MAKING THE MOST OF HIGH-SPEED RAIL IN CALIFORNIA

Lessons from France and Germany

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Making the Most of High-Speed Rail in California: Lessons from France and Germany

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Speed Versus Connectivity

High speeds should be prioritized in sparsely populated places, while maximizing connections should be the primary concern in densely populated areas.
Paris Transit and HSR.
Berlin Transit and HSR

30 minutes travel time savings in southbound direction

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Station Design and Land Use

HSR stations should celebrate their non-transportation functions.
The Multiple Roles of Stations

Hannover Main Station
The Multiple Roles of Stations
HSR Stations and Space-Efficiency

Lyon Part-Dieu HSR
- 26 million passengers in 2011
- 362 acres
- 5,000 parking spaces
- 11 million sf office
- 45,000 jobs
- 2,000 hotel rooms

Lyon St. Exupéry Airport
- 8 million passengers in 2011
- 5,000 acres (approx.)
- 16,000 parking spaces
- 11,000 sf office
- 5,500 jobs
- 245 hotel rooms
Compatibility with Dense Cities
Berlin Transit and HSR

30 minutes travel time savings in southbound direction

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Space-Efficient Access Modes

Access to stations by space-efficient modes of transportation, including walking, transit, bicycling, taxi and carshare should be prioritized.
• 3,300 bike parking spaces (largest garage in Germany)
• Importance of intermodalism

Münster Bike Station
Introducing
LYFT LINE
Your daily ride
Intermodal Connections

Within HSR stations, first-rate intermodal physical connections between HSR and non-auto access modes are essential.
Seamless Connections - Erfurt
Blended Stations
Intermodal Connections and Payment Systems

It should be easy to pay to use sustainable and space-efficient local access modes to HSR stations.
Mobility Services

Includes:

• Annual public transit pass
• Carshare membership
• Car rental discounts
• 20% discount on taxis, cashless payment
• German Rail discount card
• Integrated mobility bill for all basic costs, carshare and taxi trips
Integrated Navigation and Ticketing
Conclusions
HSR can be transformational in terms of development.

Most of California’s planned HSR stations are in places that are centrally located, have significant development potential, and are anticipating rapid population growth.

California’s HSR system will not mature for many decades. The way in which we travel in 50 years will likely be different from the way in which we travel today.
The Importance of Vision

It is essential to articulate vision for project first and then figure out how to realize vision within constraints.
Powerful champions who can forcefully advocate for their visions for HSR stations and station areas are essential.

Carefully-conceived phasing plans that will foresee how station areas will evolve over time into more urban, compact, and economically dynamic places are essential.

Each station area should establish a cross-cutting governance entity (such as a joint powers authority) to lead station and station area design efforts as early in the design process as possible.
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