Two Bridges
Challenges

- Regional context, many stakeholders
- Consensus on use of the SamTrans-owned rail ROW
- Consensus on highway bridge and approach improvements with regional partners
- $2.5 billion price tag
- Funding availability and P3 suitability
Purpose and Need

• **Purpose:** Examine existing transportation deficiencies and identify capital improvements and operational programs that enhance multi-modal mobility for local and regional travelers while minimizing impacts to the environment and surrounding communities.

• **Need:**
  - Jobs-housing imbalance
  - Lack of regional transportation connectivity, limited transbay travel options
  - Roadway congestion and lengthy travel times
Project Goals

- Enhance mobility
- Cost effectiveness
- Minimize environmental impacts, financial risk and maximize safety
- Protect local communities from adverse impacts
Outreach and Comments

• Outreach
  - 2 Stakeholder meetings
  - 4 Public meetings
  - Approx. 15 additional presentations

• Comments
  - Over 400 received via email, website, telephone, letter, at meetings, etc.
  - Desire for bicycle/pedestrian multi-use path
  - Concern regarding local impacts
  - Support for high capacity transit solutions
  - Responses provided in FAQ
• Final recommendations are consistent with the Draft except:
  − Bicycle/pedestrian multi-use path is not excluded at this time

• Key questions to answer in next phase:
  − What does it take to accommodate 3 modes in the ROW?
  − Is it possible to safely implement a shared bus and bicycle lane?
  − What are the operational impacts of constructing only one bus lane (instead of two), leaving room for a bicycle/pedestrian multi-use path?
Review of Final Recommendations
Recommendations 2020

• Expand Dumbarton Express bus including new routes to Menlo Park/Redwood City and Mountain View/Sunnyvale
• Approach improvements
• Impacts
  − $51m capital, $12m O/M
  − 34% increase in transit
  − Involved entities: AC Transit, ACTC, MTC, Caltrans, cities, etc.
• Bicycle/pedestrian multi-use path on ROW to be examined further
Recommendations 2025

• Improve the Highway Bridge and Approaches
  – One express lane in each direction
  – More approach improvements east and west bay (flyovers, grade separations, etc.)
  – Buses use ROW to US-101 flyover

• Rail service on the Rail Bridge
  – Rail Shuttle to Newark (double-tracked bridge)

• Impact
  – $1.8b capital, $44m O/M
  – Involved entities: Caltrain, UP, ACTC, MTC, Caltrans, STB, cities, etc.
• Further enhance Dumbarton Express bus service (greater frequencies)
• Extend rail service
  – Rail Shuttle from Newark to Union City
• Impact
  – $377m capital (in addition to $1.8b in 2025), $46m O/M
  – Involved entities: Caltrain, UP, ACTC, MTC, Caltrans, STB, cities, etc.
• Interline with Caltrain
• Better connect/coordinate with ACE, Capitol Corridor
• Impact
  – $327m additional capital, $38m O/M
  – ~23,300 daily transbay riders (270% increase) paired with enhanced bus service/express lanes on Highway Bridge
  – Involved entities: AC Transit, Caltrain, UP, ACE, Capitol Corridor, MTC, etc.
Path Forward
Where We Are Today

- March 2016: Feasibility Study
- August 2017: Final Outreach
- December 2017: Board Approval

MTC DAA of Short-Term Improvements
• Design Alternatives Assessment
  - October 2017 – April 2018
  - Further develop short-term strategies
  - Evaluate performance and feasibility
  - Advance recommendations to project development
  - Dumbarton Express operations plan and further Highway and approach improvements (including express lanes) analysis to likely follow
Early Actions

December 2017

March 2018

September 2018

April 2019

Board Approval

Technical Refinement: Rail Bridge and ROW Improvements

MTC DAA of Short-Term Improvements

Dumbarton Express Operations Analysis
• Rail Bridge and ROW Improvements:
  − Modes on ROW
  − Bike planning
  − Standard gauge rail technologies
  − Rail operations
  − Determine appropriate next steps, including processes, stakeholders, schedule and budget
**P3 Analysis**

- Assess financial feasibility and risks
- Procurement approaches
- Value for money analysis
- Focus on rail analysis, consider express lanes following MTC DAA
Comments/Questions