

High-Speed Rail Seminar in Chicago

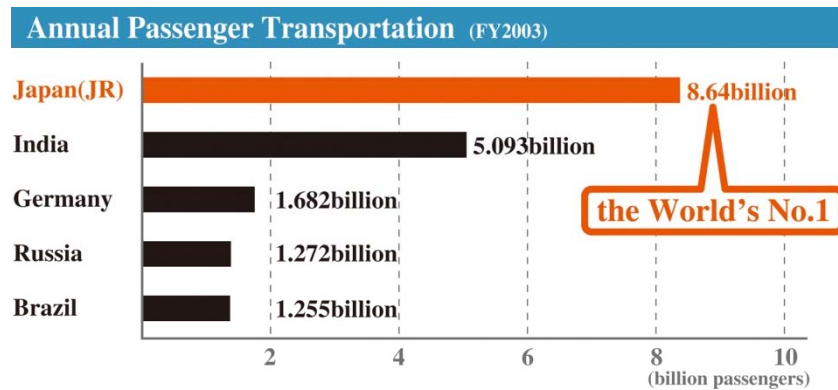
Seiji MAEHARA

June 28, 2010

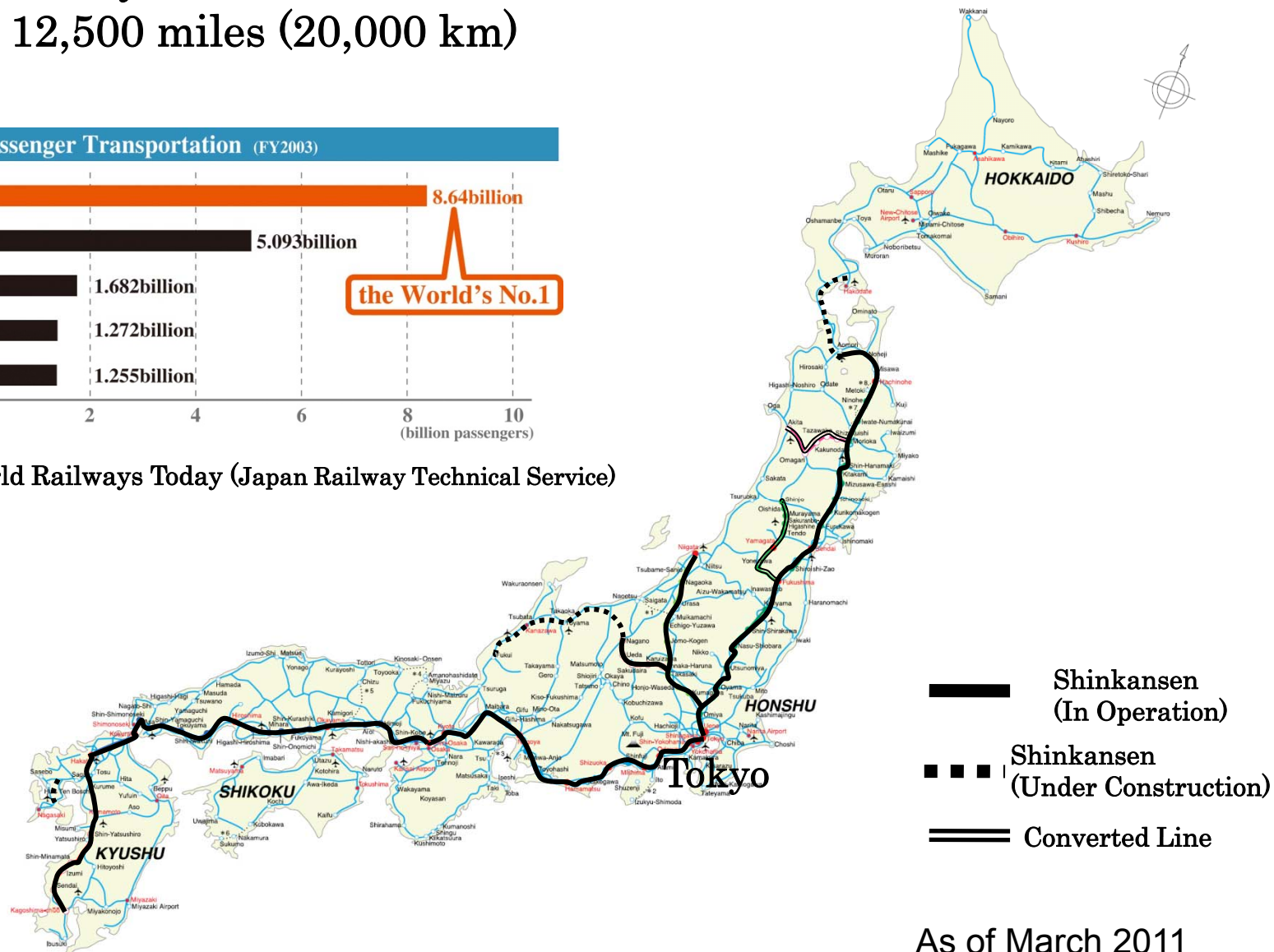


Ministry of Land, Infrastructure, Transport and Tourism

Japan Railway (JR) Network Approx. 12,500 miles (20,000 km)



Source: World Railways Today (Japan Railway Technical Service)



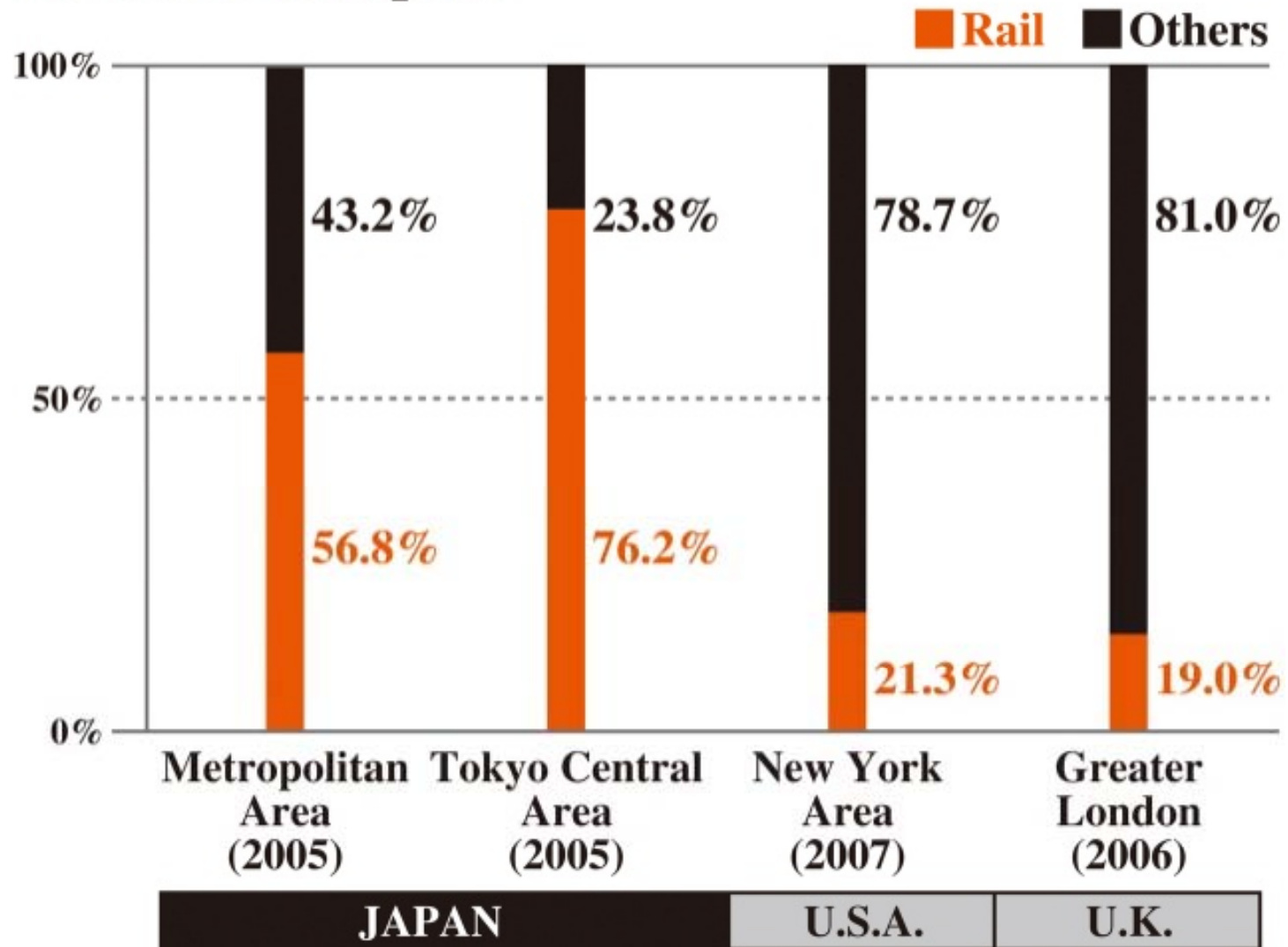
As of March 2011

Tokyo Metropolitan Area; Within a 30-mile (50km) Radius of Central Tokyo



- Shinkansen
- JR Lines
- Other Private Railway Lines
- Shinkansen Station

Share of Transport



Proven Safety & Reliability over 45 years

- Passenger fatalities to date: **ZERO**
- Average delay time: less than **1 minute**

World-Class Integrated Technology





Safety and Energy Efficiency
System for Dedicated High
Speed Rail Project



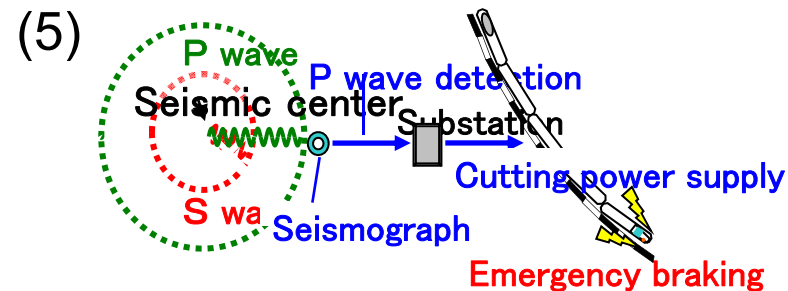
Direct Operation System between Dedicated
and Conventional Line for Evolving
Conventional Line into High Speed Rail



Electro-Diesel Hybrid Railcar



Snow Resistance



Measures against Earthquakes



Stream-lined Front



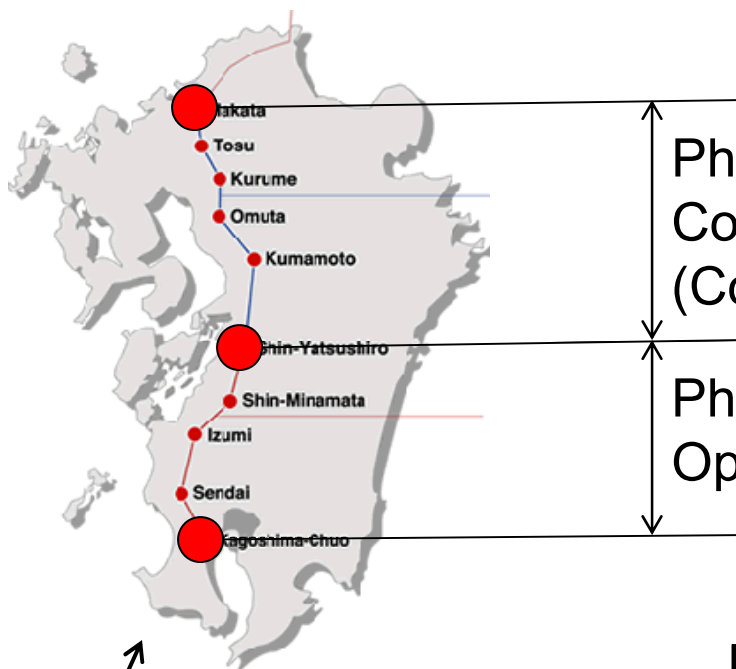
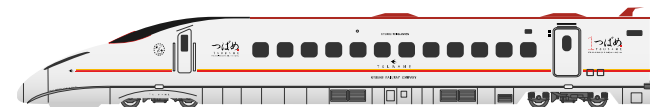
Pantograph Cover

Noise-Reduction Measures



Superconducting Maglev

Kyushu Shinkansen: Hakata - Kagoshima-Chuo (160 miles)

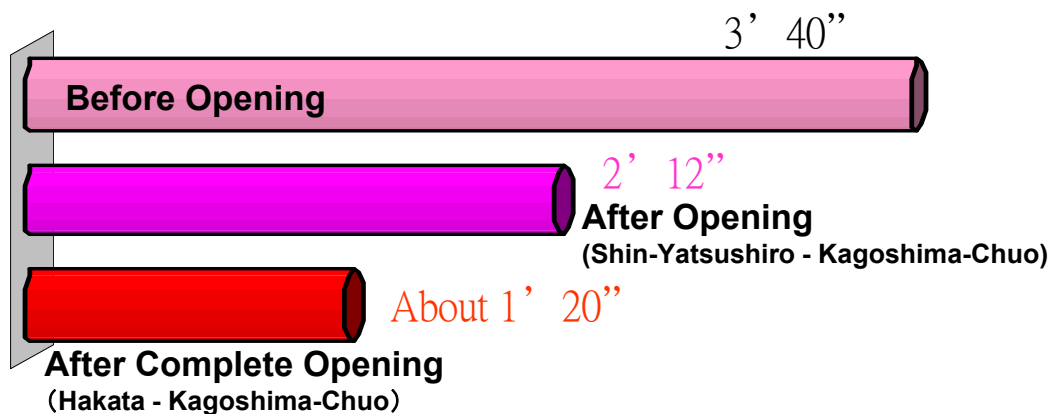


Phase 2: Hakata - Shin-Yatsushiro
Complete Opening in March 2011
(Connected by conventional line at present)

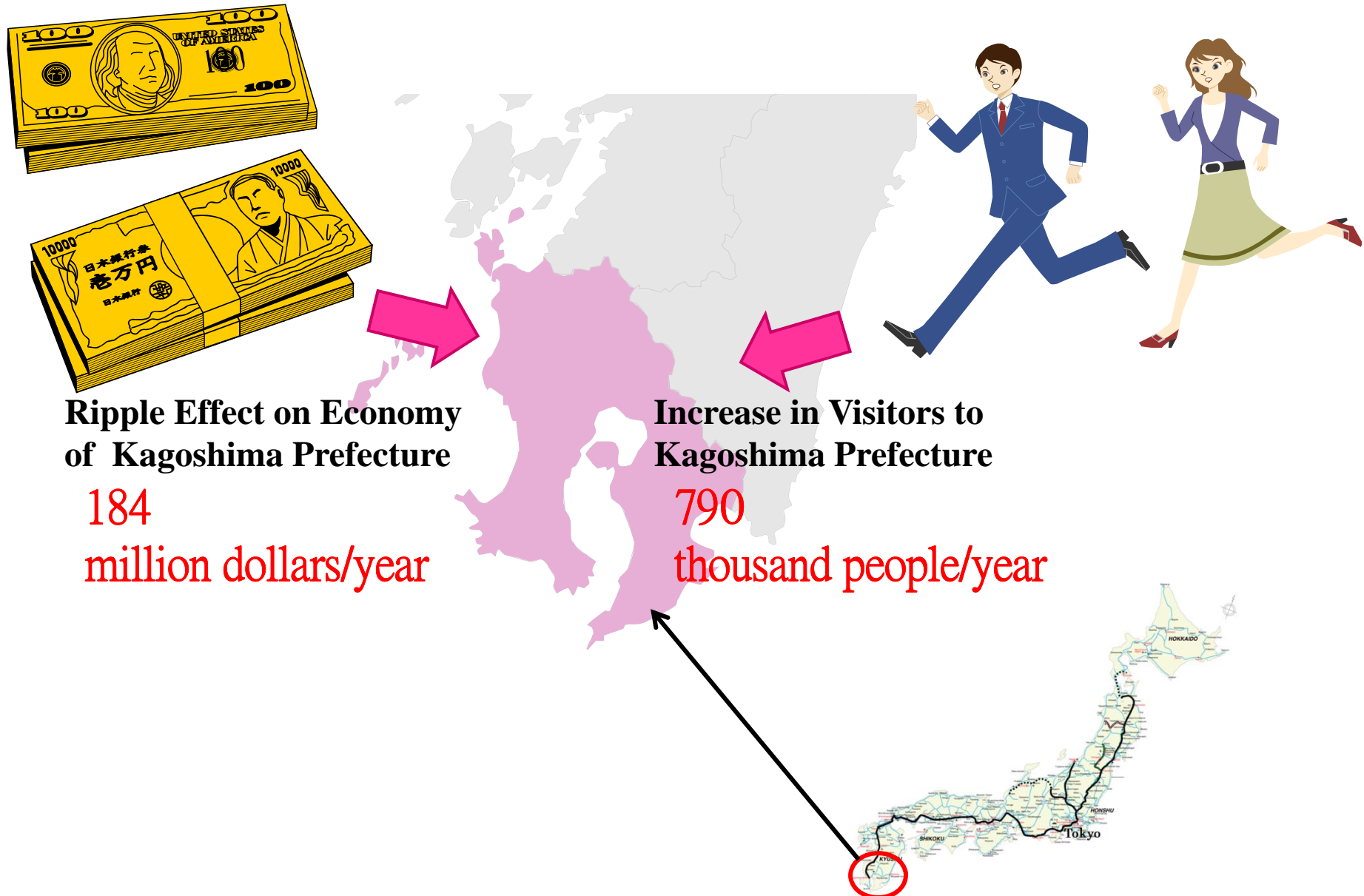
Phase 1: Shin-Yatsushiro - Kagoshima-Chuo
Opened in March 2004



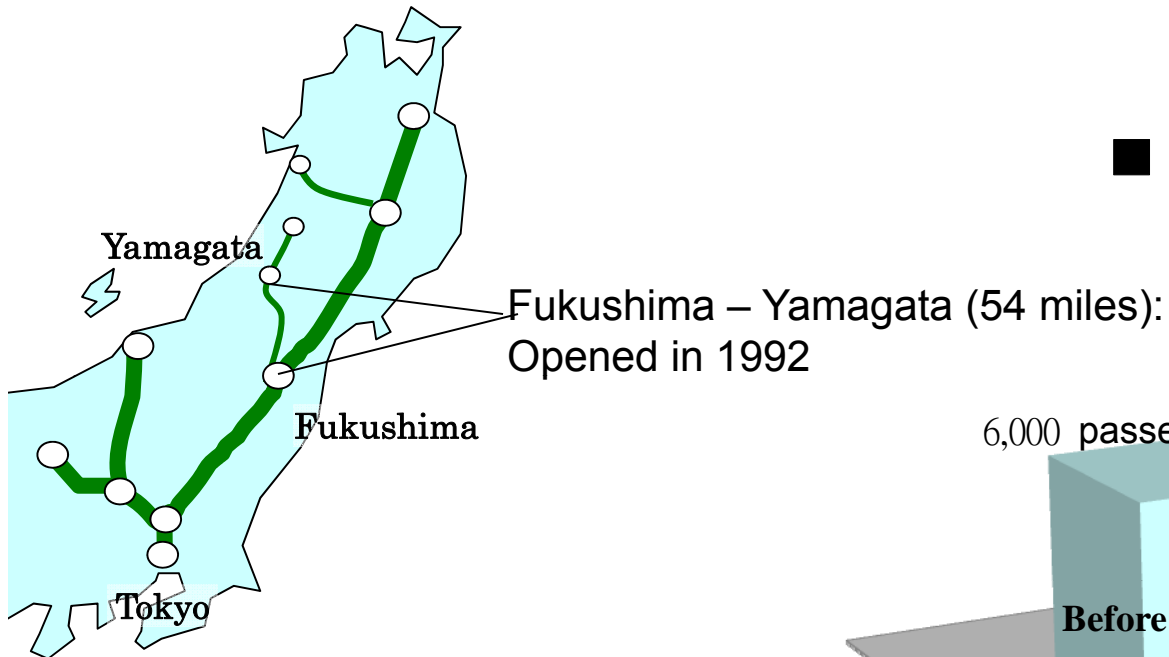
■ Big Time Saving



■ Big impact on local economies through increase in visitors and more

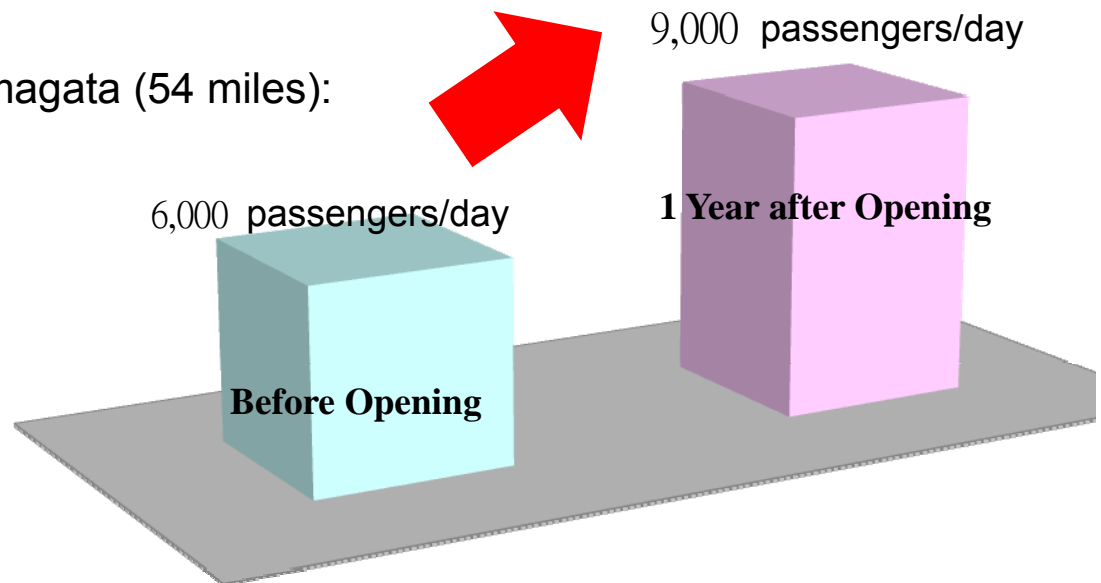


Yamagata Line: Impact of improvement of conventional line



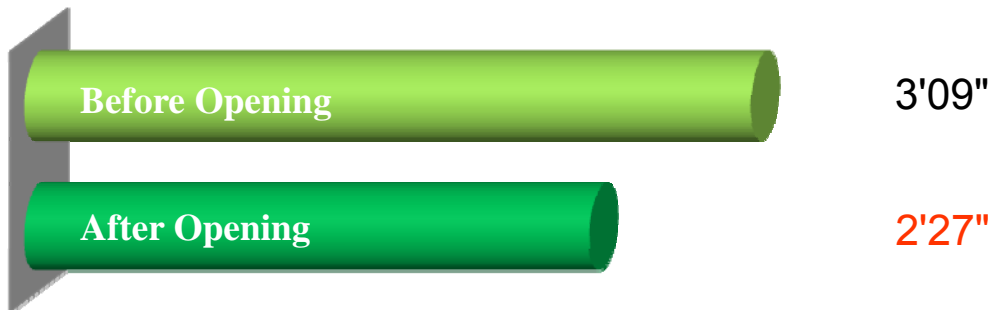
■ Increased Ridership

50% increase



■ Big Time Saving

Tokyo - Yamagata (223 miles)



Wide-Ranging Benefits of High-Speed Rail



2. Construction of Railway Infrastructure



1. Design of High-Speed Rail



4. Manufacture of Railcars



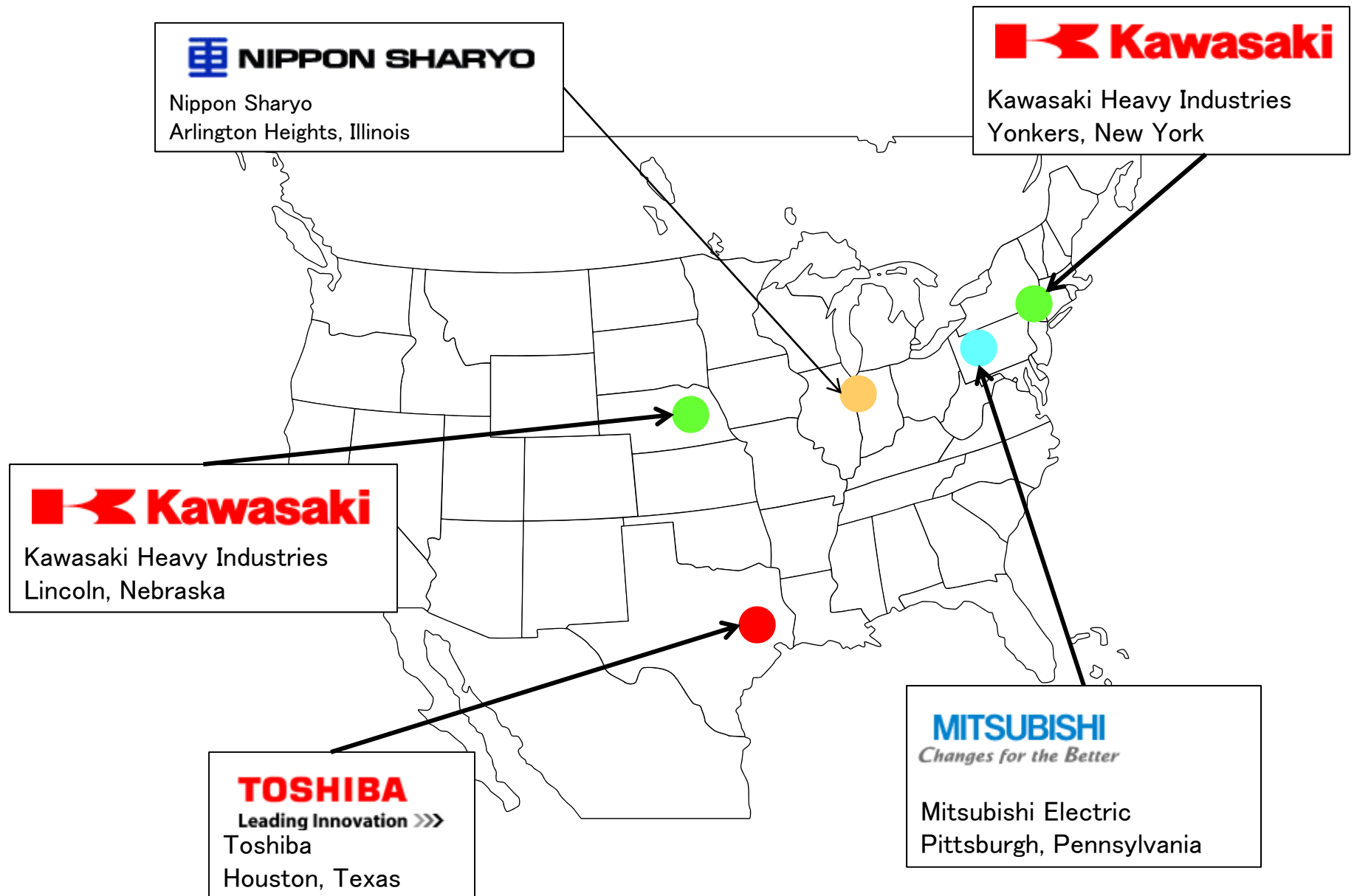
3. Operation and maintainance



5. Development In and Around Stations



Contribution to U.S. Economy by Japanese Rail Industries



April 28, 2010 Cabinet order announced and enforced

→ Enabled the JBIC to finance for high-speed railway projects in the U.S. and other developed countries.

※Preparing to broadening its target to urban railway projects

Key Points of High-Speed Railway Projects

Long-term and high financing required

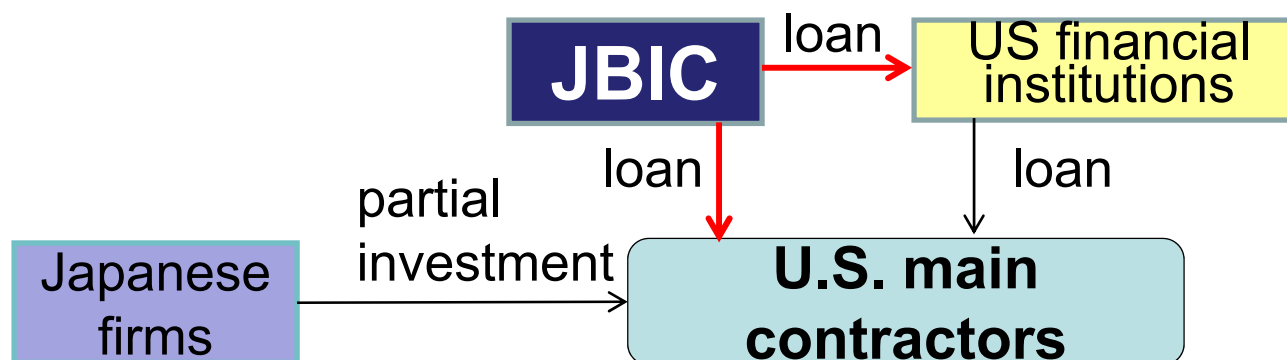
Strong Points of JBIC Overseas Investment Loans

Long-term

Longer-term loan than average loan from private banks

Low Interest

Lower than commercial rates



Thank you