

VTA's BART Silicon Valley Phase II Extension Project

Santa Clara February Community
Working Group Meeting

February 13, 2025



Agenda

Introduction & Announcements
Reimagining Santa Clara Street Vision Study
Phase II Update
Aligning the Project with Available Funding
Construction Update
Thriving Business Program Update
Next Steps



Santa Clara CWG Members



- Alden Smith, Holland Partner Group
- Ana Vargas-Smith, Reclaiming Our Downtown
- Bella Burleigh, SCU Service & Social Justice (SCCAP)
- Jack Morash, South Bay Historic Railroad Society
- John Urban, Newhall Neighborhood Association
- Jonathon Evans, Old Quad Residents Association
- Ron Miller, Bellarmine College Preparatory
- Ryan Morfin, San José Earthquakes
- Sean Collins, Santa Clara University
- Todd Trekell, Hunter Partners
- Vacant, Silicon Valley Central Chamber of Commerce
- Vacant, College Park Neighborhood Association

New CWG Members:

Jeanette Coran, Santa Clara University Rob Mayer, Reclaiming Our Downtown

City Design Review Committee Participants:

Michael Liw, City of Santa Clara Sheldon Ah Sing, City of Santa Clara

CWG Structure



New Members:

- Design Review Committee (DRC) members are now CWG members
- City Staff will serve as DRC participants on CWG
- Student representation (SJSU & SCU)

Roles & Responsibilities:

- Be **project liaisons** to communities
- CWG term is 4 years
- Request CWG members to communicate absences in advance
- Be available for follow ups or phone calls, if needed

Meetings:

- 4 regular, quarterly CWG meetings
- Interim CWG meetings (as needed)
- 1:1/Small Group Meetings (as needed/desired)

Advancing CWG Engagement

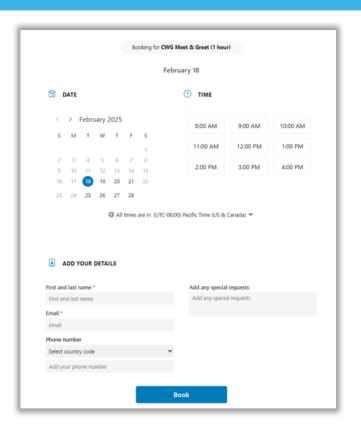


- Engage with Students
 - San Jose State University
 - Santa Clara University
- Leverage Stakeholder Toolkits to spread awareness of CWG/Public Meetings
- Hold Meet and Greets with CWG members
- Additional Recommendations?
 - Please let me know at nnguyen@vtabsv.com

CWG Meet & Greet



- Scheduling 1:1 or small group meetings with CWG members.
- Foster our relationships and cultivate a deeper understanding of the communities we serve.



CWG Member Report Out



Have you been able to update your community on the BSV Project?

Are there ways we can support you with sharing information to your communities?

What have you heard from your communities about the project?



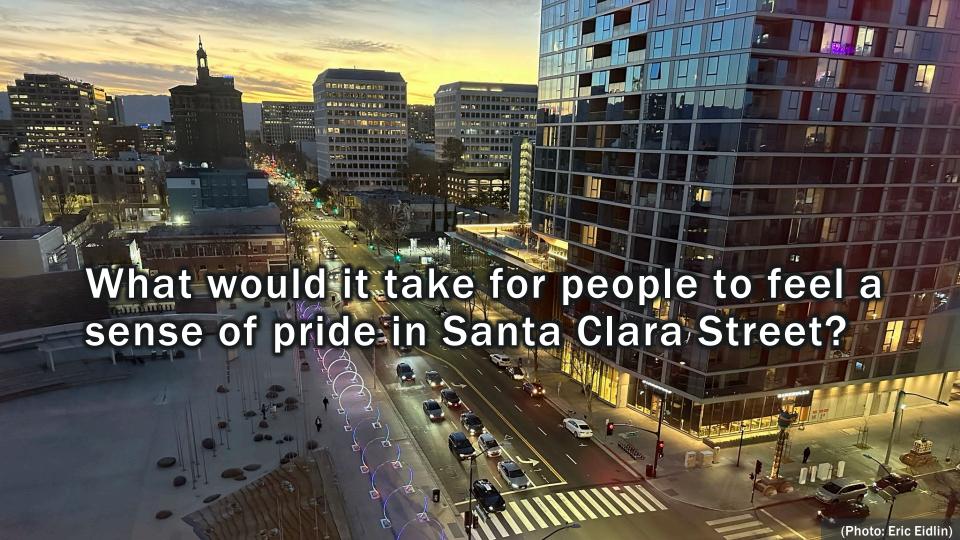
Reimagining Santa Clara Street Vision Study

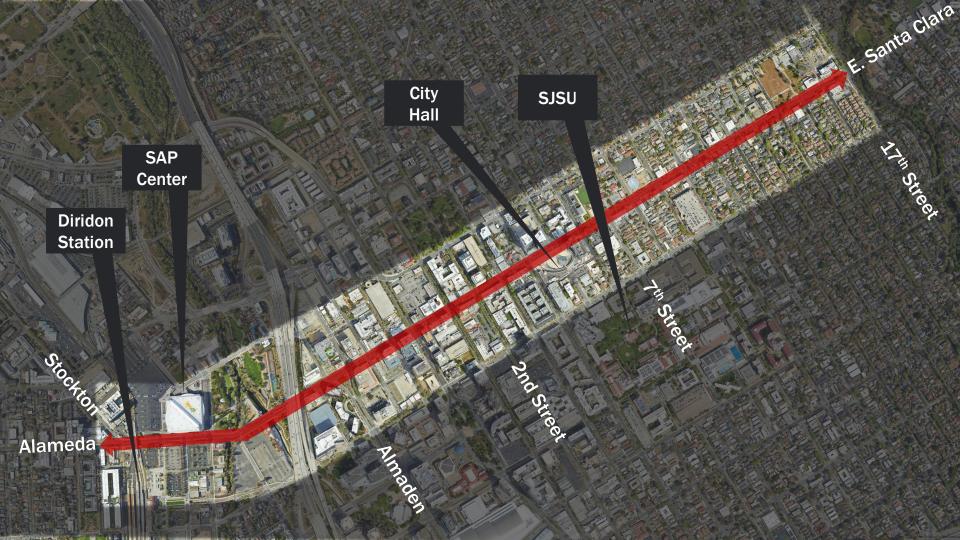
Nicholas Frey

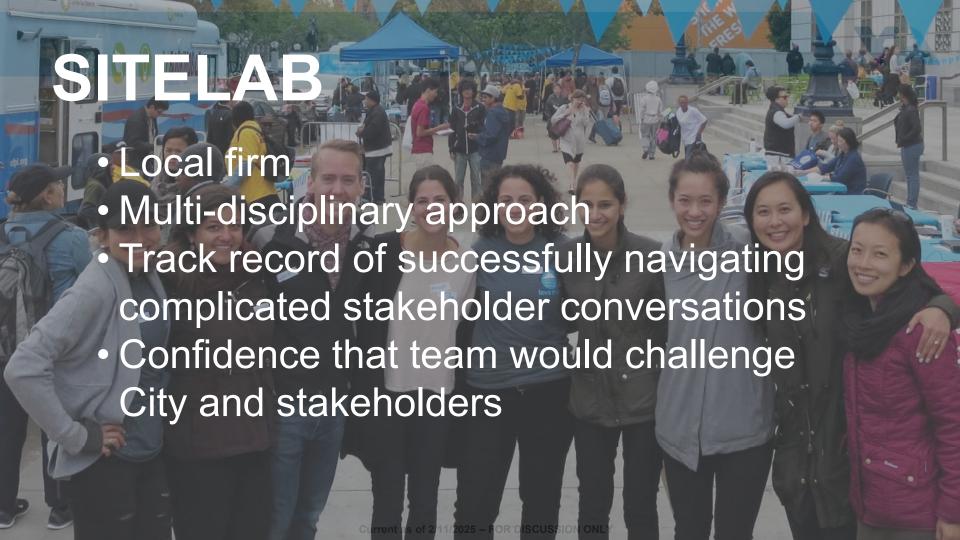
Transportation Specialist, City of San José



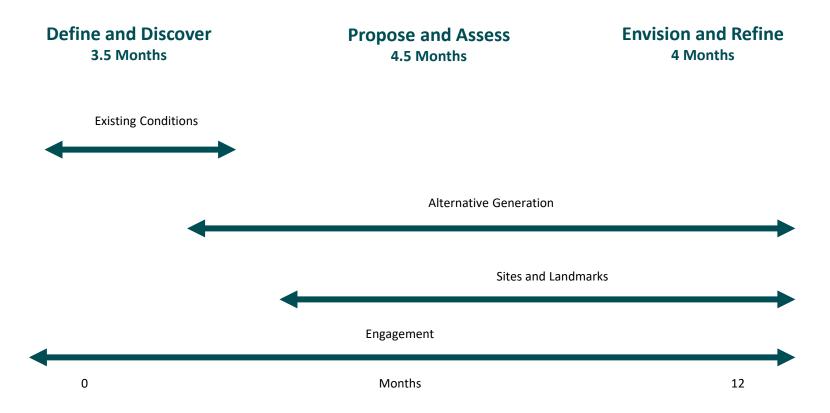








ESTIMATED SCHEDULE



Significant Sites / Opportunity Sites























Phase II Update

Erica Roecks
Interim Director of External Affairs, VTA

Program Considerations



- \$ Cost Savings (between \$700M to \$1.2B)
- Contractor/Industry confidence to build BSVII within budget
- Path to signing FFGA, before award of CP2 Stage 2

FTA Update



- Workshop with FTA/Project Management Oversight Consultant (PMOC) held in December
 - Reviewed major cost saving concepts
 - Brainstorming session on other potential ideas
- Ongoing coordination with FTA/PMOC
 - Regular risk reviews
 - Progress towards FFGA
 - Check-ins with FTA HQ Staff

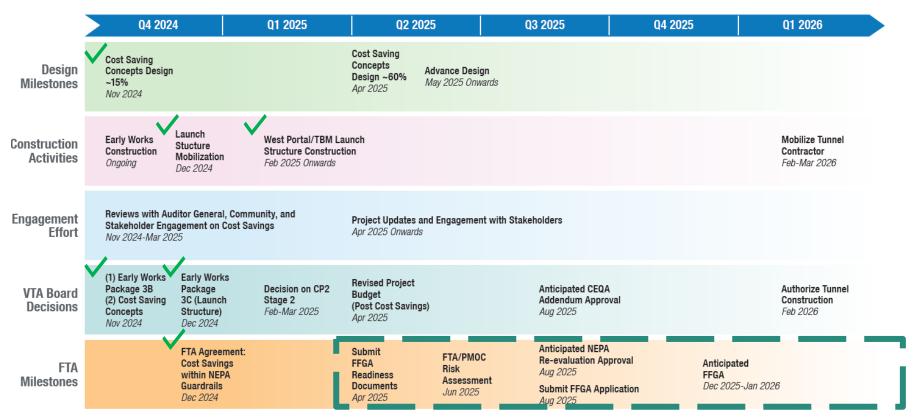
BSVII Contracting Task Force



- Includes VTA General Counsel Office, BSVII Project Staff, VTA Procurement Department,
 & Oversight Committee Subject Matter Expert Gall Zeidler
- Workshops conducted covering topics including:
 - Design level, Engineer of Record
 - Contract Packaging Scope, Size, & Biddability
 - Procurement Type & Delivery Methods
 - Qualitative Risk Assessment
- Discussions on CP2, including partial or full off-ramp
- Initial industry outreach at George Fox Tunneling Conference and Golden Beaver Heavy Engineering & Construction Awards in January
- Follow-up meetings planned in February
- Preliminary recommendations anticipated in March

Project Update







Aligning the Project with Available Funding

Erica Roecks
Interim Director of External Affairs, VTA

Cost Savings Update

2

2

A

B

C

D

Ε



\$77M

\$68M

\$20M

TBD

>\$40M

TBD

<\$5M

<\$10M to TBD

Level	Task Force	Cost Savings Advancing	Cost Savings (as of 12/6/2024)	Cost Savings (as of 2/3/2025)		
1	-	Criteria / Requirements Assessment with BART ⁽¹⁾	\$187M	\$187 M		
4		Convert 28th Street/Little Portugal	Ф7784	¢7784		

Notes: Draft ROM costs in YOF dollars based on conceptual designs and subject to change

Parking Structure Spaces to Surface Parking

Refine Station Design

(28th Street/Little Portugal, Downtown San José, and Diridon)

Owner Supplied Materials

Concurrent Tunneling from the East

Newhall Yard Facility / Santa Clara Station

Tunnel Interior Reconfiguration

Various Alternative Structural Concepts

Muck Off-Haul Options

\$77M

\$68M

\$20M

TBD

TBD

TBD

TBD

TBD

Cost Savings Candidates Evaluation Criteria: Criteria/Requirements



	Evaluation Criteria	Description	Indicators
	Cost Savings	 Draft Rough Order of Magnitude (ROM) costs in Year of Expenditure (YOE) dollars and subject to change. ROM costs reflect preliminary estimates based on conceptual design alternatives. 	\$X M - \$XX M
	Additional NEPA/CEQA	 Would additional NEPA/CEQA analysis be needed? 	
	Ridership Forecast	 Would there be a change to the ridership forecast? 	
	Additional ROW	Would additional right-of-way (ROW) be needed?	Yes/No
	BART/Third Party Engagement	Is coordination and engagement with the BART and third parties needed?	
P REAL	Public/Community Engagement	Is there an effect to the public/community that requires further engagement?	

Task Force A: Concurrent Tunneling from the East





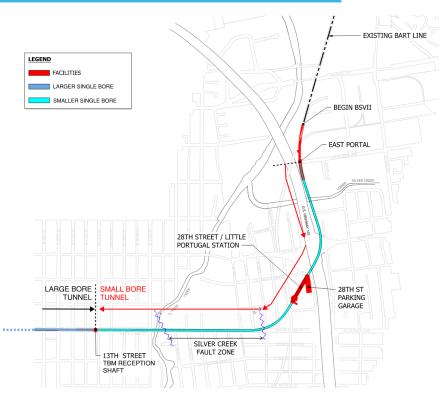
Cost Savings

TBD

Overview:

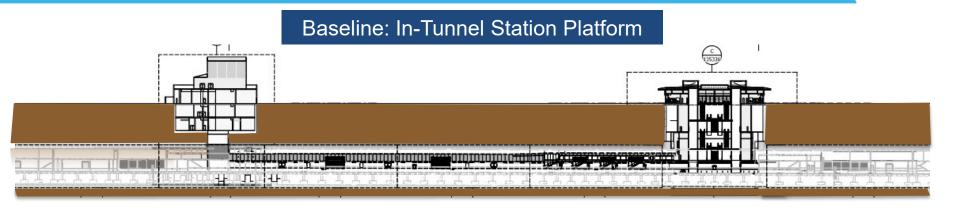
- Focused on smaller single bore tunnel from the East Portal to 13th Street
- Larger ~53 ft diameter TBM from West Portal through Diridon and Downtown San José would meet smaller single tunnel at 13th Street
- Initial space-proofing established ~45 ft diameter for smaller TBM
- No anticipated change to passenger-facing elements of 28th Street/Little Portugal Station at surface, passenger boarding below grade would be via side platforms
- Increased construction truck traffic at East Portal, 28th and 13th Streets
- Additional ROW (already environmentally cleared) required at East Portal
- Coordination and technical support from BSVII Oversight Committee Subject Matter Expert Gall Zeidler



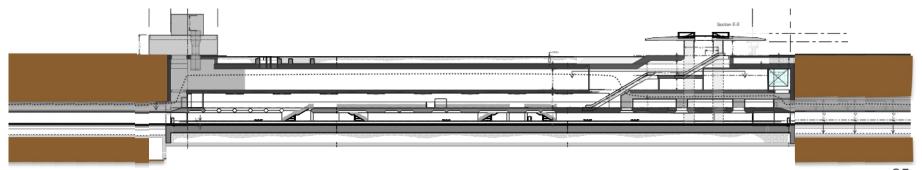


Concurrent Tunneling from the East





Task Force A: Fully Cut/Cover Station





Overview:

- Continuing to discuss operational options with BART.
- Exploring several options in Task Force B to provide efficiency of vehicle storage capacity, maintenance areas, shops buildings, and ancillary facilities - evaluating trade-offs between O&M and capital costs.
- Parking garage remains, Station Infrastructure Facilities (SIF) are being revised and consolidated.
- Looking into potential phasing opportunities with options.

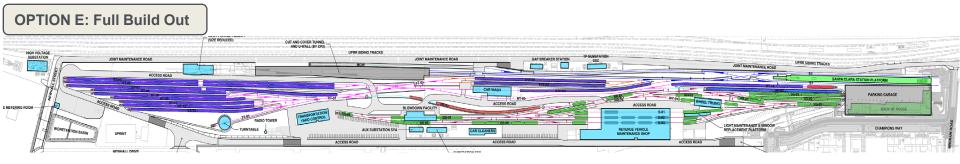


Cost Savings⁽¹⁾

>\$40M

(1) Draft ROM costs in YOE dollars and subject to change. Contingent on approvals for design variances.







Overview:

- Continuing to discuss operational options with BART.
- Exploring several additional options in Task Force B to provide efficiency of vehicle storage capacity, maintenance areas, shops buildings, and ancillary facilities - evaluating trade-offs between O&M and capital costs.
- Patron Parking would be changed to surface lot parking, no garage is required for Option F.
- Station Infrastructure Facilities (SIF) to be revised and consolidated.
- Looking into potential phasing opportunities with options.



Cost Savings⁽¹⁾

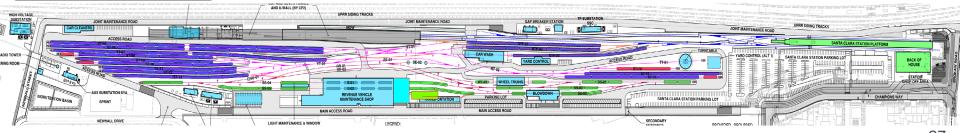
>\$100M

(1) Draft ROM costs in YOE dollars and subject to change. Contingent on approvals for design variances.



^{*} Parking Garage reduction/elimination and SIF structure refinement will require some stakeholder & community coordination.

OPTION F: Full Build Out





Overview:

- Continuing to discuss operational options with BART.
- Exploring several options in Task Force B to provide efficiency of vehicle storage capacity, maintenance areas, shops buildings, and ancillary facilities - evaluating trade-offs between O&M and capital costs.
- Patron Parking would be changed to surface lot parking, no garage is required for Option H.
- Station Infrastructure Facilities (SIF) to be revised and consolidated.
- · Looking into potential phasing opportunities with options.



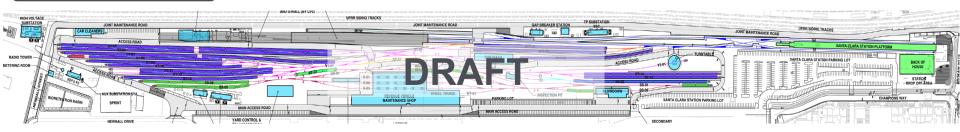
Cost Savings

TBD



^{*} Parking Garage reduction/elimination and SIF structure refinement will require some stakeholder & community coordination.

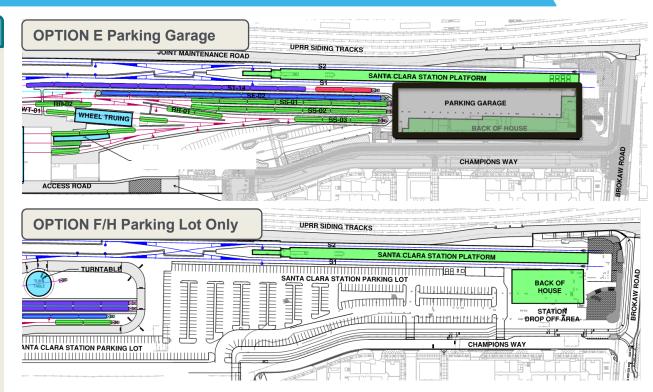
OPTION H: Full Build Out





Parking Comparison:

- Option E:
 - Full complete parking garage
- Options F and H:
 - No parking garage
 - 500 required public parking stalls can be located at-grade on opening day
 - Parking lot configuration layout to be coordinated with stakeholders (draft concept only presented)



Task Force C: Tunnel Interior Reconfiguration





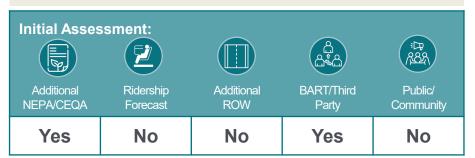
Cost Savings

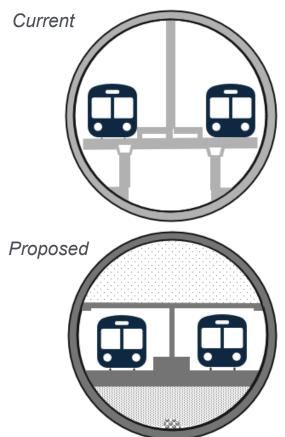
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Overview:

Assess and evaluate options for Tunnel Interior Build Out (TIBO): Invert Fill/Overhead (OH) Steel Plenum vs. Inverted-U Structure

- Cement stabilized aggregate invert fill material & optimized track alignment
- Emergency Ventilation System (EVS) Plenums: OH steel plenum structure w/ lower inverted-u plenum at Stations
- Interface of raceways and Mechanical Electrical Plumbing (MEP) elements relative to revised TIBO configuration





Task Force D: Various Alternative Structural Concepts





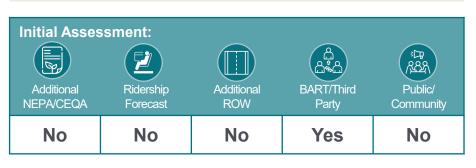
Cost Savings(1)

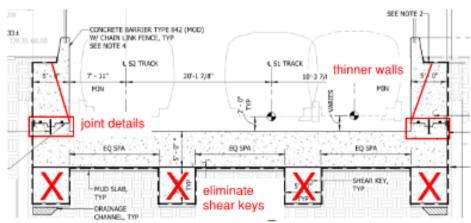
<\$5M

(1) Draft ROM costs in YOE dollars and subject to change. Contingent on approvals for design variances.

Overview:

- Final Portal Structures: Optimize rebar design and shearing capacity, reconfigure interfaces with temporary works (eliminate shear keys), thinner walls, simplify joint details
- Underground Station Structures: Optimize support of excavation (SOE) rebar, permanent and temporary SOE walls





Task Force E: Muck Off-Haul





Cost Savings⁽¹⁾

<\$10M to TBD

(1) Draft ROM costs in YOE dollars and subject to change. Contingent on approvals for design variances.

Overview:

Haul to local disposal sites to reduce trucking costs











Construction Update

Brent Pearse
Interim Deputy Director of External Affairs, VTA

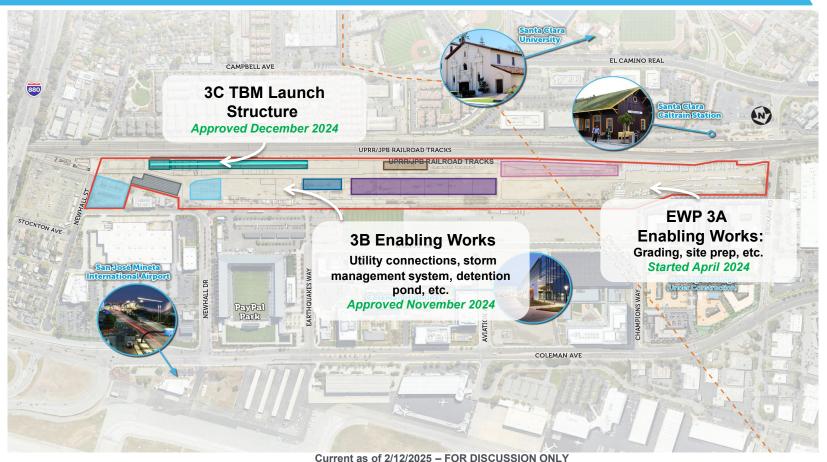
VTA's BART Silicon Valley Phase II Extension





Where is the West Portal and TBM Launch Structure





Construction Progress





Commissioning of Wheel Wash

Completed Drainage

Construction Progress





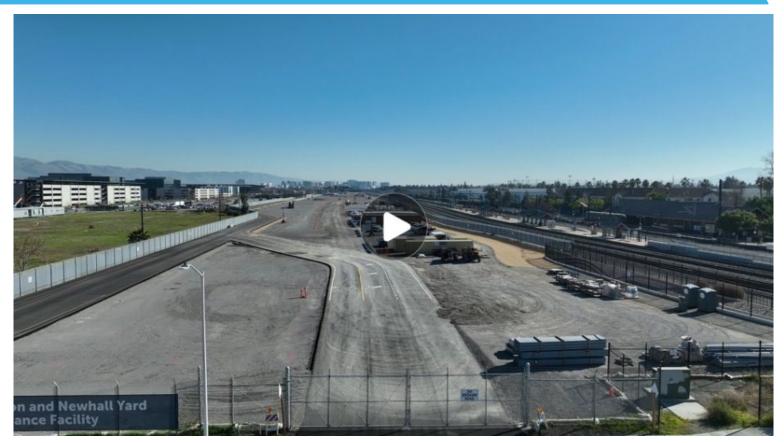


Concrete Pour for Access Road

Fusing HDPE Air Line Prior to Installation

Construction Site Flyover





Upcoming Construction Activities



West Portal Activities:

- Heavy equipment mobilization for the TBM Shaft will start: March 2025
- Temporary Noise Curtain Installation will initiate: April 2025
- Night Shift activities will begin: May 2025

Upcoming Activities

- East Portal Geotech Soil testing
- West Portal Nightshift (shift in hours & hauling operations
- Subscribe to receive updates on activities







Thriving Business Program Update

Brent Pearse, VTA
Interim Deputy Director of External Affairs, VTA

Thriving Business Program Background & Overview



- Goal is to support small businesses during major construction disruptions
- Developed with economic analysis, interviews, survey of small businesses, and lessons learned from case studies
- Program refinements completed following discussion at VTA Board of Directors (BOD) June 2023 meeting, including:
 - Communications Plan
 - Direct Financial Assistance (DFA)



Thriving Business Program Goals





Enhance small business resiliency



Encourage foot traffic to business that rely on "walk-in" customers



Support businesses with resources and marketing assistance



Provide grant funding to assist businesses during constructionrelated disruptions

Thriving Business Program Elements





Eat Shop Local

- Marketing campaign to encourage foot traffic:
 - Social media and website promotion
 - Signage and wayfinding
 - Marketing assistance
 - Local vendor list
 - VTA pop-up events



Local Resource Network

- Partnering with CBOs to provide:
 - Financial and technical assistance
 - Networking opportunities
 - Educational resources



Direct Financial Assistance

- Providing financial grant assistance to eligible small business.
 - Max. \$10k/year per business
- Assist businesses
 experiencing constructionrelated disruptions

Local Resource Network Surveys



Community-Based Organization Provider Survey

Financial resources/trainings

Technical assistance/trainings

Networking opportunities

Small Business Needs Survey

Identify concerns regarding construction disruptions

Determine business resource needs

Collect information on business logistics and operations

Local Resource Network Surveys



Small Business Needs Survey

- Release through:
 - SBTF canvassing
 - Local elected official outreach
 - Direct mail
 - Project website
 - Social media

CBO Provider Survey

- Release through:
 - SBTF canvassing
 - Email
 - Project website
 - Social media

VTA Thriving Business Program

Community-Based Organization Provider Survey

Santa Clara Valley Transportation Authority (VTA) is launching its Thriving Business Program (TBP)

urces during the construction BSVII Project).

nering with CBOs to provide through construction. Your ngs, webinars, etc.) that local ation in the TBP. Information ublished.

e about the TBP, please visit

VTA's Thriving Business Program Small Business Needs Survey

Santa Clara Valley Transportation Authority (VTA) is launching its Thriving Business Program (TBP) to support the small business community by providing targeted resources during the construction of the BART Silicon Valley Phase II Extension Project (BSVII Project).

Your survey input will help VTA refine the types of assistance provided to small businesses. Participation in this survey does not constitute enrollment in the Thriving Business Program. Information collected is for internal use only and will not be published.

This survey should take about 10-15 minutes to complete. To learn more about the Thriving Business Program, please visit www.VTABART.org.

Construction Disruptions

The BSVII Project is working to address potential construction activities that may affect your business. Please answer the following question to inform VTA about your concerns related to major Project construction.

- Based on your level of concern, rank the following construction disruptions, with 1 being the most disruptive and 4 being the least disruptive
- Prolonged vehicle lane closures, which may result in delayed deliveries and limit
- customer access or employee access.
- Prolonged parking restrictions or removal, which may result in delayed deliveries and limit employee or customer access.
- c. Advertisement and signage obstruction that may limit on-the-street business
- d. Other
- Please specify the potential construction disruption you are concerned about if you ranked 'Other' higher than 4.
- How do you anticipate these construction disruptions will affect your business operations? (Check all that apply)
 - a. Delayed deliveries
 - b. Reduced customer foot traffic
 - c. Challenges for employees getting to work
 - d. Decrease of sales revenue
 - e. Other:

Thriving Business Program Guide

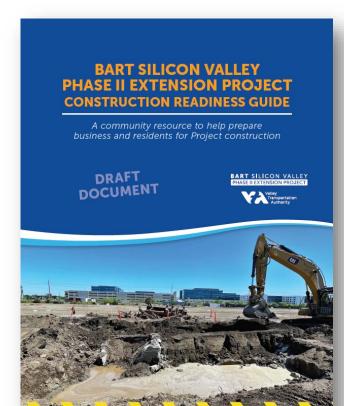






Construction Readiness Guide







Communicate: Share construction updates with neighbors and community groups to stay

 Participate: Join community meetings, including construction traffic management m detailing truck routes and station-specific construction activities. with enhanced support for local businesses and a better quality of life.

Whether you're a resident exploring new amenities or a business leveraging enhanced accessibility

these improvements will support a thriving, connected future for all

Feedback Next Steps



- CWG members provide feedback on these materials by February 24, 2025.
- Send your feedback to Tiffany Nguyen (tinguyen@vtabsv.com)
- Suggestions for additional information or resources



Next Steps

Ngan Nguyen

External Affairs CWG Liaison, VTA

CWG 2025 Workplan



- May 15, 2025
- September 11, 2025
- November 13, 2025

Valley Transportation Authority	February 13, 2025	May 15, 2025	September 11, 2025	November 13, 2025	Future 2026 Topics
CWG Member Update	Х	Х	Х	Х	Х
CWG Structure	Х				
Meet and Greet Sessions	Х				
Phase II Program Update	Х	Х	X	Х	X
FTA & Funding	Х	Х	Х	Х	Х
Allgning Project with Available Funding	Х	Х	Х	Х	
Contracting & Early Work Packages	Х	Х	Х		X
Construction Update	Х	Х	Х	Х	X
Contract Specific Construction Transportation Management Plans (CTMPs)		Х	Х	Х	Х
Construction Schedule	Х	Х	X	Х	X
Newhall Yard Update	Х				
Fencing & Screening	Х	Х			X
Building Monitoring / Instrumentation and Monitoring Program		Х	Х		Х
Community Engagement	X	Х	X	X	X
Thriving Business Program Update	Х	Х	X	Х	X
Construction Education and Outreach Update	Х	Х	X	Х	
Station Area Planning & Adjacent Developments		X	X		X
City Planning Updates			Х		X
Government Affairs Update				Х	Х

Upcoming Meetings



Link to Overview of Meetings and Committees:

vta.org/about/board-and-committees

- VTA's BSVII Oversight Committee: February 13, 2025 @ 12 PM
- Board of Directors Workshop: February 28, 2025 @ 9 AM
- Board of Directors Meeting: March 6, 2025 @ 5:30 PM
- VTA's BSVII Oversight Committee: March 13, 2025 @ 12 PM
- Board of Directors Meeting: April 3, 2025 @ 5:30 PM
- VTA's BSVII Oversight Committee: April 10, 2025 @ 12 PM