

# Regional Developments through High-Speed Rail Project

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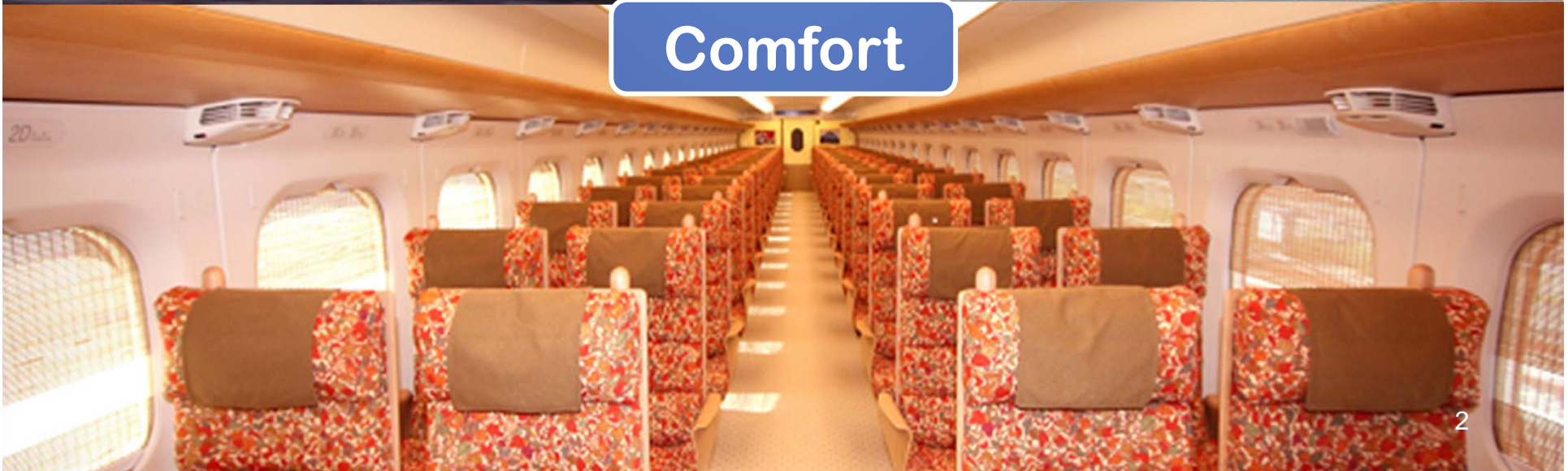
# Users' Benefits by High speed Rail



Reduction of Travel Time

Reliability

Comfort



# HSR as a Tool for Urban Development

- HSR proposals in California have been discussed as helping to shape urban development
- Focus high density development around stations – commercial uses, housing, visitor services such as hotels



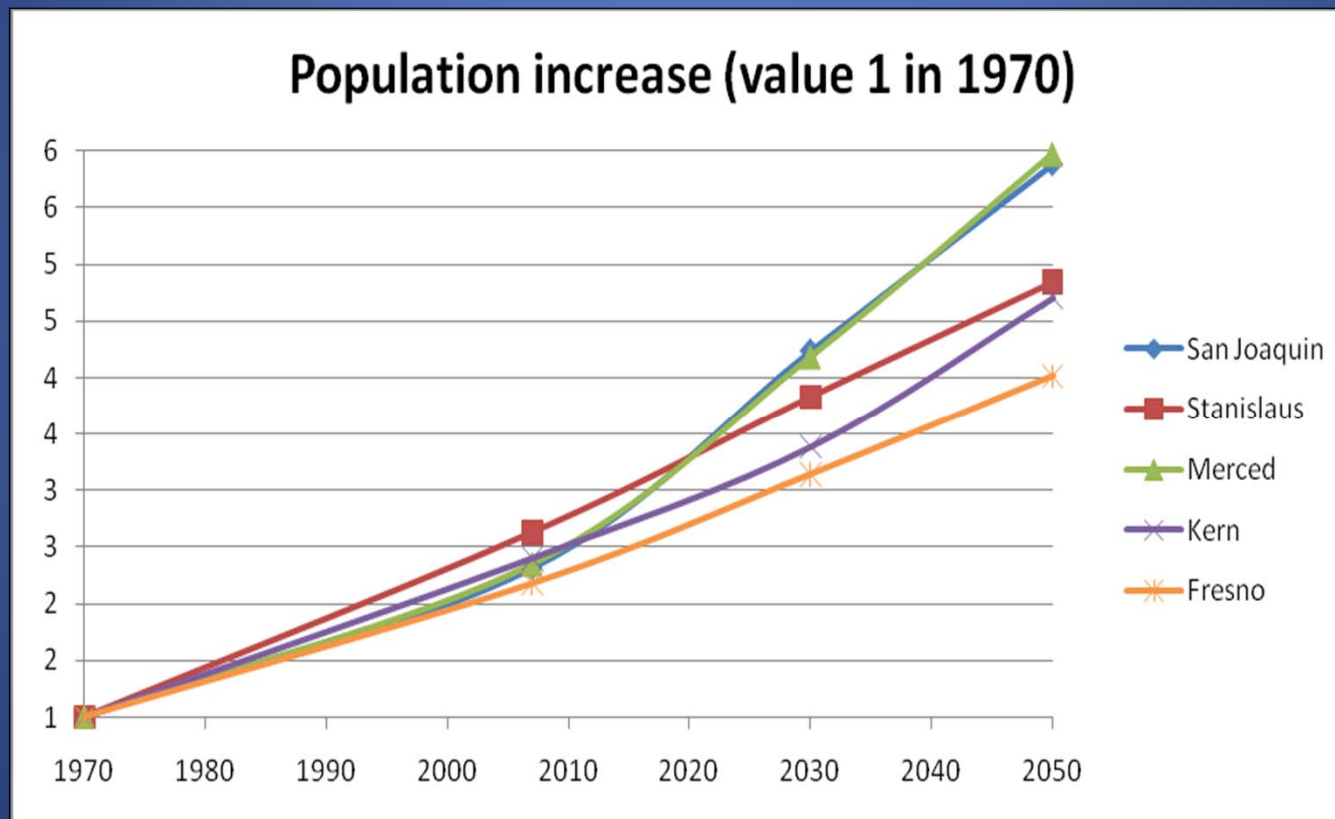
# Example: Fresno, CA



- City of half million, metro area over a million pop.; substantial growth expected next 30 yrs.
- Major employers: IRS, food processing, universities
- Downtown currently has many historic buildings and some high rises, but also very high vacancies and underdeveloped parcels
- City wants to revitalize, infill
- First leg of CA HSR here

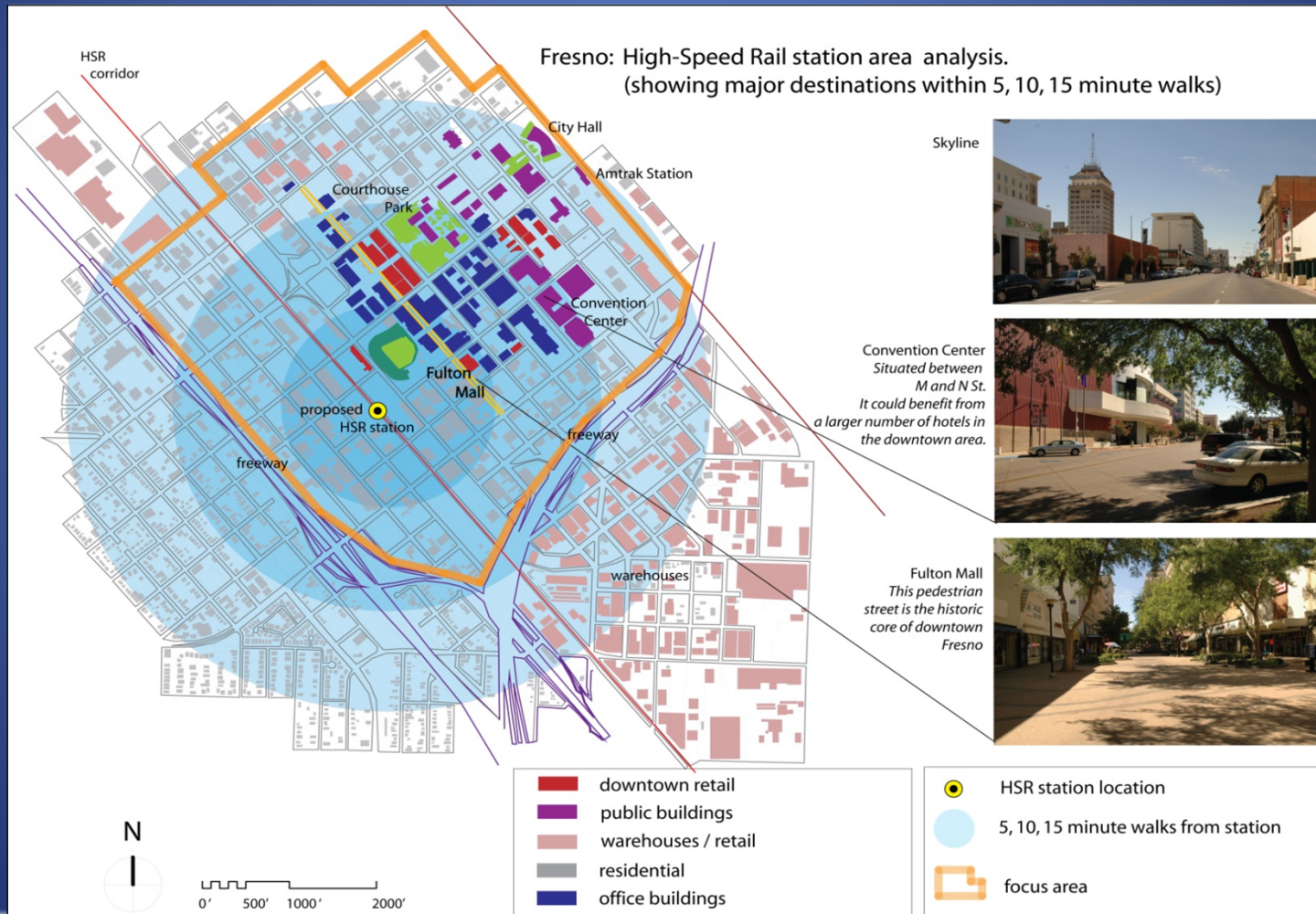


# Expected Population Growth for Central Valley Counties



Source: University of California, Berkeley (2010)

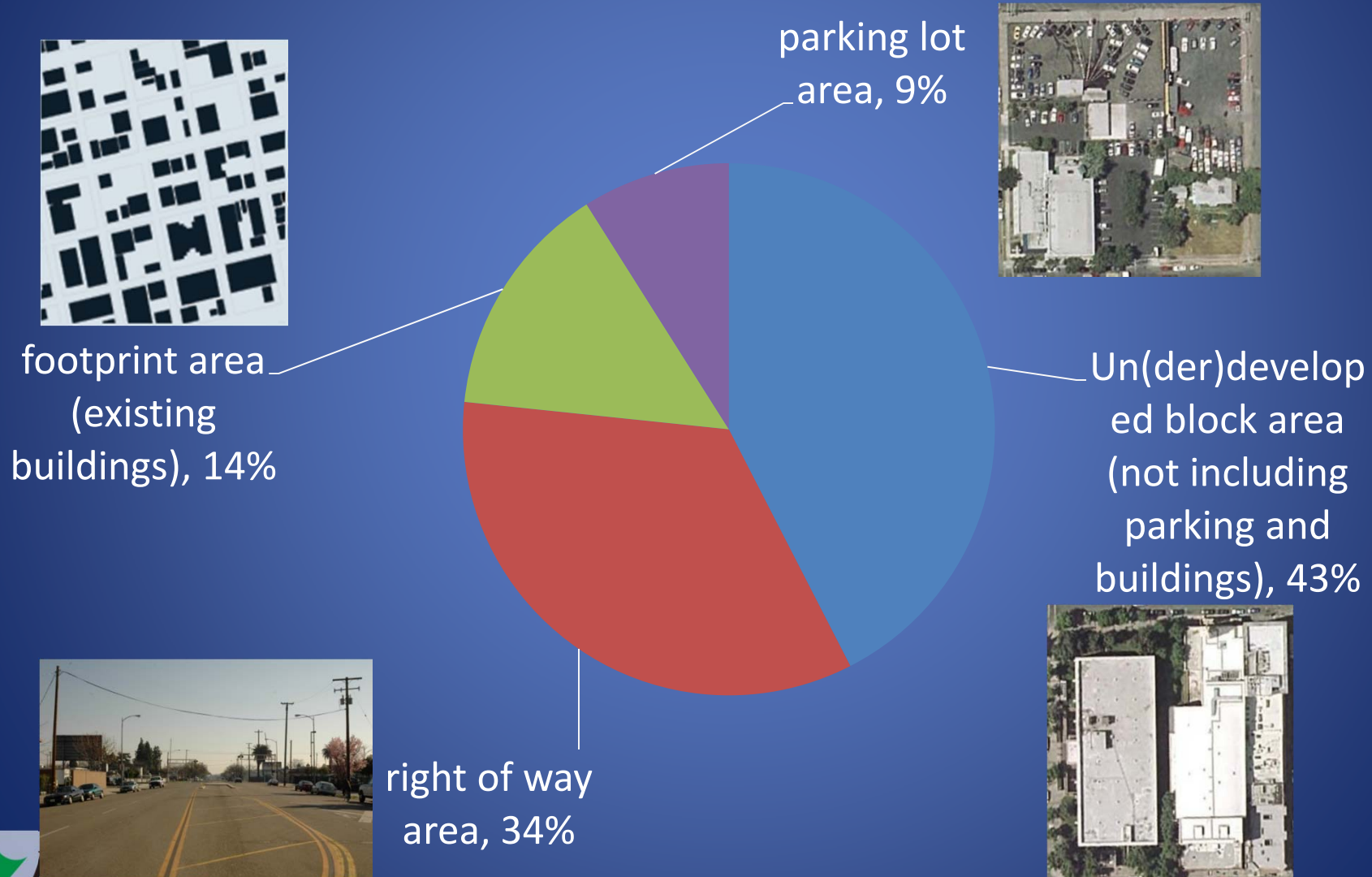
# Fresno downtown and tentative HSR station location





# Station Area Analysis

## Land Uses within 1.5q.Mi. of Station



Source: University of California, Berkeley (2010)

# Urban Development Potential

- Currently about 40,000 jobs downtown
- Fill vacancies (currently about 1.5 M sq. ft.) = 6000 additional jobs
- Develop on underutilized parcels = 10,000 additional jobs



# Visions of the Future: Urban Design for Economic Development

- Use existing stock of fine buildings as inspiration for new infill, updating the core area around the station
- Add housing , hotel, restaurants to serve office workers, visitors
- Promote Fresno as gateway community to the Sierra Nevada and national parks, and as center of local agricultural cornucopia

San Joaquin Light and Power  
Corporation Building

Infill development

Alexander Pantages Theater



Source: University of California, Berkeley (2010)





## Fulton Street

## Design concept 1

Block size (acres)

2.75

Housing units per block

228

Net density (units/acre)

82

Retail (sq ft)

57,000





## Fulton Street

## Design concept 2

Block size (acres)

2.75

Housing units per block

114

Net density (units/acre)

41

Retail (sq ft)

57,000





### Ventura Street - curbside BRT

### Design concept 3

Block size (acres)

2.75

Housing units per block

126

Net density (units/acre)

45

Retail (sq ft)

60,000

# Actual Examples of Local Development in Japan

- Shinagawa Station  
(Tokyo Metropolitan Area)
- Shin-Yokohama Station  
(City of Yokohama)
- Sakudaira Station  
(Nagano Prefecture)



# Location of the Stations



# Shinagawa Station





# Shinagawa Station



Photo: URTT

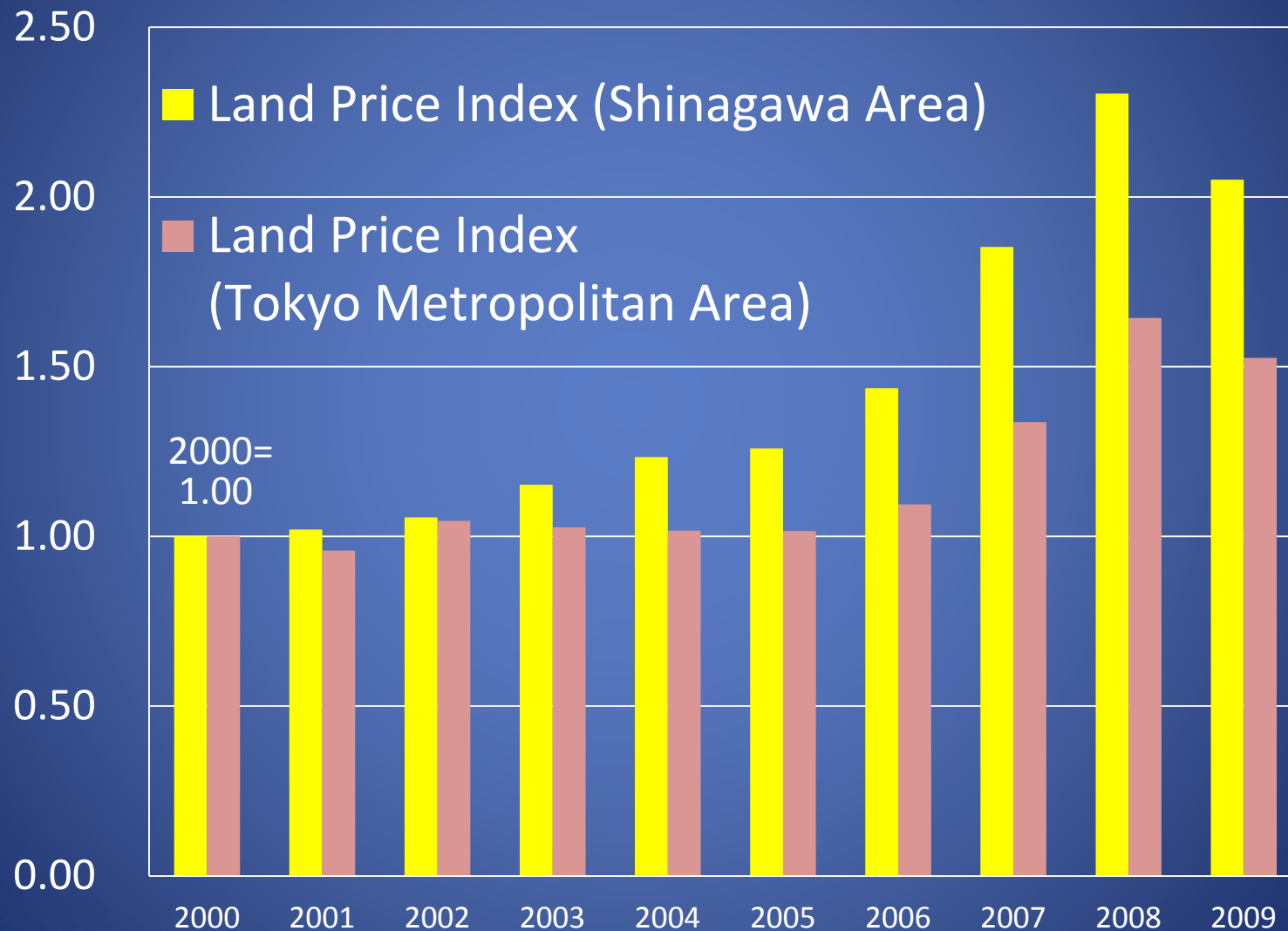


# Shinagawa Station





# Land Price around SHINAGAWA



# Shin-Yokohama Station

## Shin-Yokohama Station

**Tokaido  
Shinkansen**





# Shin-Yokohama Station

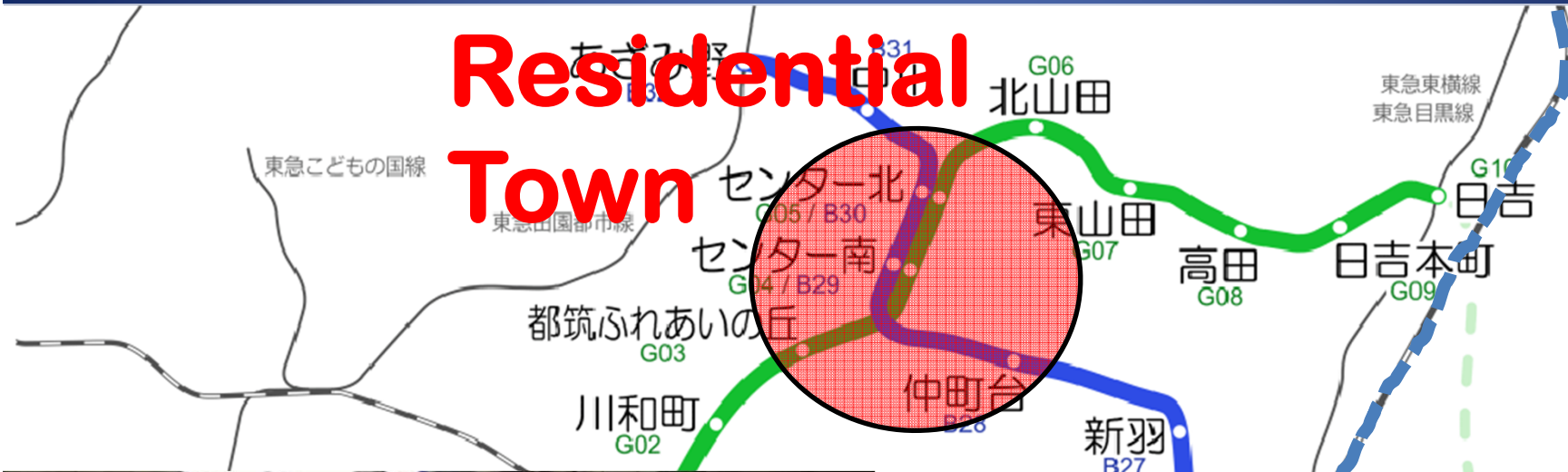


Photos: City of Yokohama



# Shin-Yokohama Station

**Residential  
Town**

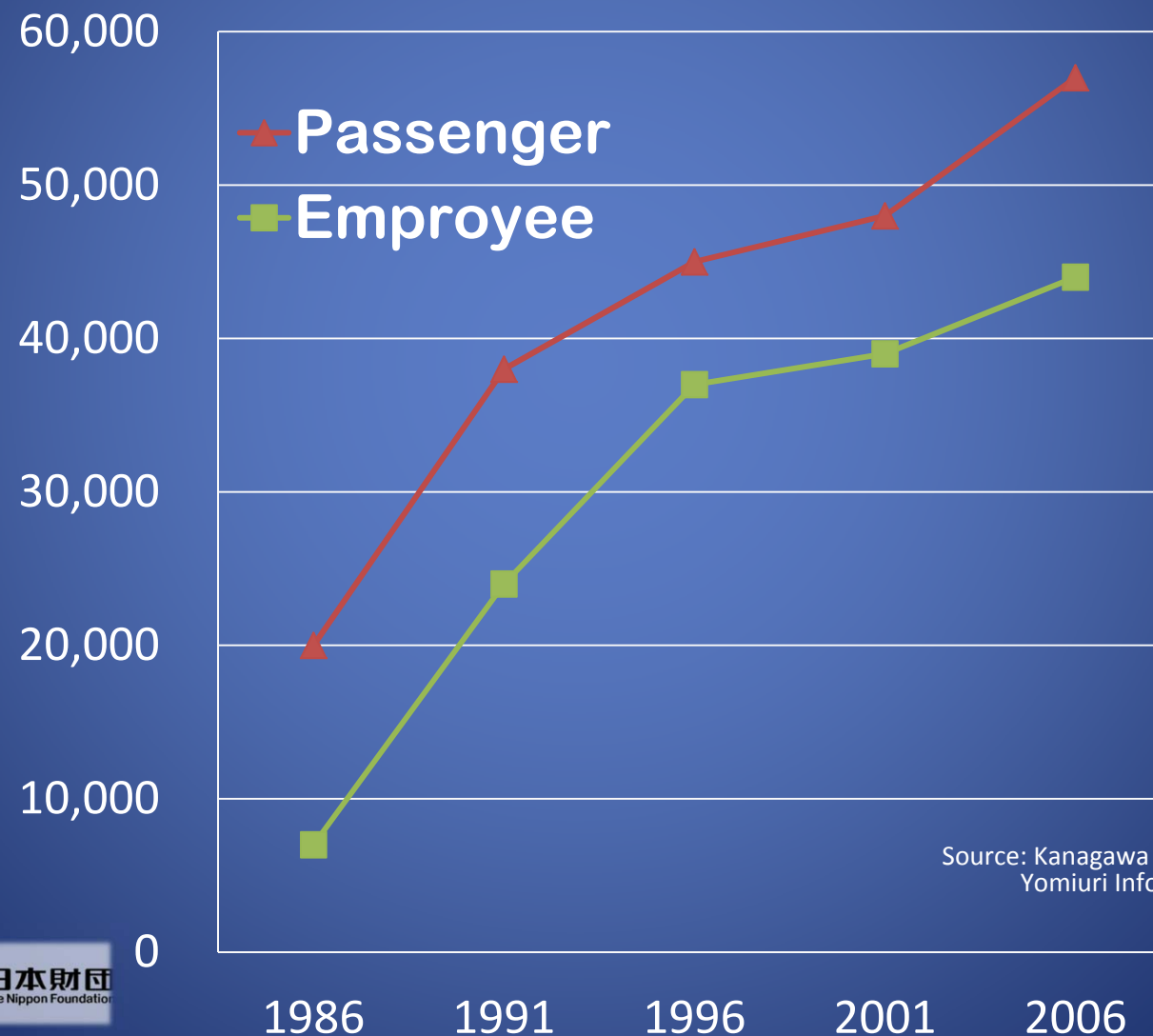


**Shin-Yokohama**





# Passengers and Employees in the vicinity of Shin-Yokohama Station



Source: Kanagawa Prefecture  
Yomiuri Information Service



# Sakudaira Station



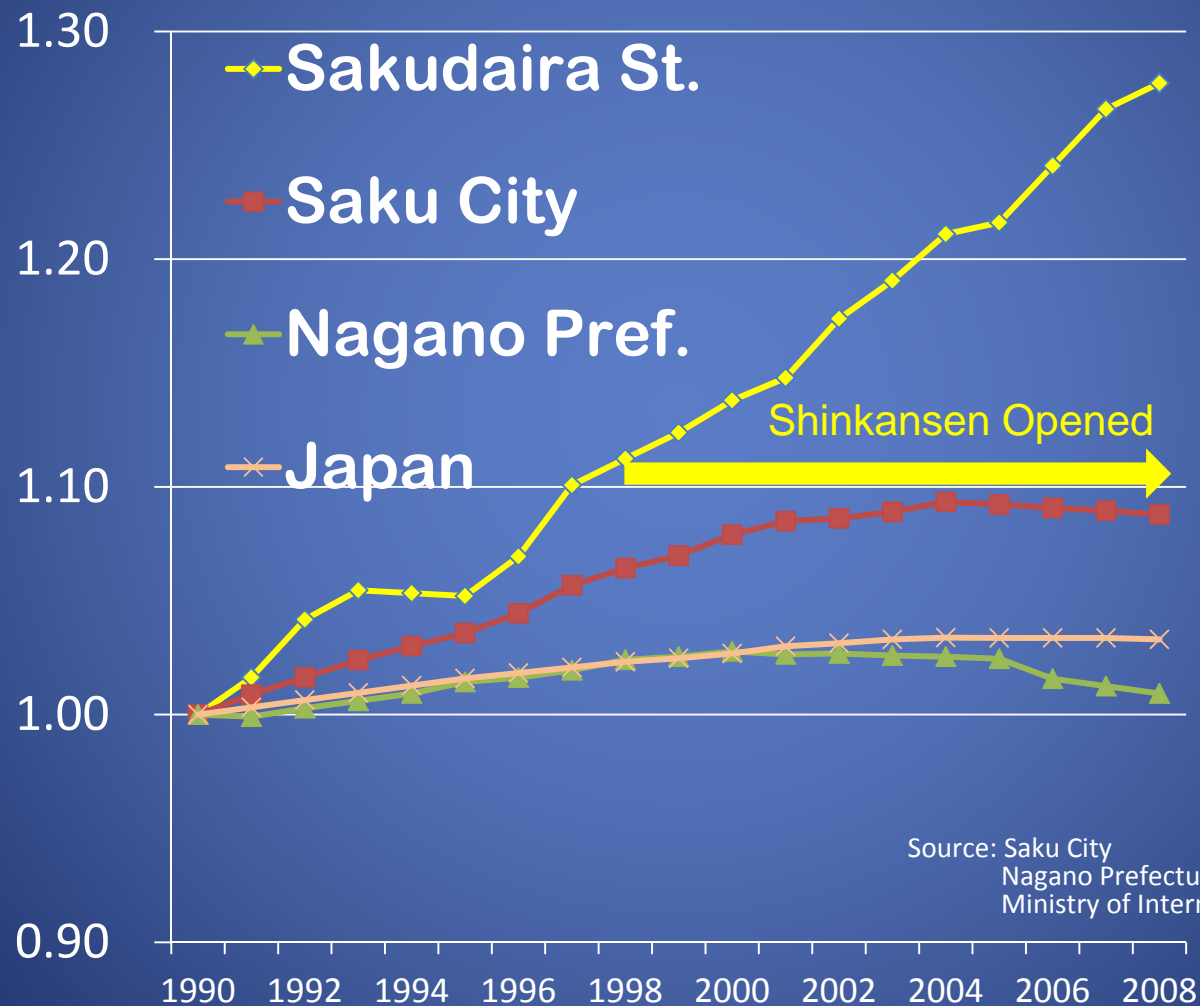


# Sakudaira Station



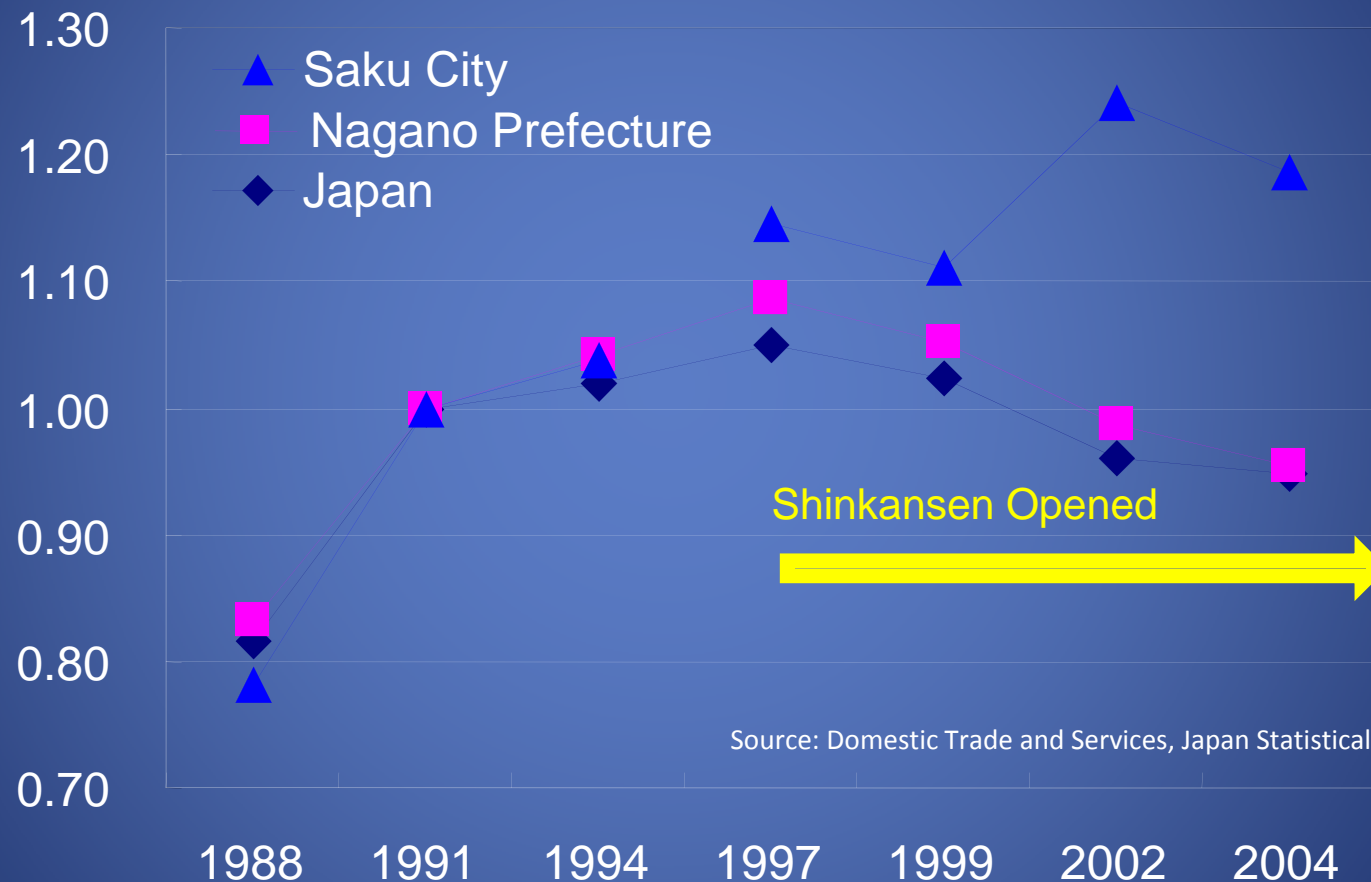
Source: JRTT

# Population (1990=1.0)





# Commodity sales amount (1990=1.0)



Source: Domestic Trade and Services, Japan Statistical Yearbook

# Key Words

- Land use plans
- Variety of tools
- Partnerships



# Thank you very much for your attention.

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