

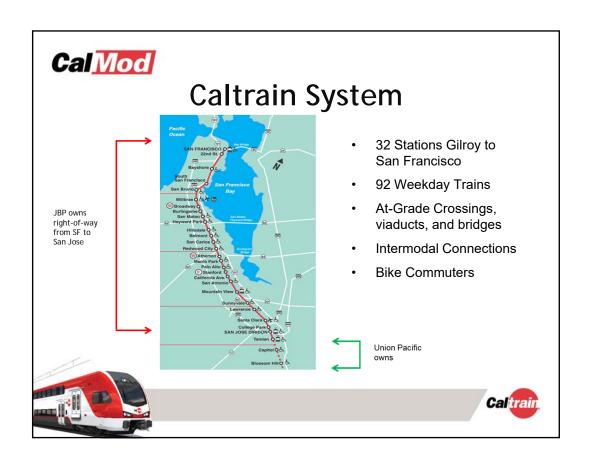


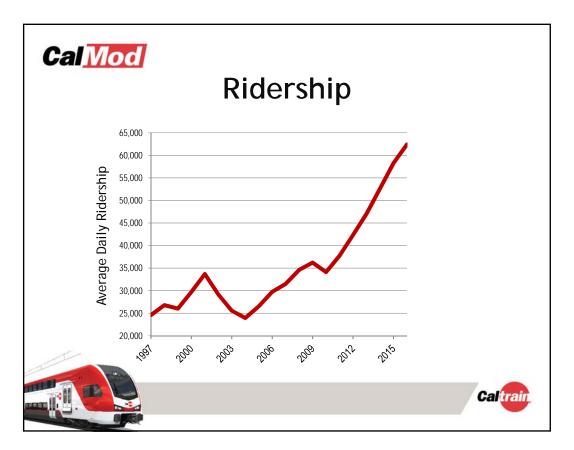
Agenda

- Caltrain System Overview
- Project Overview
- Electric Train Design
- Electrification Infrastructure
 - Atherton Activities
- Questions

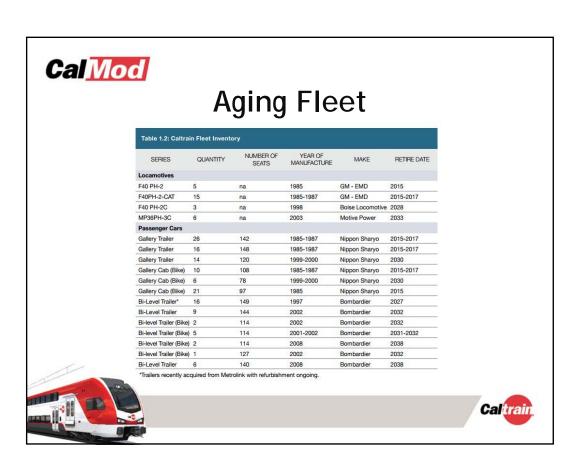


Caltrain











Regional Transportation Needs

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























Project Description

Area	Project	Service
51 miles	Electrification:	Up to 79 mph
San Francisco to San Jose (Tamien Station)	Overhead Contact System (OCS) Traction Power Facilities Electric Trains (EMUs) 75 percent of fleet	 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, Capital Corridor, Amtrak, Freight

Note: Protoypical Schedule, 54 Stops Per Day in Atherton





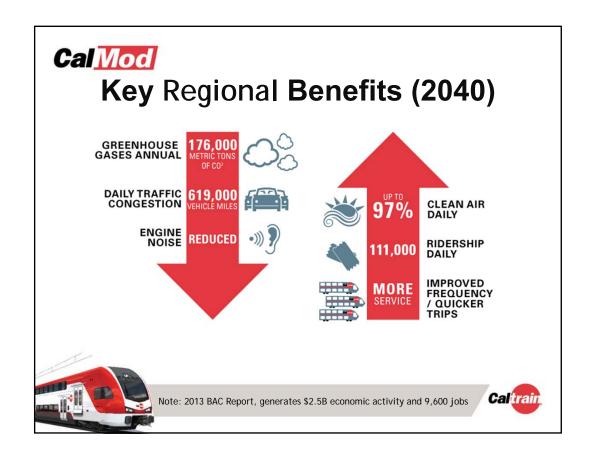
Service Benefits

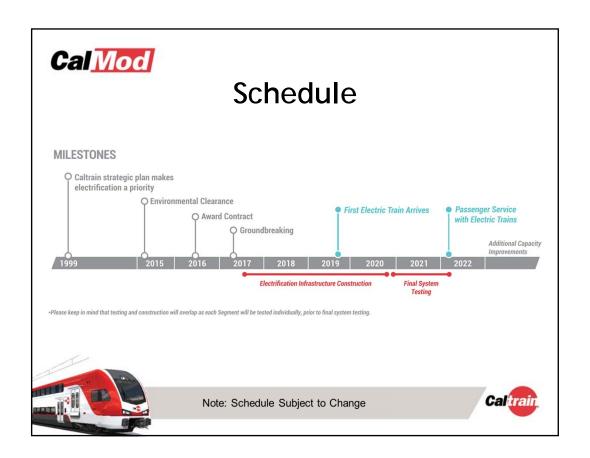
Metric	Today	PCEP					
Example Baby Bullet Train							
Retain 5-6 stops	60 minutes	45 minutes					
Retain SF to SJ 60 minutes	6 stops	13 stops					
Example Redwood City Station							
Train stops / peak hour	3	5					



Note: Prototypical Train and Schedule









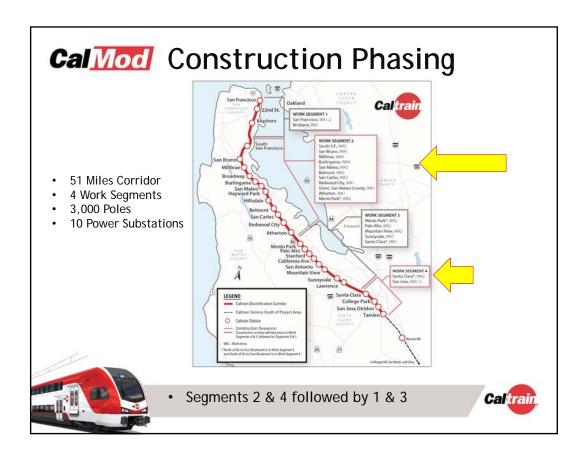
Electric Train

- 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









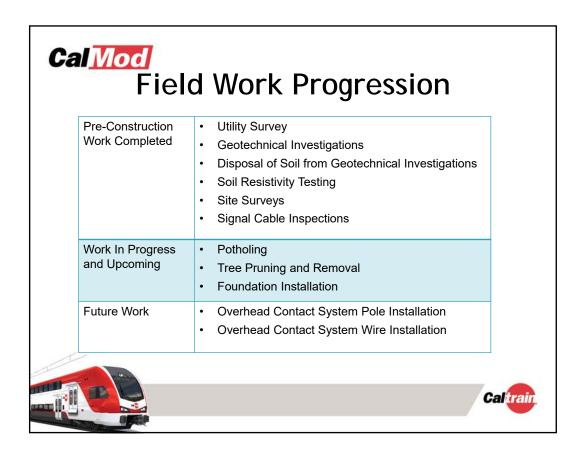


EIR Information (2015)

- Chapter 3.3, Impact BIO-5a, page 3.3-44: Pursuant to Mitigation Measure BIO-5, JPB will avoid and/or minimize impacts on trees along the ROW by locating Overhead Contact System (OCS) poles and alignment to minimize tree removal and pruning where consistent with safety, operations, and maintenance requirements.
- Chapter 2, Section 2.3.1, page 2-6: Pole heights range from 30 to 50 feet.



Cal train







Future Construction Activities

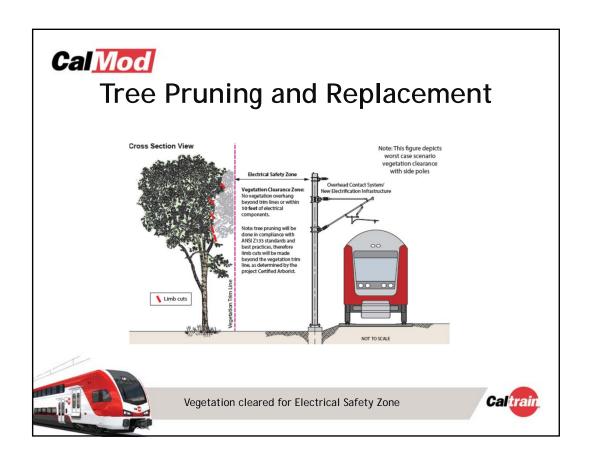
Town of Atherton

Date	Work Activity	Expected Duration*	
February 2018	Tree Pruning/Removal	1-2 months	
Spring 2018	Potholing	1-2 months	
Summer 2018	Foundation Installation	1-2 months	
Late 2018	Pole / Wire Installation	1-2 months	



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







Town of Atherton: Tree Pruning and Replacement Plan

Town of Atherton					
	Caltrain Right of Way	Public Property	Private Property		
Trees Removed	16	2	0		
Trees Pruned >25%	10	8	45		
Trees Pruned <25%	24	20	105		

83 Trees will be replaced per the Atherton Tree Replacement Plan



Note: Information may change as the design progresses





Potholing









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Foundation Installation







On and Off Track Equipment





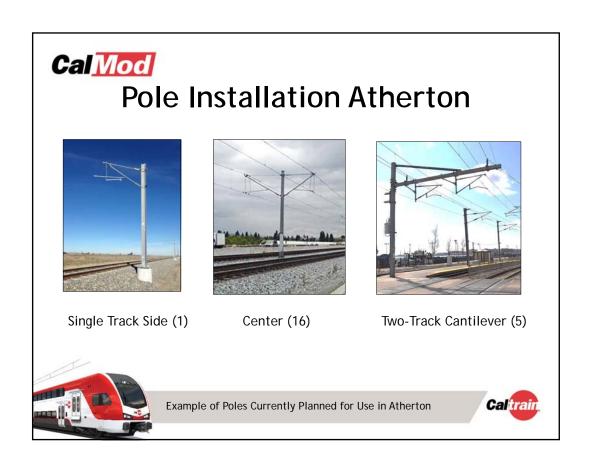
Pole Information

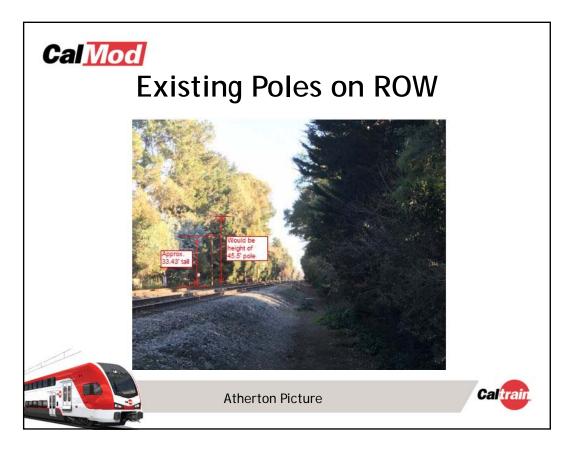
- 3,000 Installed throughout Corridor
 - 22 poles installed in Atherton
- Pole Types: Single Side (2), Center, Two-Track
 Cantilever, Headspan, Portals
- Pole Height: Varies from 30' to 50'
- Pole Spacing: ~180' apart
- Pole Color: Options at Stations



Note: All Mentioned Pole Types are Safe and Commonly Used









Stringing Wire







On-track Equipment



Cal Mod

Construction Impacts

- Daytime work and night work from 8 p.m.- 6 a.m.
- 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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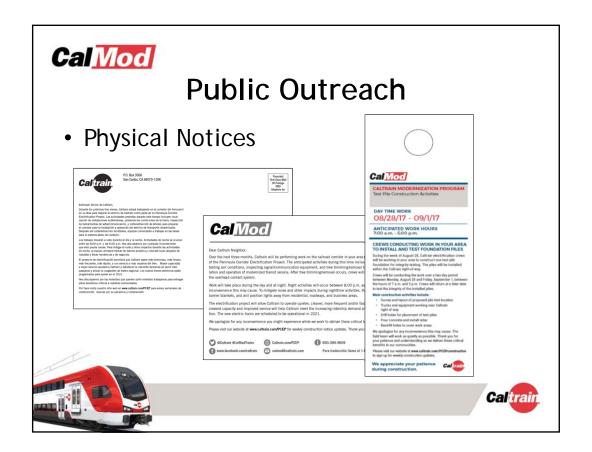


Public Outreach

- Subscribe to Weekly Updates
 - Visit caltrain.com/pcepconstruction
- Additional Community Meetings
 - Pole and Wire Installation
- Social Media
- Construction Outreach Office



Caltrain





Construction Contact Information

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Phone: 650.399.9659
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2121 S. El Camino Real, Suite A-100 San Mateo, CA 94403 9 a.m. - 5 p.m. Monday - Friday

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