



# A TRANSFORMATIVE INVESTMENT IN CALIFORNIA'S FUTURE

Ben Tripousis  
Northern Regional Director  
Caltrain Citizens Advisory Committee  
August 19, 2015  
San Carlos, CA



## CONNECTING CALIFORNIA



- **Inter-Regional:  
Tying Economies Together**
  - » SF-LA
  - » Central Valley-Silicon Valley
- **Intra-Regional:  
Fostering Stronger Local Economies**
  - » Reliability
  - » GHG Reductions
  - » Sustainable Development

## KEY PROGRAM COMPONENTS

- Connect the State's Major Cities
- Provide a One-Seat Ride from SF to LA in 2 Hours and 40 Minutes
- Capable of Operating at Speeds up to 200 MPH
- Operate Without a Subsidy
- Eventual Extensions to San Diego and Sacramento



## KEY PROGRAM MILESTONES

- **Funding:**
  - » \$3.3 Billion Federal and \$4.7 Billion Prop 1A
  - » 25% of Future Cap and Trade Proceeds
- **Environmental Clearances:**
  - » Merced to Fresno: May 2012
  - » Fresno to Bakersfield: June 2014
- **Construction Packages:**
  - » CP 1: Executed in August 2013, Under \$1 Billion
  - » CP 2-3: Contract Execution Expected in Spring 2015
  - » CP4: Statements of Qualifications Received From 5 Teams Qualified to Bid
- **Official Groundbreaking in January**
- **Work is Underway**



## WHY START IN THE CENTRAL VALLEY?

- 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



## CONSTRUCTION PACKAGE 1

- Approximately 29-Miles between Avenue 17 in Madera to East American Avenue in Fresno
- Design-Build Contractor: Tutor Perini/Zachry/Parsons
- PCM: Wong+Harris



## CP 1 STATUS: DESIGN & CONSTRUCTION

- **Final Design**
  - » 60% Design Submittals Received for
    - Submittals Include at Least 16 Structures and Information about Trackbed
- **Construction**
  - » Hazmat Abatement and Demolition of Recently Acquired Parcels
  - » Demolition of 27 Structures to Date
  - » Utility Relocation Work Began in Downtown Fresno
  - » Testing at Bridge Locations for Design



## CONSTRUCTION PACKAGE 2-3

- Approximately 60 Miles
- East American Avenue in Fresno to One Mile North of the Kern/Tulare County Line
  - » December 12, 2014:
    - Dragados/Flatiron/Shimmick “Apparent Best Value” Bidder
    - Proposed Price – Approximately \$1.2 Billion
  - » January 13, 2015:
    - Board Awards Contract to Dragados/Flatiron/Shimmick
  - » Contract Execution Expected in Spring 2015
  - » PCM: Arcadis



## CONSTRUCTION PACKAGE 4

- Approximately 22 Miles
- One Mile North of Kern/Tulare County Line to Poplar Avenue
- Estimated Contract Value \$400-500 Million
- **Timeline**
  - » Nov. 20: RFQ Released
  - » Dec. 5: Industry Forum
  - » March 13: SOQs Due
  - » May: 5 Teams Qualified to Bid
  - » May 27: RFP Released
  - » June 10: Industry Forum, Wasco Veterans Hall, 1pm-3pm
  - » Fall: Proposals Due
  - » Early 2016: Board Awards Contract



## NEXT STEPS WITH CAP & TRADE



- Advance Multiple Segments of High-Speed Rail Concurrently
- All Phase 1 Project Sections are in Construction or Environmental Review
- Complete Planned Regional Transportation Improvements
- Establish an Interstate High-Speed Rail System with a Connection to Las Vegas from Palmdale

## SMALL BUSINESS PROGRAM

SMALL BUSINESS PARTICIPATION\*  
AS OF DECEMBER 2014



- **30% Goal for Small Business Participation**

- » 10% Disadvantaged Business Enterprises (DBE)
- » 3% Disabled Veteran Business Enterprises (DVBE)

- **Construction Package 1:**

- » 27 Small Businesses and Vendors from Madera and Fresno Counties
- » \$97 Million in Commitments

## COMMITMENT TO DIVERSE SMALL BUSINESSES

- **Businesses That Count Toward the Overall Goal are Certified:**

- » Small/Micro Businesses Enterprises
- » Disabled Veteran Business Enterprises
- » Disadvantaged Business Enterprises
- » 8(a) – Certified Firms

- **The Authority Recognizes the SB Certifications from:**

- » California Department of General Services (SBE, DVBE, MBE)
- » California Unified Certification Program (DBE)
- » Small Business Administration - 8(a) Program

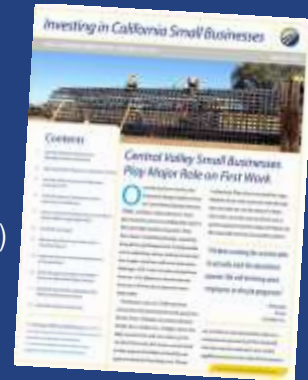
- **All State Contracts are Advertised Through**

<http://www.bidsync.com>



## CONNECTING CALIFORNIA: SMALL BUSINESSES

- Free Statewide Certification Workshops
- Meet the Primes & Industry Forums to Connect Prime Contractors with Small Businesses
- Business Advisory Council (BAC)
- Partnerships with Federal, State and Local Organizations to Assist and Aid Small Businesses
  - » U.S. Small Business Administration (SBA)
  - » Minority Business Development Agency
  - » Workforce Investment Boards
  - » Small Business Development Centers
  - » Economic Development Corporations (EDC)
  - » Women Construction Owners & Executives (WCOE)
  - » GoBiz
  - » CalVet



## SAFETY IMPROVEMENTS

- Quad Gates
  - » Block All Lanes of Traffic of Both Sides of Track
  - » Channelization
  - » Gate Delay on Exit Side
  - » Possible 98% Reduction in Collisions (UC Berkeley Safe Transportation Education and Research Center)
- Intrusion Detection
- Positive Train Control (PTC)



## GRADE SEPARATION AND SAFETY PLAN

- **Long-Term:**

- » California's High-Speed Rail System will have No At-Grade Crossings Between San Francisco and Los Angeles
- » Over Time it Will Be 100% Grade Separated

- **Short-Term:**

- » Dedicated High-Speed Right-of-Way will have No At-Grade Crossings
- » 420 Miles with Grade Separations in Phase 1
  - San Jose to Los Angeles Fully Grade Separated
- » Bookends will have "Protected" At-Grade Crossings
  - Urbanized Environment
  - Complicated Design
  - Impacts to Communities & Railroad Operations

## WHAT IS GRADE SEPARATION?

- Roadway is Re-Aligned Over or Under the Railway
- Hazards are Eliminated





## BENEFITS OF GRADE SEPARATION

- **Benefits Include:**
  - » Safety
  - » Decrease in Traffic
  - » Reduction in GHG Emissions
  - » Improved Train Operations



- **Regulated by the California Public Utilities Commission (CPUC)**
  - » Rail Safety Branch
  - » CPUC Sets Priority List for Grade Separations

## GRADE SEPARATION: OUR LONG-TERM PLAN



## SAFETY IMPROVEMENTS & PARTNERSHIPS

- CPUC
- Caltrain
- Caltrans
- Operation Lifesaver
  - » <http://www.caol.us/>
  - » California High-Speed Rail is a Participant
- Regional Partners
- Cities, Counties and Local Governments



## THANK YOU

**Ben Tripousis**

Northern Regional Director

(408) 277-1085 [ben.tripousis@hsr.ca.gov](mailto:ben.tripousis@hsr.ca.gov)

**Northern California Regional Office**

California High-Speed Rail Authority

100 Paseo de San Antonio

San Jose, CA 95113

[www.hsr.ca.gov](http://www.hsr.ca.gov)



[instagram.com/cahsra](https://www.instagram.com/cahsra)



[facebook.com/CaliforniaHighSpeedRail](https://www.facebook.com/CaliforniaHighSpeedRail)



[twitter.com/cahsra](https://twitter.com/cahsra)



[youtube.com/user/CAHighSpeedRail](https://www.youtube.com/user/CAHighSpeedRail)