

CHSRA Board Meeting

December 03, 2008

Program Management

Presentation by

Tony Daniels

Program Director



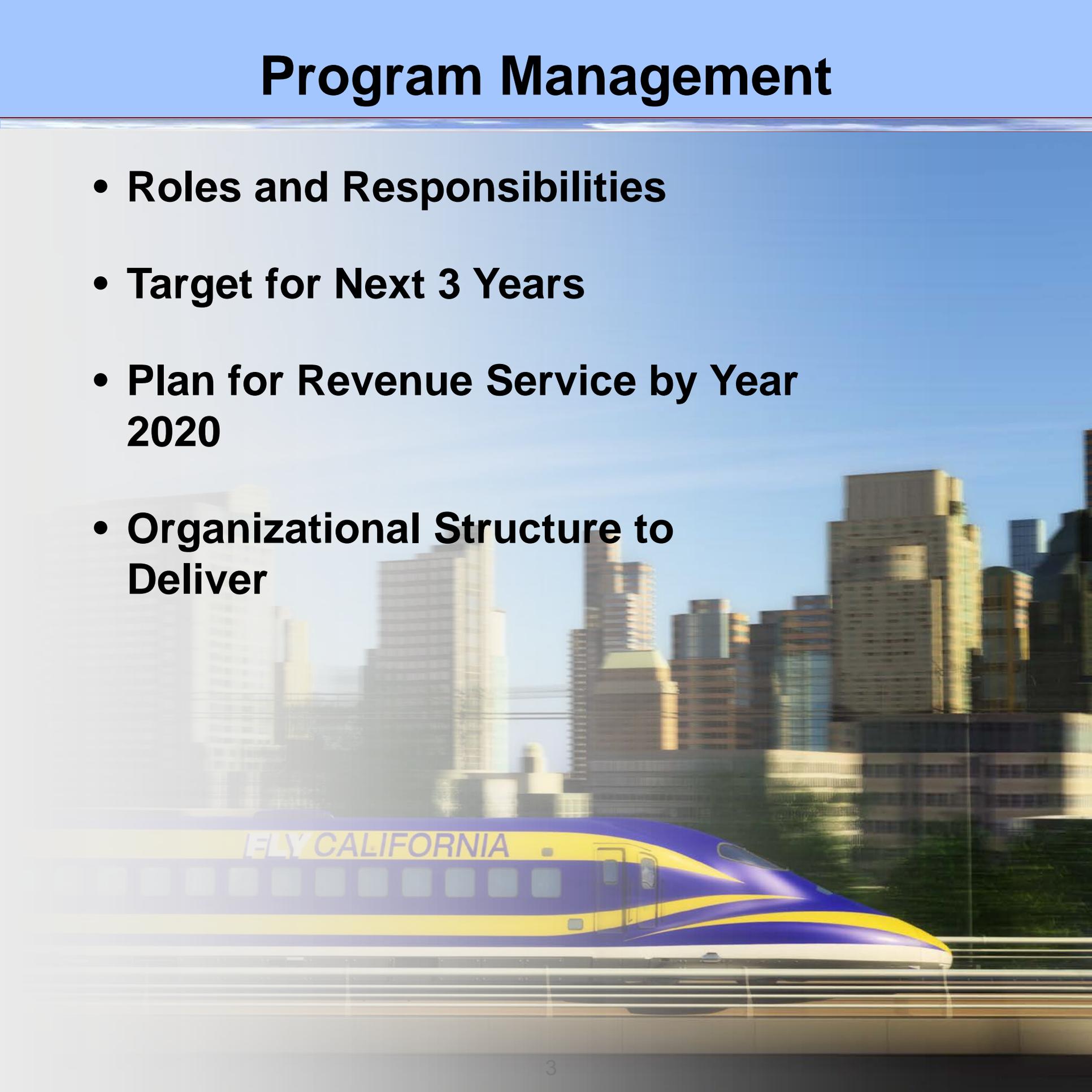
Program Management

Ensures that the Team delivers a safe and reliable high-speed railway system that meets the Authority's objectives and complies with applicable state and federal regulations.



Program Management

- **Roles and Responsibilities**
- **Target for Next 3 Years**
- **Plan for Revenue Service by Year 2020**
- **Organizational Structure to Deliver**



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Program Management

Roles and Responsibilities

- **Manage the Regional Teams**
 - **System Level Design**
 - **Develop Standards**
 - **Regulatory Approvals**
- Environmental Documentation
 - Resource Agency Coordination
 - Engineering and Design Consistency
 - Public Outreach / Communications Consistency/ Ensure all local communities have comment and input to the project
 - Design Submittals - Compliance with HSR Standards
 - Drive Schedule, Control Budget, Ensure Quality

Program Management

Roles and Responsibilities

- Manage the Regional Teams
 - **System Level Design**
 - Develop Standards
 - Regulatory Approvals
- Ridership Forecasts
 - System Performance / Trip Times
 - Operations Plan
 - Trainset Technology / Number of Trainsets
 - Maintenance Plan
 - Electrification / Traction Power
 - Train Control – Signalling & Communications

Program Management

Roles and Responsibilities

- Manage the Regional Teams
 - System Level Design
 - **Develop Standards**
 - **Regulatory Approvals**
- Ensure Safety, Reliability, and Consistency across the Network
 - Based on Proven HSR Systems
 - Confirm Systems Integration
 - Infrastructure
 - Electrification
 - Train Controls
 - Operations
 - Maintenance
 - Rolling Stock

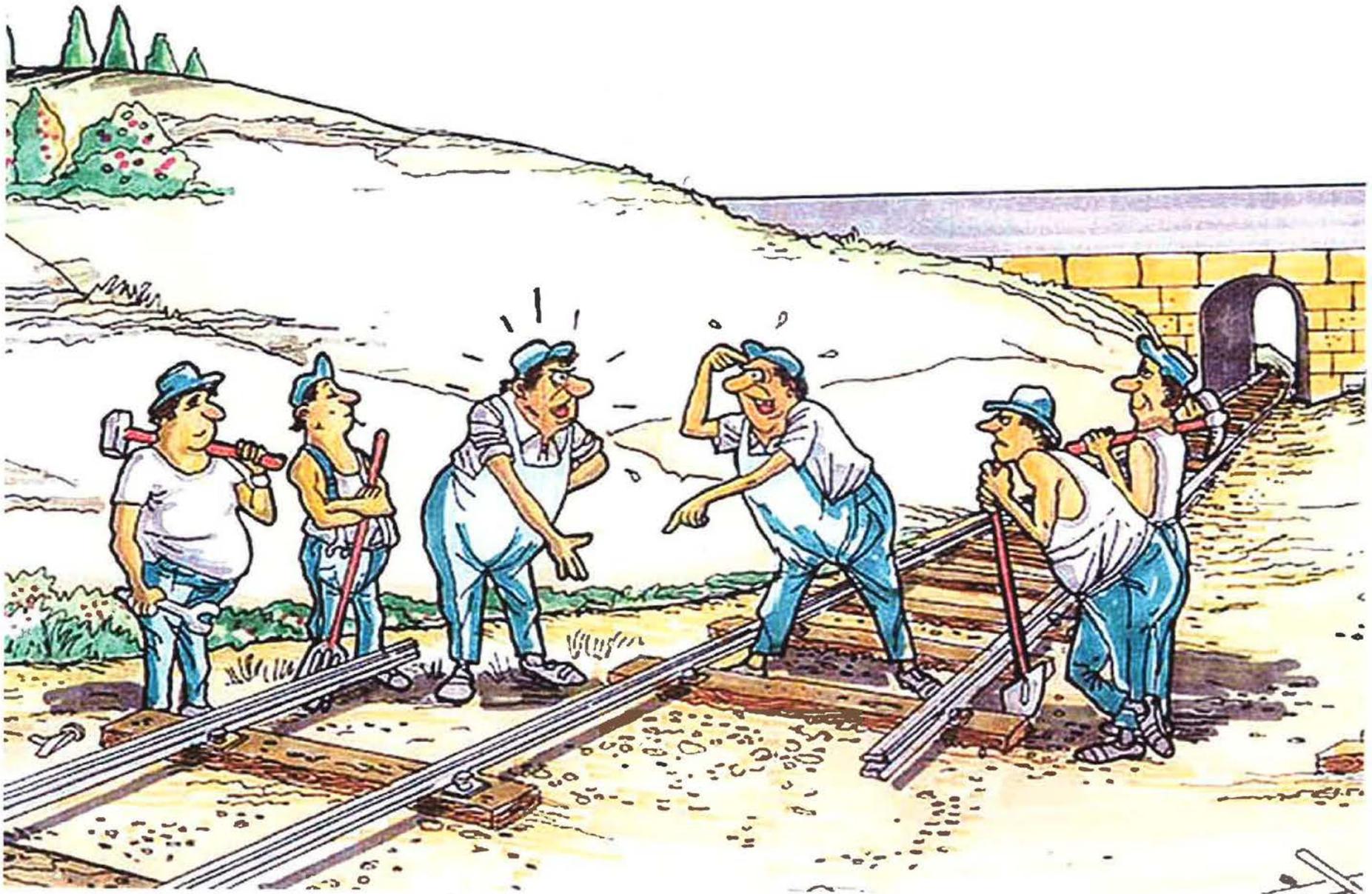
Program Management

Roles and Responsibilities

- Manage the Regional Teams
- System Level Design
- Develop Standards
- **Regulatory Approvals**
 - Federal Railroad Administration
Code of Federal Regulations
 - CA Public Utility Commission
General Orders
 - Railroad Owners and Operators
 - BNSF*
 - UPRR*
 - Caltrain (PCJPB)*
 - ACE (CCJPA)*
 - Metrolink (OCTA, LACTA)*
 - Amtrak*
 - Coaster (NCTD, SANDAG)*

Program Management

Team Work



Program Management

Target for Next Three Years

- **15% Design / Costs Environ Approval ROD / NOD**

- **30% Design / Costs Procurement Docs**

- **Procure Right of Way**

Secure Environmental Clearance for:

- LA to Anaheim
- LA to Palmdale
- Palmdale to Fresno
- Fresno to Merced
- Central Valley to San Jose
- San Jose to San Francisco

Draft Environmental Documents to be released for public review approx. one year prior to receipt of ROD / NOD.

Develop Segments

- Merced to Sacramento
- LA to San Diego

Program Management

Target for Next Three Years

- 15% Design / Costs Environ Approval ROD / NOD
 - **30% Design / Costs Procurement Docs**
 - Procure Right of Way
- Ready for Release upon Receipt of ROD/NOD
 - Private Investment provides Earliest Completion
 - Seek Private Investment & Involvement (DB, DBO, DBOM, DBOMf)
 - Transfer of Construction and Operational Risk

Program Management

Target for Next Three Years

- 15% Design Costs /Costs Environ Approval ROD / NOD
- 30% Design Costs Procurement Docs
- **Procure Right-of-Way**
 - R/W Acquisition Procedures
 - R/W Preservation
 - Purchase of Key Segments



Program Management

Plan for Revenue Service by Year 2020

- **Early Construction Opportunities**

- Grade Separations

- Caltrain

- LOSSAN

- **Trainset Testing and Commissioning**

- Heavy Maintenance Facility and Central Control Center

- **Staged Construction**

- Central Valley Test Track

- **Early Service Opportunities**



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Plan for Revenue Service by Year 2020

- Early Construction Opportunities
- **Trainset Testing and Commissioning**
 - Every Trainset requires a “Burn In” Period
 - Need to Start by 2015
 - Minimum 100 miles of Fully Completed Electrified and Signalled Operational Segment
 - Used for All Training and Testing of the High-Speed Rail system
 - Confirm System Compliance with FRA and CPUC Requirements
- Staged Construction
- Early Service Opportunities

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Plan for Revenue Service by Year 2020

- Early Construction Opportunities
- Trainset Testing and Commissioning
- **Staged Construction**
- Early Service Opportunities

Possible Staging of Construction

Subject to funding, environmental clearance, financing plan & subject to change by Board Authority Direction.

- LA to Anaheim
- LA to Palmdale
- Palmdale to Bakersfield
- Bakersfield to Fresno
- Fresno to Merced
- Central Valley to San Jose
- San Jose to San Francisco
- Merced to Sacramento
- LA to San Diego

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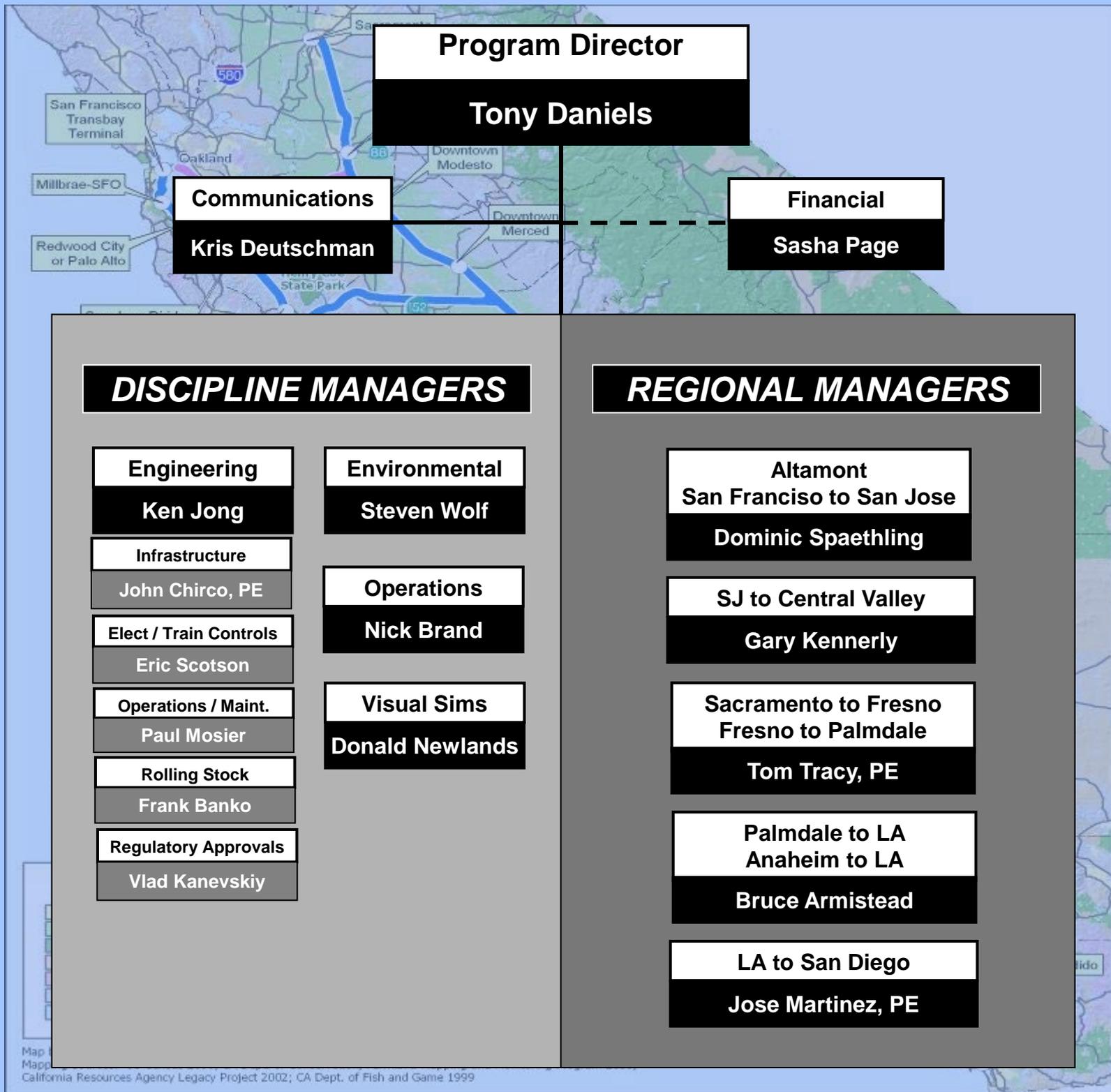
Plan for Revenue Service by Year 2020

- Early Construction Opportunities
- Trainset Testing and Commissioning
- Staged Construction
- **Early Service Opportunities**
 - LA to Anaheim
 - San Jose to San Francisco
 - LA to Palmdale
 - Central Valley Test Track Merced to Bakersfield

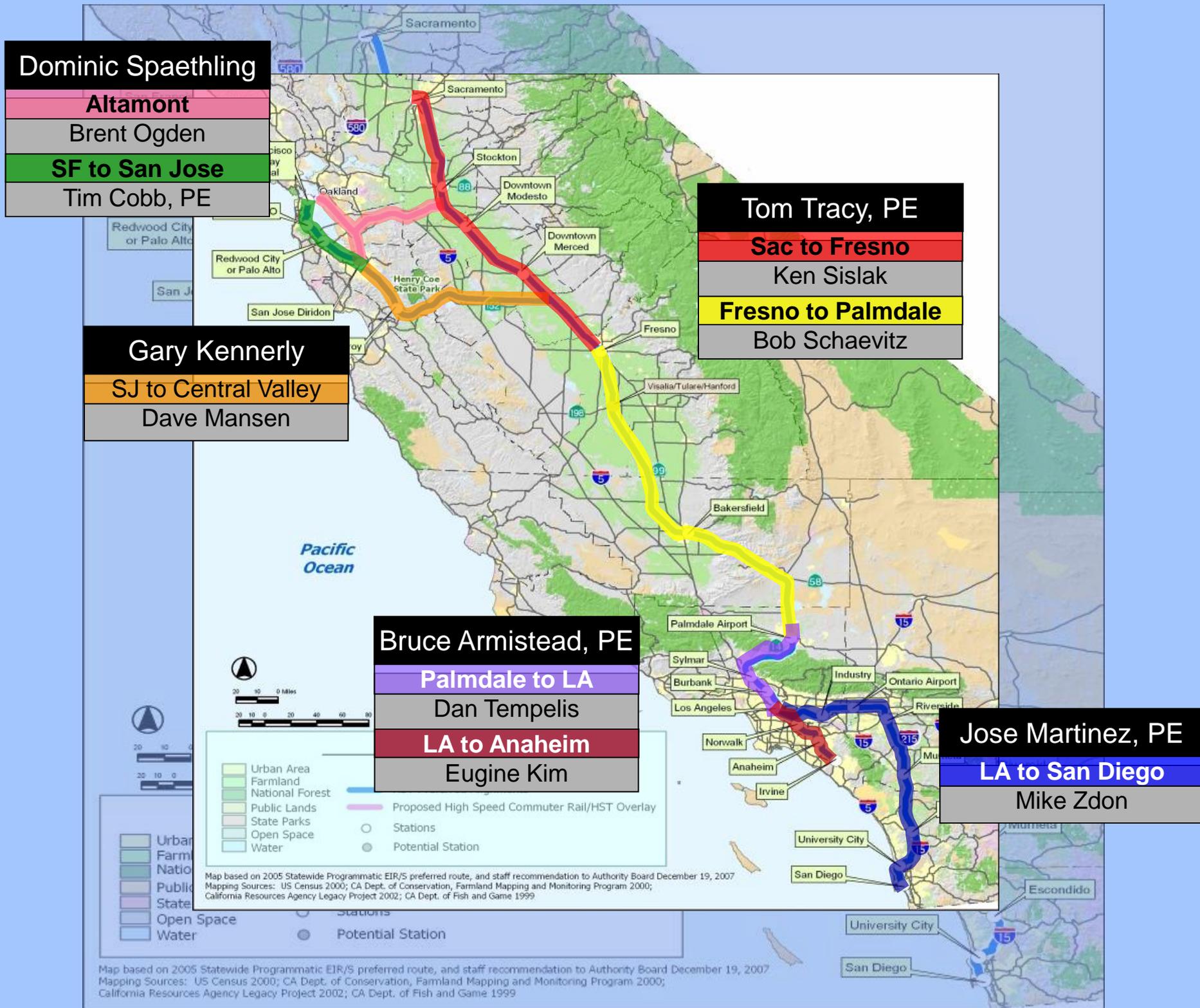
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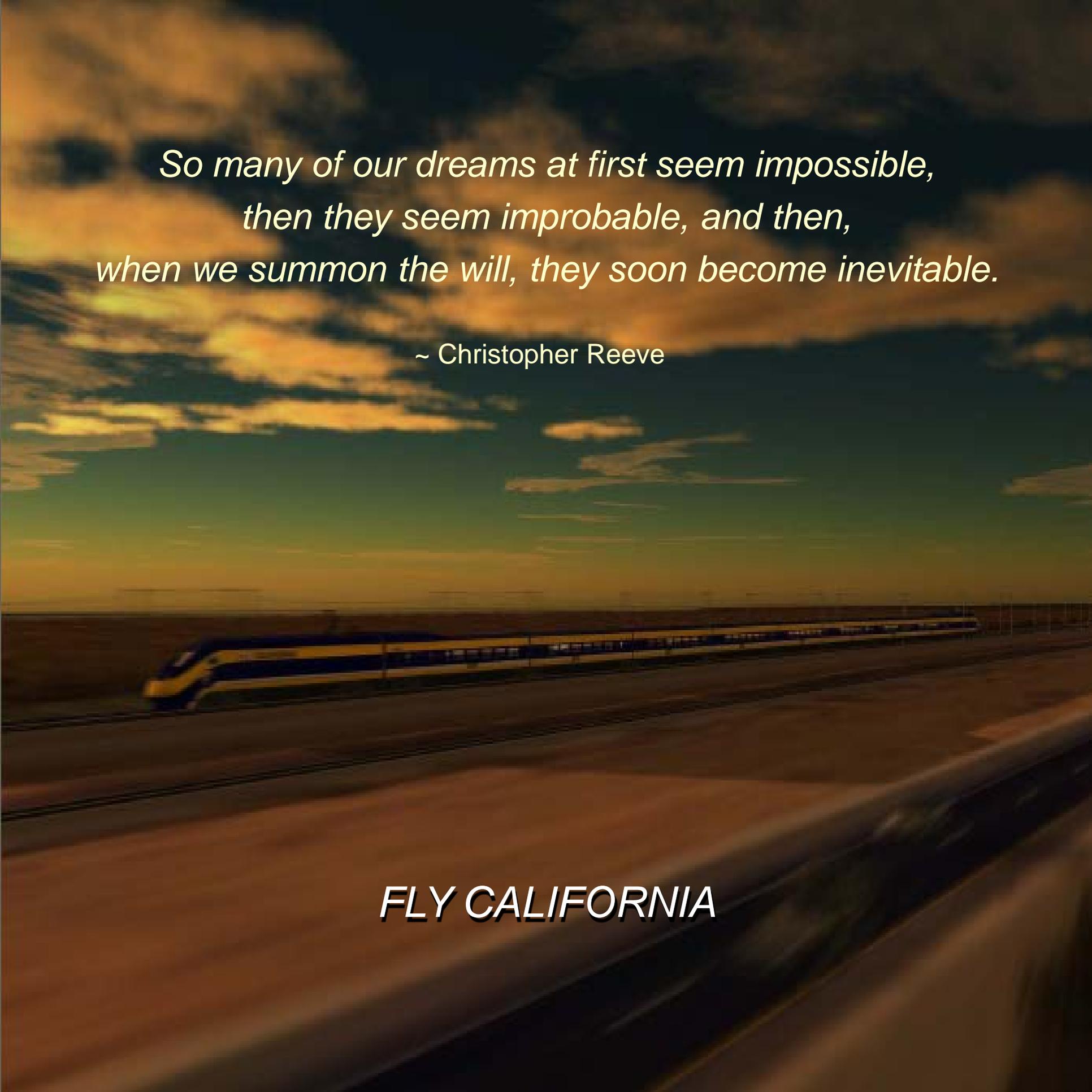


Program Management



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A high-speed train, possibly a Shinkansen, is shown in motion, blurred to suggest speed. The train is dark blue and white, moving from left to right across the frame. The background is a dramatic sky at sunset or sunrise, with warm orange and yellow light filtering through scattered clouds. The overall mood is one of forward momentum and achievement.

*So many of our dreams at first seem impossible,
then they seem improbable, and then,
when we summon the will, they soon become inevitable.*

~ Christopher Reeve

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