# The Future of Transportation on the Caltrain Corridor

11.30.16



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#### PENINSULA CALTRAIN CORRIDOR VISION PLAN







### Today

What is happening Vision Recommendations What is costs How to pay for it

### The Caltrain Corridor is home to the world's innovation economy – but its transportation system is falling short.

#### The Caltrain Corridor



# Caltrain is increasingly crowded during peak hours



## Caltrain's limited off-peak service makes transit less usable.



# User of highway 101 face growing delays due to traffic and inefficiencies.



# Single-occupancy vehicles take up most of the space on highway 101

Passangen

### Access to opportunity needs to grow.



As the region grows, we'll need to move more people.



#### Densification



#### Densification



### **Our Vision for the Caltrain Corridor**

Convenience Connectivity Capacity Community Climate Protection

# Vision: Highway, rail and ferry system that work together.



### **New Capacity**

	People moved during peak hour today (each direction)	People moved during peak hour under the vision plan (each direction)
Caltrain	3,250	10,000*
Highway 101	1,780	5,680
Ferry	0	1,400

Does not include capacity provided by HSR.

### **Opportunities**



#### Electrification and high-speed rail can dramatically imrpove rail capacity, comfort and reliability.



#### Electrification can transform the economics of the railroad.



With highspeed rail and statewide rail modernization, this corridor will become part of an improved statewide rail network.



#### The digital age of transportation portends safer, more efficient, more convenient passenger transportation.

### Challenges



# The corridor's transportation system was built for a different era.



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# Caltrain is financially unstable, making it difficult to plan for the



### Neighborhood impacts make it harder to grow rail service.



### Many origins and destinations are far from rail.



**Transportation** planning is done locally, for one mode at a time, instead of through an integrated, corridor-wide approach.



### Recommendations



### A corridor shaped by an outstanding rail system.



#### 1. Rail

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#### 1. Rail

	Existing	Exception and	Extend 2.8	Red Redenisation 3.0	Rall Modurelization 6.0	Rall Modernization L.O.
Economic Construction		202	2021	2026	-0000	2028
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### Additional Rail Recommendations.

- Improve Caltrain in short-term before electrification.
- Connect Caltrain to downtown SF (the DTX)
- Develop a business plan for Caltrain.

# Use a corridor-wide strategy to address the impact of at-grade crossings.



### New Rail Services: Concepts for the Future

Local Rail Connections (spurs and branches)

Major Connecting Corridors Second Transbay Rail Crossing Dumbarton Rail Corridor BART Silicon Valley

New Alignments within the Caltrain Corridor

#### 2. Rail Stations and First/Last Mile-Connections



#### Stations and First/Last-mile Recommendations

Create a station modernization program

- Upgrade Stations to attract and accommodate new riders.
- Improve station access for sustainable and spaceefficient modes of travel.

Create a first/last-mile program.

• Proactively mange station access and first- and lastmile connections at each rail station.

### 3. Highway 101



### **Highway 101 Recommendations**

- Manage a lane (or more) of highways 101 as an "optimized" high-occupancy toll (HOT) lane, along the entire corridor.
- Adopt equity policies and programs for HOT lanes.
- Use revenue from pricing Highway 101 to add more public transit service.
- Grow regional express bus services.





### **Ferry Recommendations**

- Create a ferry terminal at the Port of Redwood City.
- Expand ferry services to include Peninsula stops.

#### **5. A Seamless Transit Experience**



### Seamless Transit Recommendations

- Integrate information and payment across mobility services.
- Operate BART, Caltrain and high-speed rail as one system from the rider's perspective.
- Use fare subsidies and fare policies to improve transit affordability and make transit work for more people.
- Conduct short-range and long-range transportation planning as a corridor.

### Governance: Everyone has a part to play.

Caltrans Samtrans Caltrain VTA SMCTA SFCTA SFMTA Cities MTC CAHSR BART CalSTA



### What the Vision Costs: \$16 - \$21 billion (20 years)

	Fleet	Capital	Operations and Maintenace
Rail	\$140 million	\$8.2 - \$12.3 billion	\$4.95 billion
Stations and First/Last-Mile Connections	n/a	\$1.6 - 1.7 billion	\$660 million
Highway 101	\$40 million	\$20 -\$150 million	\$210 - \$735 million
Ferry	\$80 million	\$40 million	\$260 million
Coordinated Transit	n/a	\$15 million	\$140-150 million
Total	\$260 million	\$9.8 - \$14.1 billion	\$6.2 - \$6.8 billion

### How Do We Fund the Vision?

Strategy	Anticipated Revenue
1. Anticipated Regional/State/Federal revenue	\$3.0 Billion
2. Transit fares and highway toll	\$5.0 Billion
3. Countywide sales taxes	\$2.0 Billion
4. Corridor parcel tax	\$2.4 Billion
5. Local property-based and business- based funding	\$3.0 Billion
6. New regional and state funding	\$3.0 Billion
7. Public-Private Partnership	
Total	\$18.5 Billion

# Next Steps: What we need to do now.

Policy Agreement:

- 1. Caltrain/high-speed rail operating plan.
- 2. Highway 101 lane management across three counties.
- 3. Alignment for the Downtown Extension.

Funding:

4. Advocate for Vision Plan projects in the Regional Transportation Plan.

5. Organize 2018 funding measures to fund rail infrastructure, fleet and operations, highway 101 management.

Rail Service:

6. Improve today's rail schedule, add trains.

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