













Goals For Tonight's Meeting

- Provide project update
- Obtain input regarding:
 - Three Concepts
 - Alma Street/Burgess Park Connections
 - Ramp and Stair Layouts
- Answer questions
- Obtain recommendation to City Council













Background/History

2009: Middle Avenue selected as preferred crossing location

2012: Middle Avenue crossing location adopted by City Council in the El Camino Real/Downtown Specific Plan

2016: San Mateo County Transportation Authority (SMCTA) programmed funds for the project

March 14, 2017: Scope approved by City Council





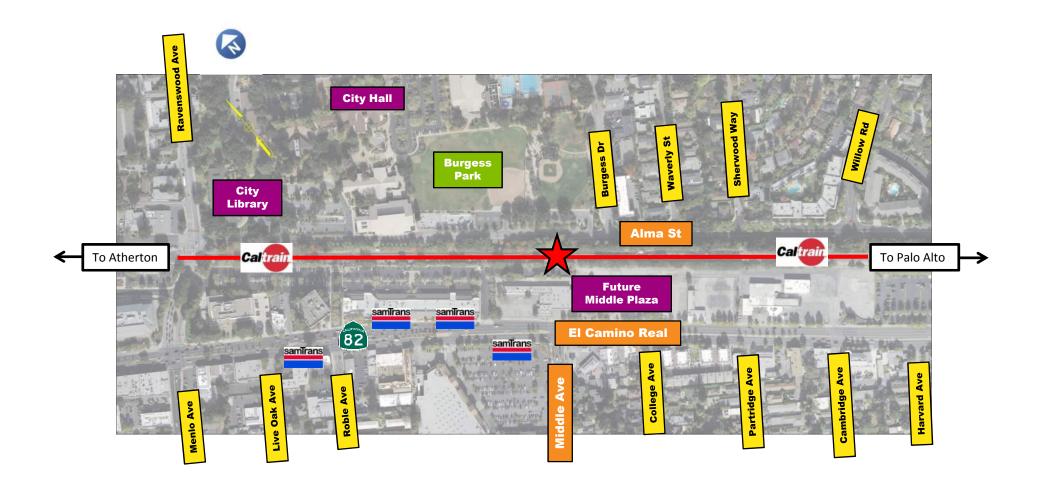








Project Area Map















Project Goals

Improve Mobility

- Reduce travel times
- Improve east/west bicycle and pedestrian connectivity

Enhance Safety

Provide alternative to busy streets

→ Encourage Other Modes of Travel















Community meeting #1 May 4, 2017

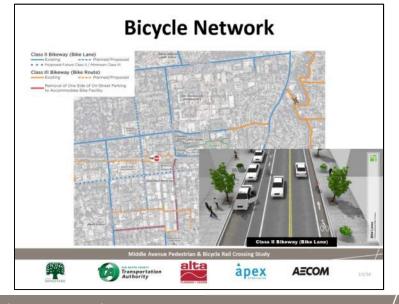
Crossing Types

- Undercrossing
- Overcrossing
- Majority support undercrossing



Feedback Received

- New Crossings on Alma Street
- Bike Lane on Middle Avenue
- Improvements to El Camino Real/ Middle Avenue Intersection















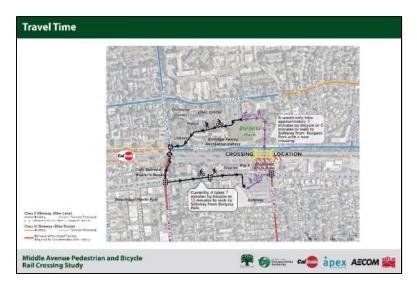
Community meeting #2 May 13, 2019

Undercrossing concepts

- Construction methods
- Tunnel location
- Stair and ramp layouts

Feedback Received

- Preference for shallower tunnel
- Ensure bike and pedestrian safety on ramps
- Connections on both sides

















Design Constraints/Considerations

- Accessibility
- Right-of-Way Impacts
- Utility Impacts
- Geometric Design Requirements
- Constructability
- Railroad Operations
- Trees/Landscaping
- Cost







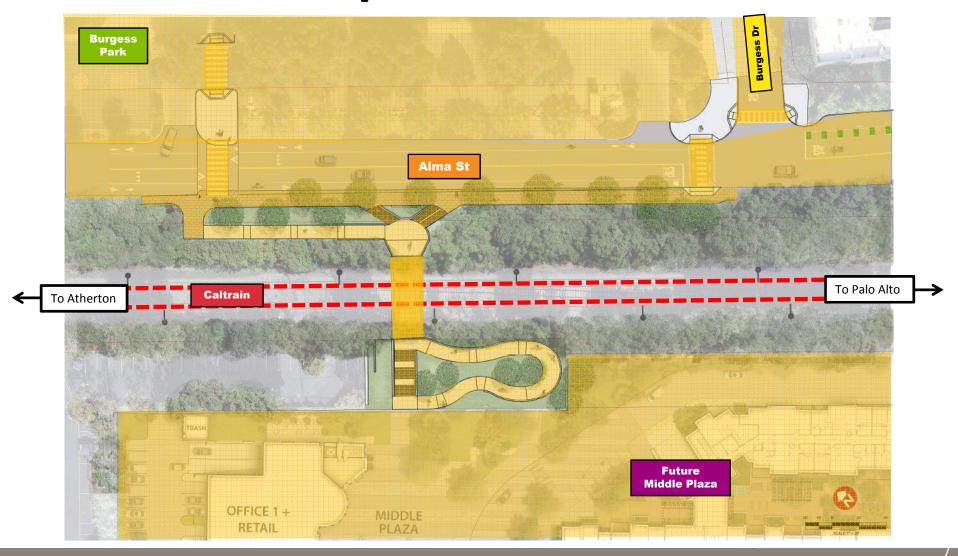








Concept 1 – Plan View







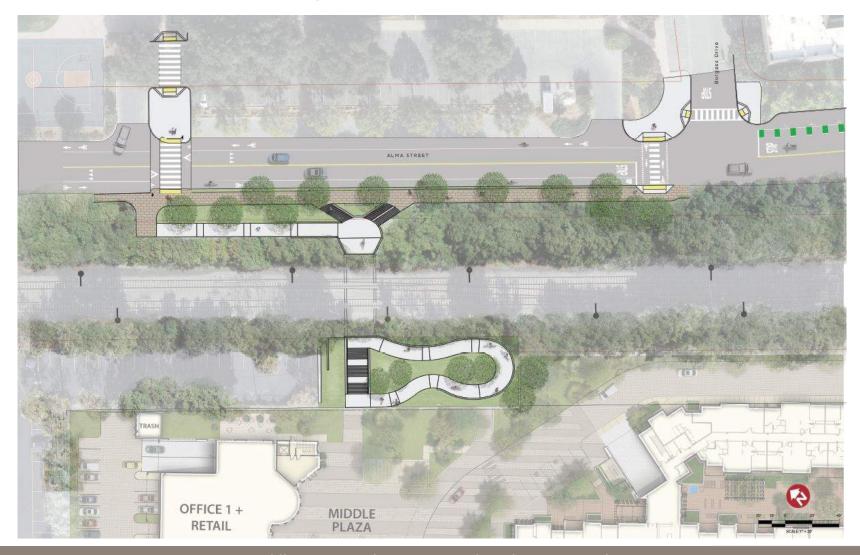








Concept 1 – Plan View















Concept 1 – 3D Rendering

(West side - looking south)















Concept 1 – 3D Rendering

(East side - looking west)







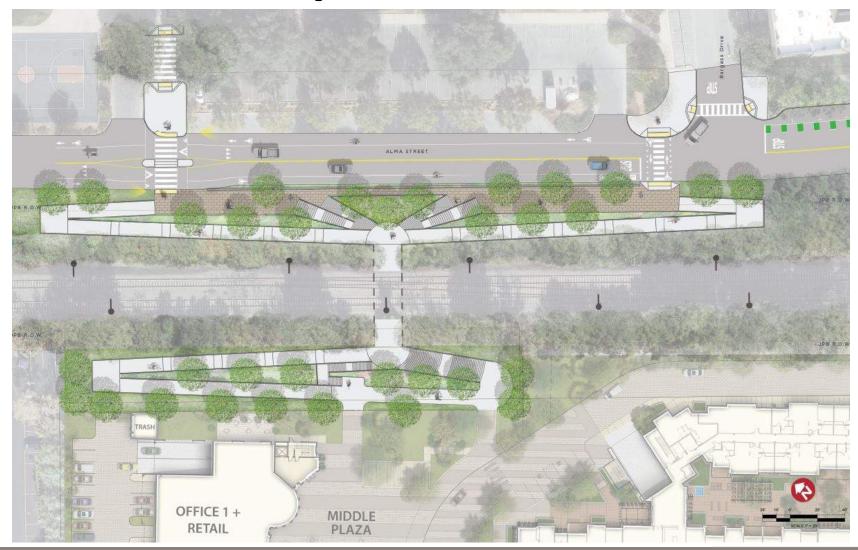








Concept 2 – Plan View















Concept 2 – 3D Rendering

(West side - looking north)















Concept 2 – 3D Rendering

(West side – looking south)







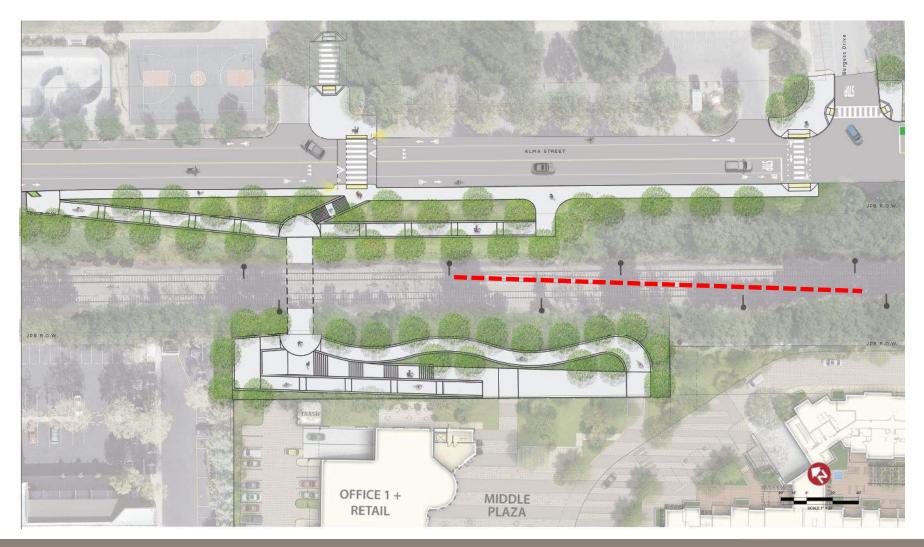








Concept 3 – Plan View















Concept 3 – 3D Rendering

(West side - looking north)















Concept 3 – 3D Rendering

(East side - looking north)















Stair and Ramp Options

Stairs

- On Diagonal
- Straight
- 90 or 180 degree Turns





Ramps

- Curvilinear
- Straight
- 90 or 180 degree Turns























Cost Estimate Summary

Concept	Cost
1	\$20-25M (\$14-18M)
2	\$35-40M
3	\$20-25M

Cost Includes:

- Construction
- Utility Relocations
- Right-of-Way Acquisition
- Support Costs for:
 Design Services & Construction Management
- Escalation to 2022
- Red costs are after Value Engineering













Next Steps

Complete
Streets
Commission
Meeting
(July 10, 2019)

City Council Selection of Preferred Concept (August 27, 2019)

Prepare Environmental and 30% Plans (Fall 2019)

Grant Deadline(February 2020)

Project Opening Goal (2022)













Commission Actions

- Provide feedback
 - Stairs and ramps, locations and quantity
 - Tunnel location
 - Other considerations
- Make recommendation to City Council
 - Staff recommendation: select concepts 1 and 3 to advance













Questions?

For More Information:

Visit Us at: http://www.menlopark.org/MiddleCrossing

Email Us at: transportation@menlopark.org











