VTA’s BART Silicon Valley Phase II Extension

Downtown-Diridon Community Working Group

November 15, 2016

Agenda

• Follow-up Items and Work Plan
• Project Updates
• Measure B Update
• Diridon Transportation Facilities Master Plan Update
• Environmental Process: How to Comment
• VTA Business Diversity Program
• Technology Integration in BART Phase I Design
• 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

<table>
<thead>
<tr>
<th>CWG Team Member</th>
<th>Role</th>
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<tbody>
<tr>
<td>Eileen Goodwin</td>
<td>Facilitator</td>
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<tr>
<td>Angela Sipp</td>
<td>Primary Outreach Contact</td>
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<tr>
<td>Leyla Hedayat</td>
<td>Phase II Project Manager</td>
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<tr>
<td>Kevin Kurimoto</td>
<td>Technical Lead</td>
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<tr>
<td>Rosalynn Hughey</td>
<td>City of San Jose – Planning Liaison</td>
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<tr>
<td>Jessica Zenk</td>
<td>City of San Jose – DOT Liaison</td>
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<tr>
<td>John Ristow</td>
<td>City of San Jose – DOT Liaison</td>
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Upcoming Meetings

Public Hearings for Draft Environment Document
- January 30, 2017 – San Jose City Hall, Rooms 118-120
- January 25, 2017 – Mexican Heritage Plaza, Gallery Room
- January 26, 2017 – Santa Clara Senior Center, Room 222

VTA Board of Directors
- November 18, 2016 (Workshop Meeting) at 2:00 PM
- December 8, 2016 at 9:00 AM

BART Silicon Valley Program Working Committee
- December 5, 2016 at 10:00 AM

Diridon Joint Policy Advisory Board
- December 16, 2016 at 3:00 PM

Public meetings on specific technical topics - TBD
Follow-up Items (1 of 2)

- Added John Ristow to City of San Jose contacts list
- Added single bore consultant contract information to meeting summary
- BART provided more information regarding job classifications on slide 60 in meeting summary
- Provided link to BART GIS information in meeting summary
- Sent sign-in sheet to SPUR and Downtown Association
- Fixed PowerPoint slide to reflect Santa Clara CWG vote and updated version is posted on the website

Follow-up Items (2 of 2)

- Created a table of agencies and their roles for projects in the Diridon area – on the Phase II CWG website under "Phase II CWG Links"
- SPUR clarified Caltrain per passenger per hour statistics on slide 37 were early scenarios explored as part of a forthcoming SPUR report. SPUR has since eliminated some of those scenarios based on feasibility. For the remaining scenarios, SPUR estimates that the peak-hour capacity per direction would be between 7,200-10,800 passengers, depending on the scenario.
Work Plan Shifts & CWG Next Steps

Facilitator

Draft 2017 Work Plan

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<th>Subject</th>
<th>March '17</th>
<th>April '17</th>
<th>May '17</th>
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<td>Process for evaluating the proposed options for the Downtown &amp; Diridon stations; VTA Staff Recommendation</td>
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<td>Multimodal access planning for each station</td>
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<td>Design and aesthetics of the BART structures such as vents, exits, etc.</td>
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Project Updates

Leyla Hedayat, VTA

Current Activities

- Single Bore Study is underway
- Draft Supplemental Environmental Impact Statement/Subsequent Environmental Impact Report released in late December
- Independent Risk Assessment is getting started
Independent Risk Assessment Scope

- Qualitative and quantitative independent risk assessment of a twin-bore tunnel system and a single-bore tunnel system
- Will be used to facilitate VTA's selection of the preferred tunneling alternative
- Scope of services include:
  - interviews with technical experts, single bore study consultant team, industry subject matter experts, key project stakeholders, and peers from other transit agencies with similar project experience,
  - identification and documentation of risks and opportunities in a register format
  - Qualitative risk/opportunity assessment of each alternative
  - Quantitative assessment of the identified risks/opportunities relative to cost, time, and project performance
  - Recommended risk mitigations and management or control options
  - Recommended allocation of risks

FTA Grant – BART Phase II TOD and Station Access Planning Study

- VTA received $1.5M BART Phase II Transit-Oriented-Development and Station Access Planning Study grant from FTA
- Study will:
  - Identify multimodal access needs and TOD opportunities to promote redevelopment and accessibility in the corridor and at the BART Phase II stations.
  - Lay the groundwork for sustainable redevelopment along the Phase II corridor to the benefit of increased transit ridership, economic development, and increased vibrancy of station areas.
  - Fully evaluate the Alum Rock station, the Downtown San Jose Station, and the Santa Clara station. The Diridon station will be looked at and information will be provided to the Diridon Transportation Facilities Master Plan team.
Diridon Station Options Update

Leyla Hedayat, VTA

Diridon Station South Option - Twin Bore Tunnel

- Previously environmentally cleared
- Advanced design level
- Cut & cover construction: ~900’ long
- Station platforms: ~50’ below grade
- Flexible entrance locations
Diridon Station South Option - Single Bore Tunnel

- Conceptual design level
- Station platforms (stacked):
  ~90’ below grade
  ~105’ below grade
- Flexible entrance locations

Diridon Station North Option - Twin Bore Tunnel

- Conceptual design level
- Cut & cover construction:
  ~ 900’ long
- Station platforms:
  ~55’ below grade
- Flexible entrance locations
Diridon Station North Option - Single Bore Tunnel

- Conceptual design level
- Station platforms (stacked):
  ~90’ below grade
  ~105’ below grade
- Flexible entrance locations

Measure B Update

Jim Unites, VTA
Diridon Transportation Facilities
Master Plan Update

Jim Unites, VTA

Diridon Station

BART Community Working Group

November 2016
Jim Unites, Executive Manager, Transit Planning
### Weekday Transit Trips Using Diridon

<table>
<thead>
<tr>
<th>Operator</th>
<th>Current</th>
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<td>Private/Tech Shuttle</td>
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<td><strong>Subtotal Bus</strong></td>
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<td><strong>TOTAL</strong></td>
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Collaboration Task Force Organization

• Diridon Station Joint Powers Authority
  • VTA, Caltrain, BART, CAHSR, CSJ, MTC, State of CA, Mineta Transportation Institute (ex-officio)

• Executive Management Group
  • VTA, CSJ, CAHSR, Caltrain

• Working Groups
  • Development, Communications, Governance & Funding

• Facilities Master Plan Working Group
  • Technical Team - VTA, Caltrain/Amtrak, CAHSR, BART, ACE, Capitolcs, CSJ

Transportation Facilities Master Plan

• Phase 1 – Technical Study
  • Identify facility requirements for all current and planned transportation services
  • Plan for seamless passenger connections
  • Access planning – traffic, transit, bike, ped, parking
  • Develop Facility Alternatives and Evaluation Criteria
  • Key piece of information for future redevelopment of Diridon Station Area

Contract awarded to AECOM - Funded by High Speed Rail and VTA
## Taskforce Work Plan & Schedule

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<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<td>Initial Station-Level Plan and Viability Study</td>
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### Environmental Process: How to Comment

**Tom Fitzwater, VTA**
Environmental Review Steps

- Initiate SEIS/SEIR Environmental Process
- Scoping Meetings February, 2015
- Prepare Draft Environmental Document
- Circulate Draft Environmental Document
- Comment Period & Public Hearing
- Respond to Public Comments
- Approve Final Environmental Document/Project

Comments on Draft

- Be specific and clear about concern.
- Provide location if you want a response to site-specific concern.
- Submit comments by deadline.
- Your comments along with the responses will be published in the Final SEIS/SEIR.
Tentative Public Hearings

- Meetings in January, 2017
  - 01/25/17: Mexican Heritage Plaza, Gallery Room
  - 01/26/17: Santa Clara Senior Center, Room 222
  - 01/30/17: San Jose City Hall, Rooms 118-120
- 5:00 – 6:00 PM ~ CWG member preview
- 6:00 – 8:00 PM ~ Public Hearing

Public Hearing Comments

- Verbal comments at the hearing will be recorded by a court reporter.
- Written comments at the hearing will also be accepted.
How To Submit Written Comments

Submit written comments to VTA:
Tom Fitzwater
VTA Environmental Planning, Building B
3331 North First Street
San Jose, CA 95134

email: bartphase2eis-eir@vta.org

Comments must be received by 5:00 p.m. on TBD, 2017

Connect with VTA to get updates!

1. Subscribe to updates at www.vta.org/bart
2. Visit the “What’s New” section at www.vta.org/bart
3. Follow us on Facebook (facebook.com/bartsv)
4. Follow us on Twitter (@bartsv)
5. Notifications via Nextdoor
6. Contact the BART Community Outreach Team
   •(408) 934-2662 (Hotline)/vtabart@vta.org
CWG’s Role ~ Public Hearing

• Spread the word to your organizations
• Encourage attendance
• Share tips on providing comments

VTA Business Diversity Program

Liz Brazil, VTA
Welcome to Business Diversity Programs

Community Working Group
November 2016

Procurement and Contracting Methods

• Invitation for Bids (IFB)
• Request for Proposals (RFP)
• Negotiated Procurements (NP/RFP)
Solicitations

VTA IFBs and RFPs are advertised on our website. The basic details of the solicitations can be viewed without registering on the site at the following link:

http://www.vta.org/about-us/procurement

How to Become a Vendor

2 ways to sign up as a "vendor";

1. To sign up as a vendor through an existing solicitation, you may do so at the following link:

http://vta.org/about-us/become-a-vendor

2. To register as a vendor, follow instructions at the following link:

Vendor Registration Instructions

• Enter your email address in the field provided on the page and click the button.
• If you are already a vendor an email will be sent to the email address we have on file that has verifies the information we have on file and instructions on how to update anything that is outdated.
• If you are not in the system you will be asked to submit your vendor information.
• Once complete you will be sent an email verifying your information and with a link that you must click to verify and complete the sign up process.
• Once registered, you will receive automated notifications of opportunities to bid. You can control the type and frequency of notifications from the vendor settings page.
• If you have any questions, call the contract administrator listed on the procurement.

Our Mission

• VTA’s Business Diversity Programs create opportunities for businesses by connecting services and resources they need in order to thrive.
• Our Mission is to assist our business communities so they can compete and move our Economy Forward!
Office of Business Diversity Programs

Types of Programs

Federal Program
- Disadvantaged Business Enterprise Program for Federally Funded contracts
- California UCDBE Certification Required

State Program
- Small Business Enterprise Program for State/Locally Funded contracts
- 13 CFR Part 121
- VTA, CUCP or other Accepted SBE Certification Required

Local Program
- Business Diversity Programs for Minority, Women, Disabled Veteran, and LGBT Business Enterprise for Locally Funded contracts
- Adopted by the VTA Board in August 2014 and expanded to include Disabled Veteran and LGBT in May 2016.
- VTA and other Accepted MBE, WBE, Disabled Veteran, and LGBT Certification Required
Various Program Outreach

On a regional level, VTA's business outreach efforts shall include, but are not limited to, the following:

- **Meet & Greet/Networking Sessions**
- **Encourage new relationships** with VTA through increased community engagement efforts and informational workshops.
- **Certification Workshop**
- **Procurement Training**
- **Partner with other Agency’s outreach programs**
**Types of Certification**

- **DBE** based on economically/socially disadvantaged and small business size standard, control and ownership (49 CFR Part 26)
- **SBE** based on small business size standard (13 CFR Part 121)
- **MWBE** based on ethnicity and gender
- **DVBE** based on certification by Department of General Services as a disabled veteran, under a reciprocity agreement
- **LGBTBE** based on certification by the California Public Utilities Commission and the National Gay and Lesbian Chamber of Commerce, under a reciprocity agreement

**Program Awards**

In May 2016, Golden Gate Business Association honored VTA for their historic inclusion of LGBT Enterprises First transportation agency in the United States of America to codify LGBT inclusion to their procurement program.
Types of Goals

<table>
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<tr>
<th>Funding</th>
<th>Program</th>
<th>Goal Type</th>
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<tbody>
<tr>
<td>Federal</td>
<td>DBE</td>
<td>13% Overall Triennial Goal</td>
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<tr>
<td>State and Local</td>
<td>SBE</td>
<td>19% Program Goal</td>
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<tr>
<td>Local</td>
<td>MWBE</td>
<td>18% Aspirational Goal</td>
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Contract-specific goals are set when there are subcontracting opportunities. Goals are based on the available DBEs and/or SBEs who are willing, ready and able to perform the work.

DBE Goal Setting Methodology

DBE Goal Setting – Two Step Process

Step I - Develop a Base Figure
- Classify work by North American Industry Classification System (NAICS) codes
- Search the CUCP database for ready, willing, and able DBE firms
- Determine the number of firms for those NAICS codes in our market area
- Calculate a soft goal

DBEs
All firms (includes DBEs)

Step II – Adjust your Base Figure, if needed

Types of Evidence to Consider:
- Current capacity of DBEs to perform the work
- Disparity Studies
- Ability of DBEs to get financing, bonding, insurance, etc.
- Input from interested parties
Contract Monitoring and Oversight

Currently monitor over 282 active contracts worth over $2.2 billion

- Prompt Payment to ensure that businesses are paid promptly
- Commercially Useful Function to monitor and ensure work committed to DBE firms at contract award is actually performed by DBEs
- In compliance with Federal Administration reporting requirements
Technology Integration in BART Phase I Design

Margaret Simmons-Cross, VTA
SVBX Emerging Technologies

Community Working Group Meetings
November 14-16, 2016

Presented by: Margaret Simmons-Cross
SVBX Construction Manager

Presentation will cover:

- VTA Parking Technology and Revenue Collection System
- Photo Voltaic Power Generation System
- Electrical Vehicular Supply Equipment (EVSE) Electrical Chargers
- Intermittent Escalators at VTA’s Berryessa and Milpitas BART Stations
- BikeLink Bicycle Parking
- Q&A
SVBX Emerging Technologies

VTA – Parking Technology and Revenue Collection System

• Implemented with the C730 Parking Structures Design Build Contract
• Contractor was required to design, build, document, implement an account and facility based parking revenue collection system
• Web and mobile customer account and permit management.
• Provides for kiosk based payment system
• Revenue accounting and facility reporting
• Facility and level guidance system
• Vehicle mounted License Plate Recognition (LPR) Hardware
• Expandable

SVBX Emerging Technologies

• Parking Guidance System
• Ultrasonic sensors
• Custom master panel signs
• Custom garage level signs
SVBX Emerging Technologies

- Payment Kiosk
- Cash, coin, and credit card payment processing
- 15” Touch Monitor
- Integrated VOIP intercom system
- Thermal printer
- 2 hour battery back up
- Configurable logos, receipts, help and validation screens
- Sheet metal construction with a 3-point locking system

SVBX Emerging Technologies

- PlateScout
- Dual Vehicle Mounted Cameras
- Embedded license plate recognition engine
- Front seat mounted Toughbook tablet and citation printer
SVBX Emerging Technologies
Photo Voltaic Power Generation System

- Implemented with the C730 Parking Structures Design-Build Contract

- PV Panels – Satisfies CalGreen Sustainability Checklist

- Scope: Design, furnish and install PV panels, inverters, circuitry and related electrical components and structural steel support system

- Utilize Federal Earmark of $750K: VTA’s Renewable Energy Conversion Earmark

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SVBX Emerging Technologies
Photo Voltaic Power Generation System

- Other Funding: SVBX Program Invested $1.1M additional funding

- 11-year payback period: on $1.1M investment

- Approx. $1.7 M savings over 25 years

- Buy America
SVBX Emerging Technologies

Photo Voltaic Panels at Berryessa Station

SVBX Emerging Technologies

Photo Voltaic Power Generation Station and Energy Performance Monitoring
SVBX Emerging Technologies
Electrical Vehicular Supply Equipment (EVSE) Electrical Chargers

• Implemented with the C730 Parking Structures Contract

• Satisfies California Green Standard Building Code (Cal Green)

• Buy America Provisions due to Federal Funding

SVBX Emerging Technologies
Electrical Vehicular Supply Equipment (EVSE) Electrical Chargers

• **Requirements:**
  • 2% minimum of the total garage inventory for preferred electric vehicle parking
  • Equip with 220 volt electric vehicle charging stations and required infrastructure
  • Locate this parking on Level 1 or Level 2 of each garage
  • Equip with power and conduit infrastructure for future expansion at 8% of spaces
  • 24 Charging Stations at each Parking Structure
SVBX Emerging Technologies

Charging station

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Intermittent Escalator – VTA’s Milpitas and Berryessa BART Stations
SVBX Emerging Technologies

BikeLink Bicycle Parking

WHAT IS BIKELINK?

• Software based on-demand secure bike parking

• VTA mimicking system utilized through BART and other transit systems

• BikeLink™ integrates smart technology with administrative procedures and access control systems

• BikeLink™ can be used as an operating system for eLockers™ and eRacks™
SVBX Emerging Technologies
BikeLink Bicycle Parking

HOW ON-DEMAND BIKE PARKING WORKS:

- The BikeLink™ Card is sold online at www.bikelink.org, by local facility owners, nearby businesses, or vending machines.
- The screen guides you through a very quick process to start your rental. It's like using a parking meter.
- Once there's time on the meter, the door opens. Put your bike inside, close the door, and walk away. Your bike remains secure even if the meter expires.
- Insert your card, get your bike, and get your refund for any unused time!

SVBX Emerging Technologies

BikeLink Storage Racks and Access Control Panel
Questions?

Discussion

Eileen Goodwin, Facilitator
Next Community Meeting

Public Hearing for BART Phase II SEIS/SEIR

Monday, January 30, 2017
San Jose City Hall, Rooms 118-120
200 East Santa Clara Street, San Jose

5:00 – 6:00 PM ~ Preview for CWG members only
6:00 – 8:00 PM ~ Public Hearing

Next Steps

- Next CWG meeting: Tuesday, February 7, 2017 ~ 4:00-6:00 PM,
  San Jose/SV Chamber of Commerce ~ BYOB
  - High Level Summary of Environmental Comments received in Draft SEIS/SEIR
  - Parking Management in the Diridon Specific Plan (City to present)
  - Marketing Plan Prior to the Start of Phase I Project
  - Discussion of Fare Setting Process for BART Phase I Project (BART and VTA staff to present)
  - Next Network Transit Redesign Update (including connecting new service to BART Phase I)
  - Measure B Update
  - CWG Next Steps
- Parking Validation
- Action Items