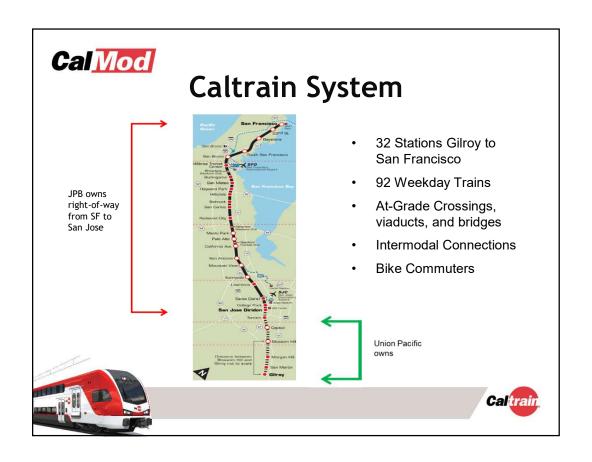


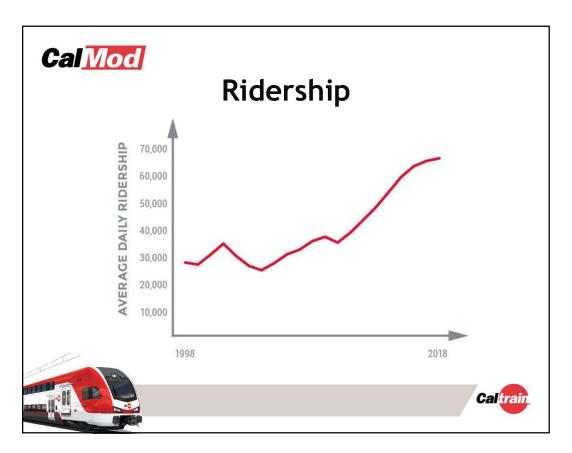
# Agenda

- Project Overview Recap
- Project Update
  - Progression & Changes
  - Construction Activities
- Electrification Infrastructure
  - San Mateo Activities
- Questions

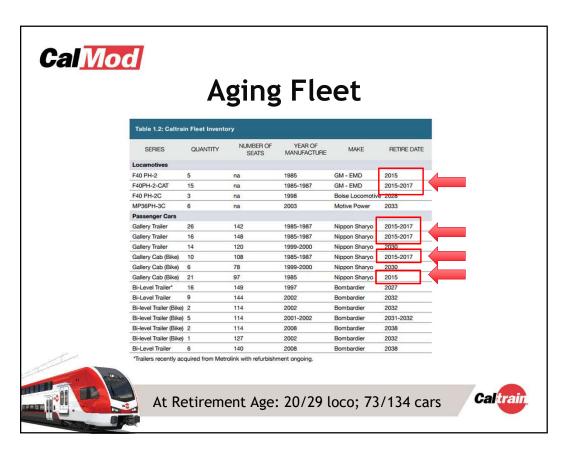


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# **Regional Transportation Needs**

- US 101 and Interstate 280 Congested
- Corridor supports growing economy
- 75% Caltrain riders commute to work
- 60% are choice riders





















## **Cal** Mod

Up to 79 mph Service Increase  • 6 trains / hour / direction  • More station stops / reduced travel time  • Restore Atherton & Broadway service  Mixed-fleet service (interim period) Continue tenant service  • ACE, Capitol Corridor, Amtrak,



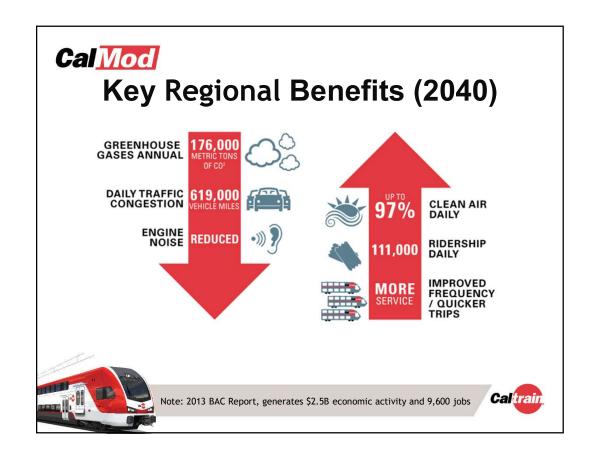
## **Service Benefits**

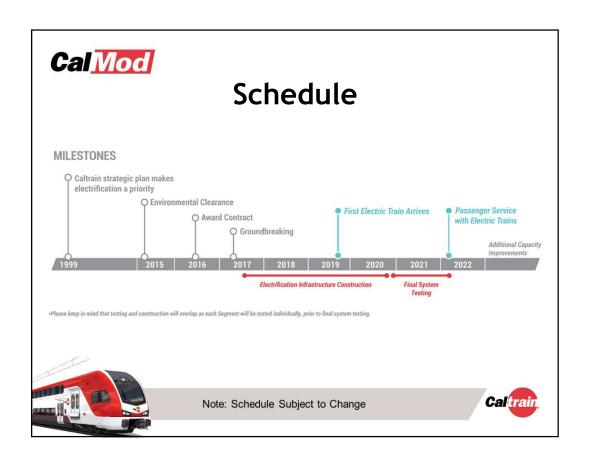
Metric	Today	PCEP			
Example Baby Bullet Train					
Retain 5-6 stops	60 minutes	45 minutes			
Retain SF to SJ 60 minutes	6 stops	13 stops			
Example Redwood City Station					
Train stops / peak hour	3	5			



Note: Prototypical Train and Schedule







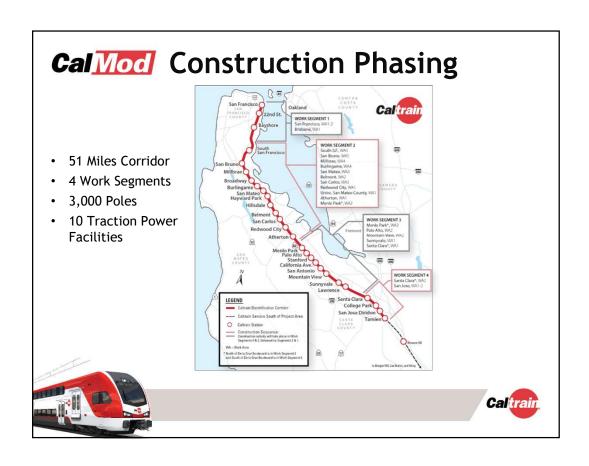


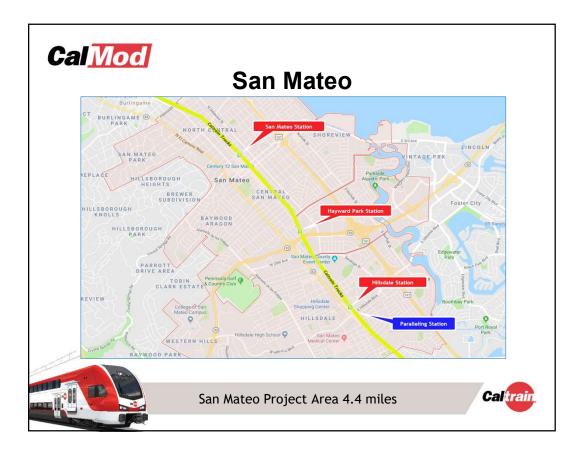
- 2016 Capacity Board Decision (bike to seat ratio, onboard bathrooms, upper doors 'not precluded')
- 2017 Design Progressing w/ Additional Public Input
  - Completed: Exterior design, Seat colors, Bike Storage, ADA restroom
- 2018 Virtual Reality 360 Tour













# Cal Mod Field Work Progression

Work Completed	<ul> <li>Utility Survey</li> <li>Geotechnical Investigations</li> <li>Disposal of Soil from Geotechnical Investigations</li> <li>Soil Resistivity Testing</li> <li>Site Surveys</li> <li>Signal Cable Inspections</li> </ul>
Work In Progress	<ul><li>Tree Pruning/Removal</li><li>Potholing</li><li>Foundation Installation</li></ul>
Future Work	<ul><li>Pole Installation</li><li>Wire Installation</li><li>Paralleling Station</li></ul>







# **Future Construction Activities**

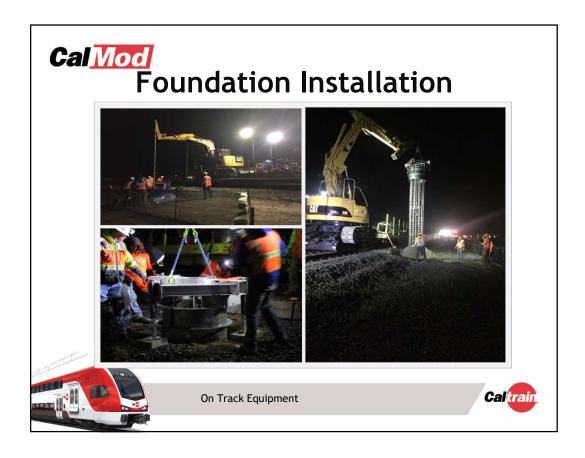
#### San Mateo

Date	Work Activity	Expected Duration*
Fall 2018	Potholing	2-3 months
Fall/Winter 2018	Foundation Construction	2-3 months
Winter 2018	Pole/Wire Installation	4-5 months
Early 2019	Paralleling Station Construction	4-6 months



\*Expected duration indicates first and last day of activity. Number of actual work days will be fewer.



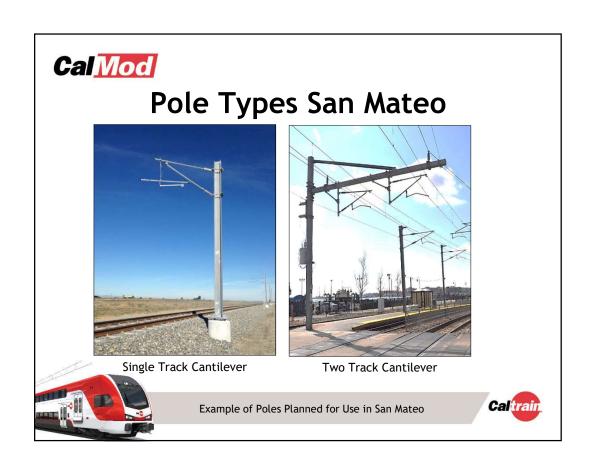


## **Pole Information**

- 3,000 Installed throughout Corridor
  - Approx. 190 poles in San Mateo
- Pole Height: 30-50'
- Pole Spacing: ~180' apart











# **Stringing Wire**







On-track Equipment

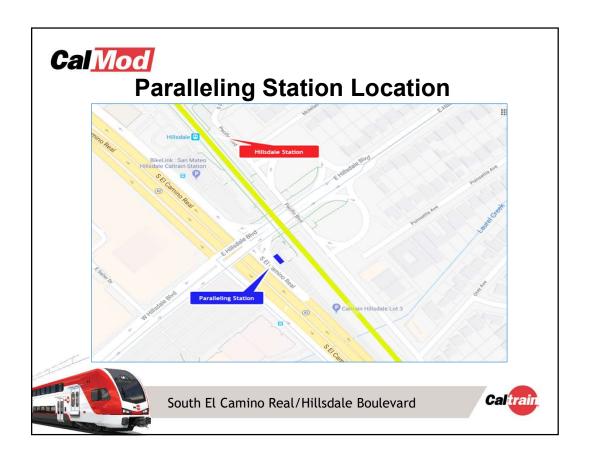


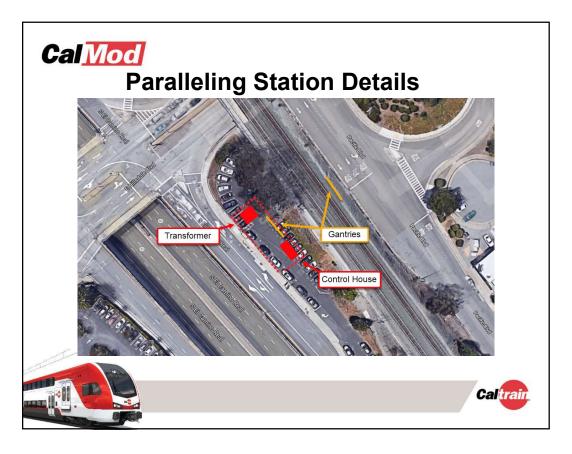


#### **Traction Power Facilities**

- 10 Traction Power Facilities Installed throughout Corridor
  - 1 Paralleling Station installed in San Mateo
  - Gantry structures up to 50'
- Provides electrical power to trains through the Overhead Contact System
- Unmanned station
- Day and weekend construction work
- Limited night work during construction







# **Example Parallelling Stations**







Examples from Amtrak Northeast Corridor



# Cal Mod

# **Construction Impacts**

- · Work will occur during day and night
- Some 24 hour weekend work
- Crews will utilize acoustical barrier blankets and position lights away from homes
- · Dedicated hotline for construction complaints



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#### San Francisco Tunnel Work

- Within the four San Francisco Tunnels:
  - Overhead Contact System Installation
  - Grouting and Notching
  - Drainage and Track Work





## **Cal** Mod

#### SF Weekend Caltrain Closures

- Weekends Oct 6, 2018 to Spring 2019
  - Caltrain service north of the Bayshore Station will be suspended on the weekends
  - Bus service will be provided from Bayshore to 4<sup>th</sup> and King and 22<sup>nd</sup> Street stations
- Weekday service will remain unchanged
- Caltrain service south of Bayshore will remain unchanged
- Schedule at caltrain.com/SFWeekendClosure





#### **Public Outreach**

- Subscribe to Weekly Updates
  - Visit <u>www.calmod.org/get-involved</u>
- Social Media
- Construction Outreach Office



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