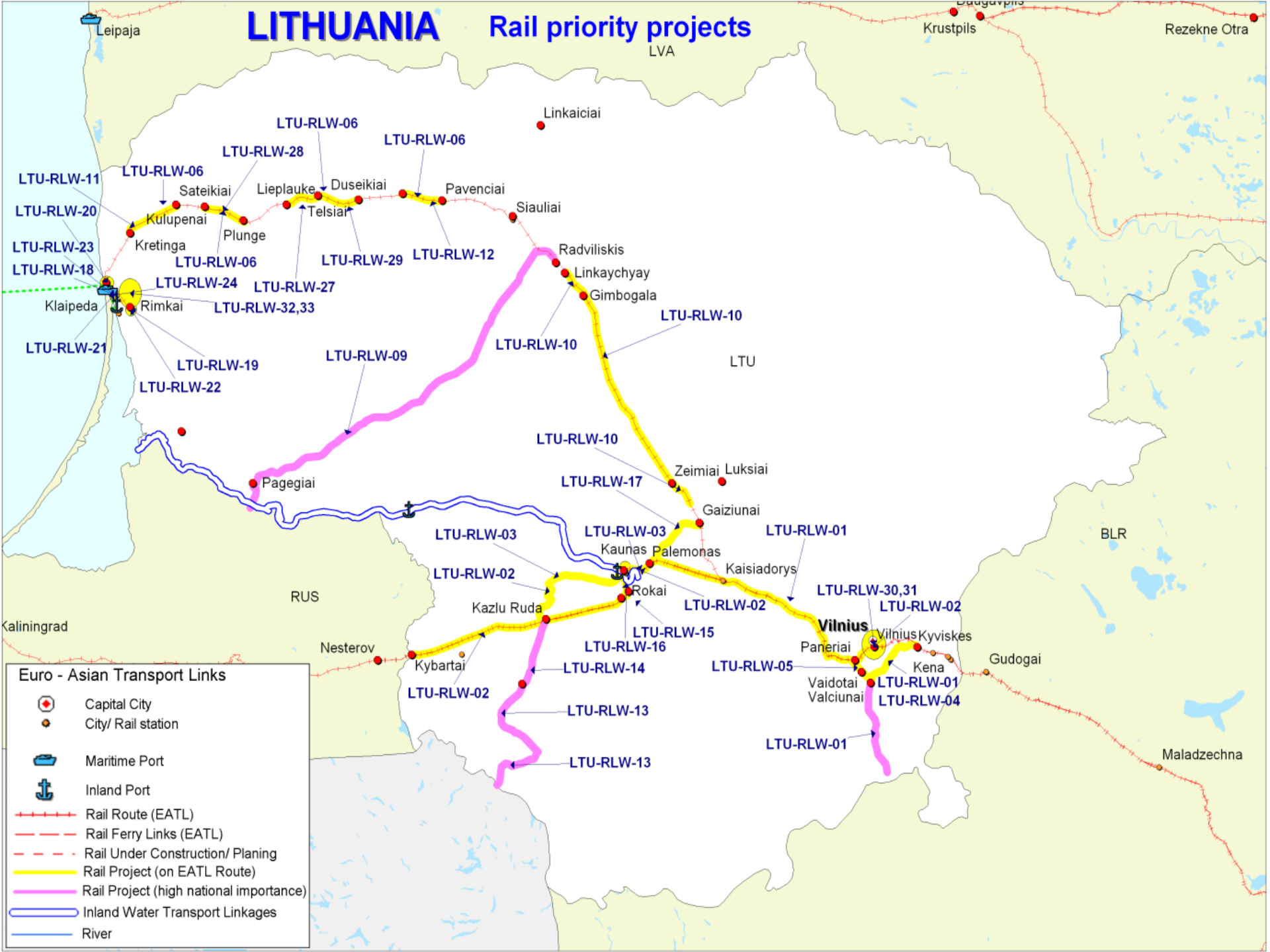
## ■ Maritime

- Construction of infrastructure for Klaipeda Public Logistic Centre: construction of access roads and railroads, communications and other necessary infrastructure (\$38.7 million/2011-2014)
- Arrangement of access roads to multimodal cargo terminals in southern part of the port: reconstruction of 4,5 km access roads and 1 road bridge over Klaipeda Channel (\$19.7 million/2010-2012)
- Construction of infrastructure for Passenger and cargo Ferry terminal: construction of 950 m useful length of quays modernizing infrastructure for cargo and passengers services (\$67.7 million/2010-2013)
- Deepening and widening of the port entrance channel up to depth of 14 m and widening up to width of 150 m (\$27.7 million/2011-2012)
- Construction of marina for small and leisure boats and dredging of the port waters (\$6.0 million/2010-2012)

# Lithuania EATL Road Priority Projects



# LITHUANIA Rail priority projects



**Euro - Asian Transport Links**

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River

# Pakistan

- **26 projects in total, 24 along approved and proposed EATL Routes of total cost \$4.242 billion**
- **Road**
  - **4:** Takhta Baig-Torkham (\$27.43 million)
  - **5:** Lahore-Sukkar (\$602.05 million)
  - **8:** Karachi-Hassanabdal (\$1.231 billion)
  - **9:** Hassanabdal-Mansehra (\$50.55 million)
  - **13:** Raikot-Khunjrab (\$180.17 million)
  - **15:** Kararo-Wad (\$51.63 million)
  - **17:** Mughalkot-Zhob (\$41.95 million)
  - **18:** Zhob-Muslim Bagh (\$113.48 million)
  - **21:** D.I Khan-Sara e (\$62.92 million)
  - **22:** Badabher-Dara Adam (\$15.6 million)





# Republic of Moldova

- **5 Projects in total, 4 along proposed and approved EATL Routes of total cost \$0.796 billion**
- **Road**
  - **2:** Rehabilitation of a 136-km road Bălți – Criva (**\$137 million/2015-2017**)
- **Inland waterway**
  - Construction of the Giurgiulești port complex on the territory of the Republic of Moldova of Danube river, including the terminal of oil product processing and a new oil refinery (**\$250 million**)

# MOLDOVA

## Road priority projects



# Romania

- **7 Projects in total, 6 along approved and proposed EATL Routes of total cost \$643 million**
- **Maritime**
  - Extension of the North Breakwater in Constanta Port ([\\$121 million/2011-2014](#))
- **Inland Waterway**
  - Bank protection on Sulina Channel. Signaling and Topohydrographical Measurements system on the Danube ([\\$40 million/2004-2012](#))
  - Improvement of the Condition for Navigation on the Danube, km 375-175, Calarasi – Braila sector ([\\$53 million/200-2012](#))
  - Implementation of the VTMIS (Vessel Traffic Management Information System on Danube, Romanian sector ([\\$18 million/2010-2012](#)))

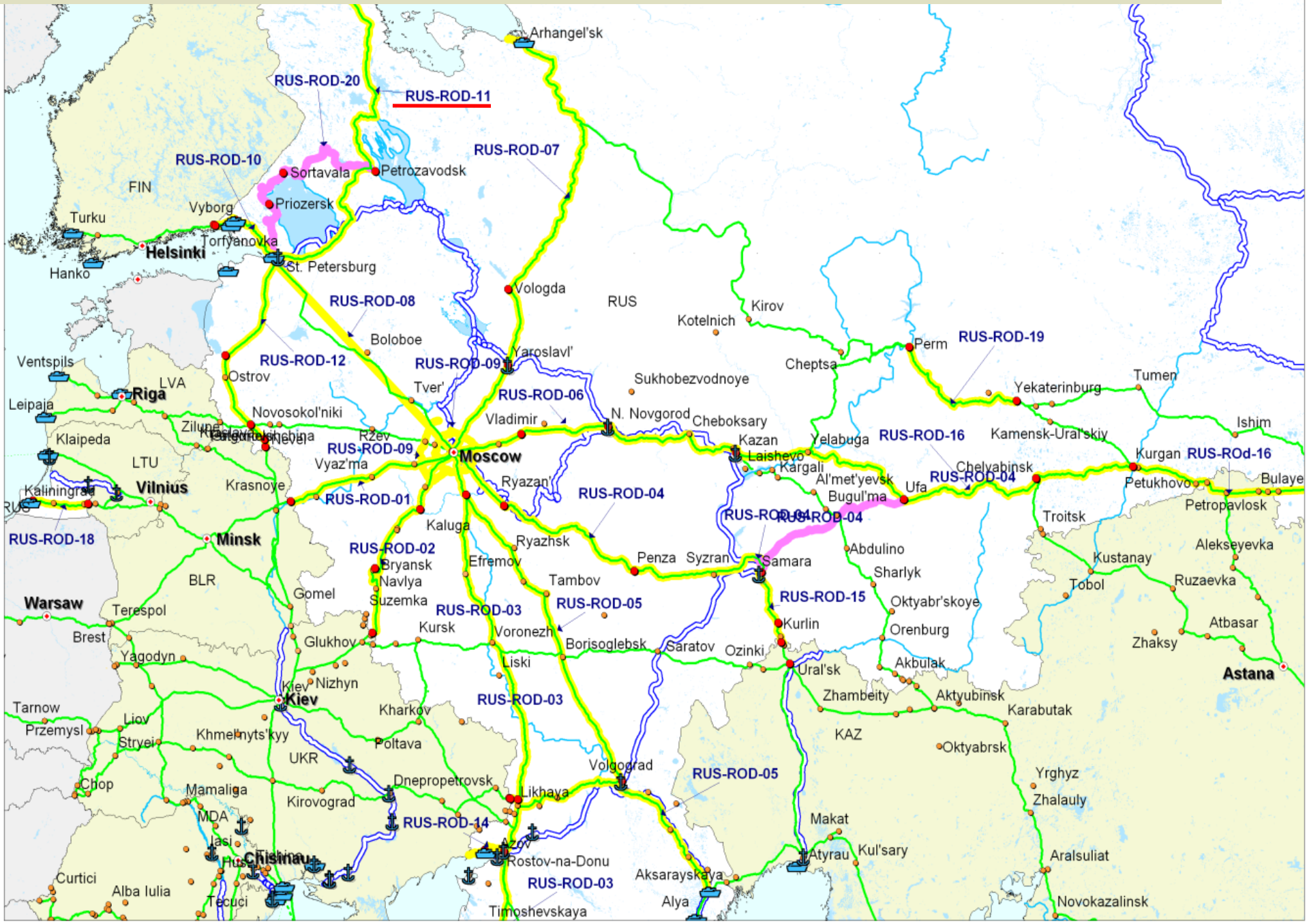
# Russian Federation (1)

- 70 projects in total, 51 along approved and proposed EATL Routes of total cost \$112.3 billion
- **Road**
  - 11: Reconstruction of the road M-18 "Cola" - St. Petersburg- Petrozavodsk-Murmansk- Pecheneg-a-border with Norway (international automobile border crossing point "Borisoglebsk") (\$87.84 million/ 2010-2013)
  - 21: Construction and reconstruction of the road M-52 "Chuysk Tract": Novosibirsk-Biysk-border with Mongolia (\$155.52 million/ 2011-2012)
- **Inland terminal**
  - Comprehensive Development of Murmansk Transport Hub Project (\$4.23 billion/2015)
  - Comprehensive Development of Vostochny – Nakhodka Transport Hub Project (\$4.03 billion/2015)
  - Comprehensive Development of Novorossiysk Transport Hub Project (Krasnodar region) (\$4.23 billion/2015)
  - Multimodal transport and logistics hub "Rostov Universal Port" development project (\$716 billion/2015)
  - Construction of the Sviyajsky interregional multimodal logistics center (Republic of Tatarstan) (\$4.03 billion/2015)

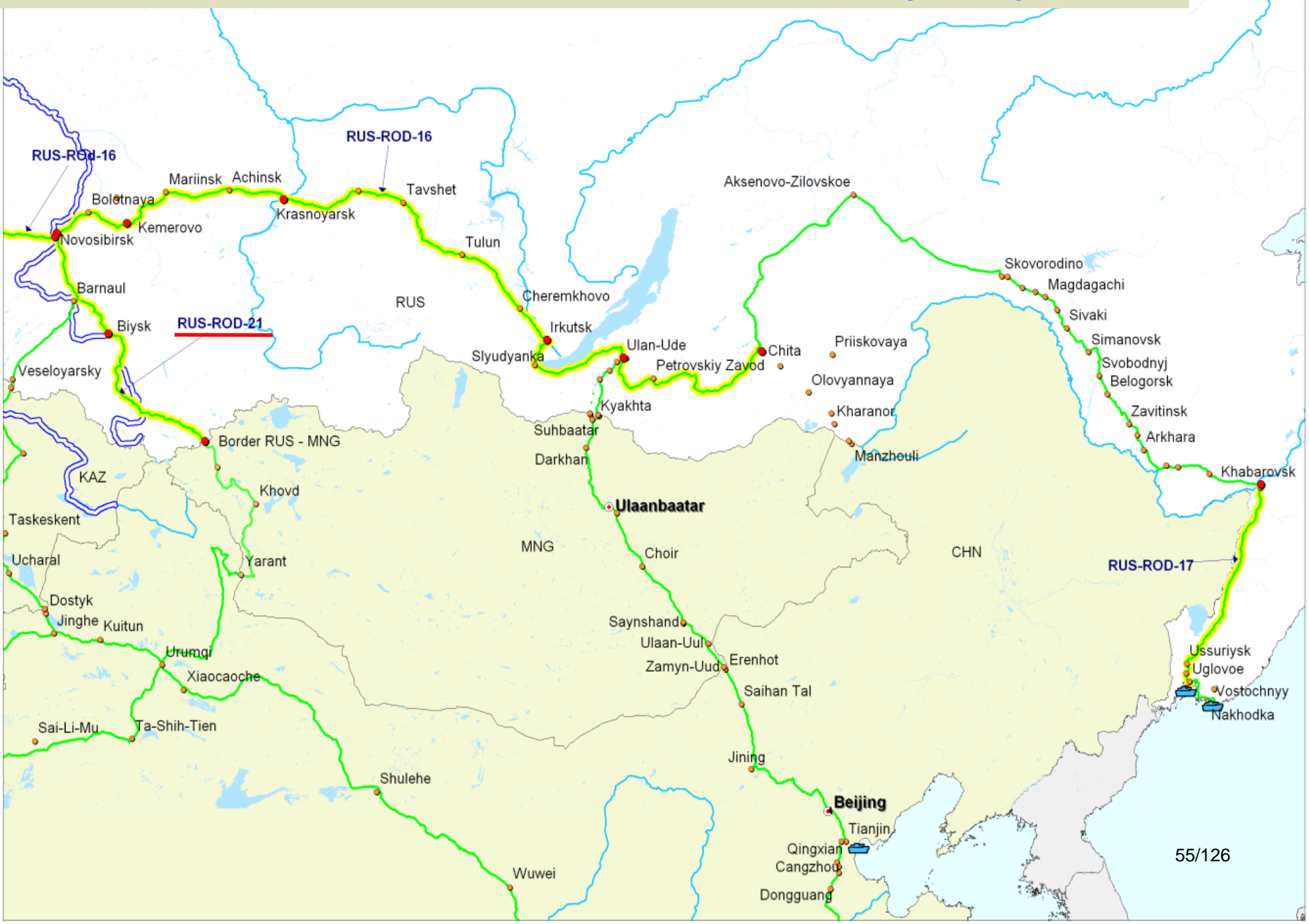
# Russian Federation (2)

- **Rail**
- **3:** Construction of third track in passage Tumen – Voinovka (\$13.3 million/ -2010)
- **14:** Construction of side track in Saratov – Petrov Val passage (\$154.28 million/ -2010)
- **19:** Construction of side track in the passage Enem (Afipskaya) – Krimskaya (\$47.9 million/ -2010)
- **25:** Construction of third track in the passage Likhaya – Rostov (\$415 million/ -2010)
- **27:** Construction of side track in the passage Akhtuba – Trubnaya (\$131.7 million/ -2010)
- **29:** Construction of third rail-tracks in the passage Bekasovo – Nara (\$29.3 million/ -2010)

# North-West Russian Federation EATL Road Priority Projects



# East Russian Federation EATL Road Priority Projects

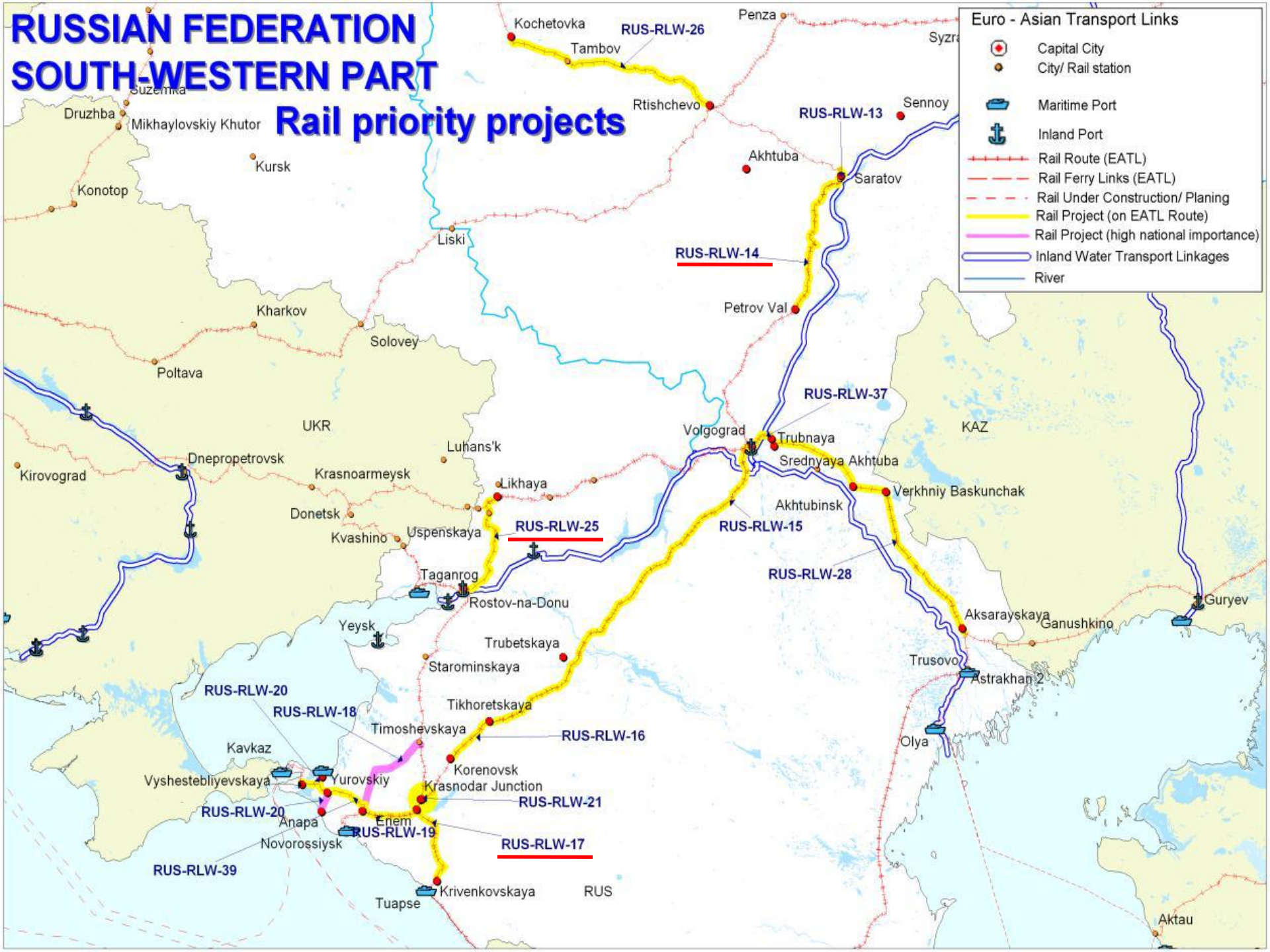






# RUSSIAN FEDERATION SOUTH-WESTERN PART

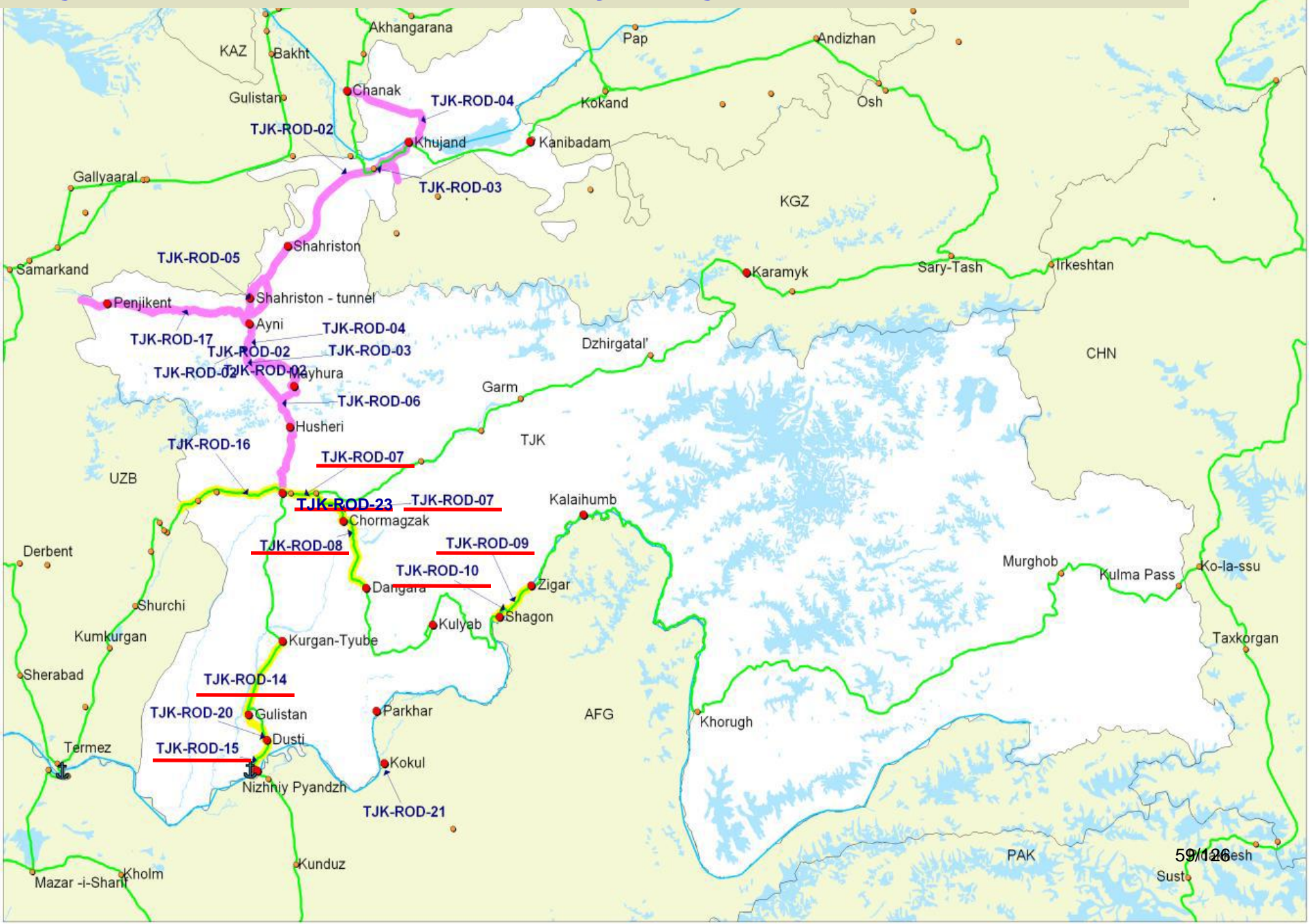
## Rail priority projects



# Tajikistan

- **32 projects in total, 13 along approved and proposed EATL Routes of total cost \$627 million**
- **Road**
  - **7:** Reconstruction of the road Dushanbe-Kulma, section Dushanbe-Dangara (\$51.6 million/2009-2011)
  - **8:** Reconstruction of the road Dushanbe-Kulma, section Dushanbe-Dangara, Phase 2 (\$151.5 million/2009-2011)
  - **9:** Construction of the road Shagon-Zigar Phase 2 (\$15.9 million/2007-2010)
  - **10:** Construction of the road Shagon-Zigar Phase 3 (\$17 million/2010-2012)
  - **14:** Reconstruction of the road Kurgantyube – Dusti (\$32.8 million/2009-2012)
  - **15:** Reconstruction of the road Dusty-Nizhniy Panj Phase 2 (\$12.2 million/2009-2010)
  - **23:** Construction of the tunnel Chormagzak (\$64 million/2009-2011)

# Tajikistan EATL Road Priority Projects

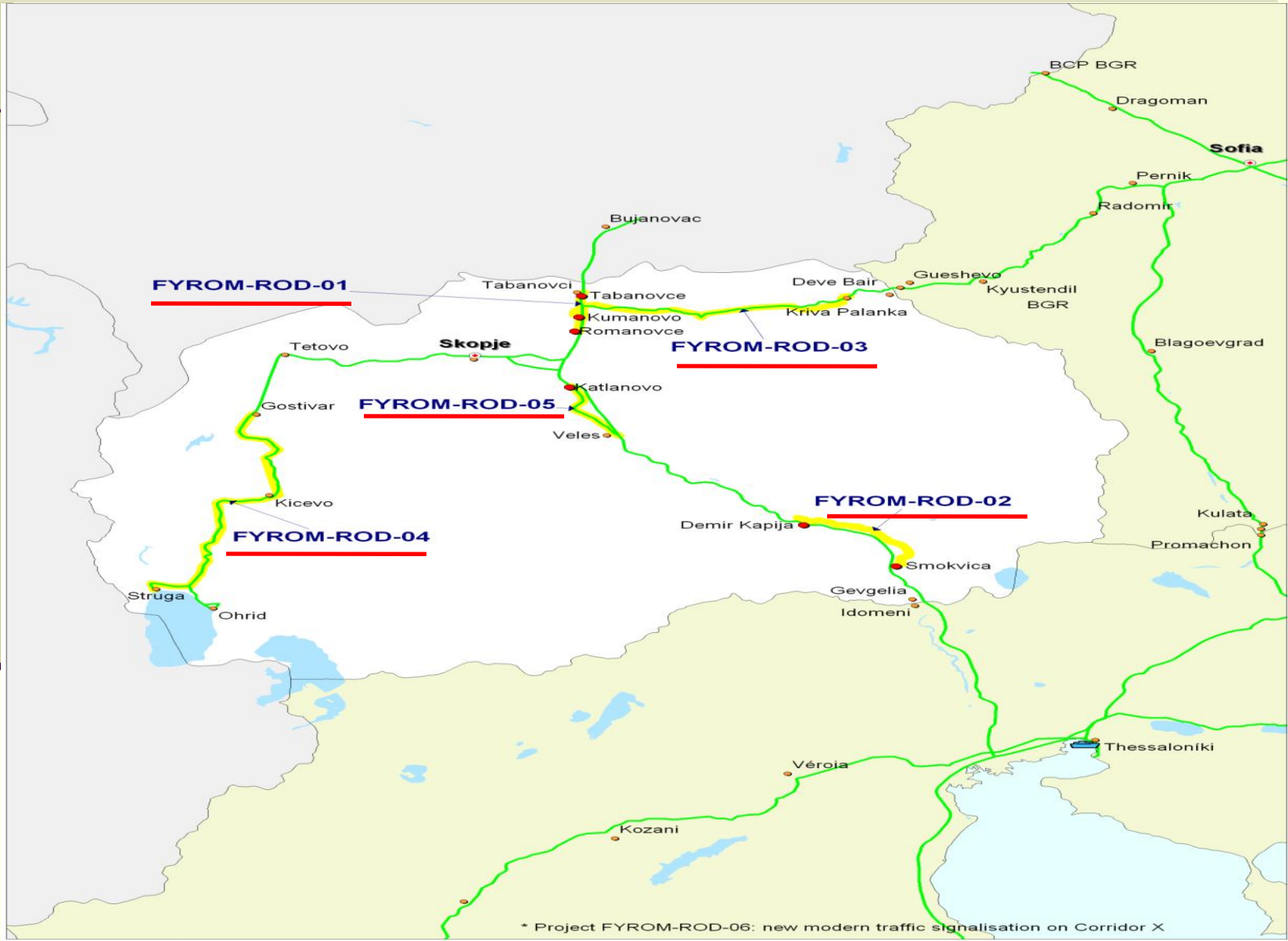


# The former Yugoslav Republic of Macedonia

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- 11 projects in total, 10 along approved and proposed EATL Routes of total cost \$2.39 billion
- **Road**
  - 1: Construction of Corridor 10 Tabanovce-Kumanovo motorway (\$20.6 million/2008-2011)
  - 2: Construction of Corridor 10 Demir Kapija-Smokvica motorway (\$325.9 million/2011-2015)
  - 3: Construction of new highway Kriva Palanka (border with Bulgaria)-Romanovce (\$362.7 million)
  - 4: Construction of new highway Gostivar-Struga (border with Albania) (\$650.9 million)
  - 5: Reconstruction of part of the highway Katlanovo-Veles (\$9.6 million/2012-2014)
  - 6: New modern traffic signalisation (\$7.3 million/2012-2013)

# The former Yugoslav Republic of Macedonia EATL Road Priority Projects



# Turkey (1)

- **24 projects in total, all along approved and proposed EATL Routes of total cost \$42.5 billion**
- **Road**
  - **6:** Koyulhisar-Niksar Junction (\$296.4 million/2009-2014)
  - **7:** Niksar Junction – Amasya (\$116.1 million/1992-2014)
  - **8:** Gerede-Atkaracalar (\$58.6 million/2005-2014)
  - **9:** Atkaracalar-Kargı (\$216.6 million/2008-2014)
  - **10:** Kargı-Merzifon (\$108.3 million/2008-2014)
- **Rail**
  - **1:** Ankara-İstanbul High Speed Railway (\$4.655 billion/2003-2014)
  - **2:** Istanbul Rail Tunnel Crossing & Rehabilitation of Gebze-Halkalı Railway Line (\$4.456 billion/2002-2013)
  - **3:** Boğazköprü-Ulukışla-Yenice-Mersin-Adana-Toprakkale-Signalling and Telecommunication (\$209 million)
  - **4:** Ankara-Sivas New Railway Construction (\$3.498 billion/2010-2013)
  - **5:** Kars-Tblisi New Railway Construction (Turkish Section) (\$374 million/2007-2012)

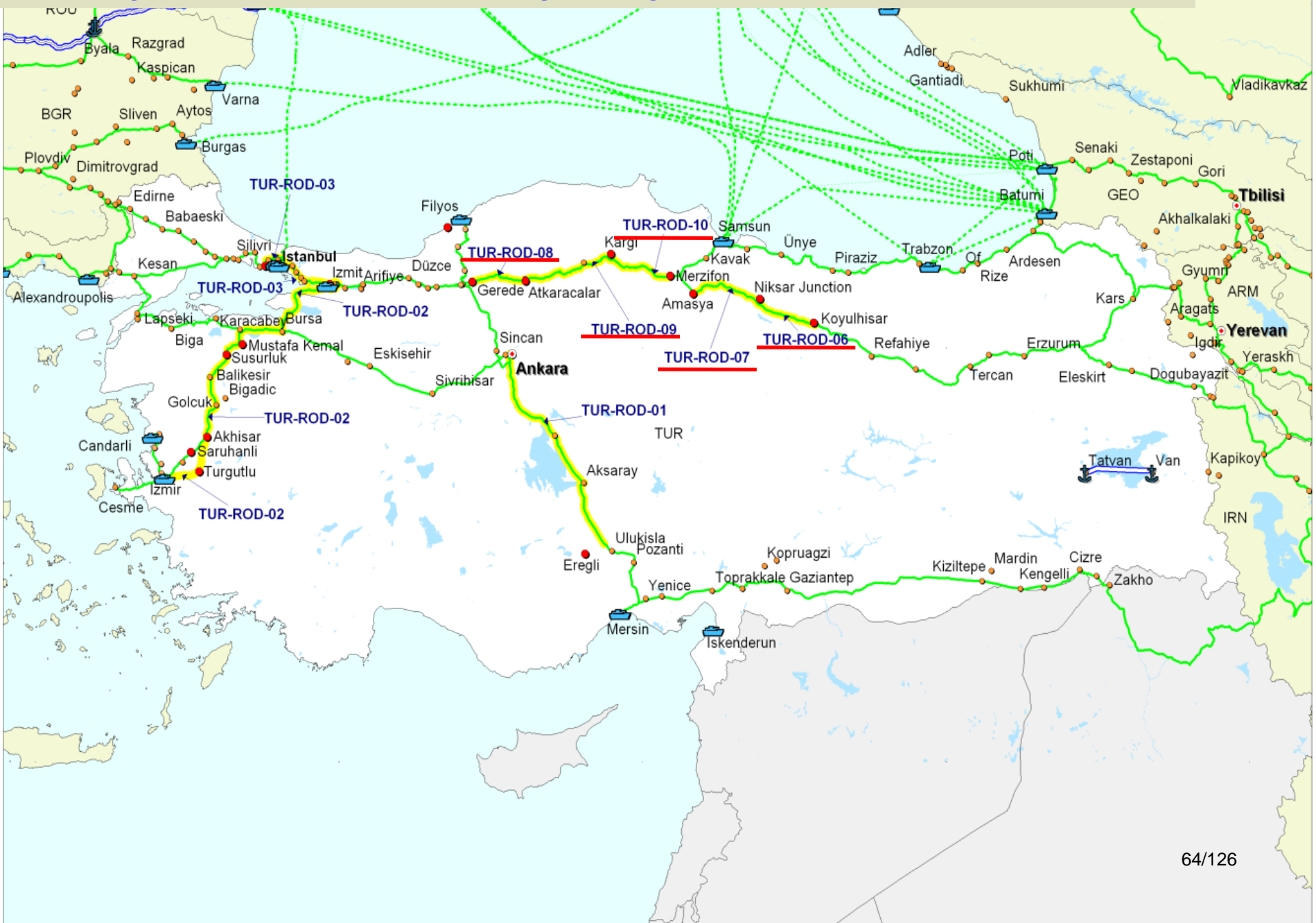
# Turkey (2)

## ■ Maritime

- Rehabilitation of Port of Derince (2012-2015) \*
- Modernization of facilities at İzmir port and dredging in İzmir Bay (\$265 million/2012-2015)
- Rehabilitation of the Port of Mersin (2011-2014)\*
- Rehabilitation of the Port of İskenderun (2011-2014)\*
- Çandarlı Port-Construction of a new hub port (\$1.21 billion/2011-2014)

# Turkey EATL Road Priority Projects

yye Vody



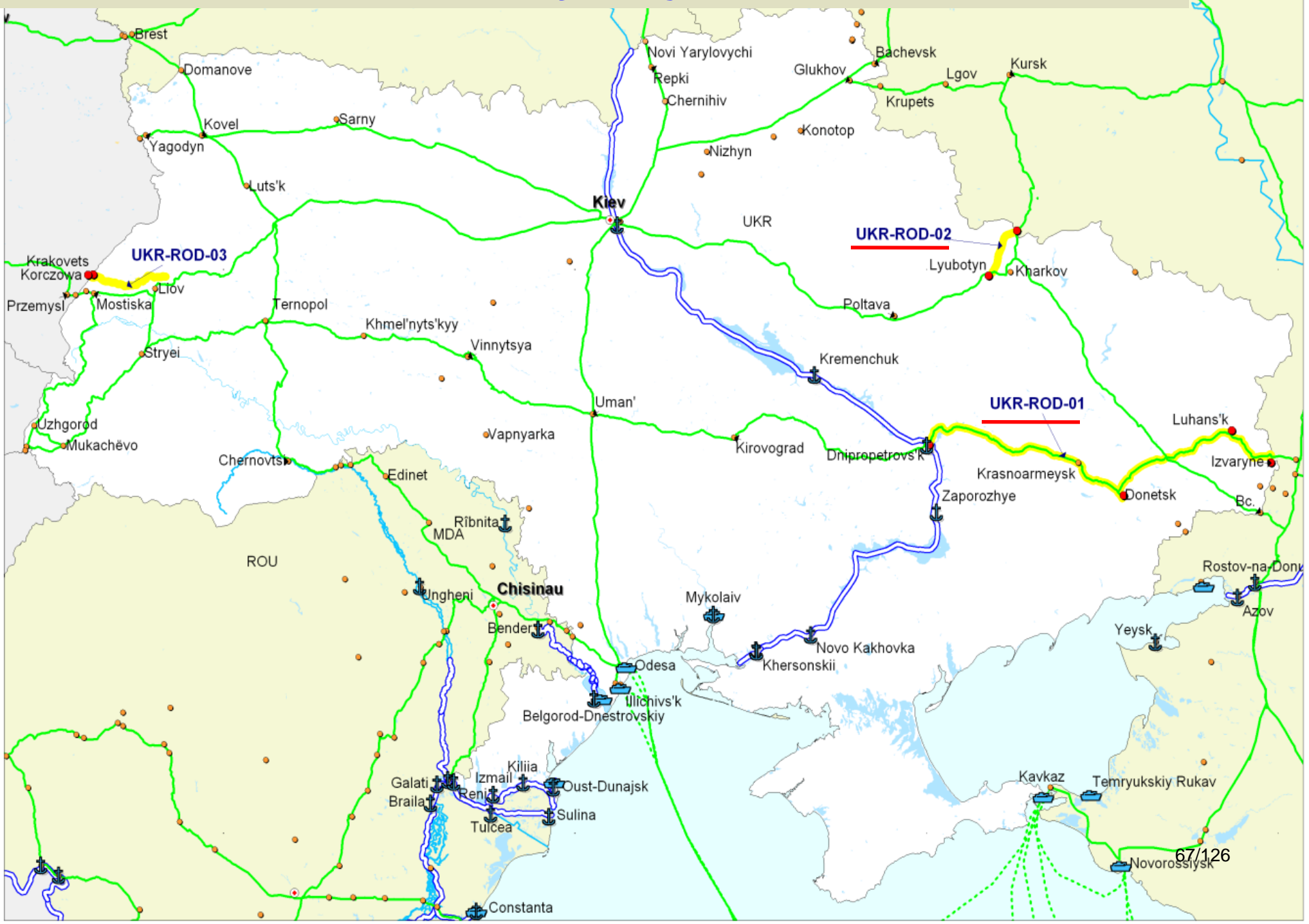




# Ukraine

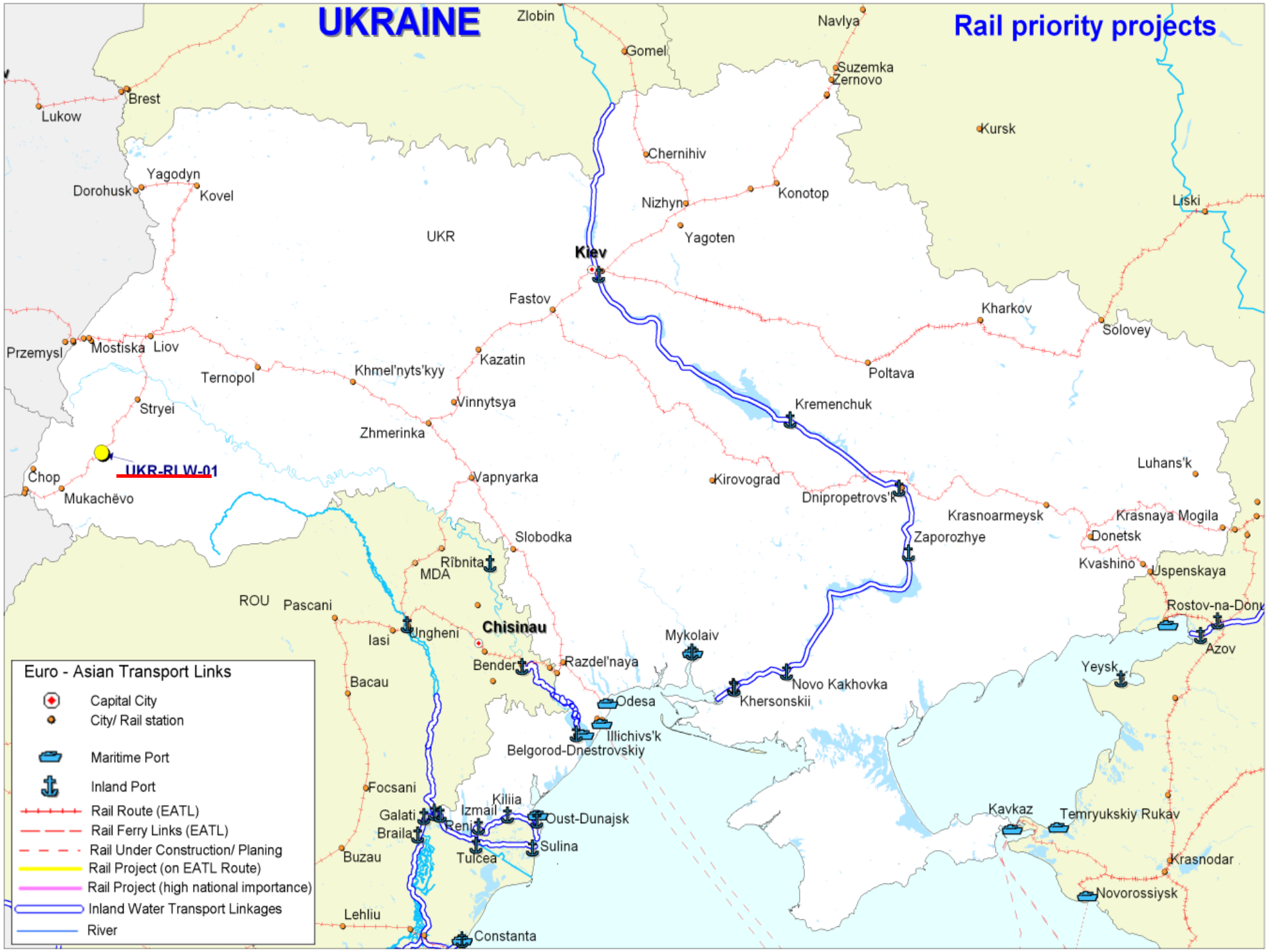
- **4 projects in total, all along approved and proposed EATL Routes of total cost \$2.141 billion**
- **Road**
  - **1:** Reconstruction of highway M-04 Znamenka - Lugansk – Izvaryne in area Dnipropetrovsk – Izvaryne (\$939 million/-2012)
  - **2:** Construction and exploitation of highway checkpoint "Scherbakivka" to the highway Kyiv-Kharkiv-Dovzanskiy (\$405 million/2010-2012)
- **Rail**
  - **1:** Transhe B - Building new double-track railway tunnel on the distillation Beskyd – Scotarske on the line Lviv – Chop (\$179 million/2004-2014)

# Ukraine EATL Road Priority Projects



# UKRAINE

# Rail priority projects



**Euro - Asian Transport Links**

- Capital City
- City/ Rail station
- Maritime Port
- Inland Port
- Rail Route (EATL)
- Rail Ferry Links (EATL)
- Rail Under Construction/ Planing
- Rail Project (on EATL Route)
- Rail Project (high national importance)
- Inland Water Transport Linkages
- River

# Uzbekistan

- **13 projects in total, 12 along approved and proposed EATL Routes of total cost \$2.694 billion**
- **Road**
  - **1:** Reconstruction of A-380 Guzar-Bukhara-Nukus-Beyneu road (sections 490-581 km and 876-916 km) (**\$182.5 million/2009-2013**)
  - **2:** Reconstruction of A-380 Guzar-Bukhara-Nukus-Beyneu road (sections 315-490 km and 581-628 km) (**\$600 million/2010-2016**)
- **Rail**
  - **1:** Electrification of railway line between Tashkent and Angren (**\$85.4 million**)
  - **2:** Construction of railway line Navoi-Uchkuduk-Sultanuizdag-Nukus (**\$40.46 million/-2010**)
  - **3:** New railway line Tashguzar-Boysun-Kumkurgan (**\$447.5 million**)
  - **4:** UTY Passenger locomotives fleet upgrade (**\$75 million/2009-2012**)
  - **8:** Organization of high-speed passenger trains traffic on Tashkent-Samarqand route (**\$76.7 million/2010-2012**)
  - **9:** Construction of fiber-optic line on Navoi-Uchkuduk 2-Misken-Nukus-Kungrad-Karakalpakiya route (**\$9.2 million/2009-2012**)
  - **10:** Installation of centralized control and auto-lock equipment of stations on the Navoi-Uchkuduk 2-Sultanuizdag-Nukus-Karakalpakiya route (**\$10 million/2009-2012**)
  - **11:** Construction of double-track electrified railway line Yangiyer-Djizzakh (**\$334.3million/2009-2011**)

# Uzbekistan EATL Road Priority Projects



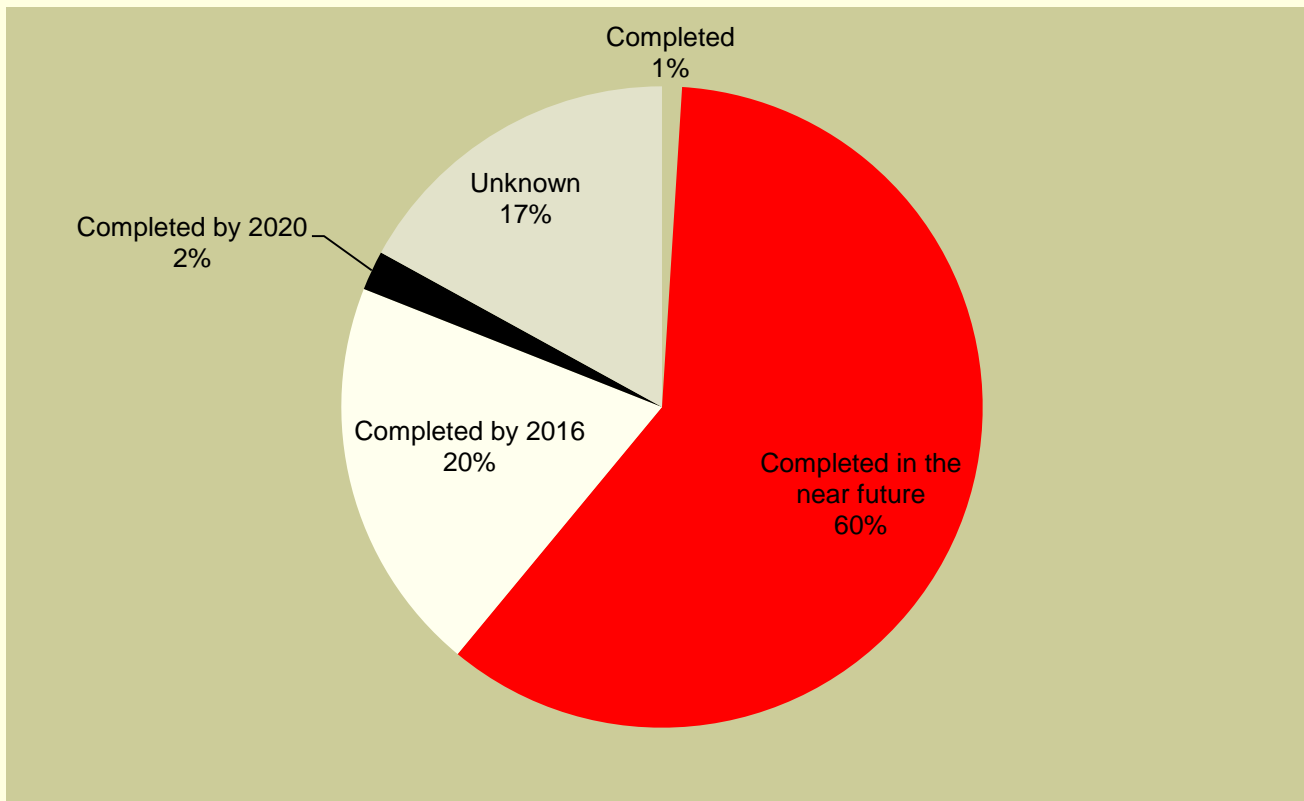
# UZBEKISTAN

## Rail priority projects



# Conclusions


- The implementation of the EATL network as a whole will require the approximate sum of **\$215 billion**, out of which only **36% has been secured**.





# Way Forward

- The crucial factor in the realisation of the EATL network is the securisation of funds.
- According to analysis results, there is a **considerable amount** of funds required to cover the implementation costs that **has not been secured yet**.
- Governments to further improve their transport investment planning to incorporate EATL priority projects in their national plans.
- Banks and other international and/or national financial institutions must establish a continuous collaboration with UNECE for the purpose of facilitating the implementation of EATL priority projects.
- Examination of alternative funding schemes, such as Public-Private Partnerships (PPP) for infrastructure delivery and operation, and private finance initiatives for services/operations delivery.
- **It is now the time to move from theory to practice in order to complete the EATL network!**



**Thank you for your  
attention!**