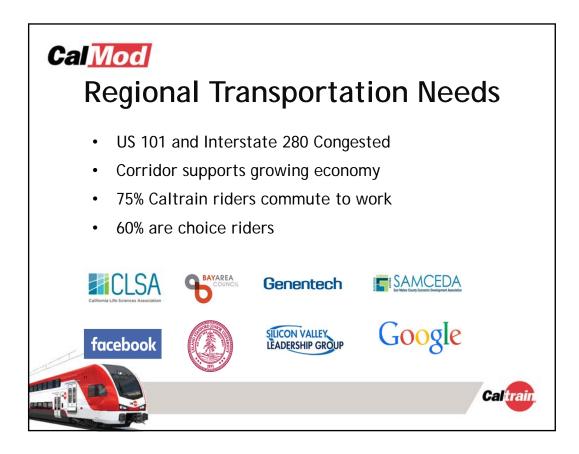


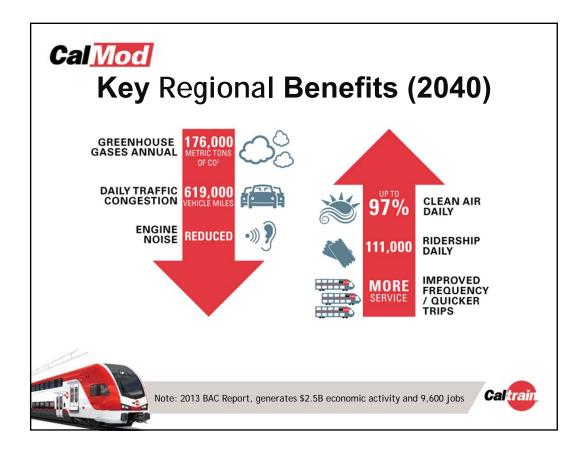


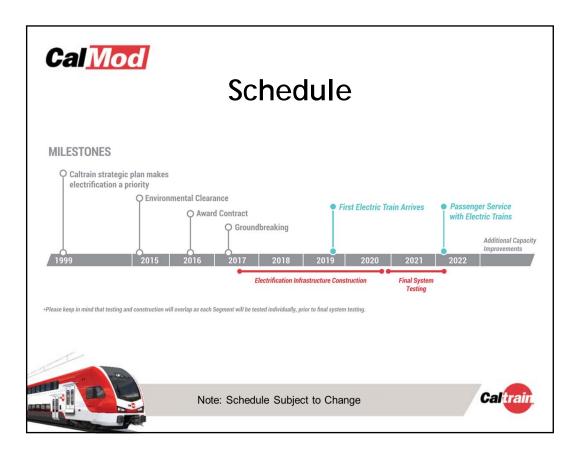
	A	gino	j Fle	et	
_		5 5	·		
Table 1.2: Caltrai	in Fleet Invent	ory			
SERIES	QUANTITY	NUMBER OF SEATS	YEAR OF MANUFACTURE	MAKE	RETIRE DATE
Locamotives					
F40 PH-2	5	na	1985	GM - EMD	2015
F40PH-2-CAT	15	na	1985-1987	GM - EMD	2015-2017
F40 PH-2C	3	na	1998	Boise Locomotive	2028
MP36PH-3C	6	na	2003	Motive Power	2033
Passenger Cars					
Gallery Trailer	26	142	1985-1987	Nippon Sharyo	2015-2017
Gallery Trailer	16	148	1985-1987	Nippon Sharyo	2015-2017
Gallery Trailer	14	120	1999-2000	Nippon Sharyo	2030
Gallery Cab (Bike)	10	108	1985-1987	Nippon Sharyo	2015-2017
Gallery Cab (Bike)	6	78	1999-2000	Nippon Sharyo	2030
Gallery Cab (Bike)	21	97	1985	Nippon Sharyo	2015
Bi-Level Trailer*	16	149	1997	Bombardier	2027
Bi-Level Trailer	9	144	2002	Bombardier	2032
Bi-level Trailer (Bike)	2	114	2002	Bombardier	2032
Bi-level Trailer (Bike)	5	114	2001-2002	Bombardier	2031-2032
Bi-level Trailer (Bike)	2	114	2008	Bombardier	2038
Bi-level Trailer (Bike)	1	127	2002	Bombardier	2032
Bi-Level Trailer	6	140	2008	Bombardier	2038

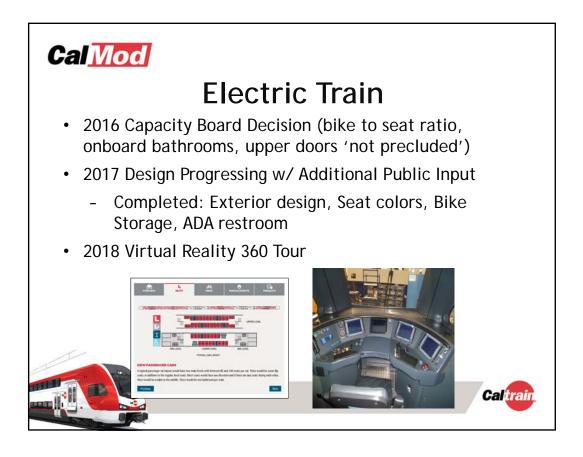


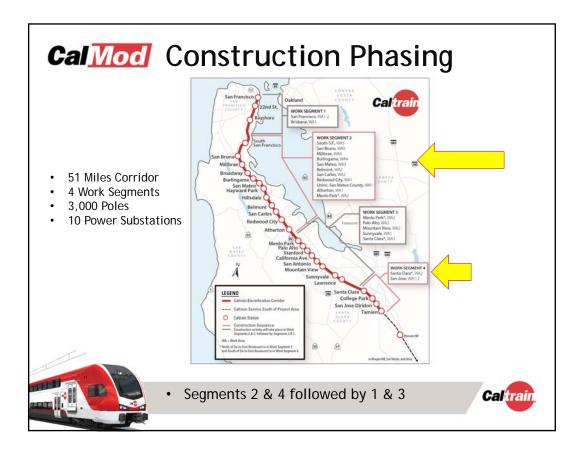
Area 51 miles San Francisco to San Jose (Tamien Station)	Project Electrification: • Overhead Contact System (OCS) • Traction Power Facilities Electric Trains (EMUs) • 75 percent of fleet	Service         Up to 79 mph         Service Increase         • 6 trains / hour / direction         • More station stops / reduced travel time         • Restore Atherton & Broadway service         Mixed-fleet service (interim period)         Continue tenant service         • ACE, Capital Corridor, Amtrak, Freight
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Cal <mark>M</mark>		ice Bene	efits		
	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: Pr	ototypical Train and S	chedule	Caltrai	







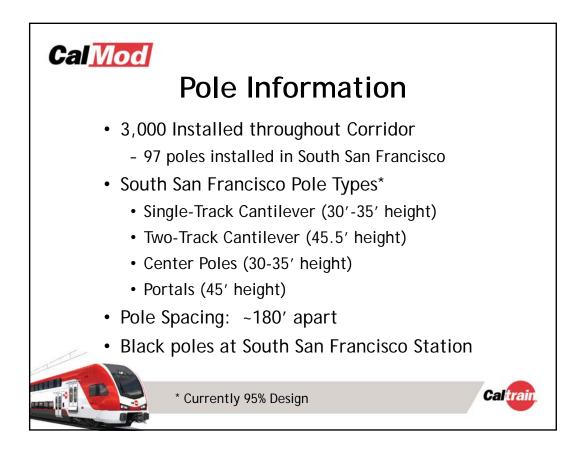


C	<b>al<u>Mod</u> Fi∈</b>	eld Work Progression			
	Work Completed	<ul> <li>Utility Survey</li> <li>Geotechnical Investigations</li> <li>Disposal of Soil from Geotechnical Investigations</li> <li>Soil Resistivity Testing</li> <li>Site Surveys</li> <li>Signal Cable Inspections</li> <li>Potholing</li> </ul>			
	Work In Progress	Foundation Installation			
	Future Work	<ul> <li>Overhead Contact System Pole Installation</li> <li>Overhead Contact System Wire Installation</li> <li>Traction Power Substation (TPS)</li> <li>TPS Interconnection</li> </ul>	<b>Cal<mark>train</mark></b>		



Cal Mod Future Construction Activities South San Francisco							
	Date	Work Activity	Expected Duration*				
	In Process	Foundation Installation	1-2 months				
	March 2018	Pole/Wire Installation	3-4 months				
	April 2018	Traction Power Station (TPS)	12 months				
	August 2018	TPS Interconnection	5-6 months				
	*Expected duration indicates first and last day of activity. Number of actual work days will be fewer.						

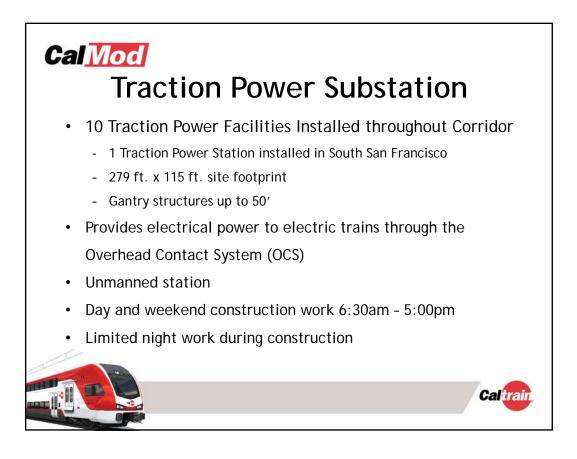


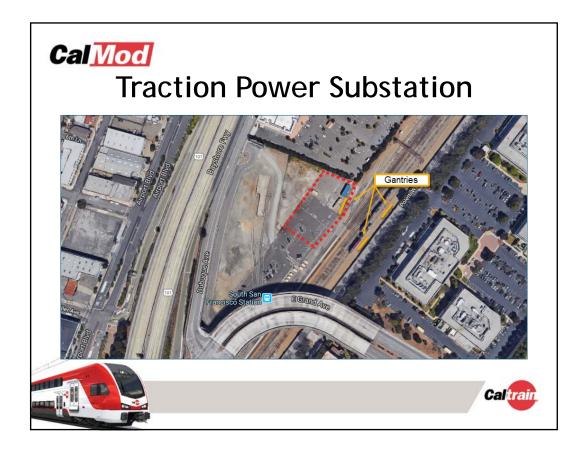


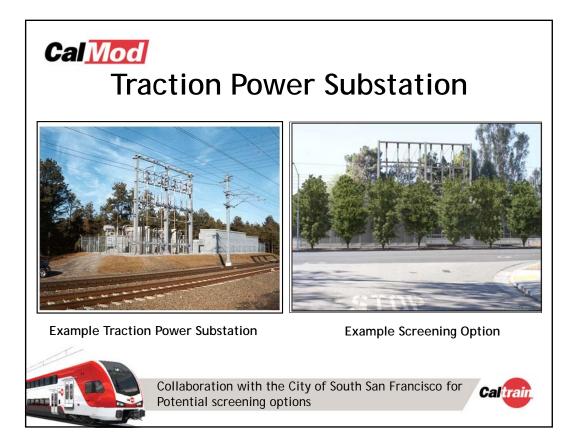












## **Cal<u>Mod</u>**

## Traction Power Substation Interconnection

- Combination of underground duct bank and aerial transmission line.
  - Underground circuit will route from PG&E East Grand Substation to the North-East corner of East Grand/Gateway
  - Overhead transmission line
    - 3 aerial transmission line structures over railroad tracks and into TPS

**Caltrain** 

- Construction expected to be completed in 2019
- Tree pruning and removal may be required



