

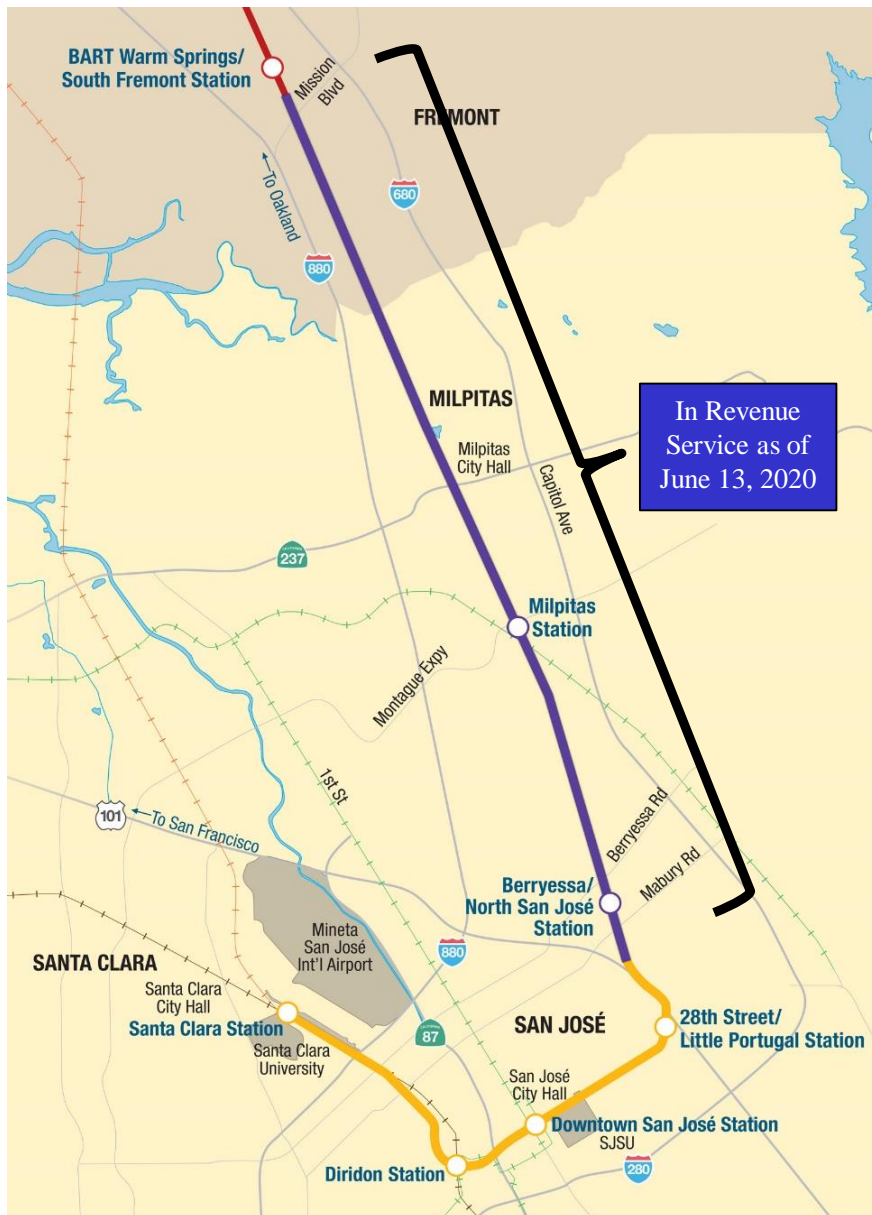


BART Silicon Valley Phase II Extension Project Update



*Board of Directors Presentation
September 10th, 2020*

BART Silicon Valley Phase I and II

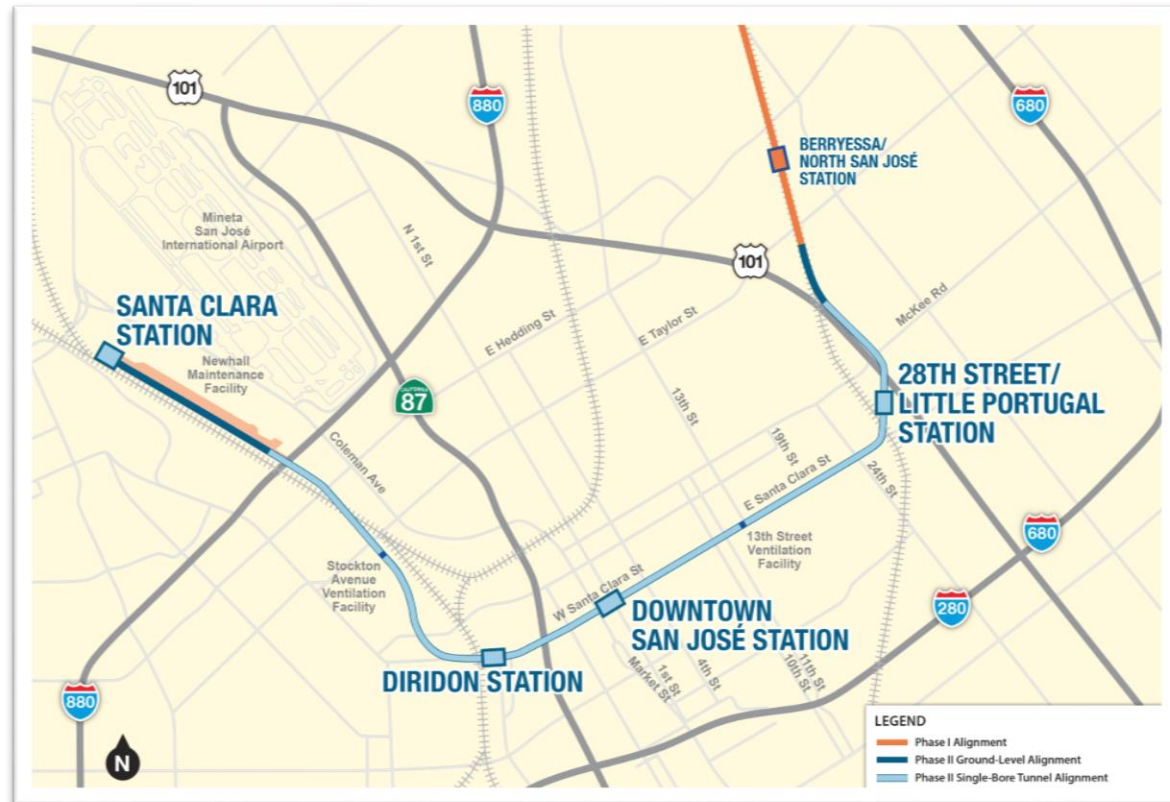


- *BART forces completing Punchlist Work for VTA (over 400 items in June but now under 30 items remaining)*

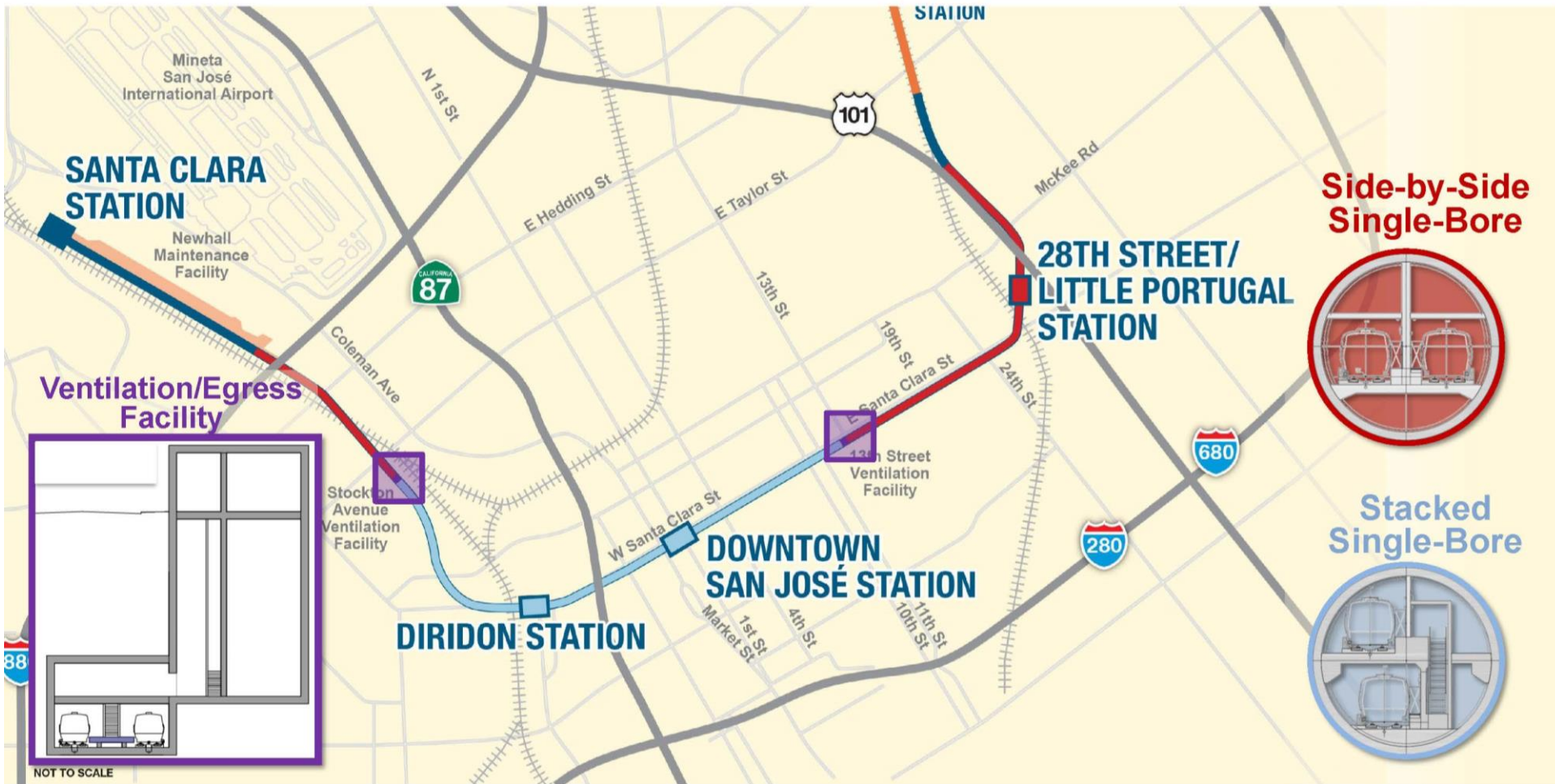


BART Silicon Valley Phase II - Highlights

- *6-mile extension:*
 - ~2.4 mile single-bore stacked
 - ~2.6 mile single-bore side-by-side
 - ~1 mile at-grade
- *4 stations:*
 - 3 underground
 - 1 at-grade
- *2 Mid-Tunnel Ventilation/Emergency Egress Facilities*
- *Newhall Yard Maintenance Facility (Critical element must be installed for operating extension)*



Phase 2 Project Configuration



FTA's Pilot Expedited Project Delivery (EPD) Program

- *Project scope, cost and schedule*
- *Financial Plan and funding sources*
- *Public-Private Partnerships and Project Delivery*
- *Project Justification*
- *Project Management and other key plans*



EPD Proposed Contracting Plan

| Contract No. | Title | Delivery Method* | General Scope |
|--------------|---|--------------------------------|---|
| 1 | Systems (Approx. contract value \$500M) | Design-Furnish-Install (DFI) | <ul style="list-style-type: none"> • All rail system elements |
| 2 | Tunnel & Trackwork (Approx. contract value \$2,000M) | Progressive Design-Build (PDB) | <ul style="list-style-type: none"> • Tunnel & trackwork • Mid-tunnel facilities • 28th Street/Little Portugal support of excavation • Utility relocations as required |
| 3 | Newhall Yard & Santa Clara Station (Approx. contract value \$500M) | Design-Build (DB) | <ul style="list-style-type: none"> • Yard & Maintenance Facility • Line & track • Santa Clara Station • 500 space parking garage • Utility relocations as required |
| 4 | Stations & Support Facilities (Approx. contract value \$1,000M) | Design-Build (DB) | <ul style="list-style-type: none"> • 28th Street/Little Portugal, Downtown and Diridon stations • 1200 space parking garage (28th Street/Little Portugal Station) • Adits • Utility relocations as required |

**Delivery methods under evaluation*

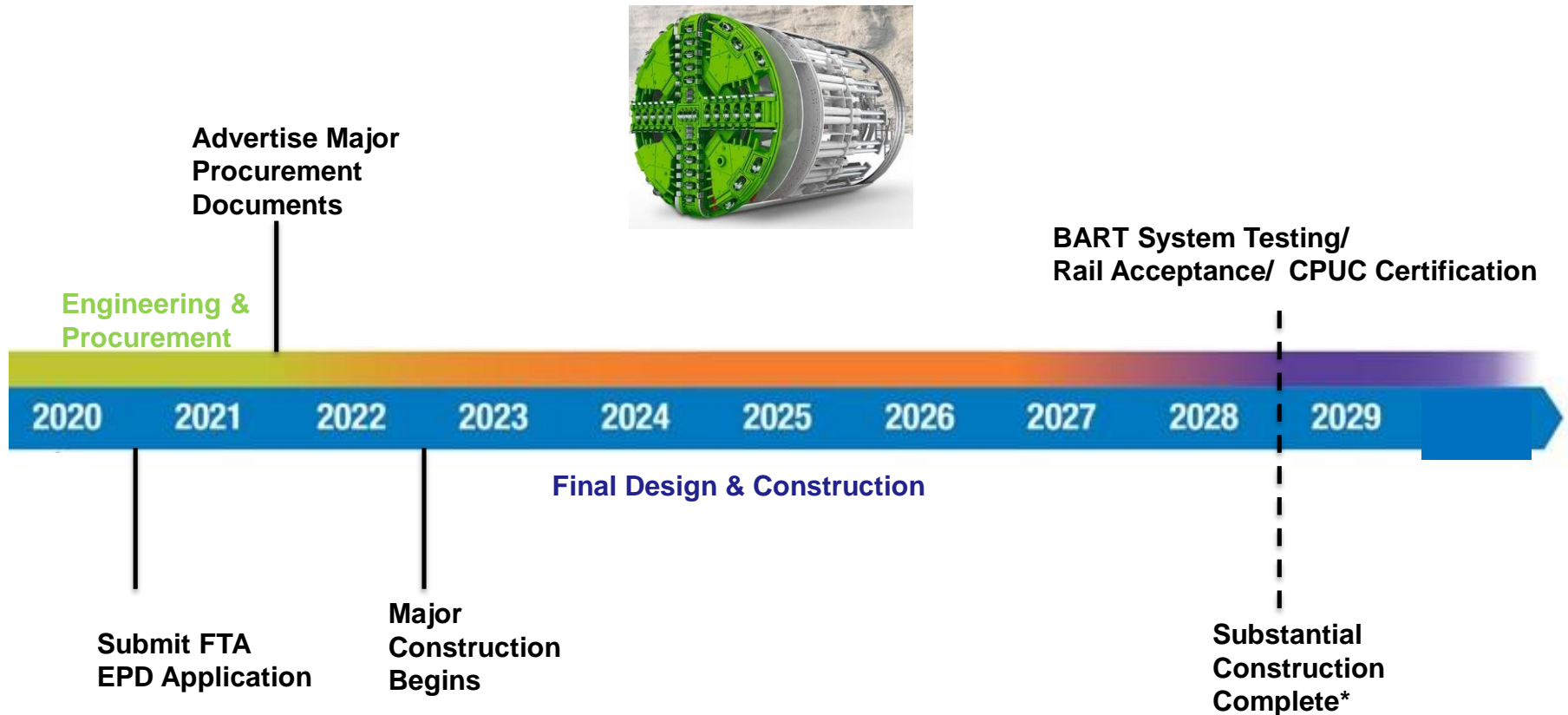


EPD Cost Estimate & Funding Plan

| FTA Standard Cost Category | Description | Estimate (\$M YOE) |
|----------------------------|---|--------------------|
| 10 | Guideway & Track Elements | \$1,525 |
| 20 | Stations, Stops, Terminals, Intermodal | \$1,593 |
| 30 | Support Facilities: Yards, Shops, Admin. Bldgs | \$275 |
| 40 | Sitework & Special Conditions | \$202 |
| 50 | Systems | \$471 |
| | Construction Subtotal: | \$4,066 |
| 60 | ROW, Land, Existing Improvements | \$318 |
| 70 | Vehicles | \$205 |
| 80 | Professional Services | \$1,256 |
| 90 | Unallocated Contingency | \$551 |
| 100 | Finance Charges | \$142 |
| | Subtotal: | \$6,538 |
| | Investment to Date: Legacy & Historical Costs (2003- 2020) (Environmental, Planning, Community Outreach, Project Management, Conceptual Engineering) | \$322 |
| | Total: | \$6,860 |

| Funding Source | Amount Year of Expenditure (YOE) \$ millions |
|---|--|
| Federal - FTA Expedited Project Delivery Grant (25%) | \$1,714 |
| Non-Federal (75%) | \$5,145 |
| State/TIRCP Grant | \$750 |
| State/TCRP Grant | \$161 |
| Transit Oriented Development/P3 | \$75 |
| 2000 Measure A Sales Tax | \$1,954 |
| 2016 Measure B Sales Tax | \$1,831 |
| Regional Measure 3 | \$375 |
| TOTAL SOURCES OF FUNDS | \$6,860 |

EPD Project Schedule



**Contingent on meeting projected procurement schedule*



FTA EPD Application Progress Update

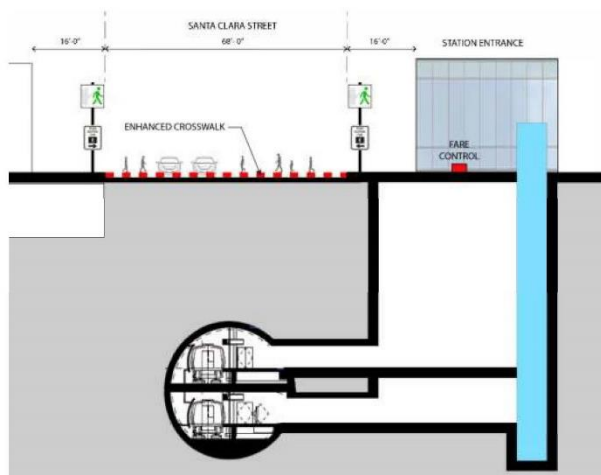
- *On July 28th, FTA issued the Notice of Funding Opportunity (NOFO) for the EPD Program*
- *On July 31st, FTA Region IX held a kick-off meeting with VTA, BART and their Project Management Oversight Consultant (PMOC) outlining future reviews on documents and risk assessments*
- *Ongoing VTA efforts on EPD:*
 - i. *Much of the supporting documentation is complete, but there are some items that VTA are updating or generating.*
 - ii. *Ridership forecast models to be re-run using FTA's proprietary the Simplified Trips-on-Project Software (STOPS) travel demand model, which is scheduled to be completed at the end of September.*
 - iii. *Critical Third-Party Agreements are not all executed yet, which is required for the application to be considered complete.*

Phase II Project Update

- *Key VTA and BART staff co-located to project office*
- *VTA's management continues working with professional service providers for development of an Integrated Work Program, streamlining and improving efficiencies of all necessary consultant support*
- *Technical Working Groups – BART, VTA and Engineering SME's to develop operational, maintenance and safety requirements for the four contracts*
- *VTA is also starting real estate acquisition process (with appraisals) for key properties*

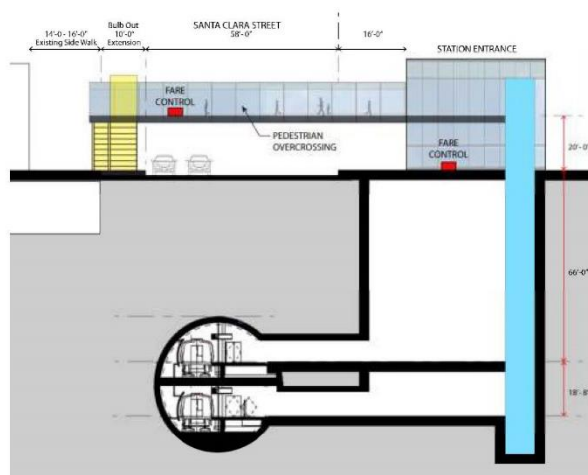


VTA's Proposed Plan on Entrance Concepts



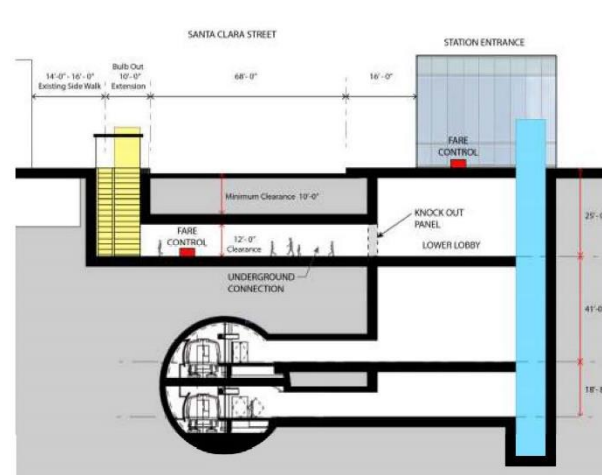
Concept 1:
At Street Level

- Minor public ROW impacts



Concept 2:
Above Street Level

- Public ROW impacts including sidewalks and parking spaces
- Environmental Considerations
- Cost and potential schedule implications (if part of Project)



Concept 3:
Below Street Level

- Public ROW impacts including sidewalks and parking spaces
- Environmental Considerations
- Cost and potential schedule implications (if part of Project)

DTSJ



BART's Entrance Priorities

1. *Passenger Experience and Benefit*
2. *Safe & Reliable Access (including ADA, bike, & pedestrian)*
3. *Operational Flexibility*
4. *Equal distribution of Passengers*
5. *TOD and other opportunities*

VTA's Proposed Plan on Entrance Concepts

1. *Obtain VTA Board of Director's feedback*
2. *Coordinate with the City of San Jose and BART*
3. *Obtain required approvals for separate project including any necessary environmental clearance*
4. *Advance engineering design to develop capital cost estimates*
5. *Identify funding sources*
6. *Receive VTA Board approval*



Next Steps



Summer 2020:

- Initiate development of procurement documents
- ***Prepare BART's operational, maintenance & safety requirements for each contract***
- Begin real estate acquisition process
- Per FTA recommendation, VTA is conducting a peer review with other agencies and FTA later in September



QUESTIONS?