



A TRANSFORMATIVE INVESTMENT IN CALIFORNIA'S FUTURE

Annie Parker, Information Officer

Boris Lipkin, Deputy Director of Business Analytics and
Commercial Implementation

EDD Labor Market Information Advisory Group

November 5, 2015

Sacramento, CA



HIGH-SPEED RAIL: More Than A Transportation Program

- California is 7th Largest Economy in the World
- Comparable to Northeast Corridor in Terms of Distance, Population and Complexity
- Transformative Investment
- Connecting all California Population Centers



HIGH-SPEED RAIL: Around the World

- 12 Countries with High-Speed Rail Service
 - » Dozens of Others with High-Speed Rail Under Construction & In Development
- Over 18,500 Miles of High-Speed Rail
- 1.6 Billion Annual Passengers



WHY HIGH-SPEED RAIL IN CALIFORNIA?

- **Curbs Congestion**

- » LAX to SFO is the **Busiest Short-Haul Market** in US
- » 1 in 5 Flights out of Bay Area Heads to LA
- » Six of Top 30 Congested Urban Areas in US Located in California

- **Population Growth**

- » Estimated to Reach **50 Million by 2050**

- **Air Quality/Sustainability**

- » Meets Goals of AB 32/SB 375
- » **Worst Air** Communities in the Country

- **Alternatives are Costly**

- » 2-3 Times **More Expensive**



CONNECTING CALIFORNIA



- Phase I:
 - » 520 Miles
 - » San Francisco to Los Angeles/Anaheim
- Phase II:
 - » Extends 300 Miles
 - » Connections to Sacramento & San Diego

HIGH-SPEED RAIL: Helping Shape Cities

- Ties Economies Together
 - » San Francisco to Fresno = 60 Minutes
 - » Bakersfield to Los Angeles = 60 Minutes
 - » San Francisco to Los Angeles = 2 Hours 40 Minutes
- Connects With and Reinforces Local Mobility
- Foundation for Sustainable Growth
- Opportunities for Revitalization in Downtown Cores



NORTHERN CALIFORNIA: Electrification & Connectivity

- **Electrification of the Caltrain Corridor**
 - » Environmental Review Complete
 - » Request for Proposal on the Street
- **Blended Service Planning & Environmental Continues**
 - » Open House Meetings
 - » Community Working Groups
- **Station Area Planning Agreements**
 - » Gilroy & San Jose



CENTRAL VALLEY: BACKBONE OF HIGH-SPEED RAIL

- Construction Package 1

- » 29 Miles Between Madera and Fresno
- » DB: Tutor Perini/Zachry/Parsons
- » PCM: Wong+Harris



- Right of Way

- » Fresno River Viaduct
- » Tuolumne Bridge
- » Multiple Construction Sites



CENTRAL VALLEY: BACKBONE OF HIGH-SPEED RAIL

- **Construction Package 2-3**

- » 65 Miles Between Fresno and Tulare-Kern County Line

- » DB: Dragados/Flatiron

- » PCM: Arcadis

- **Construction Package 4**

- » 22 Miles Between Tulare-Kern County Line and North of Bakersfield

- » DB: Bids Due November

- » PCM: HNTB (Approved by Board in October)

SOUTHERN CALIFORNIA: Acceleration & Connectivity

- **Planning & Environmental Continues**
 - » Bakersfield to Palmdale
 - » Palmdale to Burbank
 - » Burbank to Los Angeles
 - » Los Angeles to Anaheim
- **Connectivity & Bookend Projects**
 - » Southern California Regional Interconnector Project (SCRIP)
 - » Grade Separations
- **Station Area Planning**
 - » Palmdale, Burbank & LA Union Station



HIGH-SPEED RAIL: Creating Jobs & Workforce Development

- Targeting: **California**
- Construction: Direct, Indirect Jobs in Hard-Hit Sectors
- Permanent
- U.S. Conference of Mayors: High-Speed Rail Will Add **\$4.3 Billion** to Los Angeles Regional Economy and **55,000 Jobs** by 2035
- Bay Area Council: Caltrain Electrification Would Create almost **9,600 Jobs** and Generate **\$2.5 Billion** in Economic Activity



MILLENNIAL GENERATION: A SHIFT IN PERSPECTIVE

- Average Americans:
 - » 6% Decrease in Miles Driven in 2011 vs. 2004
- Drivers 16-34 Years:
 - » 23% Less Miles Driven from 2001 to 2009
- Ownership Alternatives:
 - » Bike, Zip Car, Lyft, Uber, Mega Bus
- Embrace Public Transport
 - » Los Angeles Metro and Metrolink
 - » BART and Muni (Bay Area)
 - » Amtrak



REQUEST FOR EXPRESSIONS OF INTEREST

Delivery of Initial Operating Segment (IOS)

- Solicit Feedback/Interest From Private Sector on Public-Private Partnerships
- Input From Firms that have Delivered High-Speed Rail Systems
 - » Cost Savings
 - » Innovation
 - » Private Sector Investment
 - » Procurement - contract bundling approaches
- Feedback From Private Sector on Using Cap and Trade Proceeds to Accelerate Delivery of Program Systems
 - » Delivery Models that Include Private Sector Financing

THANK YOU

Annie Parker, Information Officer
(916) 403-6931 annie.parker@hsr.ca.gov

Boris Lipkin,
Deputy Director of Business Analytics and Commercial Implementation
(916) 669-6629 boris.lipkin@hsr.ca.gov

Authority Headquarters
California High-Speed Rail Authority
770 L Street, Suite 1160
Sacramento, CA 95814
www.hsr.ca.gov



facebook.com/CaliforniaHighSpeedRail



twitter.com/cahsra



youtube.com/user/CAHighSpeedRail



instagram.com/cahsra