

# **10 Years' Progress and Future Direction in Transportation in Korea**

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# Geographical Location of KOREA



# Last 10 Years' Progress



# I . Incheon International Airport

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## □ 1st Stage (1990~2001)

- Open on 2001. 3. 29
- Transportation Center
- Runway: 2EA
- Highway Access

## □ 2nd Stage (2002~2008)

- Runway: 2EA -> 4EA
- Railroad connection
- People Mover System
- Satelite Terminals

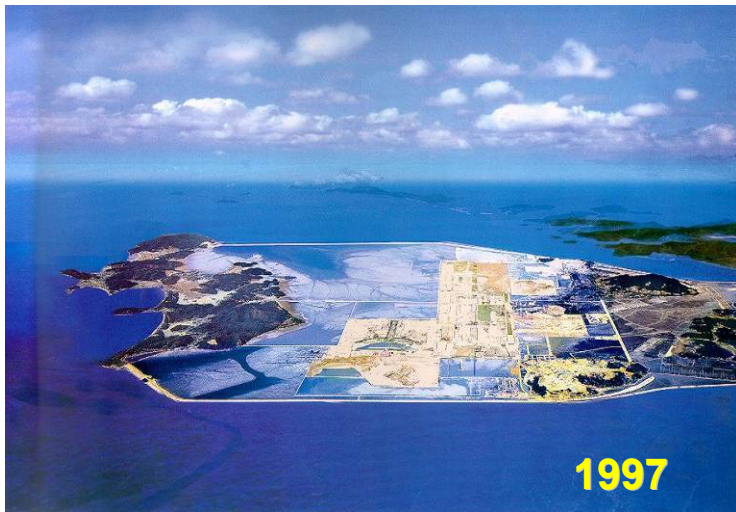




# I . Incheon International Airport

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## ☐ Construction Site View





# I . Incheon International Airport

## □ Transportation

### - Expressway

■ 40.2km (6-8 lane road)

■ Opened in Nov. 2000

### - Railroad

■ 61.5km (Double Track)

■ Opening in 2007



## II . High Speed Train

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### □ History

■ Jun. 1990

Basic plans and routes established  
( Seoul-Cheonan-Daejeon-Daegu-Gyeongju-  
Busan of 409km )

■ Jun. 1994

Vehicle System determined: TGV system of  
France

■ Apr. 2004

1<sup>st</sup> Stage completed: Simultaneous open of  
Gyeongbu, Honam lines



## Ⅱ . High Speed Train

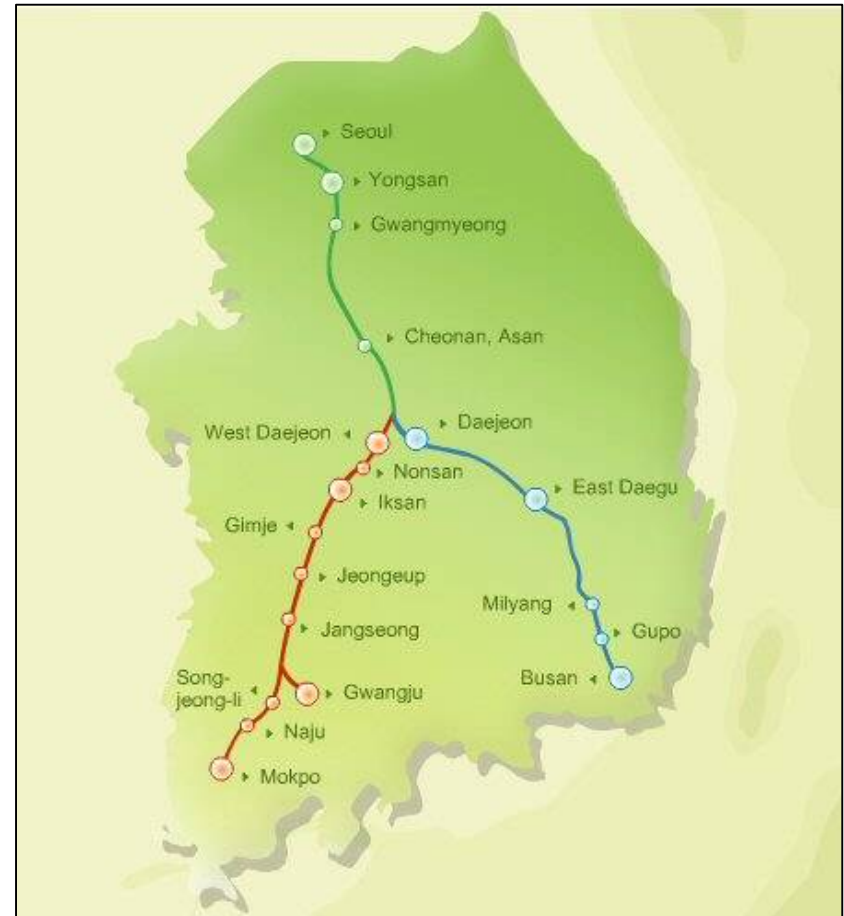
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### □ Gyeongbu Line

- Seoul-Busan
- Seoul-East Daegu (New line)
- East Daegu-Busan (Existing line)

### □ Honam Line

- Seoul-Mokpo, Gwangju
- West Daejeon-Mokpo, Gwangju (Existing line)





# III. Cheonggyecheon Restoration Project

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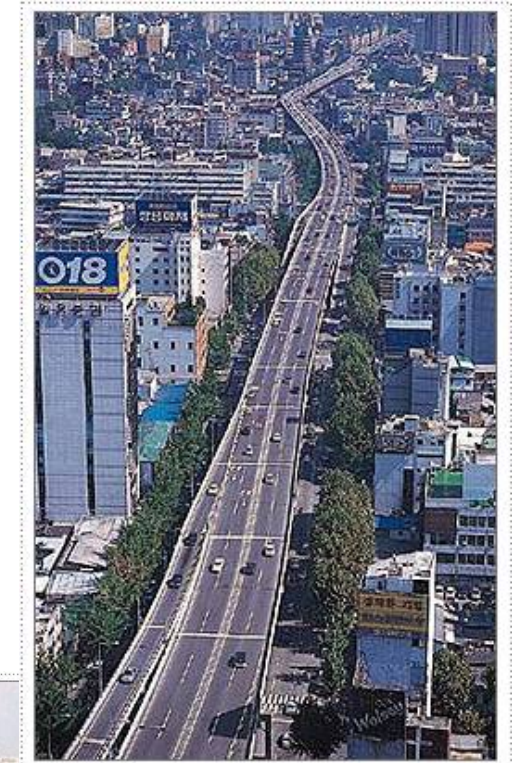
- Restoration of Cheonggyecheon (stream) by removing Cheonggyecheon Expressway, an overpass built over the covered stream in 1967-1976

- Current Status

- Road Length: 5.4 km with 8-10 Lanes on ground level  
Traffic: 65,800 veh/day
- Expressway: 5.8km with 4 lanes  
Traffic: 102,70 veh/day

- Future

- Stream restored
- 2 Lane in each side of the stream



# III. Cheonggyecheon Restoration Project

## [ Methods and process of the Cheonggyecheon Restoration Project ]

1. Setting up facilities for transportation, safety and construction  
erection of scaffolding and demolition chutes under the overpass



2. Dismantling of decks, crossbeams, and the covering  
dismantling of overpass decks by the segment cutting method – dismantling of metal beams by using crane – dismantling of the covering by the segment cutting method



3. Dismantling of piers  
cutting off piers and disposal – construction of road for temporary use



4. Construction of intercept sewers and a road for temporary use, and dismantling of the coverings in the commercial area  
construction of intercept sewers – dismantling of the covering by sectors and road construction



5. Landscaping for the recovered area including the river  
restoration of the river – landscaping – lighting design





### III. Cheonggyecheon Restoration Project

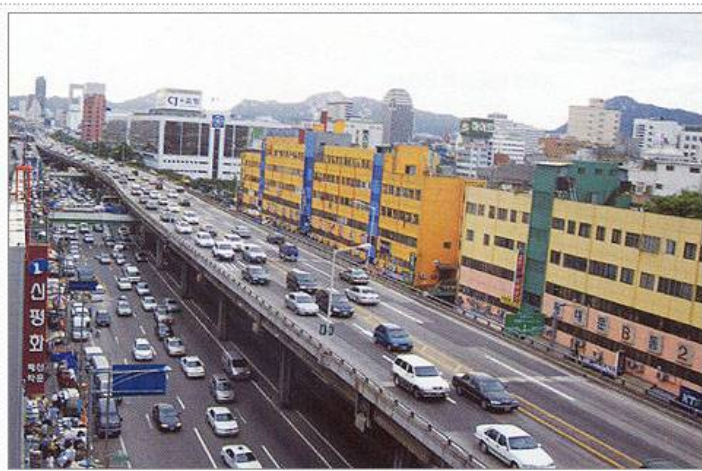
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< Before >



< after >



< Before >



< after >



# Future Direction in Transportation

## - Issues in KOREA



# I . Seoul Bus System Reform Program

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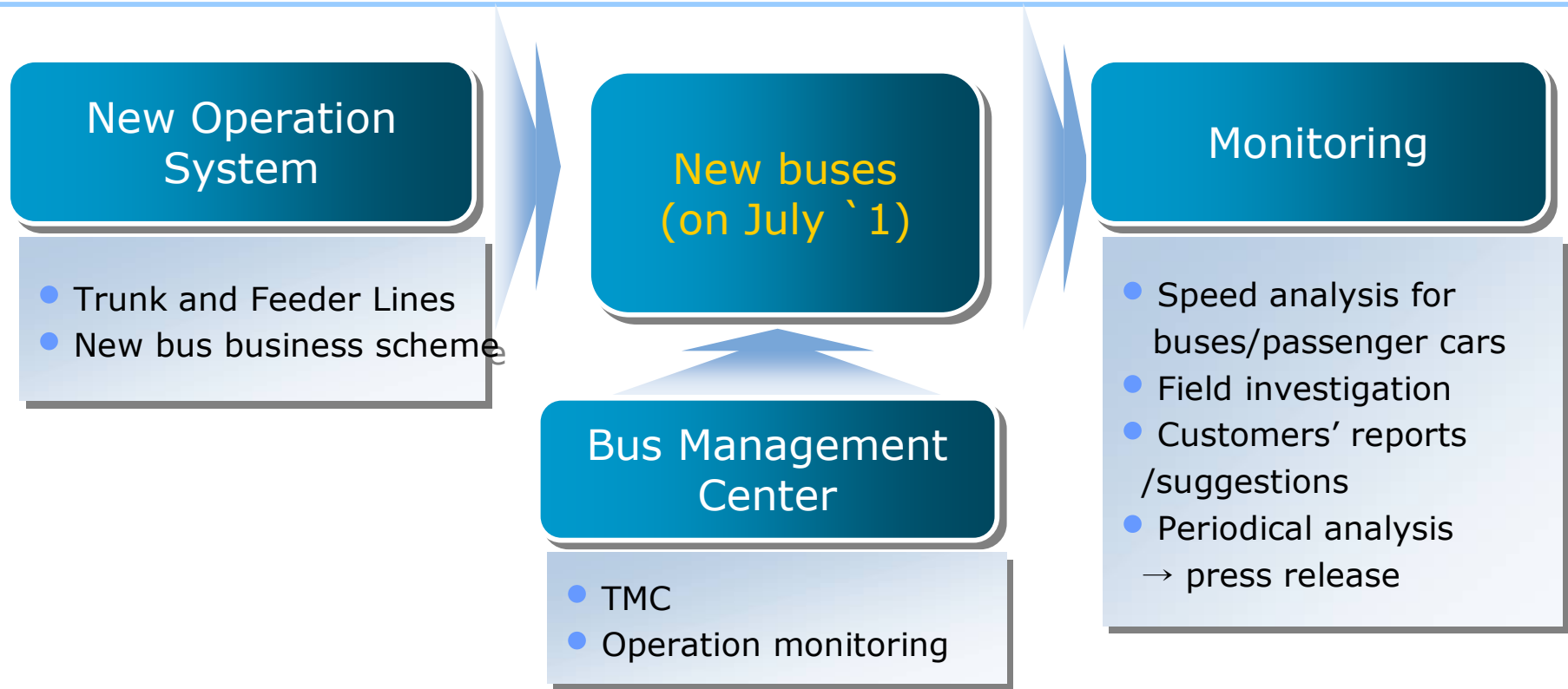
Objectives: Increase share of public transportation system

- Reorganization of Bus Service Lines
  - Trunk Line, Feeder Line, Circular Line, Wide Area Line
- Reorganization of Operation system
  - Semi-Public Operation(SPO) System
  - Revenue Structure
- Establishment of a Support System
  - Expanding Exclusive Median Bus Lanes
  - Improve curbside bus lanes 211.6km



# I . Seoul Bus System Reform Program

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## ☐ New Fare system

- Integrated fare system with subway
  - By trip chains
  - Card-based fare
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## II . Transportation Demand Management

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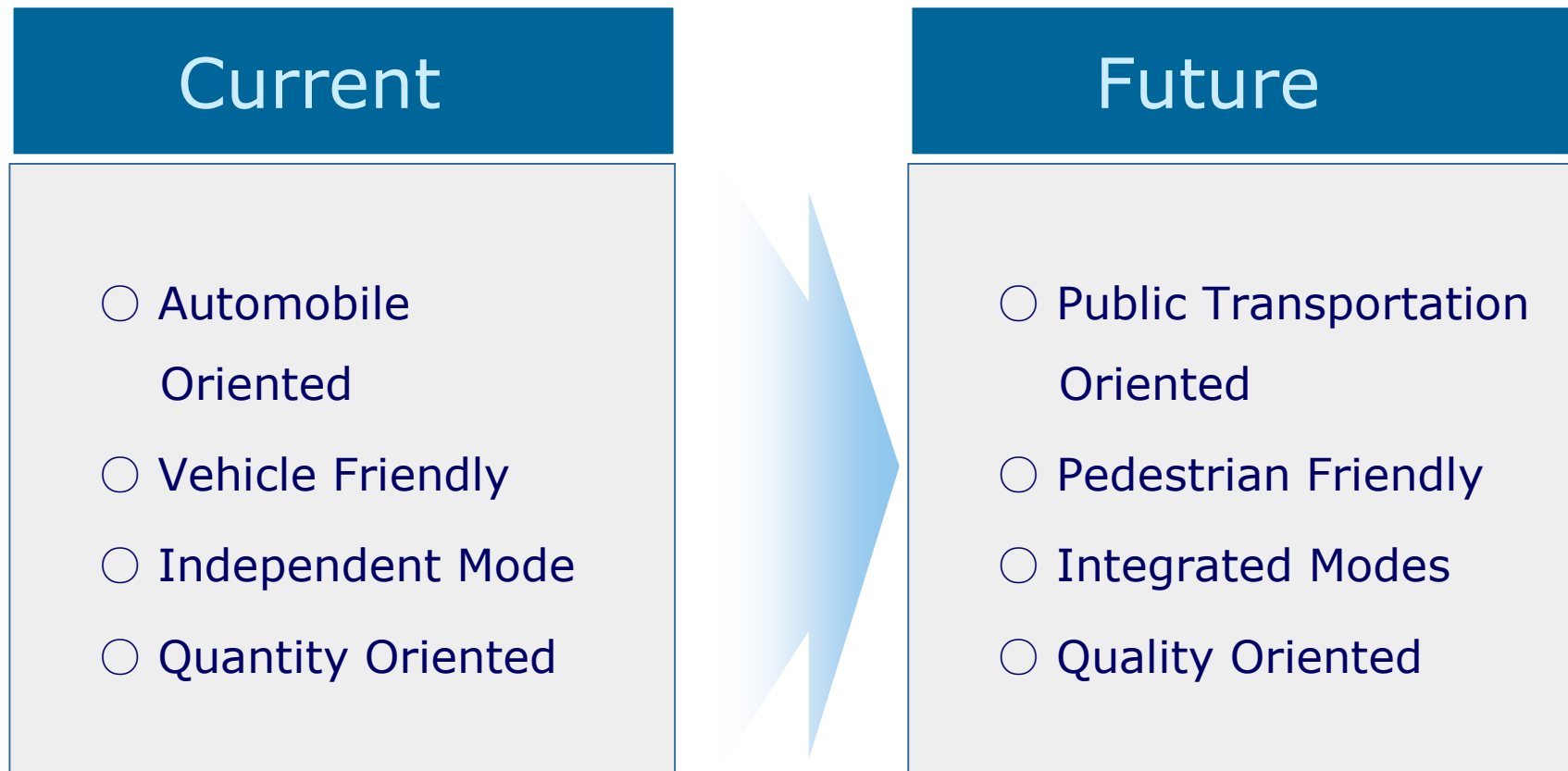
□ Applying both voluntary and direct/compulsory measures of Demand Managing

	Before	After
Basic Principle	<ul style="list-style-type: none"><li>● Indirect/voluntary policies</li></ul>	<ul style="list-style-type: none"><li>● Direct/compulsory policies</li></ul>
Primary Measures	<ul style="list-style-type: none"><li>● Enhancing the efficiency of the VND Day campaign</li><li>● Voluntary TDM</li></ul>	<ul style="list-style-type: none"><li>● Expansion of congestion toll charging locations</li><li>● Expansion of parking lot capping system</li><li>● Garage certificate system</li></ul>

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### III. Vision for Transportation of Seoul

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## IV. Connecting between South and North KOREA Railways

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### 1. Progress of Construction

- Start work on Gyeongui-line and DonghaeNambu-line

### 2. Trans-KOREA Railway(TKR)

- Modernization of North KOREA railway
- Standardization of South and North KOREA railway

### 3. Future Direction

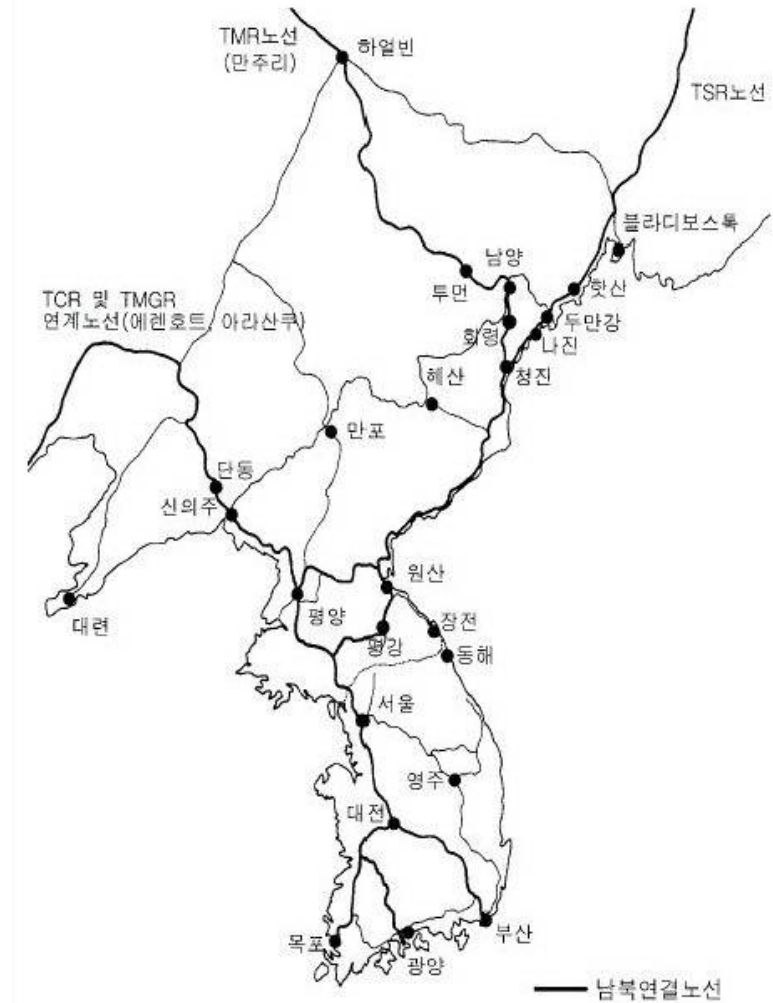
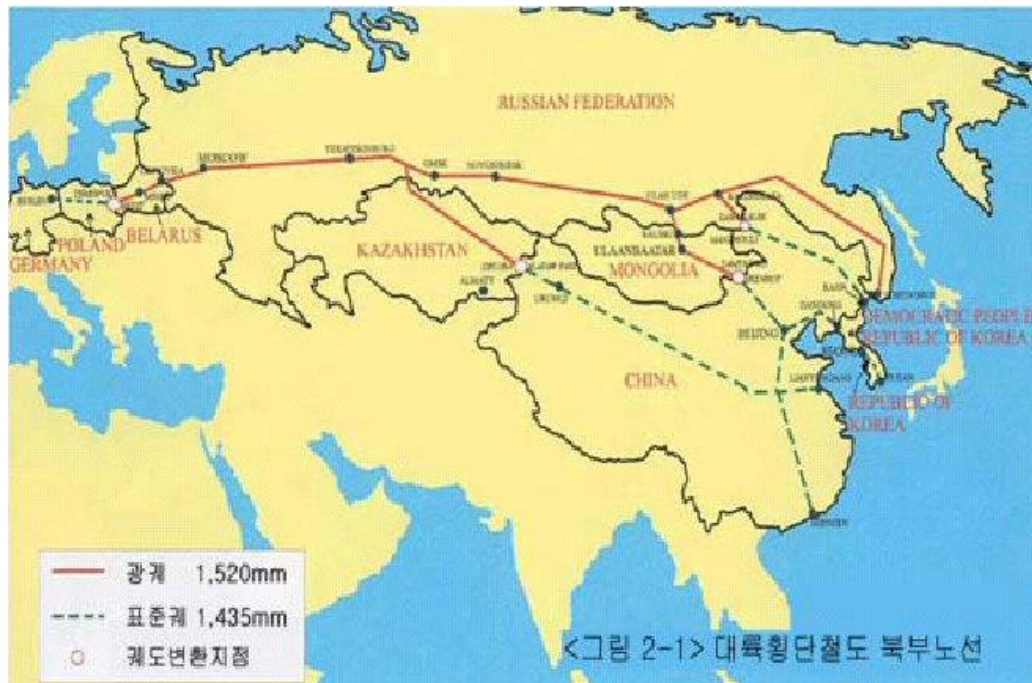
- Connect with Trans-China Railway (TCR), Trans-Siberian Railway (TSR)
- High-Speed Train Service

### 4. Highway Connection in future

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## IV. Connecting between South and North KOREA railways



## V. Transportation Plan for New Capital City

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- Multi-modal Transportation Network for Newly Planned Capital City

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# Thank you

