CALTRAIN BUSINESS PLAN

DEVELOPING A LONG-RANGE VISION FOR CALTRAIN



CORRIDOR BOOKLET

MAY 2019



CALTRAIN BUSINESS PLAN

A 2040 VISION FOR THE CORRIDOR



Daily Riders 62,000

Local Jurisdictions 21

Caltrain is one of the busiest commuter rail systems in the country and demand for our service is growing.

The Caltrain Business Plan is a joint effort with agency partners and communities along the corridor to plan for this growth. The Business Plan will help us develop a better understanding of the region's future transportation needs and will identify opportunities and strategies for how the Caltrain system can help.

WHY THINK ABOUT THE FUTURE OF THE CORRIDOR?

The Bay Area population and economy have continued to grow, leading to:



Traffic congestion and longer, unreliable commutes



Over-crowded trains



Increased cost of transportation and housing

Caltrain provides a cost effective, convenient alternative to driving and connects jobs and housing, but the system will need to grow to meet current and future demand.



Electrification of the Caltrain corridor is already underway and will allow Caltrain to run faster, more frequent service while reducing noise and emissions.



Electrification also creates the potential for expanded Caltrain service that will meet the current and future needs of our region. The Business Plan will identify the best strategies for maximizing this potential by developing a long-term service vision for the corridor, defining the infrastructure needed to support that service vision, and identifying opportunities to fund the implementation of these improvements.

WHAT IS THE CALTRAIN BUSINESS PLAN?

The Caltrain Business Plan includes four major focus areas that address key questions shaping the future of the railroad:



SERVICE

What is the best service Caltrain can provide to meet the needs of our customers and the communities we serve? How many trains should we run? How do we best match service to riders' needs? What infrastructure improvements will be needed to provide the service? How can Caltrain effectively connect to other transit services?



COMMUNITY INTERFACE

What are the benefits and impacts of increasing service on the corridor to each community? How can we work together to grow the railroad in a way that balances the needs of all communities along the corridor with the need to expand service and operate a safe and efficient railroad? How can we ensure this planning process and the outcomes are equitable?



BUSINESS CASE

Why should we choose one service vision over another? How can we maximize the value of current and future investments in the Caltrain corridor? How much will the service cost to operate? How will we fund it?



ORGANIZATION

What is the best organizational structure for overseeing and growing Caltrain service in the future?



WHAT IS THIS BOOKLET?

The Caltrain Business Plan is evaluating the benefits and costs of different service visions for the railroad in order to address the question of how Caltrain should grow. This booklet was developed to help your community understand - at both a corridor-wide and jurisdiction-specific scale - the details, opportunities and challenges of three illustrative 2040 "Growth Scenarios" that are being considered as part of the Business Plan process.

This booklet describes how the Caltrain system interfaces with and is used by your community today and presents analysis illustrating how that could change in the future based on the different ways that the railroad could grow.

WHO IS INVOLVED?

The Caltrain Business Plan is a collaborative effort led by Caltrain with funding and participation from Stanford University and other organizations. We are working closely with policymakers, stakeholders, Caltrain riders, and community members to make sure the Caltrain Business Plan considers everyone's needs.

We understand that each of the local jurisdictions we serve has a unique set of priorities, projects, and plans for growth. For this reason, we have emphasized coordination with corridor communities and update local jurisdiction staff and elected officials about the Caltrain Business Plan on a monthly basis through our City / County Staff Coordinating Group and our Local Policy Maker Group. This booklet is intended to provide further information about what the Caltrain Business Plan could mean to each of the communities we serve.

WHEN IS IT HAPPENING?







CALTRAIN RIDER STATS

Today, Caltrain operates a commuter-focused service that carries more than 60,000 riders every weekday



Daily Riders

62,000

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Riding 5+ Days Per Week

52%

Access Distance to Station



Weekday Trains

62 OFF-PEAK



Riding to Work

-85%

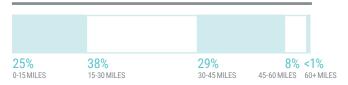
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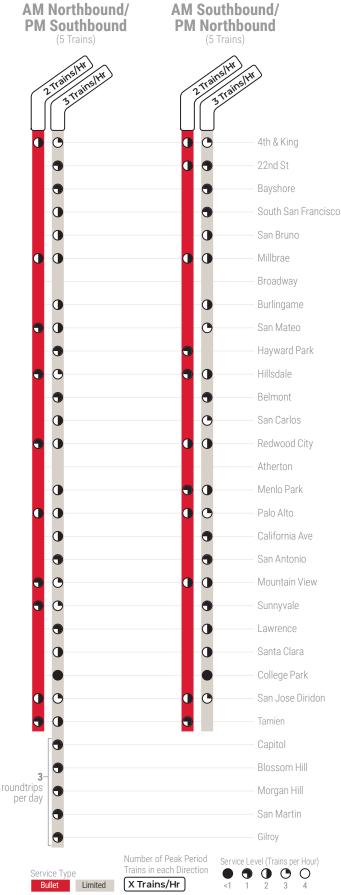




Distance on Train

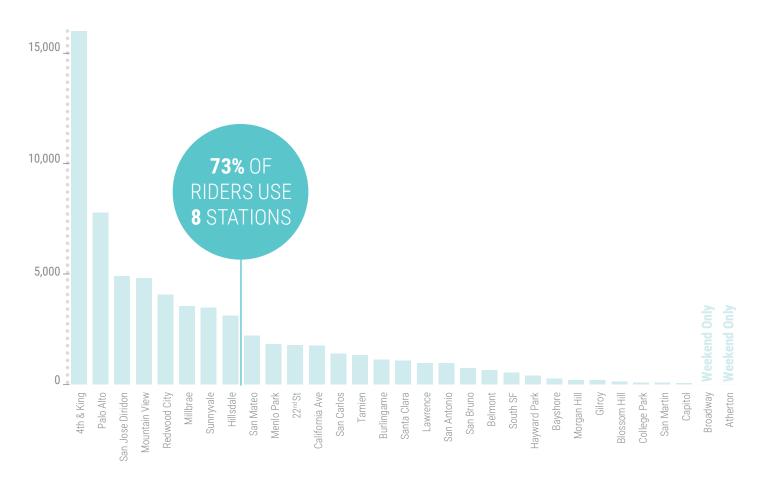


EXISTING PEAK HOUR SERVICE

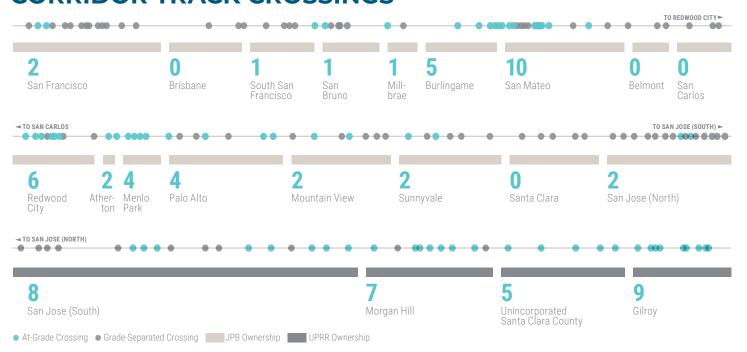


Notes: This diagram provides a simplified representation of one hour of peak period service.

STATIONS BY WEEKDAY RIDERSHIP



CORRIDOR TRACK CROSSINGS



Sources: Caltrain Ridership Data, 2017; Caltrain Timetables, 2018; Caltrain Parking Occupancy Report, 2017; Caltrain 2014 On-Board Transit Survey; CPUC Collision Database, 2016; Fehr&Peers Traffic Counts, 2016; Caltrain Electrification EIR; US Census Bureau Population Estimates Program.

Regional Transit Hub/ Major Activity Center

25,000 Activity Center

15,000

Minor Activity Center

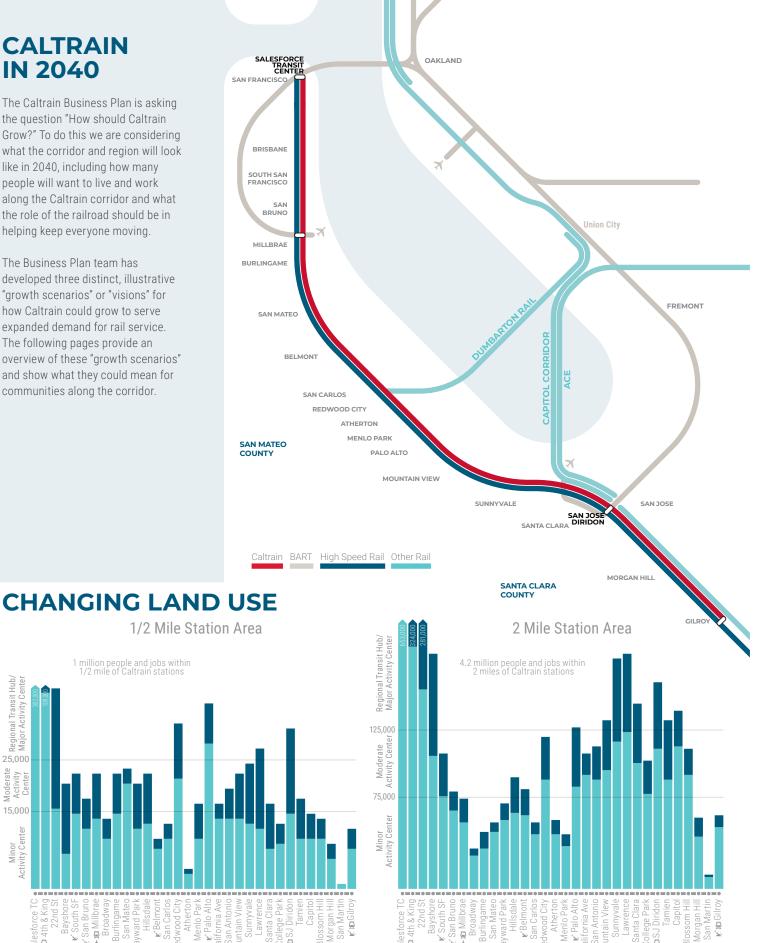
CALTRAIN IN 2040

The Caltrain Business Plan is asking the question "How should Caltrain Grow?" To do this we are considering what the corridor and region will look like in 2040, including how many people will want to live and work along the Caltrain corridor and what the role of the railroad should be in helping keep everyone moving.

The Business Plan team has developed three distinct, illustrative "growth scenarios" or "visions" for how Caltrain could grow to serve expanded demand for rail service. The following pages provide an overview of these "growth scenarios" and show what they could mean for communities along the corridor.

1 million people and jobs within 1/2 mile of Caltrain stations

Existing Population & Jobs Population & Jobs



➣ Indicates a station where substantial growth beyond Plan Bay Area forecasts is anticipated, but not yet approved

Airport Transfer Point

SERVICE VISION DEVELOPMENT

How we want to grow:

The team developed service plans that attempt to balance coverage and market demand goals, emphasize clock-face schedules, integration with the state and regional transportation network and timed-transfers.









Growing in a constrained corridor:

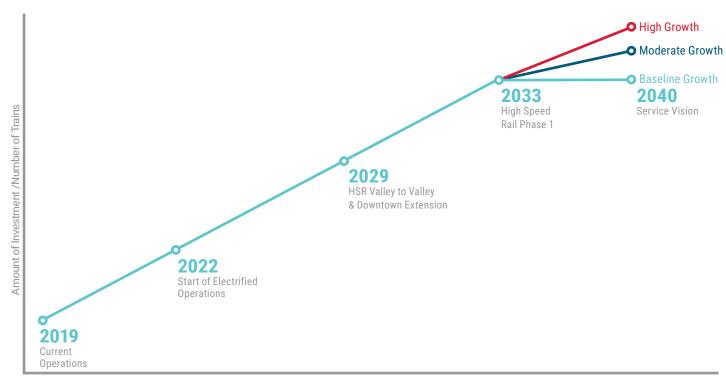
All of the service concepts developed are an exercise in compromise. The Caltrain corridor is physically constrained and the Joint Powers Board must balance competing objectives of changing markets and land uses, historic station spacing, and multiple types and speeds of train service. There are no perfect solutions and any future service plan must reconcile technical challenges related to service differentiation, infrastructure investments, and the total volume of trains running in the corridor.







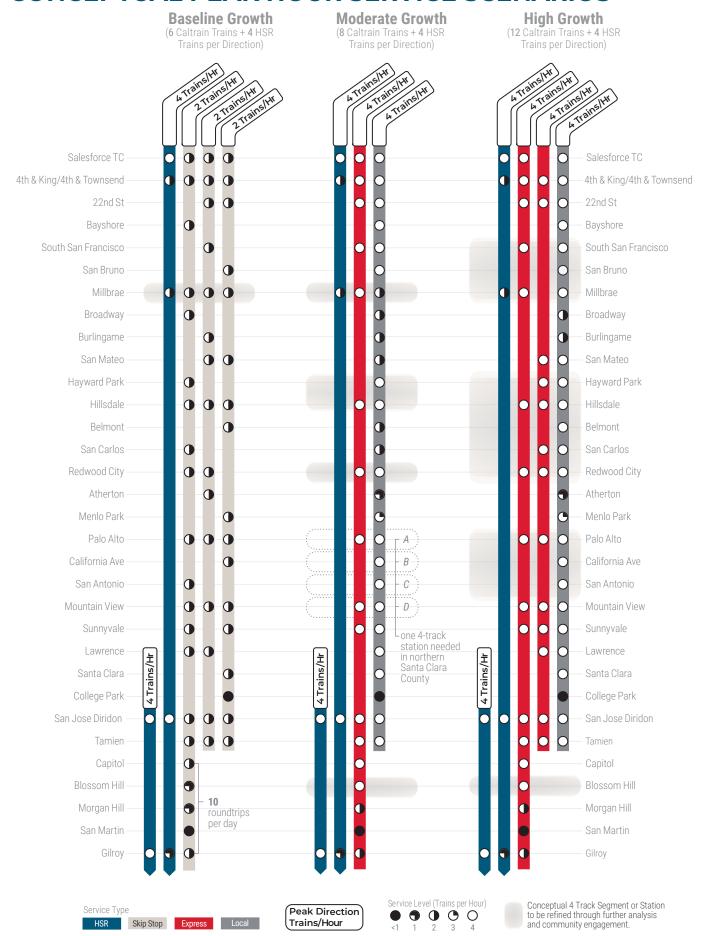
DIFFERENT WAYS TO GROW



Design Year

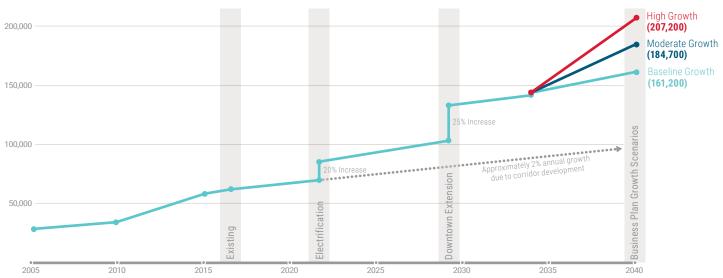
Caltrain has developed three long-range service scenarios that illustrate different choices for how the railroad could grow over time. Each of these scenarios incorporates and builds on the existing projects and policy commitments in the corridor. Although these scenarios are illustrative, they have been developed at a high level of detail to provide a realistic and nuanced picture of how rail service in the corridor could grow and what kinds of trade-offs might be required.

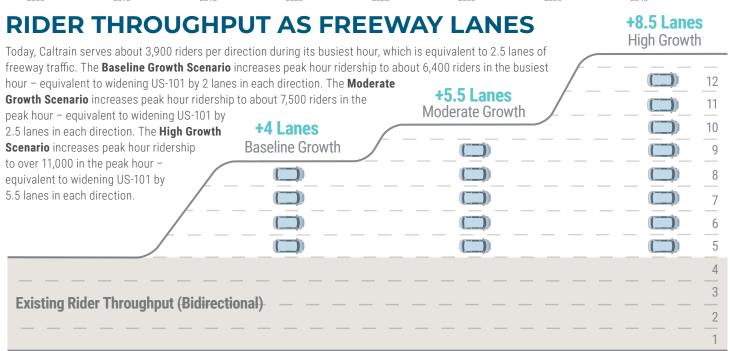
CONCEPTUAL PEAK HOUR SERVICE SCENARIOS



Notes: These service patterns and infrastructure projects represent illustrative concepts carried forward for business planning purposes. Actual service patterns and infrastructure may vary depending on corridor-wide and jurisdiction-specific feedback and will be refined and confirmed based on Board direction and subsequent planning and analysis. Ridership projections are derived from analysis of potential service patterns and land use changes included in Plan Bay Area or subsequently approved by local jurisdictions.

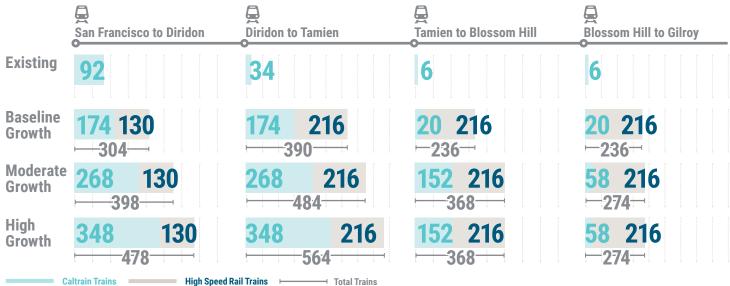
WEEKDAY RIDERSHIP DEMAND OVER TIME





^{*}Assumes vehicle occupancy of 1.1 persons/vehicle and lane capacity of 1,500 vehicles/hour.

HOW MANY TRAINS PER DAY?



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