



Silicon Valley BART Extension: Phase 1 Update



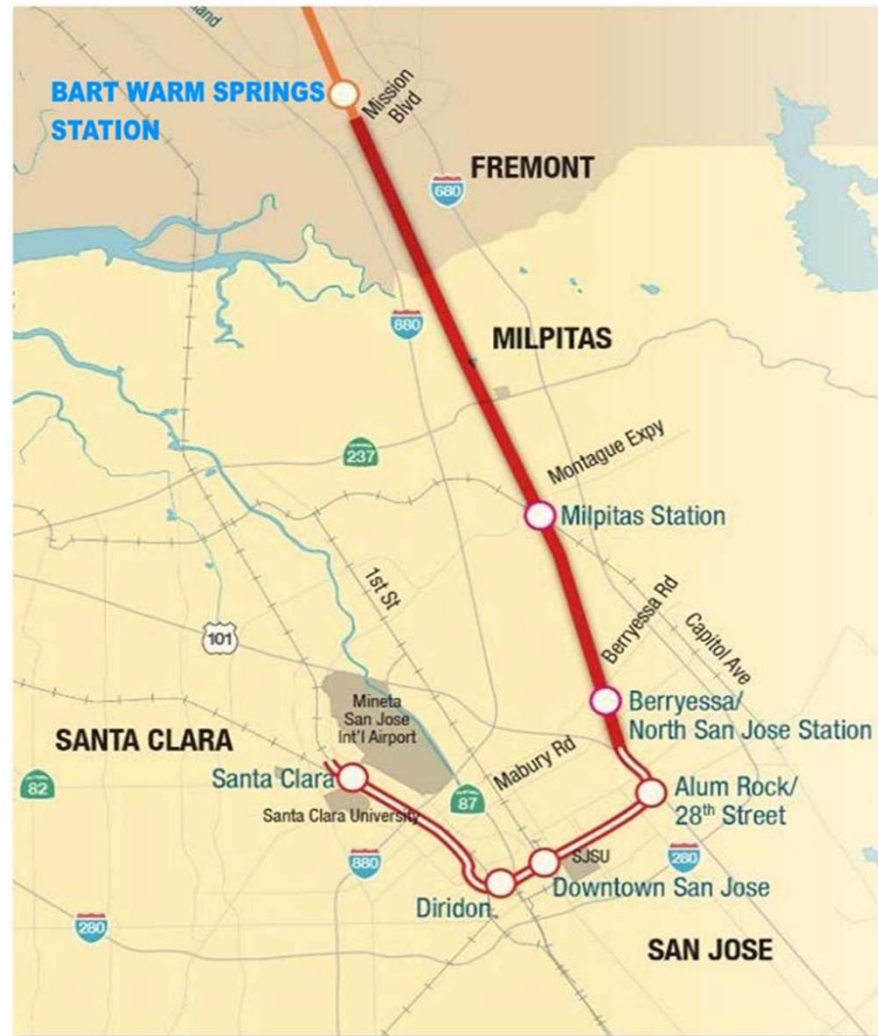
Board of Directors Presentation
November 21, 2019



BART Silicon Valley Extension

AGENDA

- PHASE I





BART Silicon Valley Extension

PHASE I BERRYESSA EXTENSION ("SVBX") UPDATE



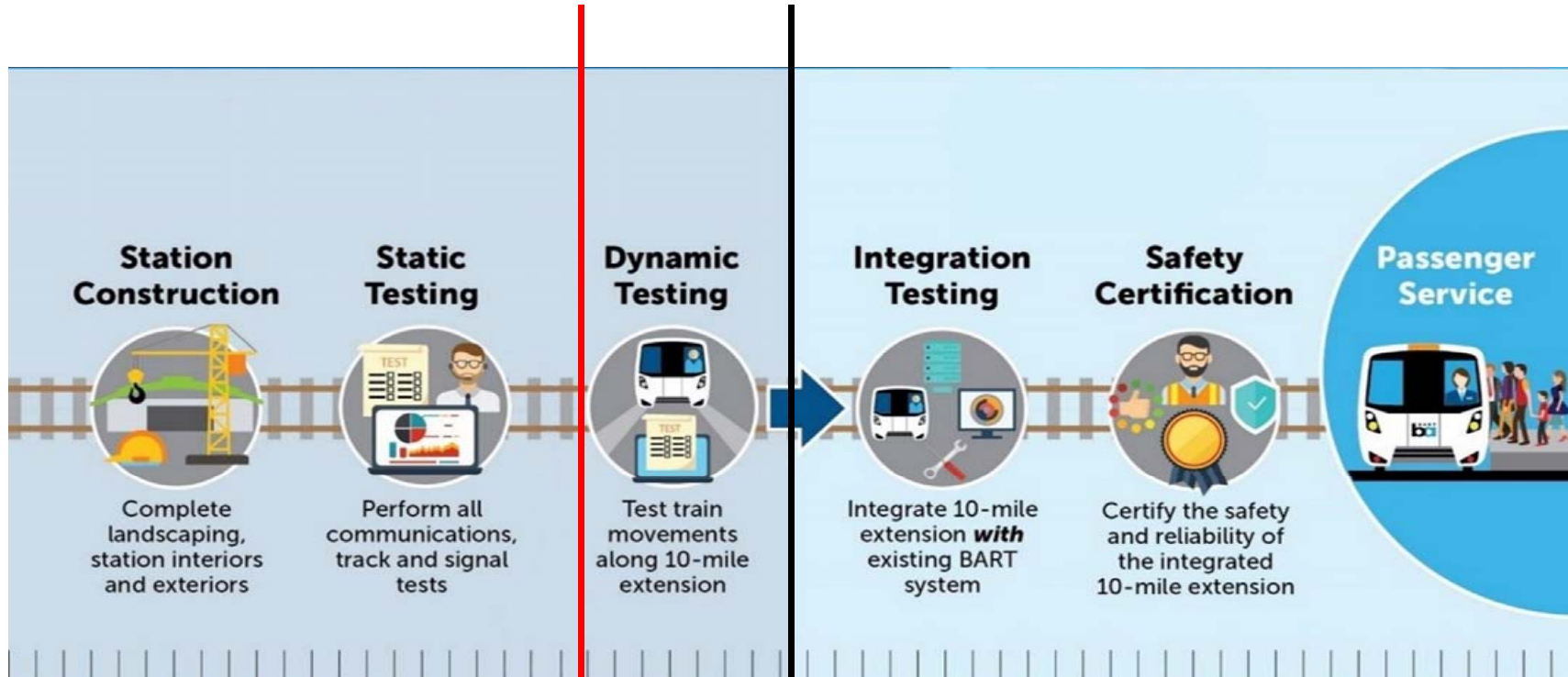
SVBX Project Status

VTA Activities

- | | |
|--|------------------------------------|
| • Construction | Complete |
| • Supply equipment for integration into BART OCC | Complete |
| • RIDS enhancements, final discrepancies, punch list, etc. | Prior to CPUC Safety Certification |
| • Remaining VTA testing activities | Prior to CPUC Safety Certification |

BART Activities

- | | |
|--|-------------------------------------|
| • Phase 3 Testing (restricted) | Underway |
| • Pre-revenue testing (restricted) | Started on October 28 th |
| • Contractor-provided training (except RIDS) | Underway |
| • Turnover of facilities | Underway |
| • BART network cutover to OCC in Oakland | Completed |



VTA Testing
Scheduled Completion
Prior to CPUC Safety Certification

BART Control (started on 6/3/2019)
6 Months Duration **Planned**

*Contingent on condition of:








- Assets when BART receives from VTA
- VTA test results and Punch list items*





Status of Discrepancies

Discrepancies as of November 12, 2019

System Description		Pre-Revenue	Revenue	System Readiness for Revenue	Post Revenue	Total Open Items
1	Train Control	12	100		26	138
2	Computer Systems Engineering (CSE)	12	15		5	32
3	Communication/Network	0	8		19	27
4	System Safety	0	5		0	5
5	Traction Power (TP) Combined with CSE	1	133		9	143
6	Electrical combined with TP, CSE & Mechanical	1	241		556	798
7	Mechanical	69	179		78	326
Totals		95	681	0	693	1469



BART Pre-Revenue Activities

Pre-Revenue Operations & Testing:

- Out-of-Cycle Bid for Labor forces:
 - *Submitted Bid Package to Unions on Monday, November 4, 2019*
 - *Bid Starts Monday, November 25th, 2019*
 - *Financial impacts and/or penalties are incurred if Revenue Service not achieved by December 28, 2019*
- Training & Stress Test of the system:
 - *Verify, validate & make adjustments to proposed Revenue Service Plan*
 - *Perform various simulated emergency drills*
- Upcoming Milestone with revised working hours for Testing and Discrepancy Resolution:
 - *Limited allowable time to complete all work!*



Upcoming Milestones (Going forward)

- BART Pre-Revenue Testing
 - *For Train Operator Familiarization Training*
 - Saturday to Wed: 10:00 a.m. to 6:00 p.m.
 - Thursday: 7:00 a.m. to 5:00 p.m.
- BART Phase 3 Testing (resume testing after some of the restrictions are removed)
 - *6:00 p.m. to 5:00 a.m. (Monday to Saturday)*
- Limited allowable times for VTA to complete remaining Phase 2 Testing (*RIDS, Fire Alarm, and Fire Telephone*) & Resolve Phase 3 discrepancies:
 - *With lock-out-tag-out (LOTO) restrictions*
 - 24 - 30 hours per week



Next Critical Milestones

- ***November 25, 2019*** – VTA & BART finalize CPUC Safety Certification package
- ***December 7, 2019*** – BART to issue the Notice of Intent to Operate
- ***December 9, 2019*** – BART to conduct Stress Tests (must have a clean track system with no discrepancies during tests)
- ***December 28, 2019*** – Revenue Service!



QUESTIONS?