

Bicycle Pedestrian Commission
Agenda Item #4
November 16, 2022



CUPERTINO

LAWRENCE-MITTY PARK AND TRAIL PLAN



Bicycle Pedestrian Commission Meeting
Design Alternatives & Community Input

November 16, 2022

Lawrence-Mitty Project Team

City of Cupertino

Capital Improvement Project Team

Parks and Recreation Department

MIG (Design Consultant)



Today's Agenda

- **Project Overview**
- **Design Alternatives**
- **Community Input**
- **What's Next & Discussion**

PROJECT OVERVIEW

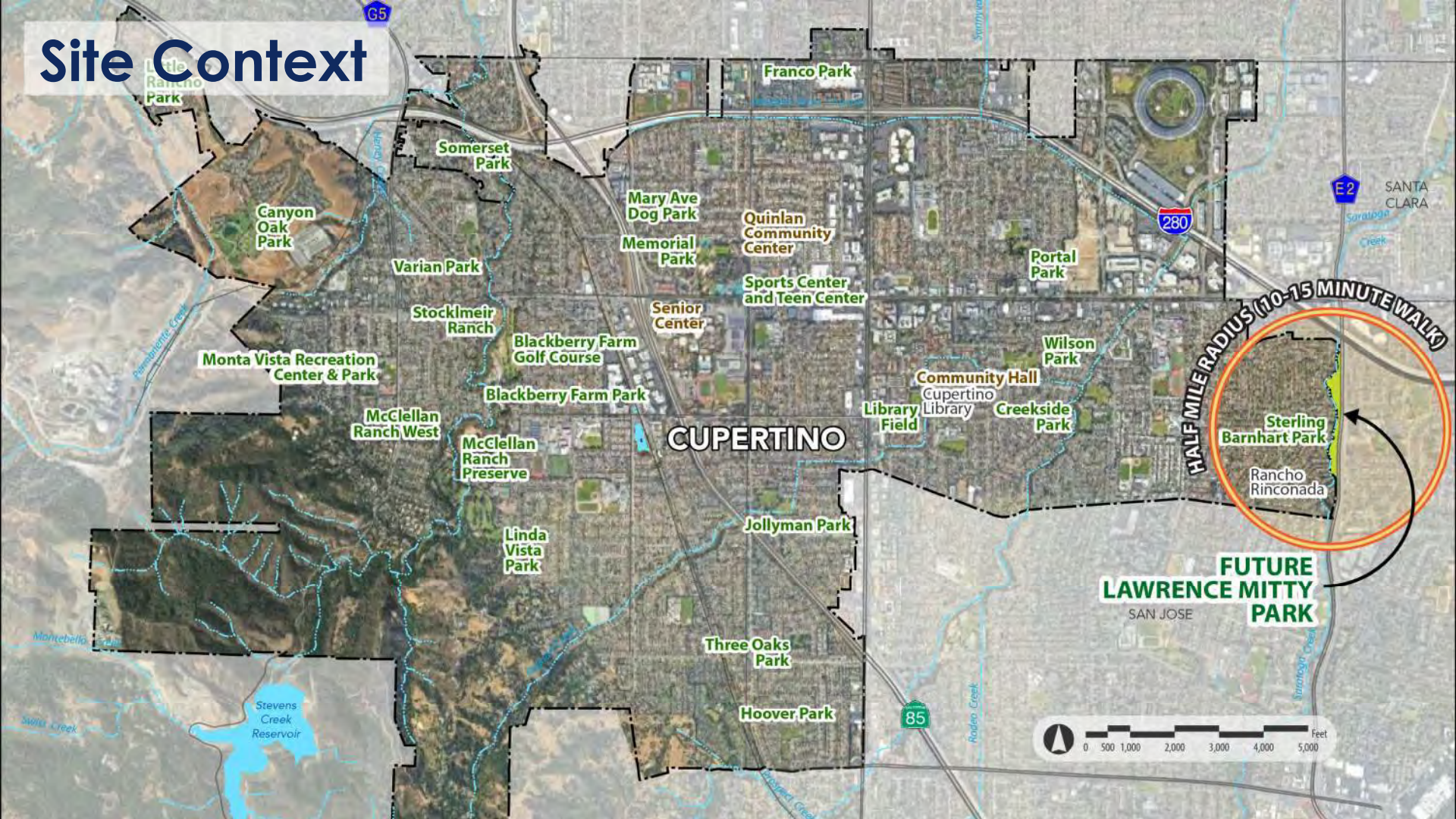
Project Phases

2022

2023



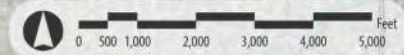
Site Context



CUPERTINO

HALF MILE RADIUS (10-15 MINUTE WALK)

**FUTURE
LAWRENCE MITTY
PARK**
SAN JOSE



Lawrence-Mitty Park and Trail Site



Phase 1: Conduct Technical Site Analysis

Environmental Summary Report

- Citywide Goals and Regulations
- Topographic Survey
- Circulation and Access
- Noise Reduction
- Existing Utilities, Easements, and Setbacks
- Soil Assessment
- Stormwater and Hydrology
- Biological Resources
- Trees and Planting
- Opportunities and Constraints

Phase 2: Develop a Community Vision

Top Community and Comfort Features



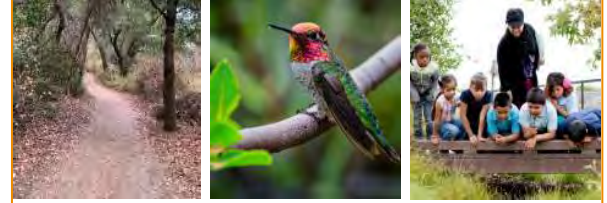
- Shaded Areas
- Walking Paths
- Restroom
- Seating

Top Recreation Features



- Nature Play
- Things to Climb
- Fitness Equipment

Top Wildlife, Nature, and Education Features



- Nature Trails
- Native Plants to Enhance Wildlife
- Creek Overlook

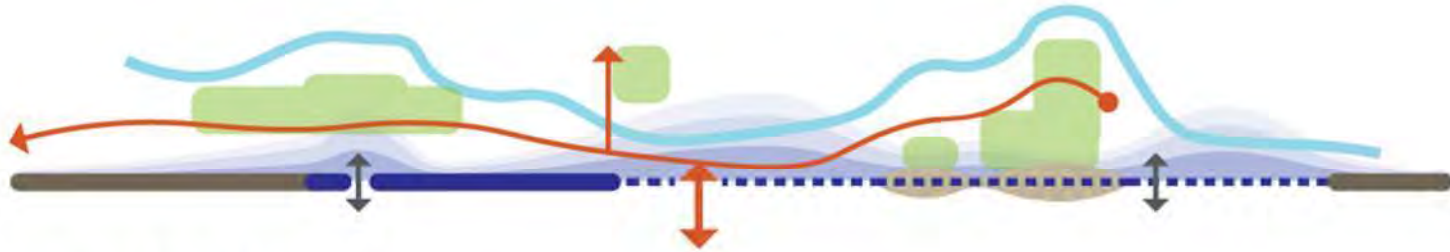
DESIGN ALTERNATIVES

Features Included in All Design Options



- An emphasis on biking, walking, play, nature, and the creek.
- Multi-Use Trail Extension
- Comfort and Safety Features
- Increased Trees and Vegetation

CONCEPT A: WHEEL FUN



Bicycles and Fitness

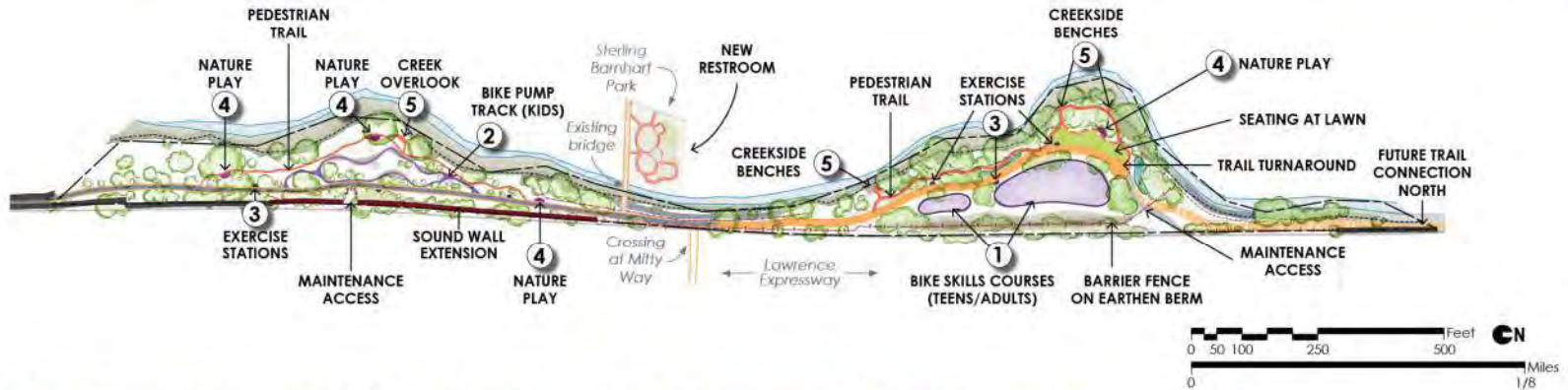
- Bike Skills Courses (teens and adults)
- Bike Pump Track (young kids)
- Simple Fitness Stations
- Small Nature Play Elements Along the Trail
- Creekside Bench Overlooks
- New Restroom at Sterling Barnhart Park



LAWRENCE-MITTY PARK AND TRAIL PLAN

CONCEPT A: WHEEL FUN

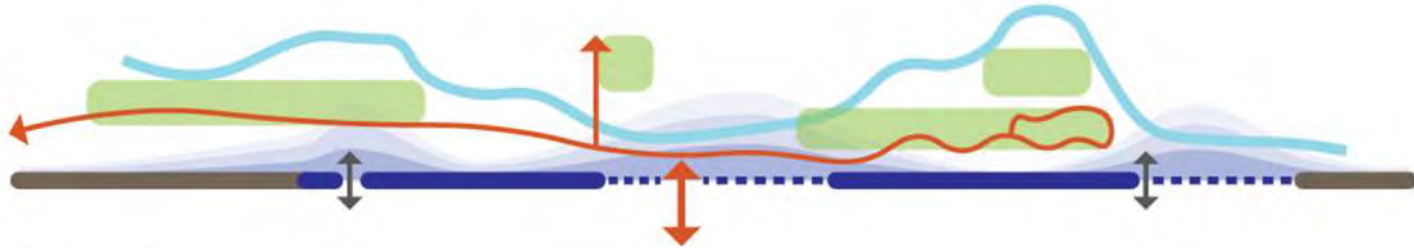
Bicycles and Fitness



MAP LEGEND

- Saratoga Creek
- Lawrence-Mitty Park Boundary
- Tree Canopy
- Proposed Bioswale Planting
- Proposed Lawn Area
- Proposed Recreation Feature
- Protective Fencing
- Proposed Sound Wall Extension
- Existing Sound Wall
- Existing Multi-Use Trail
- Existing Pedestrian Route
- Proposed Multi-Use Trail
- Proposed Pedestrian Route
- Future Trail Connection

CONCEPT B: STORY TRAIL



Nature, Trails, and Interpretive Features

- Interpretive Features Along the Trails
- Creekside Deck Overlook
- Nature Play Areas
- Dry Creek and Expanded Natural Areas



LAWRENCE-MITTY PARK AND TRAIL PLAN

CONCEPT B: STORY TRAIL

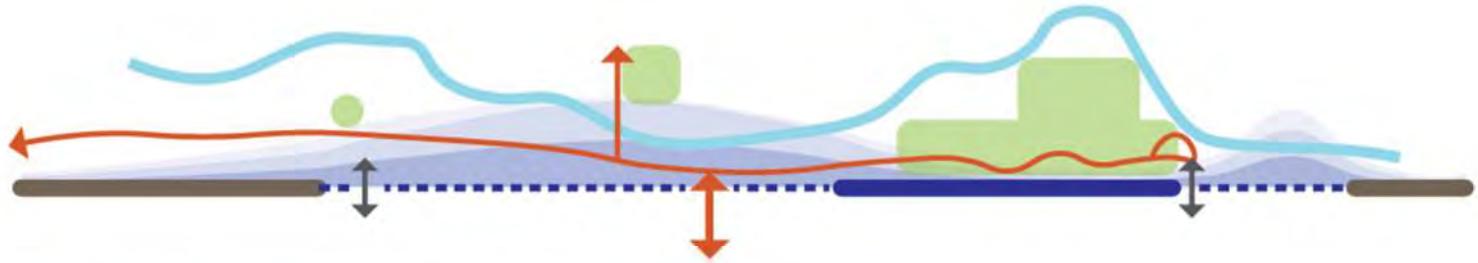
Nature, Trails, and Interpretive Features



MAP LEGEND

- Saratoga Creek
- Lawrence-Mitty Park Boundary
- Tree Canopy
- Proposed Blosswale Planting
- Proposed Lawn Area
- Proposed Recreation Feature
- Protective Fencing
- Proposed Sound Wall Extension
- Existing Sound Wall
- Existing Multi-Use Trail
- Existing Pedestrian Route
- Proposed Multi-Use Trail
- Proposed Pedestrian Route
- Future Trail Connection

CONCEPT C: PLAY IT UP



Play, Fitness, and Flexible Open Space

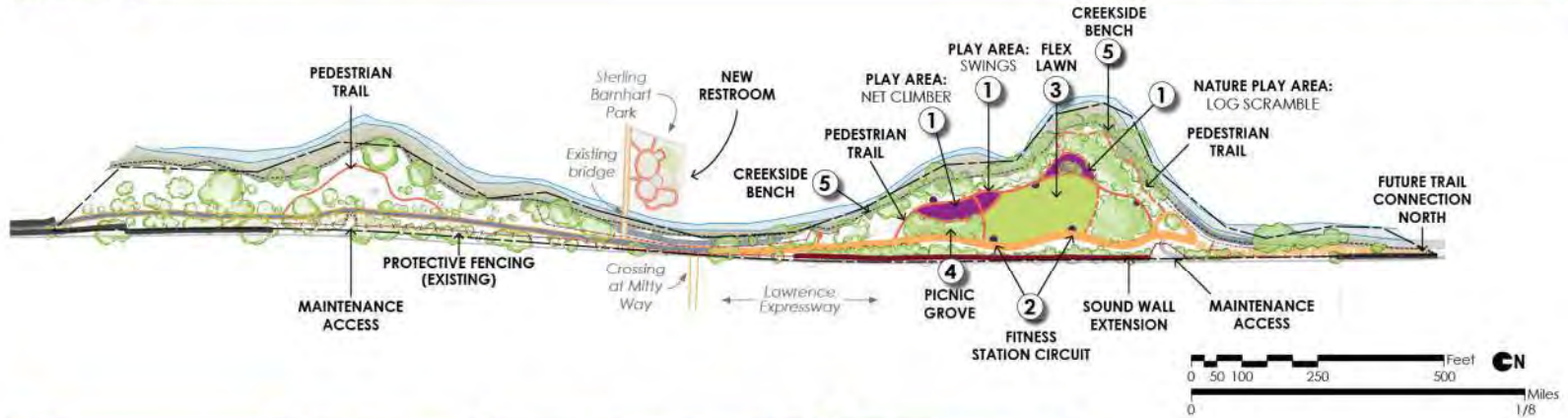
- Play Areas
- Fitness Station Circuit
- Flexible Lawn Space
- Picnic Grove
- Creekside Bench Overlooks
- New Restroom at Sterling Barnhart Park



LAWRENCE-MITTY PARK AND TRAIL PLAN

CONCEPT C: PLAY IT UP

Play, Fitness, and Flexible Open Space



MAP LEGEND

- Saratoga Creek
- Lawrence-Mitty Park Boundary
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- Proposed Lawn Area
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- Protective Fencing
- Proposed Sound Wall Extension
- Existing Sound Wall
- Existing Multi-Use Trail
- Existing Pedestrian Route
- Proposed Multi-Use Trail
- Proposed Pedestrian Route
- Future Trail Connection

COMMUNITY INPUT

CONCEPT A: WHEEL FUN



CONCEPT B: STORY TRAIL



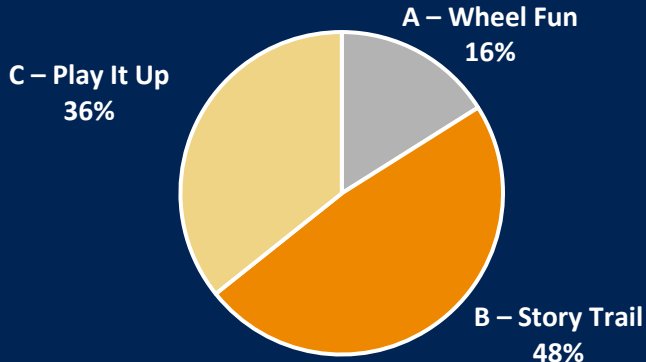
CONCEPT C: PLAY IT UP



70 participants (approx.)

Who: more families with younger children and teenagers

Preferred Concept



Library Pop-Up Event

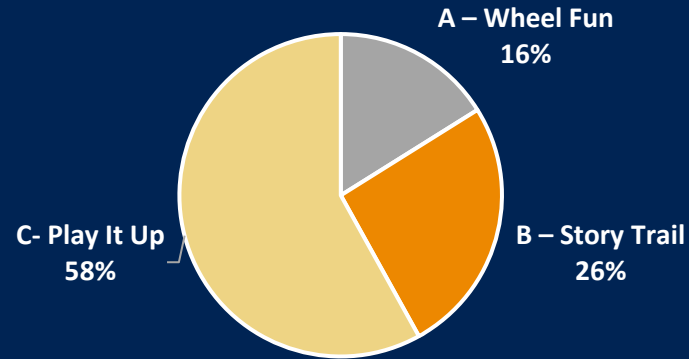
October 8, 2022



73 participants (approx.)

Who: more local neighbors,
trail users, and Sterling-
Barnhart Park users

Preferred Concept



Drop-in Site Visit

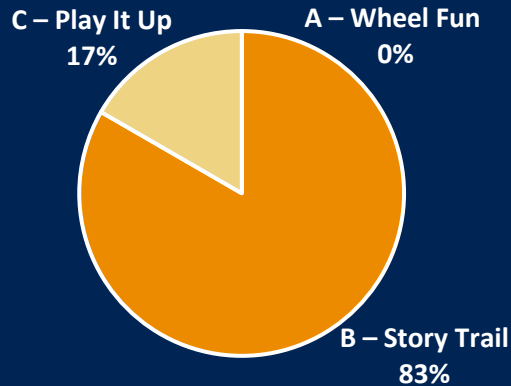
October 15, 2022



7 community members

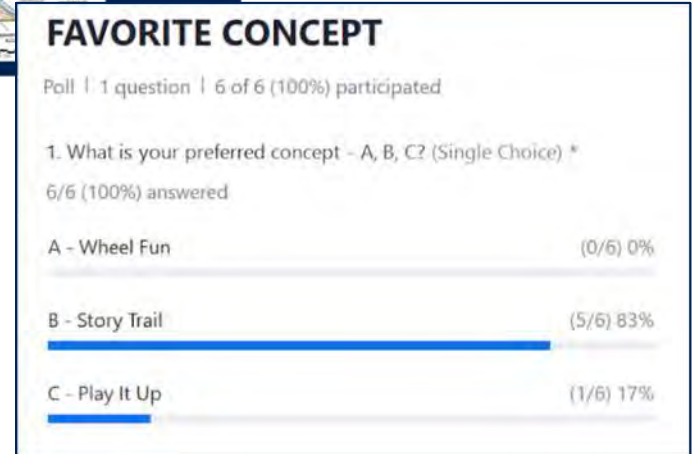
Who: several who also came to in-person events

Preferred Concept



Virtual Community Meeting

October 17, 2022



371 responses

78% live in Cupertino

Of total responses...

23% live within the **Rancho Rinconada** neighborhood

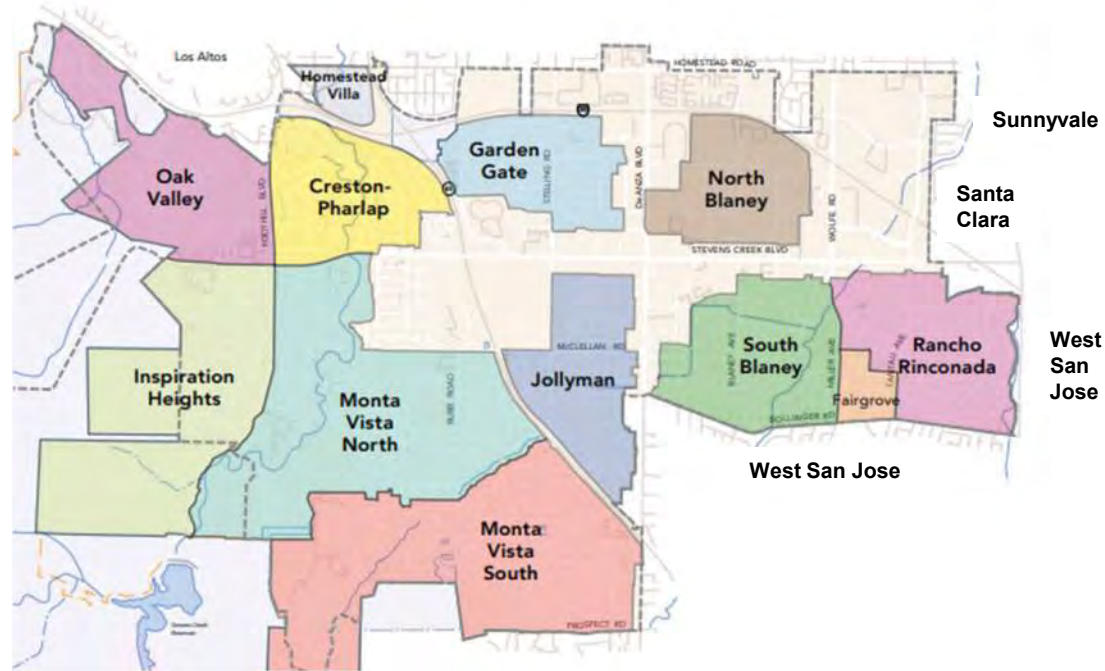
1% live within the **Fairgrove** neighborhood

6% live within the **South Blaney** neighborhood

10% live within the **West San Jose** neighborhood

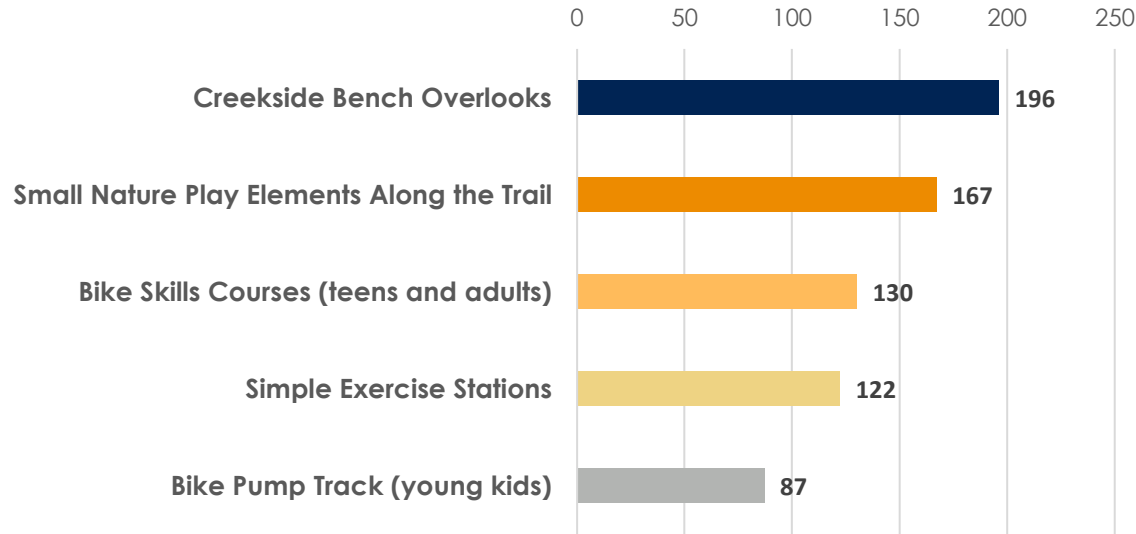
Online Survey

October 2022



Online Survey Summary

Q1 Top Two Favorite Features: Concept A – Wheel Fun

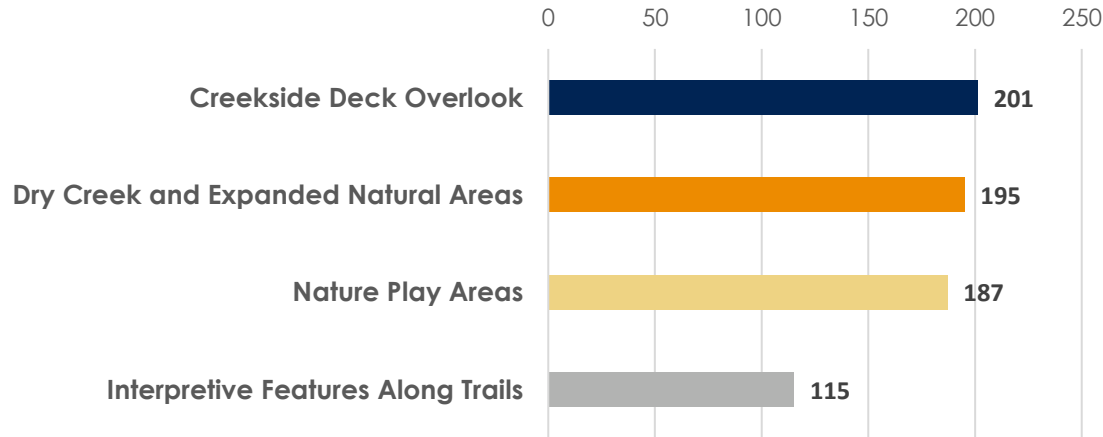


Mandatory Question (371 response(s))

Question type: Checkbox Question

Online Survey Summary

Q2 Top Two Favorite Features: Concept B – Story Trail

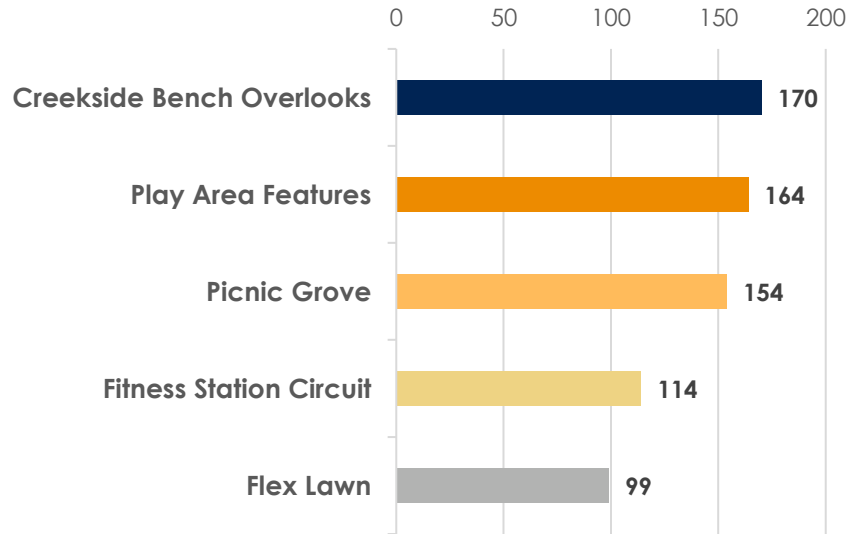


Mandatory Question (371 response(s))

Question type: Checkbox Question

Online Survey Summary

Q3 Top Two Favorite Features: Concept C – Play It Up



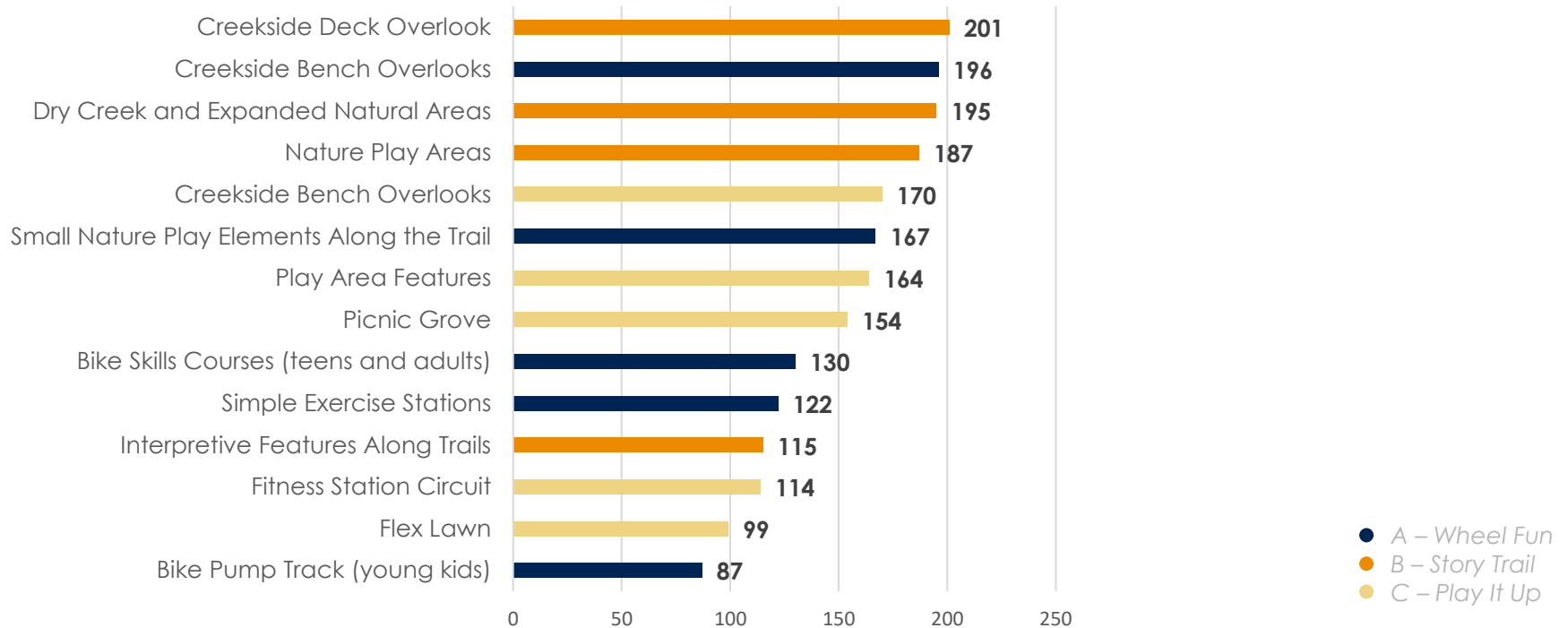
Mandatory Question (371 response(s))

Question type: Checkbox Question



Top Two Favorite Features

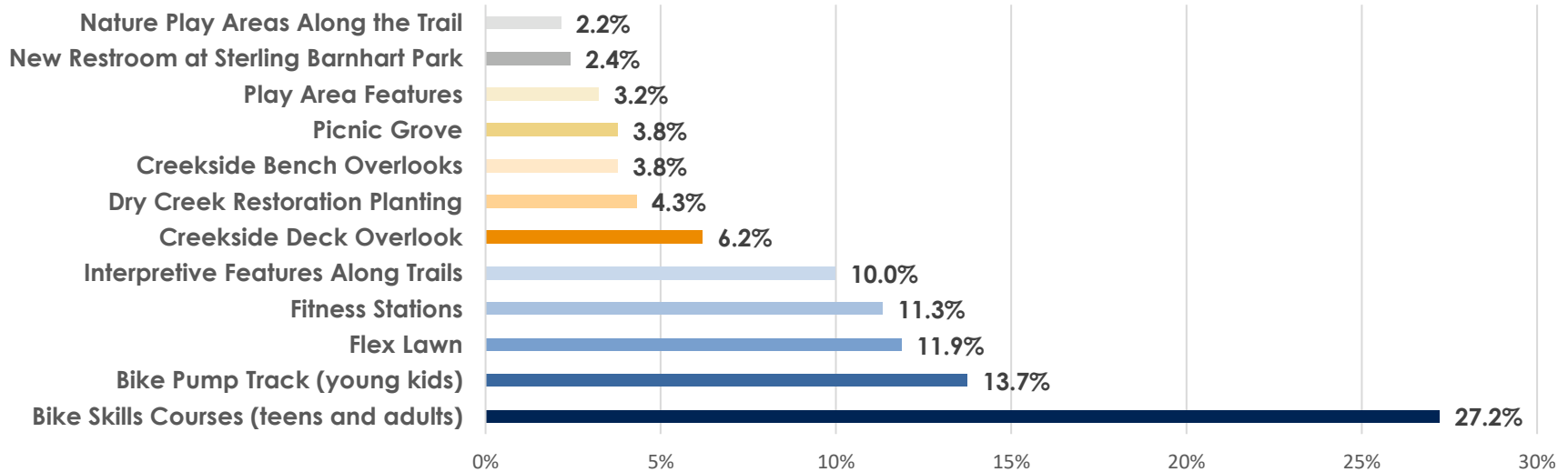
Online Survey Total Votes Side by Side Comparison



Online Survey Summary

Q4 Cost and space limitations do not allow for all features from the three concepts to be included.

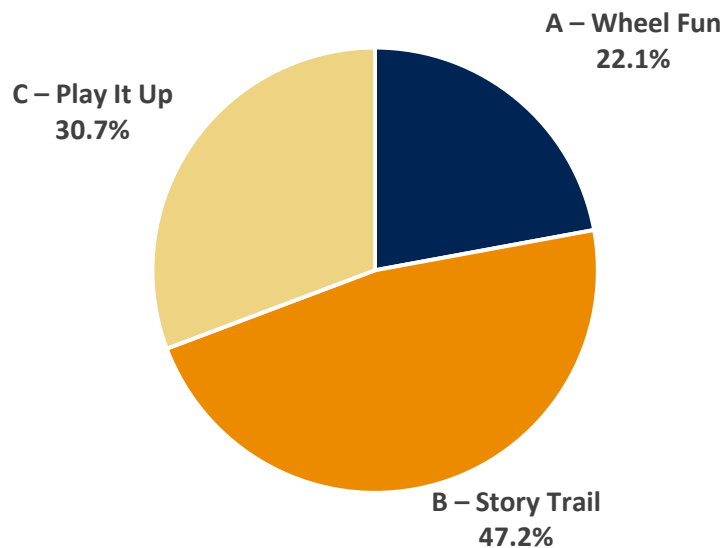
Which feature is *least* important to you?



Mandatory Question (371 response(s))
Question type: Radio Button Question

Online Survey Summary

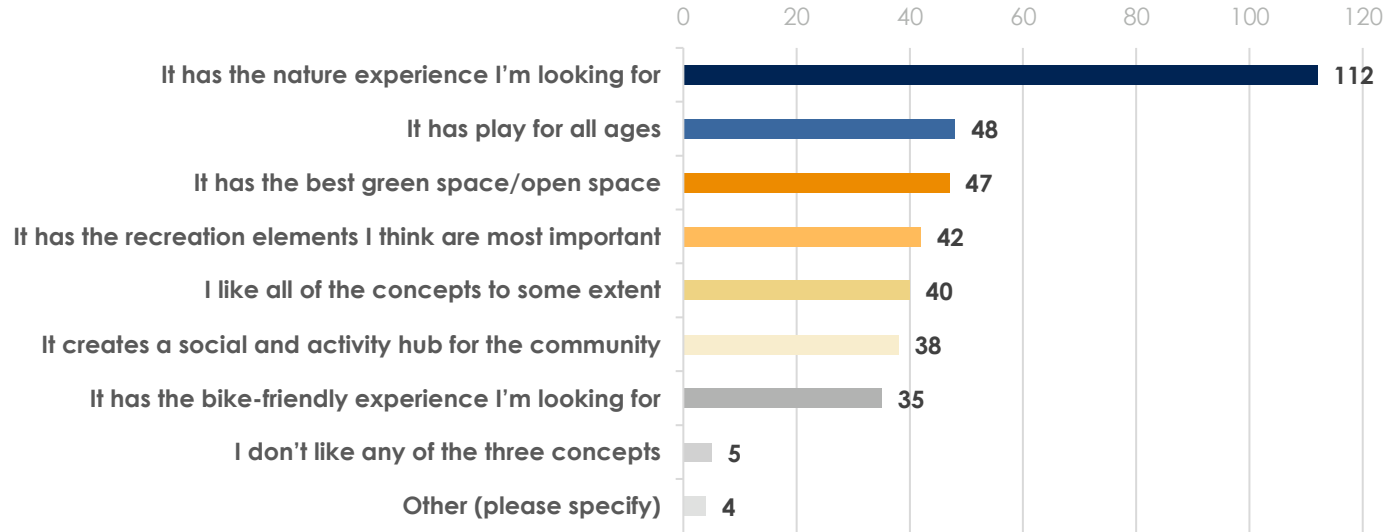
Q5 What is your preferred concept – A, B, C?



Mandatory Question (371 response(s))
Question type: Radio Button Question

Online Survey Summary

Q6 What do you like most about your preferred concept?



Mandatory Question (371 response(s))

Question type: Radio Button Question

Online Survey Summary

Q7 There are cost tradeoffs in the concepts.

What do you think is *most important* to include in the final design?

Most important to include:

- **41%** Restroom
- **26%** As many recreation features as possible
- **20%** As much sound wall as possible
- **12%** Features on the southern half



Rancho Rinconada Neighborhood Participants

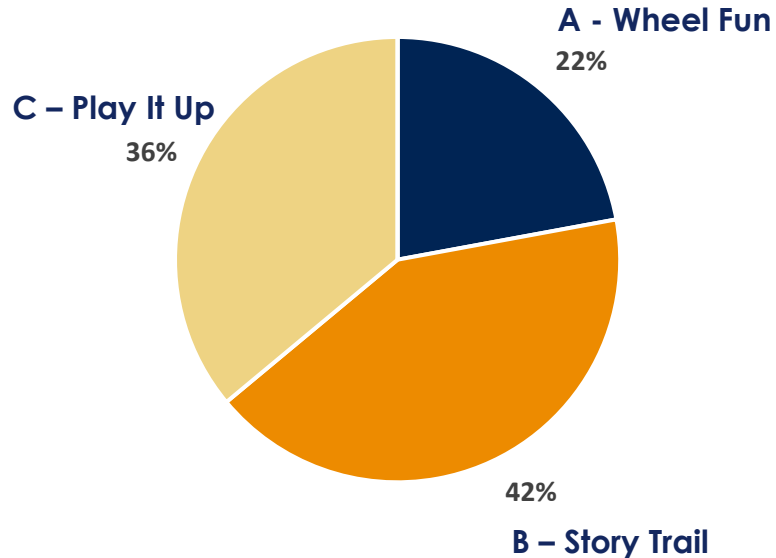
Q7 Cost Tradeoffs

Most important to include:

- **30%** As much sound wall as possible
- **29%** As many recreation features as possible
- **23%** Restroom
- **17%** Features on the southern half

Mandatory Question (86 response(s))
Question type: Radio Button Question

Q5 Preferred Concept



Online Survey Summary

Q8 Anything else you'd like to share?

Concerns

- Parking
- Encampments
- Graffiti, vandalism, safety
- Conflicts between bikes and other users
- Preserving south end as quiet/passive space
- Sound wall reducing visibility/safety

Ideas / Solutions

- Minimize parking issue by creating a bike-oriented destination with supporting features (restroom, water fountain)
- Tables/benches/resting near play areas
- Prioritize natural areas, planting

*Optional question (103 response(s), 268 skipped)
Question type: Essay Question*



Summary: Preferred Concept

Preferred Concept Voting Combined Event Totals

CONCEPT A: WHEEL FUN



CONCEPT B: STORY TRAIL



CONCEPT C: PLAY IT UP



■ Library Pop-Up ■ Site Visit ■ Virtual Meeting ■ Online Survey



Summary: Preferred Concept

Preferred Concept Voting Combined Event Totals

CONCEPT A: WHEEL FUN



CONCEPT B: STORY TRAIL



CONCEPT C: PLAY IT UP

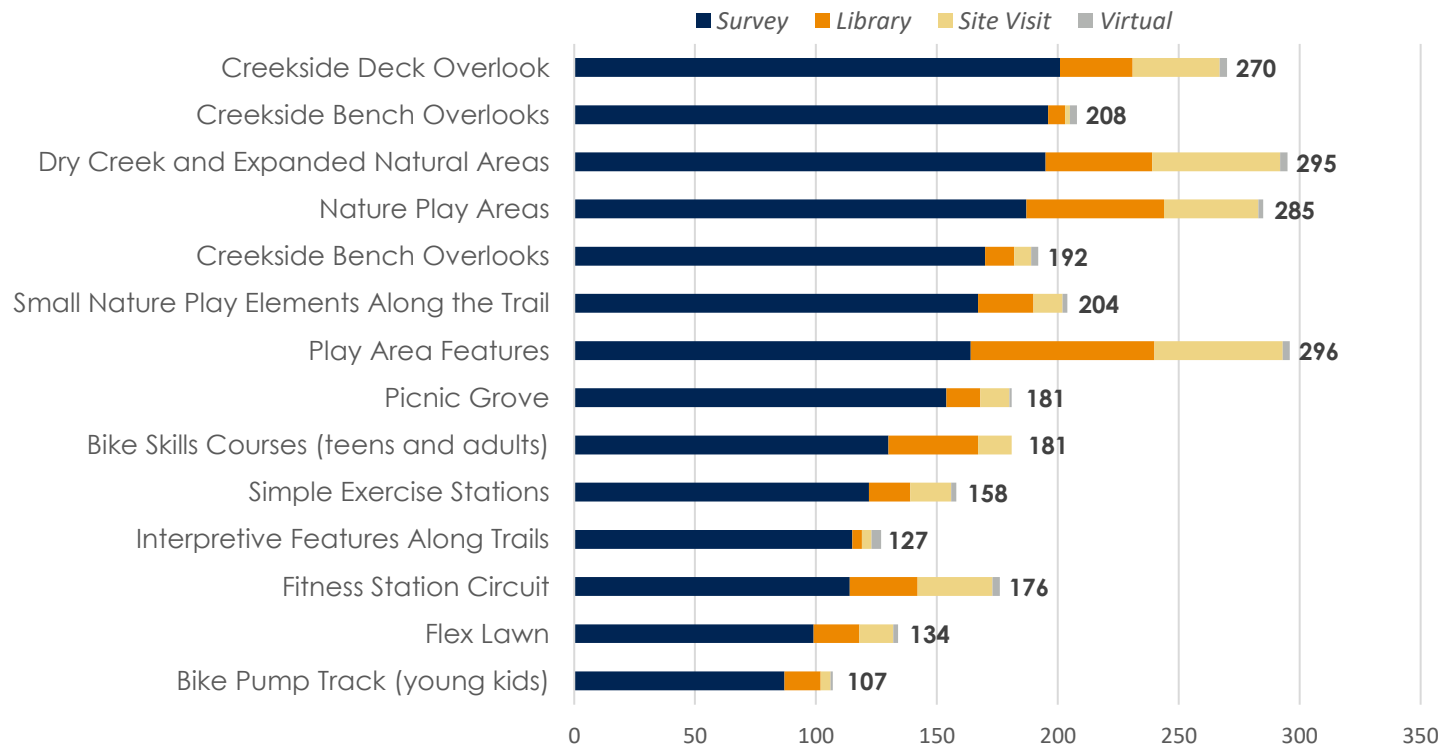


■ Library Pop-Up ■ Site Visit ■ Virtual Meeting ■ Online Survey



Summary: Top Two Favorite Features

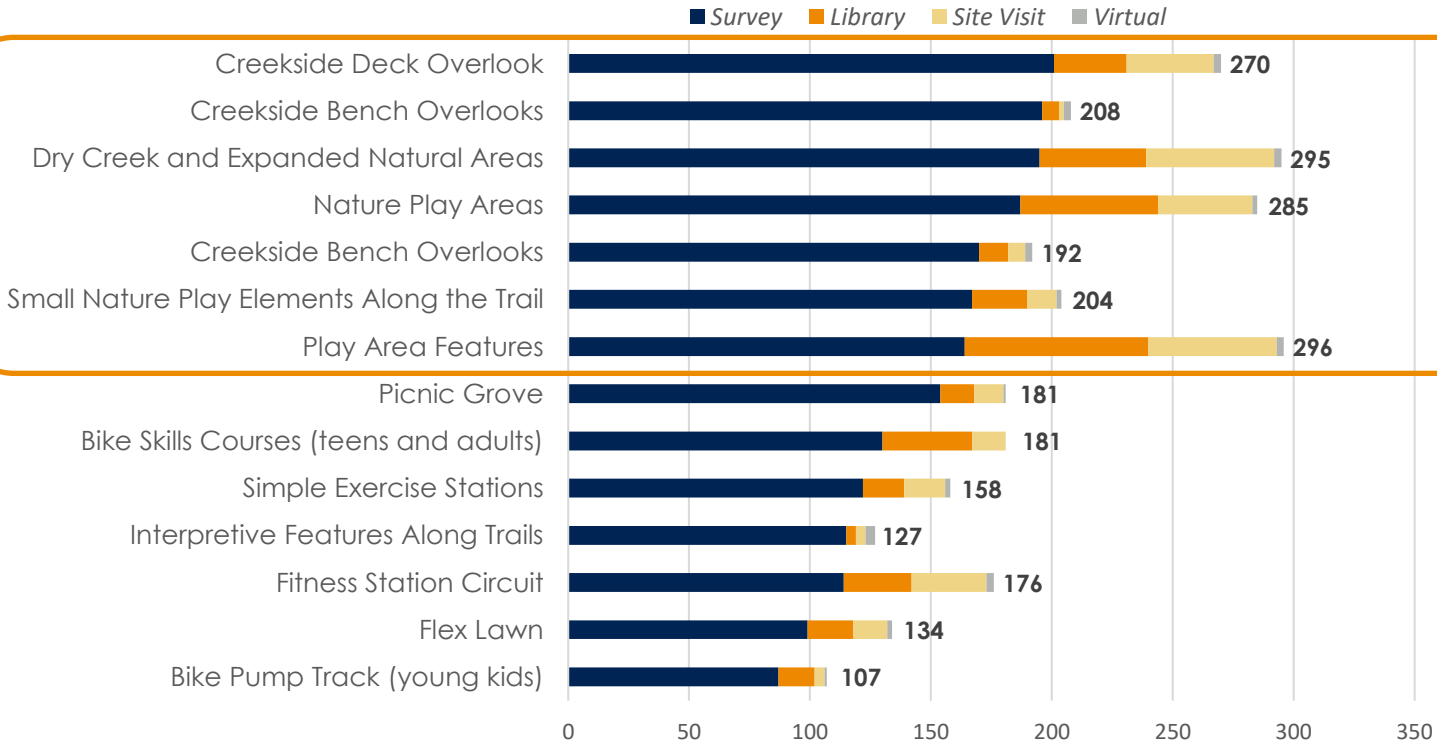
All Community Feedback Total Votes Side by Side Comparison





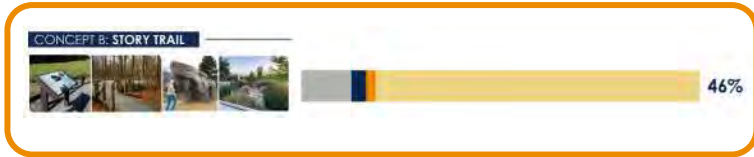
Summary: Top Two Favorite Features

All Community Feedback Total Votes Side by Side Comparison





Direction for Final Concept Plan



Community Priorities From Top Concept (Story Trail)

- Connecting with nature
- Opening views to the creek



Additional Community Priorities

- Play for all – variety of recreation opportunities for all ages, abilities, range of user groups
- Supporting an interconnected recreation system, future connections
- Social and resting spaces
- Restroom

WHAT'S NEXT

Design Process



DISCUSSION





EXTRA BACKGROUND SLIDES

Project Phases



Site Opportunities

RECREATION

- (South) Small open spaces for passive recreation or creek overlooks
- Existing trail and park amenities
- Existing small neighborhood park with play area and pedestrian bridge
- (North) Large open space for a range of recreation opportunities
- Connections to existing trail, Sterling Barnhart Park, Rancho Rinconada Pool, nearby schools

CREEK

- Views to the creek possible with berm and soil pile removals
- Potential collaboration with schools for environmental education opportunities

NOISE










- Reduced noise level at sound walls
- Lower noise levels far from expressway

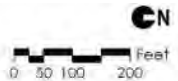
SOIL

- Removal of soil piles (construction debris)
- Reduction of impervious surface, improving creek health



MAP LEGEND

- | | |
|---|--|
|  Saratoga Creek |  Tree Root Protection Zone |
|  Lawrence-Mitty Park Boundary |  Existing Sound Wall |
|  Existing Trees |  Open Space for Recreation |
|  Existing Saratoga Creek Trail |  Soil Piles for Removal |
|  Existing Bike/Pedestrian Route | |



Site Constraints

ACCESS AND RECREATION

- Limited parking (on-street only)
- No current bike/pedestrian connection north

CREEK

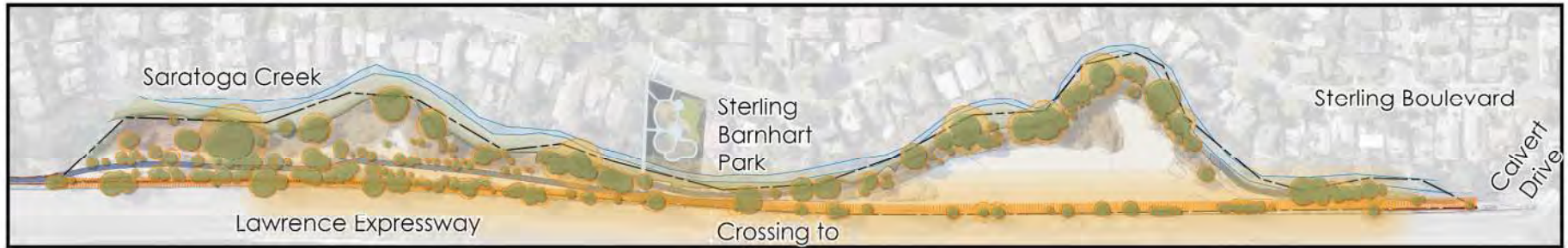
- Saratoga Creek constraints: environmental agency regulations, no development below top of bank, limited tree removal
- Utility coordination required with San Jose (water, sewer, stormwater)
- Steep creek edge with stepped gabions

NOISE

- Limited visibility at sound walls
- Maintenance/emergency access points from expressway impact potential noise mitigation
- Road noise and visibility of Expressway
- Highway noise from I-280

SOIL

- Remnant soil piles (construction debris)
- Elevated levels of lead in soil adjacent to expressway
- Remnant berms with mature tree roots limit removal



MAP LEGEND

- | | |
|---|--|
|  Saratoga Creek |  Tree Root Protection Zone |
|  Lawrence-Mitty Park Boundary |  Soil Adjacent to Expressway |
|  Existing Trees |  Gap in Existing Sound Wall |
|  Existing Saratoga Creek Trail |  Soil Berms and Piles (approximate) |





Key Considerations

- Offering a nature experience on this site
- Sound wall extent
- Partnerships/resources for successful creek restoration
- Balancing bike focused activity with pedestrians
- Inclusivity – all ages
- Restroom addition logistics
- Parking concerns
- Camping & safety concerns
- Allowing for North Connection



Direction for Final Concept Plan

Other considerations:

- Increasing activity in the park will help with some safety concerns
- Align with Parks Master Plan goals
- Final design should weigh the needs and desires of east Cupertino residents whose lack of park access prioritized this park acquisition



BPC - Future CIP Projects FY23-28

1. Bollinger Road Bike Improvements
2. Stevens Creek Blvd Separated Bikeway,
Phase 3 – Design & Construction
3. Carmen Road Bridge – Design &
Construction (also consider alternative
route)
4. Lawrence Mitty Northern Connections
(Calvert Drive/Intersection)

Bicycle Pedestrian Commission
Agenda Item #6
November 16, 2022

Bicycle Pedestrian Commission



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November 16, 2022

Bicycle Pedestrian Commission

Bubb Rd/McClellan Rd Intersection



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November 16, 2022

Bubb Rd/McClellan Rd Intersection

- Signalized intersection with protected left turns all directions
- Two-stage left-turn bike boxes all directions
- No right turn on red EB, WB and NB approaches
- Primary access point for tri-school area and residential neighborhood to the south

Bubb Rd/McClellan Rd Intersection



Bubb Rd/McClellan Rd Intersection- Challenges

- Major congestion and long queues during school drop-off and pick-up times
- Delays cause driver frustration, safety compromised



Bubb Rd/McClellan Rd Intersection- Challenges

- Vehicle progression impeded by crossing pedestrians
 - Right-turning vehicles unable to turn on green due to crossing pedestrians (EB, WB and NB)
 - Trailing cars unable to pass due to single lane
 - Right-turning vehicles unable to turn on red due to two-stage bike box restrictions
 - As few as two cars able to proceed each green light
- Ped-right turning vehicle conflicts

Bubb Rd/McClellan Rd Intersection- Challenges



Bubb Rd/McClellan Rd Intersection – Proposed Solution

- Pedestrian Scramble signal phasing
 - Pedestrians can cross any leg during dedicated WALK phase.
 - No cars may proceed any direction, including no rights on red
 - Pedestrians must wait during all vehicle green phases
 - Cars may turn right unimpeded
 - Eliminates ped-vehicle conflicts

Bubb Rd/McClellan Rd Intersection – Proposed Solution

- Scramble phasing active only during school drop-off and pick-up times
- No diagonal crossing allowed
 - Sufficient crossing time provided to cross two legs

Bubb Rd/McClellan Rd Intersection – Proposed Solution

- Implementation anticipated January 2023
- Educational outreach to schools and general public will precede implementation
 - Flyer
 - Video
 - Social media
- Monitoring will follow implementation

Bicycle Pedestrian Commission

Bubb Rd/McClellan Rd Intersection

End Slide



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November 16, 2022