A TRANSFORMATIVE INVESTMENT IN CALIFORNIA’S FUTURE

Ben Tripousis,
Podcar City Conference
November 5, 2015
Mountain View, California
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 3,600 High-Speed Rail Train Sets

• Over 18,500 Miles of High-Speed Rail

• 1.6 Billion Annual Passengers
The State’s Population is Growing
   » 50 million by 2050

Congestion Diminishes Our Competitiveness
   » Highway: Six of top 30 congested urban areas in US are in California
   » Airways: LAX to SFO is the busiest short-haul market in United States
   » Railways: Freight and passenger service share tracks

Poor Air Quality Impacts Our Communities
   » South Coast and Central Valley Air Basins Don’t Meet Current Clean Air Objectives

An Efficient and Less Expensive Alternative
   » Alternatives are 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
KEY PROGRAM MILESTONES

• Funding:
  » $3.3 Billion Federal and $9 Billion Prop 1A
  » 25% of Cap and Trade Proceeds
  » RFEI – 36 Responses from Private Sector

• Environmental Clearances to Date:
  » Merced to Fresno: May 2012
  » Fresno to Bakersfield: June 2014

• Construction Packages:
  » CP 1: Executed in August 2013, Under $1 Billion
  » CP 2-3: Executed in July 2105, Over $1 Billion
  » CP4: Bids Due November 2015, Estimated $400 – $500 Million

• Official Groundbreaking Ceremony
CONNECTING CALIFORNIA: Northern California

• Improves Mobility & Upgrades Bay Area Transportation Infrastructure

• Blended System Along Peninsula
  » Minimizes Impacts
  » Reduces Costs
  » Expedites Implementation
  » Improves Safety
  » Reduces Greenhouse Gas Emissions

• Connects Bay Area to Central Valley

• Connections within Northern California
  » San Francisco to San Jose = 30 Minutes
  » San Francisco to Fresno = 90 Minutes
  » San Jose to Fresno = 60 Minutes

• Create Multimodal Transportation Hubs
  » Transbay Transit Center
  » Millbrae Transit Center
  » San Jose Diridon Station
  » Gilroy Station
CALTRAIN MODERNIZATION PROGRAM

• Early Investment Program ($1.7 billion)
  » Advanced Signal System (CBOSS/PTC)
    • Scheduled Completion 2015
  » Peninsula Corridor Electrification Project
    • Scheduled Completion 2020
    • 87% Reduction in Air Pollution in 2020

• Funded By 2012 Nine Party MOU
  » $705 Million from High-Speed Rail
BLENDED SYSTEM: SAN FRANCISCO TO SAN JOSE

- 51-Mile Corridor
- Blended Service on Electrified Caltrain Corridor
- Stations Being Studied:
  - Transbay Terminal (TTC)
  - 4th and King
  - Millbrae-SFO
  - Mid-Peninsula Option
  - San Jose (Diridon)
SAN JOSE TO MERCED PROJECT SECTION

- 84-Mile Corridor

- Central Valley Wye Portion Being Studied Separately

- Primarily Follows Highway 101 and Highway 152 through the Pacheco Pass

- Stations Being Studied:
  - San Jose (Diridon)
  - Gilroy
REGIONAL IMPROVEMENTS BENEFIT EXISTING SYSTEMS

- **BART**: $145 Million, Millbrae Station Track Improvements and New BART Cars
- **SF Muni**: $61 Million, Light Rail Extension
- **Caltrans/Amtrak Capitol Corridor**: $63 Million, Track Improvements to Increase Service
- **Caltrans/Amtrak San Joaquin**: $41 Million, Construction of New Track to Increase Service
- **Altamont Commuter Express (ACE)**: $11 Million, Stockton Passenger Track Extension
PROJECT DESCRIPTION

• Connections
  » Airport
  » Parking
  » Rental Cars
  » Hotels
  » Transit
• 6 Miles, 3 Bridges
• 10 Stations
• 150-300 Vehicles
Central Valley will Serve as the “Backbone” of a System that will Tie Major Regions of California Together
• Fastest Growing Region in the State
• Revitalize Central Valley Downtown Centers
• Creates Jobs in a Region with High Unemployment
• Best, Most Cost-Efficient Location for Testing
CENTRAL VALLEY: BACKBONE OF HIGH-SPEED RAIL

• Construction Package 1
  » 29 Miles Between Madera and Fresno
  » Work is Underway

• Construction Package 2-3
  » 65 Miles Between Fresno and Tulare-Kern County Line
  » Environmental Clearances Complete
  » Design-Build Contract Executed in June 2015

• Construction Package 4
  » 22 Miles Between Tulare-Kern County Line and North of Bakersfield
  » Environmental Clearances Complete
  » 5 Teams Qualified to Bid
  » RFP for Design-Build Released
  » RFQ Awarded to HNTB
SOUTHERN CALIFORNIA: ACCELERATION & CONNECTIVITY

• Palmdale to Burbank/Burbank to Los Angeles
  » Public & Community Feedback
  » Palmdale: Golden Spike

• 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: Rail Modernization Creates Efficiencies Statewide

• 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
HIGH-SPEED RAIL JOBS

- Preliminary Construction Phase Jobs
  - Planners – Transportation, Environmental, Urban
  - Engineers – Civil, Mechanical/Industrial, Rail, Architectural, computer, Geotechnical, Electrical
  - Managers/Workers – Contracts, Compliance, Project, Program, Risk
  - Environmental
  - Surveyors
  - Estimators
  - Right of Way Agents
  - Outreach /Public Relations
  - Construction Worker/Trades
HIGH-SPEED RAIL JOBS

• Post Construction/Permanent Jobs
  » Trainset Procurement
  » Railcar Manufacturer/Assembly
  » Operation Planners
  » Station Managers/Workers
  » Passenger Service/Reservation Agents
  » Train Operators/Workers
  » Train Dispatchers/Signaling
  » Train/System Security
  » Maintenance Engineers
  » Maintenance Workers – Infrastructure, Train, Station, Track
SMALL BUSINESS PROGRAM

SMALL BUSINESS PARTICIPATION*  
AS OF JUNE 2015

- 30% Goal for Small Business Participation
  - 10% Disadvantaged Business Enterprises (DBE)
  - 3% Disabled Veteran Business Enterprises (DVBE)

240 Certified Small Businesses working on the high-speed rail program statewide

73 Certified Disadvantaged Business Enterprises
33 Certified Disabled Veteran Business Enterprises

NORTHERN CALIFORNIA:
- 83 Certified Small Businesses

CENTRAL VALLEY:
- 54 Certified Small Businesses

SOUTHERN CALIFORNIA:
- 89 Certified Small Businesses

OUTSIDE OF CALIFORNIA:
- 14 Certified Small Businesses

*Based on 35 contracts
**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
SOCIAL MEDIA: #IWillRide

• Support and Educate Others on this Transformative Investment in California’s Future

• #IWillRide Social Media Campaign
  » Engage & Educate

• #IWillRide Youth Advocacy Campaign
  » Increase Millennial Support
CHALLENGES OF TRANSFORMATIVE PROJECTS

• Transformative Projects Have Never Been Easy

• Golden Gate Bridge:
  » “Upside-Down Rat Trap that will Mar the Beauty of the Bay”
  » 2,000 Plus Lawsuits

• BART: Called the Train to Nowhere

• University of California System & California State Water Project:
  » Single Vote Margins

• Where would California be without these?
THANK YOU

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