VTA's BART Silicon Valley Phase II Extension Project

Santa Clara Community Working Group

February 7, 2019

South Bay Historic Railroad Museum 1005 Railroad Avenue Santa Clara, CA 95050



Agenda

- Follow-Up Items & 2019 Work Plan
- Caltrain Electrification Update
- Phase II Update
- Construction Education and Outreach Plan
- Diridon Station Integrated Concept Plan
- Transit Oriented Development Strategy & Access Planning Studies Update
- Next Steps



Role of the CWG

- Be project liaisons
- Receive briefings on technical areas
- Receive project updates
- · Build an understanding of the project
- Collaborate with VTA
- Contribute to the successful delivery of the project



Your Role as a CWG Member

- Attend CWG meetings

 Bring your own binder (BYOB)
- Be honest
- Provide feedback
- Get informed
- Disseminate accurate information
- Act as conduits for information to community at large



Role of the CWG Team

CWG Team Member	Role
Eileen Goodwin	Facilitator
Gretchen Baisa	Primary Outreach Contact
Jill Gibson	Phase II Planning Manager
Erica Roecks	Technical Lead
Charla Gomez	City of San José – Planning Liaison
Jessica Zenk	City of San José – DOT Liaison
John Davidson	City of Santa Clara – Planning Liaison



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Upcoming Meetings

CWG Dates

(http://www.vta.org/bart/upcomingmeetings)

- April 18, 2019, 4:00 5:30 PM
- o June 13, 2019, 4:00 6:00 PM
- o September 12, 2019, 4:00 6:00 PM
- November 14, 2019, 4:00 6:00 PM

VTA Board of Directors

(http://www.vta.org/get-involved/board-of-directors)

- o March 7, 2019 5:30 PM
- o April 4, 2019 5:30 PM



Follow-Up Items



Follow-Up Items

- VTA staff will update CWG members when station naming is an item on a future VTA Board agenda.
- VTA staff will update CWG members tonight with new information on the project's funding plan.
- VTA staff will update CWG members on the FedEx site when more information is available.
- VTA staff emailed out 2019 City Council and VTA Board rosters on 1/21/2019.
- VTA's Access Planning Study team met with City of Santa Clara staff in December 2018 and City of San José staff in January 2019 to coordinate on development surrounding the station area.





CalMod

Agenda

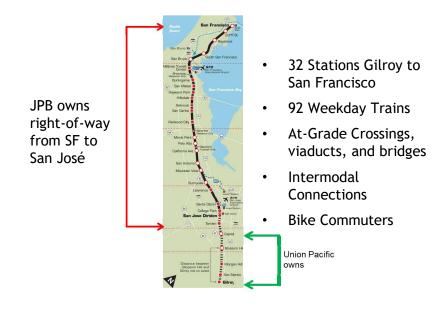
- Caltrain System Overview
- Project Overview
- Electric Train Design
- Santa Clara Construction Activities
- Questions



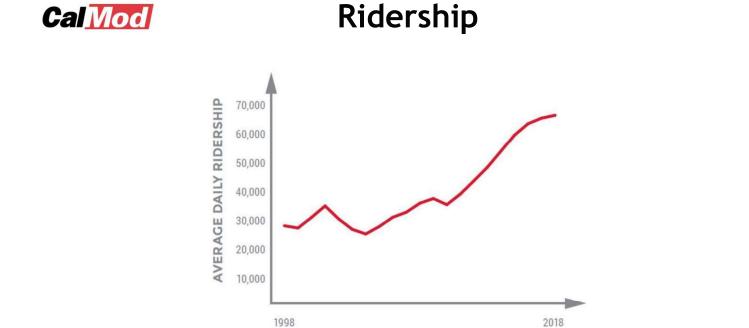




Caltrain System











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Caltrain



At Capacity Today





Bi-directional commute with riders standing on trains going southbound and northbound





Aging Fleet

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



At Retirement Age: 20/29 locomotives; 73/134 cars

*Trailers recently acquired from Metrolink with refurbishment ongoing.





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 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







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		

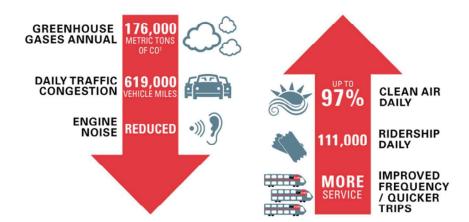


Note: Prototypical Train and Schedule





Key Regional Benefits (2040)





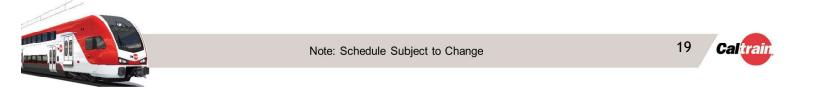
Caltrain



Schedule



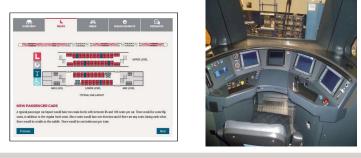
*Please keep in mind that testing and construction will overlap as each Segment will be tested individually, prior to final system testing.



Cal<u>Mod</u>

Electric Train

- 2016 Capacity Board Decision (bike to seat ratio, onboard bathrooms, upper doors 'not precluded')
- 2017 Design Decisions with Public Input (Exterior design, Seat colors, Bike Storage, ADA restroom)
- 2019 Virtual Reality 360 Tour









Construction Phasing

WORK SEGMENT 1

RK SEGMENT 2

Caltrain

580

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---- Caltrain Service South of O Caltrain Station

- 51 Miles Corridor
- 4 Work Segments
- 3,000 Poles
- 10 Traction Power Facilities







Field Work Status

Pre-Construction Work Completed	 Utility Survey Geotechnical Investigations Disposal of Soil from Geotechnical Investigations Soil Resistivity Testing Site Surveys Signal Cable Inspections
Pre-Construction Work In Progress	Foundation PotholingTree Pruning and Removal
Future Work	Foundation InstallationPole InstallationWire Installation







Santa Clara



Cal Mod Future Construction Activities

Santa Clara (Segment 3 - North of De La Cruz)

Date	Work Activity	Expected Duration*
In Progress	Potholing	2-3 months
Late 2019/Early 2020	Foundation Installation	3-4 months
Early 2020	Pole Installation	3-4 months
Early-Mid 2020	Wire Installation	3-4 months



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

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Cal Mod Future Construction Activities

Santa Clara (Segment 4 - South of De La Cruz)

Date	Work Activity	Expected Duration*
In Progress	Potholing	2-3 months
Early 2019	Foundation Installation	3-4 months
Summer 2019	Pole Installation	3-4 months
Fall 2019	Wire Installation	3-4 months



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





Potholing









Foundation Construction

- Excavation
- Rebar and Anchor Installation
- Electrical Grounding
- Concrete Fill





Foundation Installation





On Track Equipment





Pole Installation

- 3,000 Installed throughout Corridor
 - Approx. 150 Poles in Santa Clara
- Pole Height: 30-45.5'
- Pole Spacing: ~180' apart





Example Pole Types



Single Track Cantilever

Two Track Cantilever

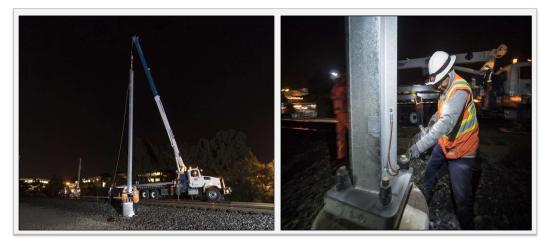
Center







Pole Installation





Current Pole Installation



Cal<u>Mod</u>

Stringing Wire





On-track Equipment



Cal Mod Santa Clara Test Track

- Approximately 1.5 miles of track
- Located between Santa Clara Station and Caltrain CEMOF facility
- Foundations, poles and wires to be installed prior to electric train testing



Cal Mod Santa Clara Test Track

- New electric trains will be tested on track
- Testing to occur between 2020 and 2021
- Testing anticipated to be during daytime





Cal Mod Overall Construction Information

- 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 (650) 399-9659



Cal Mod SF Weekend Caltrain Closures

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







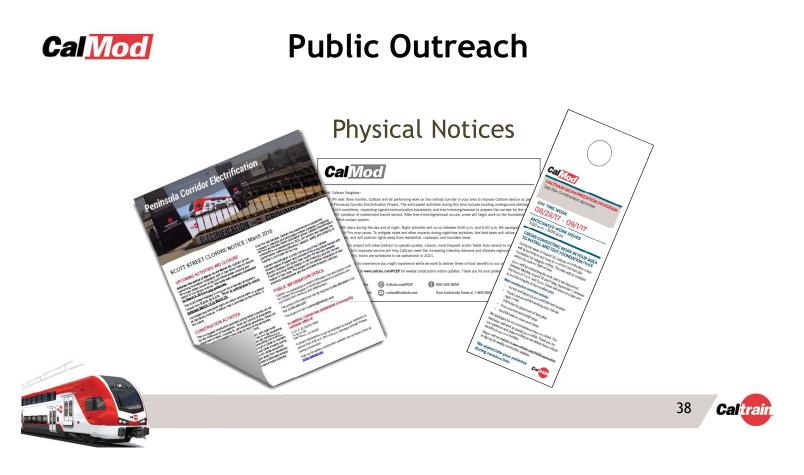
Public Outreach

- Subscribe to Weekly Updates

 Visit <u>www.calmod.org/get-involved</u>
- Additional Community Meetings

 Pole and Wire Installation
- Social Media
- Construction Outreach Office







CALMOD CONTACT INFORMATION

WEBSITE () CalMod.org

OFFICE (2) 2121 S. El Camino, Suite A-100

San Mateo, CA 94403

EMAIL 🔮 CalMod@caltrain.com

PHONE () 650-399-9659 800-660-4287 (Toll Free)

TWITTER 💟 @caltrain 9 a.m. - 5 p.m. Monday - Friday

FACEBOOK () www.facebook.com/caltrain

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Phase II Update

Jill Gibson, VTA Paul Hetu, VTA



Phase II Update

- Measure B Update
- General Engineering Consultant (GEC)
- Project Funding Strategy
- Field Investigations



GEC – Background

Project Organization Chart





GEC – Scope

Design

B		
 Develop design in accordance with final contracting plan Integrate all design scope 	 Review and evaluate alternate concepts submitted during construction procurement Review design- build progress and final design submittals 	 Support design changes during construction Support system integration testing and commissioning

Review



Support

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Coordinate

- Coordinate infrastructure transition to **BART/City**
- Ensure timely as-built (i.e. blueprint) documentation

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Project Funding Strategy – Update

Projected Funding:	\$5.581 Billion ²
Projected Federal Funds:	\$1.395 Billion
State Traffic Congestion Relief Program	\$0.161 Billion
State Transit & Intercity Rail Capital Program	\$0.750 Billion
Regional Measure 3	\$0.375 Billion
Local Measures Revenues to fund financing and escalation costs ¹	\$0.4 Billion
2016 Measure B Sales Tax	\$1.5 Billion
🗹 2000 Measure A Sales Tax	\$1.0 Billion
Projected Local & State Funds:	\$4.186 Billion

¹ Financing costs assumed to be available from 2000 Measure A and/or 2016 Measure B.

² Funding strategy to cover project capital costs, unallocated contingency, and financing costs during construction. Funding strategy will be updated as project advances.



Field Investigations in Major Project Areas



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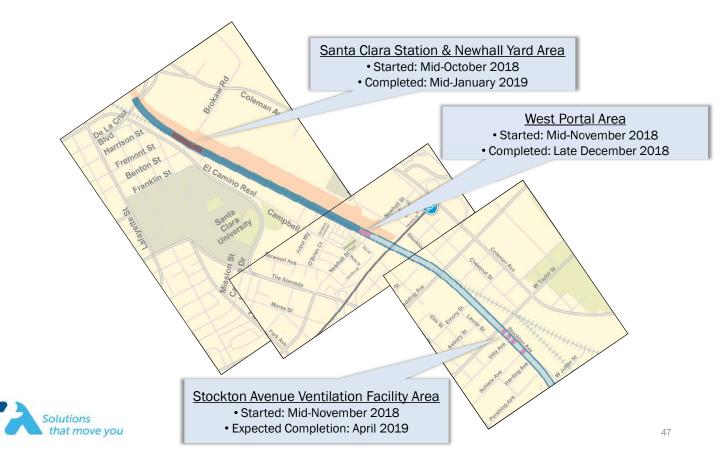
Field Investigations







Y?



Questions?



Construction Education & Outreach Plan (CEOP)

Gretchen Baisa, VTA Jill Gibson, VTA



CEOP

- Community Meeting Participation
- General Outreach Activities
- Small Business Marketing and Assistance Program (MAP)
- Small Business Assistance Study



Community Meeting Participation

- Coordination with City and internal stakeholders
- Community Presentations:
 - o January 16: San José Downtown Association Commercial Property Owners
 - o January 17: San José Downtown Association Historic District
 - o February 2: Shasta Hanchett Park Neighborhood Association
 - February 21: 13th Street Neighborhood Action Coalition (NAC)
 - April 18: Alameda Business Association
 - On the horizon: VTA-hosted community meetings to be held in Santa Clara, Downtown/Diridon and Alum Rock/28th Street areas in early spring



General Outreach: November – January

- Digital: Email newsletters, social media, website postings
- Door to door outreach for all field work
- Mailing and stakeholder outreach for fieldwork



CEOP – Five Focus Areas



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Solutions that move you

Business Resources – Small Business MAP



Small Business Assistance Best Practice Examples



Purple Line – LA Metro, Los Angeles, CA

- Art Program Campaign
- Metro Art Presents Series
- Art Tours
- <u>Animated video tour of extensio</u>
- EAT, SHOP, PLAY Business Marketing Campaign Highlights the ways the community can Eat at local restaurants, Shop at local retail stores and Play at local destination.
 - YouTube Video featuring M Day Spa on Wilshire Blvd
 https://www.youtube.com/watch?v=n0_J81VZI5I



Northwest Valley Extension – Valley Metro, Phoenix, AZ • METRO MAX Rewards Program

- Monthly discount program
- Marketing and advertising to support businesses
- Videos and social media campaign
- 4,000 followers, 500,000+ monthly views



Small Business Assistance Best Practice Examples



2nd Avenue Subway – New York MTA

- Project Tours
 - Over 1000 individuals
- Lead by MTA Capitol Construction CEO
- Community Information Center
 - Hands on custom innovative displays
 - Museum quality interpretation and visuals
 - Feature exhibit "The People Behind the Project"
- Staffed five days a week, one Saturday a month



2nd Avenue Subway - New York MTA

- Shop 2nd Ave Marketing Campaign
 - Daily specials
 - Attract foot traffic to corridor
 - Partnership with Chamber of Commerce
 - Enhance branding of 2nd Ave
 - Development of mobile app

Small Business MAP Timeline





Small Business Assistance Study – Purpose

 VTA is in the process of procuring a study that provides recommendations for how to efficiently and equitably provide technical and financial assistance to businesses affected by construction

 Single-bore tunnel reduces construction impacts, but unexpected events are

always possible.



Small Business Assistance Study Objectives

Profile various existing technical and financial assistance program models from major transit projects Conduct interviews with businesses to determine the business environment and business needs during construction

Define business eligibility criteria and create revenue baseline methodology to gauge construction impacts

Report recommendations for consideration to the VTA Board



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Questions that will be Considered

- Impacts: How will construction impact businesses?
- **Support Services Provided:** What types of small business support services are needed? What has worked elsewhere?
- **Measuring and Proving Impact:** What are the metrics and criteria for proving construction impacts?
- Program Eligibility: How will program eligibility be defined?
- Program Funding: Where will funding come from? How much is needed?
- Program Management: Who will manage and administer the assistance program?
- **Measuring Program Effects:** What metrics should be used to measure program efficacy?

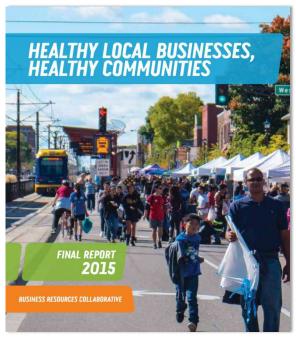


Case Study: Minneapolis - Saint Paul, MN

Business Resources Collaborative (2008-2014)

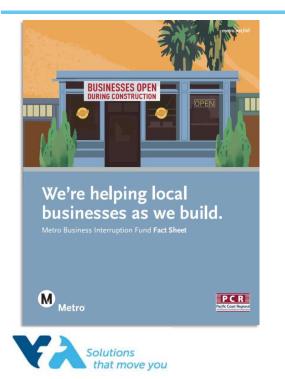
- Transit Project: 11 mile street-level light rail between Minneapolis and Saint Paul
- Construction Duration: 3 years (2010-2013)
- Major construction impacts: reduced sidewalk access, extensive street closures, and lost street parking
- Established Business Resources Collaborative
 - Group of business coalitions, nonprofits, and local governments (note: transit agency not involved)
 - Provided financial, technical, and marketing support to small businesses
- Results: \$2.8 billion invested, 13 net businesses, 4,459 new market rate housing units, and 2,375 new or preserved long-term affordable housing units





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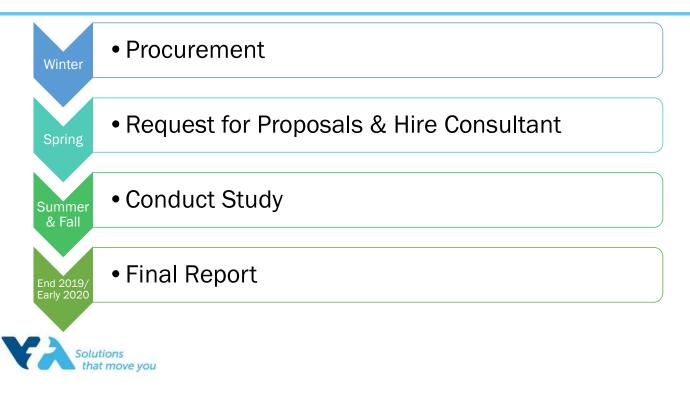
Case Study: Los Angeles, CA



LA Metro's Business Interruption Fund (2014 - present)

- Transit Projects: 8.5 mile street-level light rail, 9 mile subway, and 1.9 mile subway
- Construction duration: Started 2014 present
- Major construction impacts: extensive street closures
- LA Metro established Business Interruption Fund (BIF)
 - LA Metro Board approved \$10 million/year for BIF
 - Qualifying "mom and pop" businesses are eligible to receive a maximum grant of \$50,000/year
 - Grants cover operating expenses, such as rent/mortgage, utilities, and insurance
 - Funds administered by Pacific Coast Regional Small Business Development Corporation
- Results (so far): 82% of businesses remain open 2 years after award, 87% of clients satisfied

Timeline



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Questions? Feedback?



San José Diridon Station Integrated Concept Plan

Dennis Kearney, VTA



Philosophy for the Future Station

The vision is to deliver a world-class transportation hub that provides seamless customer experience for movement between transit modes within the station and into the surrounding neighborhoods and Downtown.



JPAB Summary - 1/31/19

• Questions/Comments Included:

- o Ability to build above tracks
- Track placement to east/west
- o Definition of the planning envelope/study area
- Ensure access from all sides of station
- Don't under design/don't skimp on design elements
- o Parking
- o Maintaining community engagement
- Next JPAB meeting: April 25, 2019

Concept Plan



Key Concept Plan Objectives

Physical Objectives



A Multi-modal, Integrated, and Human-centered Station



The Station as Catalyst for the Urban Environment



The Station as a Destination



A Compelling Vision for the Future of the Diridon Station



A Futureproof, Flexible, Adaptive, and Innovative Station

Operational Objectives



Partnership Organization

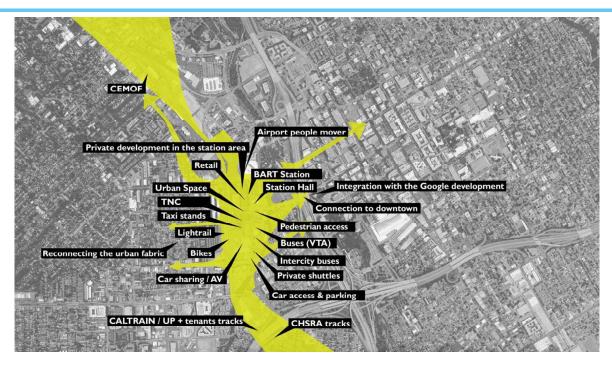


Internal & External Stakeholder



Funding Objectives and Risk Management

Station and Surroundings

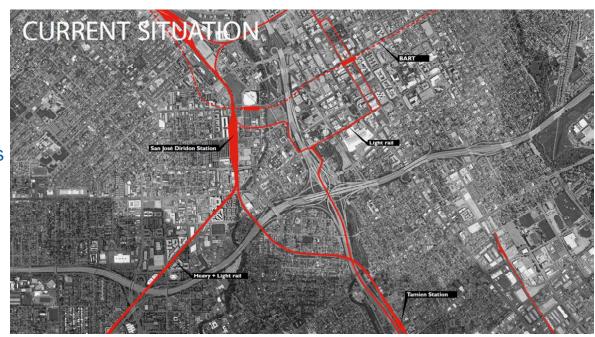


What's Included in the Concept Plan?

- Track configuration
- Spatial configuration of the Multimodal Hub
- Urban integration
- Position of Bus Stops, Light Rail, Taxis, TNCs, Vehicles, etc.
- Intermodal transfer
- Station Access
- Basis for evaluation
- **8 NOT:** Architectural Vision
- ☑ NOT: Detailed Engineering
- NOT: Atmosphere, Colors, Materials, Look & Feel

Track Configuration

- Physical Infrastructure
- Integration w/Surroundings
- Alignment w/ Caltrain Business Plan



Station Configuration

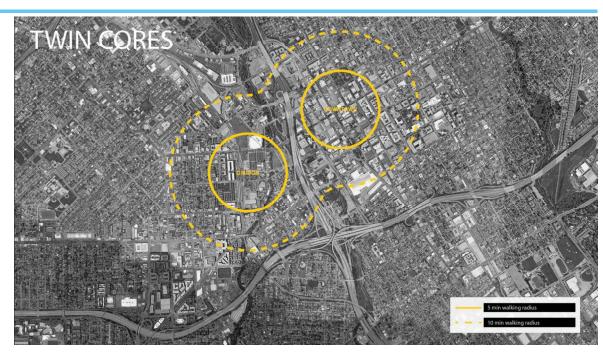
- Horizontal Location
- Balanced Integration
- Easy, seamless connections



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Urban Integration

- Physical Surroundings
- Connections & Pathways
- Barriers



Community Engagement Strategy

The Partners Developed an Outreach Strategy. Objectives Include:

- Inform and educate the public about the project and decision-making process
- Encourage active public participation by a broad range of the community
- Gather feedback for the Partner Agencies to consider during preparation of the Concept Plan
- Foster a **sense of pride** and collective ownership in the ultimate vision established by the Concept Plan

Completed Outreach Activities

- October 18, 2018: Presented to the City's Diridon Station Area Advisory Group
- December 10, 2018: Community Kick-off Meeting
- Supported SJSU Master's of Urban Planning capstone class project on Diridon Station, which included focus groups of community leaders, an interactive event on Dec. 1, and final report and presentation
- Updated <u>www.diridonsj.org</u> with information on the Concept Plan
- Maintaining email list to provide updates



Emerging Themes from Community

- The station needs to work well for the passenger
- The station should reflect the **cultural diversity** of San José -- design, art, accessibility, public spaces, and amenities
- The station should be easily accessible from anywhere in the city -- with a focus on pedestrian connectivity and access
- The station should function as a community hub 24/7

Upcoming Outreach Activities

Future Outreach Focus:

- Elements, evaluation criteria, and trade-offs
- Scenario Evaluation and Single Preferred Option

<u>Anticipated engagement activities</u>: Community meetings, online/mobile feedback mechanisms, pop-ups, presentations to advisory groups, conversations with transit riders and other stakeholders, etc.

Next Community Meeting: March/April 2019

Key Milestones/Tentative Timeline – Phase I



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Next Steps

- Joint Policy Advisory Board April 25, 2019
- Narrow to 3 Concept Scenarios Spring 2019
- Public Engagement, Consulting the Community Ongoing
- Concept Plan Update at April 2019 CWGs

For more information: www.diridonsj.org

Questions?

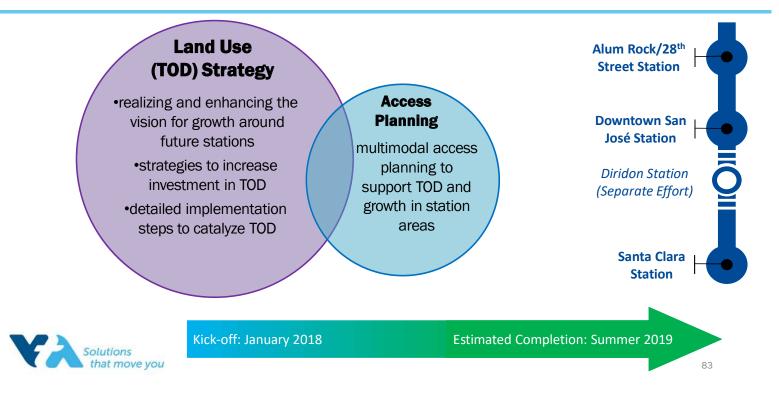


Transit-Oriented Development Strategy & Access Planning Studies

Adriano Rothschild, VTA



TOD Strategy Study



Study Phases and Timeline

background conditions JanMay 2018	 review previous planning efforts and existing conditions "what is good TOD?" – April CWG workshop "background conditions" – June CWG workshop 	
corridor opportunities & constraints MarSept. 2018	 identify opportunity sites and station area access needs develop TOD prototypes and identify TOD potential evaluate development capacity and TOD barriers "opportunities and constraints" – September CWG workshop 	
implementation strategies & tools Oct June 2019	 "overcoming TOD barriers" – November CWG workshop strategies to create a market for TOD guidelines for public and private improvements "plan for strategy implementation" – February CWG "TOD strategies and policy recommendations" – April CWG 	
final report Apr June 2019	 compile findings and recommendations distribute draft final report to CWGs present implementation strategies to city councils "final recommendations" – June CWG 	

City and Agency Engagement

- City collaboration is essential for Study's success
 - monthly coordination meetings with City staff
 - City, BART, and VTA staff involved in Technical Advisory Group







Challenges for Realizing TOD Potential

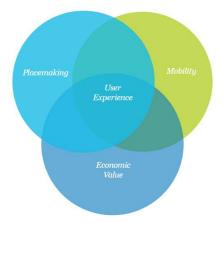
- Regulatory constraints on development
- · Parking requirements and demand
- Short- to mid-term market demand conflicts with long-term vision for TOD
- Major capital improvements necessary for access and infrastructure to support development
- Risk of displacement of existing small businesses and households
- Multiple demands on existing and potential new funding sources



Study Outcome

- provide a "path to TOCs playbook" that includes guidance for cities to realize Transit-Oriented Communities (TOCs) around each BART Station
 - land use and zoning recommendations to support balanced, 24-hour places
 - development guidelines for creating pedestrian-friendly environments
 - prioritized infrastructure and access improvements to serve Transit-Oriented Communities
 - policies that facilitate good Transit-Oriented Development
 - o financing tools for implementation





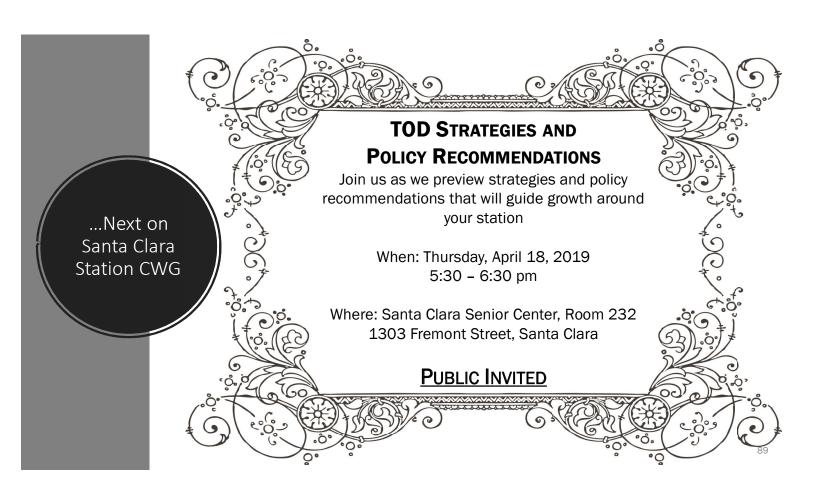
How CWG members can

participate

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Engagement in 2019

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educate & create awareness Winter - Spring 2019	 public & stakeholder engagement City and agency partner coordination VTA Board briefings and presentation City Council study sessions 	circulate information shared online and through social media
preview & test strategies Spring – Summer	 preview TOD strategies to public & stakeholders City and agency partner coordination refine TOD strategies and finalize "path to TOCs playbook" for each station 	invite us to present at your community meetings provide feedback and buy-in on strategies
2019		
present strategies Summer – Fall 2019	 present to VTA Board - call to action! present to City Councils - call to action! support City in implementation of TOD strategies 	attend and provide support for strategies at VTA Board and City Council meetings



Questions?



Next Steps

Eileen Goodwin, Facilitator



Next Steps

- Next CWG meeting: Thursday, April 18, 2019, 4:00 – 5:30 PM Santa Clara Senior Center, Room 232 1303 Fremont Street, Santa Clara, CA 95050
 - Phase II Update
 - Construction Education & Outreach Plan
 - o Diridon Station Integrated Concept Plan
 - Real Estate Update
 - Transit-Oriented Development Strategy & Access Planning Studies Update
- TOD Strategies and Policy Recommendations Workshop 5:30-6:30 PM
- Action Items

