



County of Santa Clara Parks and Recreation

Los Gatos Creek Trail – November 7, 2012





Presentation Outline

1. Introduction
2. Trail Study Selection
3. Challenges and Constraints
4. Trail Segments - Alternatives
5. Public Survey Results
6. Trail Study Selections
7. Design Studies/Permits
8. Budget/Conceptual Costs
9. Next Steps



Trail Alternatives

SELECTED TRAIL ALIGNMENT

- RE-ALIGN AND RE-GRADE EXIST. TRAIL
- NEW UNPAVED/SOFT SURFACE TRAIL
- NO IMPROVEMENTS
- SPLIT RAIL FENCE

SEGMENT A, SEGMENT B, SEGMENT C, SEGMENT D, SEGMENT E, SEGMENT F, SEGMENT G, SEGMENT H

VASONA LAKE

SANTA CLARA COUNTY PARKS

RJA
RUSSEN, JENSEN, AZAR

PAVED TRAIL

NEW UNPAVED/SOFT SURFACE TRAIL

The trail is broken into eight segments.
For more information, call Tamara Clark at (408) 355-2215
or tamara.clark@prk.scgov.org



Challenges and Constraints

Outboard Shoulder Issues

- Insufficient pavement edge support
- Vegetation along shoreline
- Storm water runoff
- Erosion and creep
- Pavement condition
- Existing trees
- Fill placement options limited
 - Slope gradient
 - Shoreline notch





Challenges and Constraints

Inboard Shoulder Issues:

- Over steepened slopes (2:1 & steeper)
- Existing utilities in and along the path
- Landslides/sloughing
- Improvements at top-of-slope
- Non-engineered fill on slope
- Slope sloughing & erosion
- K-rail at base of eroding slope





Challenges and Constraints

Existing Conditions

- Trees in proximity to path
- Storm water runoff
- Park furniture
- Utilities & manholes
- Water & irrigation facilities
- Conflict of multi-modal trail users
 - i.e. Walkers, bicyclists, runners, baby strollers, etc.





Trail Segments

WE'RE MAKING IMPROVEMENTS TO LOS GATOS CREEK TRAIL IN VASONA COUNTY PARK
We'd like to hear your opinion to help us improve the trail in 2013

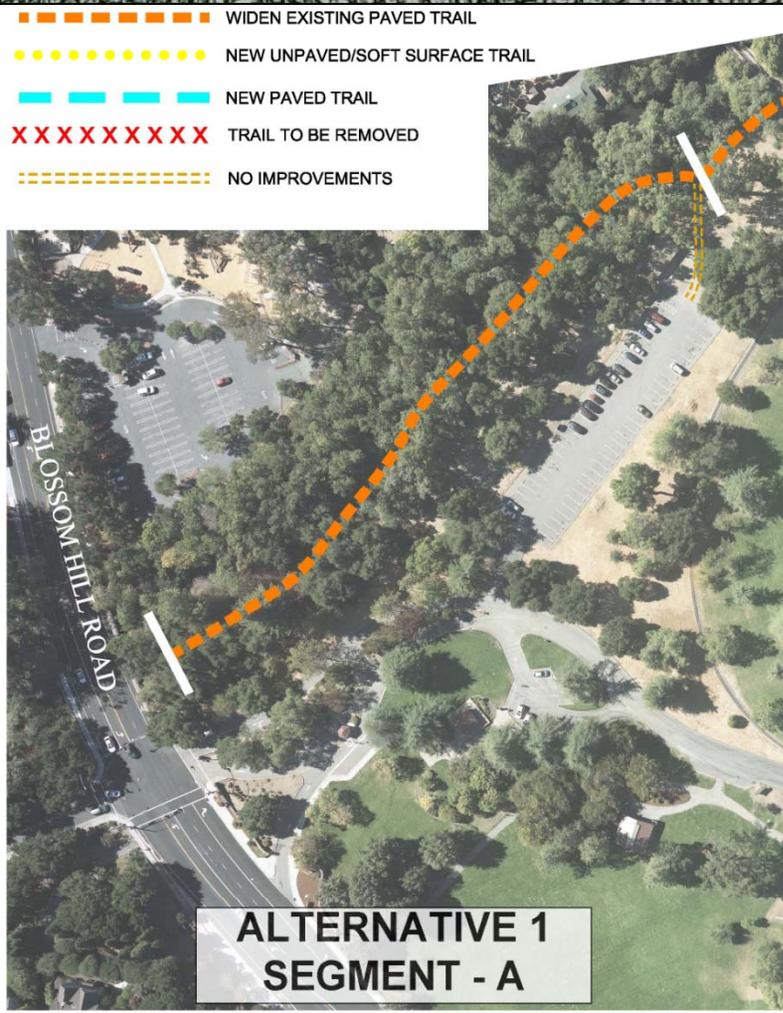


The trail is broken into eight segments on both alternatives.
Let us know which alternative, 1 or 2, you prefer for each segment
For more information, call Tamara Clark at (408) 355-2215
or tamara.clark@prk.sccgov.org

Three ways to voice your opinion:
1. A public meeting will be held from 11:00 am to 1:00 pm, on April 21 at the Gateway Pavilion, Vasona Park
2. Access a survey on the County Park website: Parkhere.org
3. Scan this Quick Response Code/Mobile App

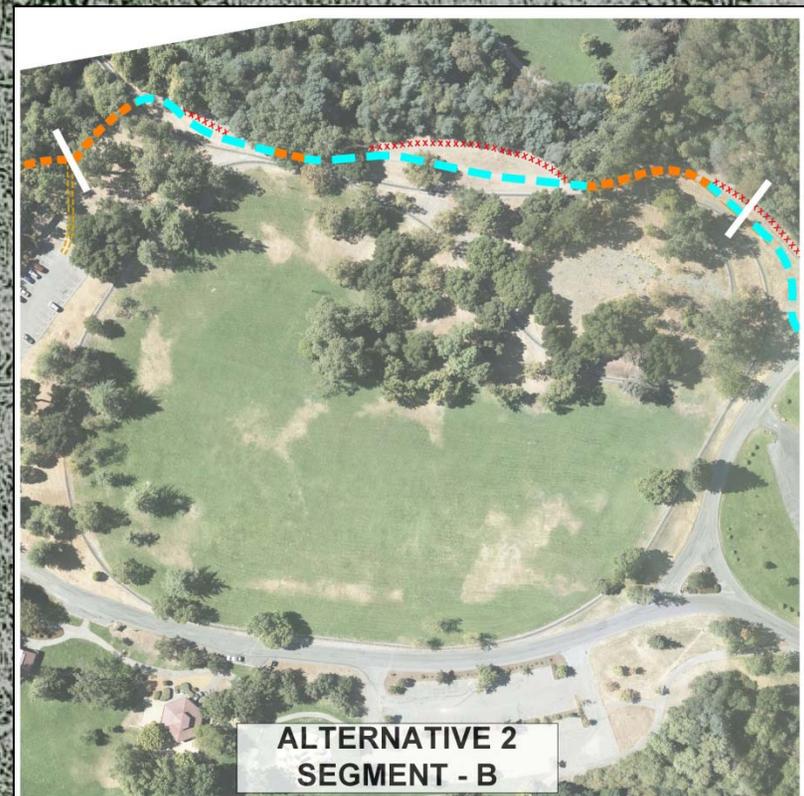


Trail Segments – Alternatives 1 & 2



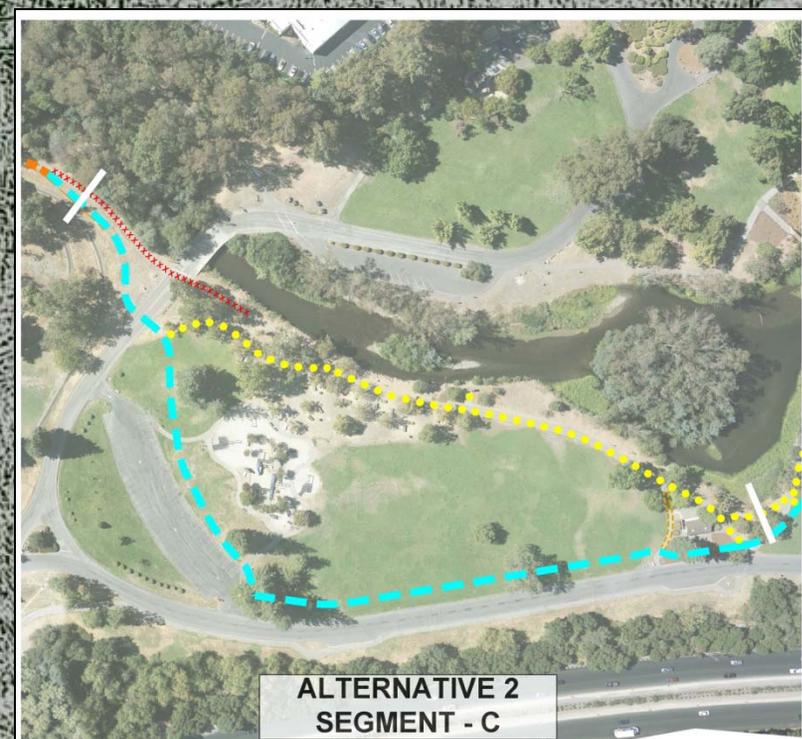
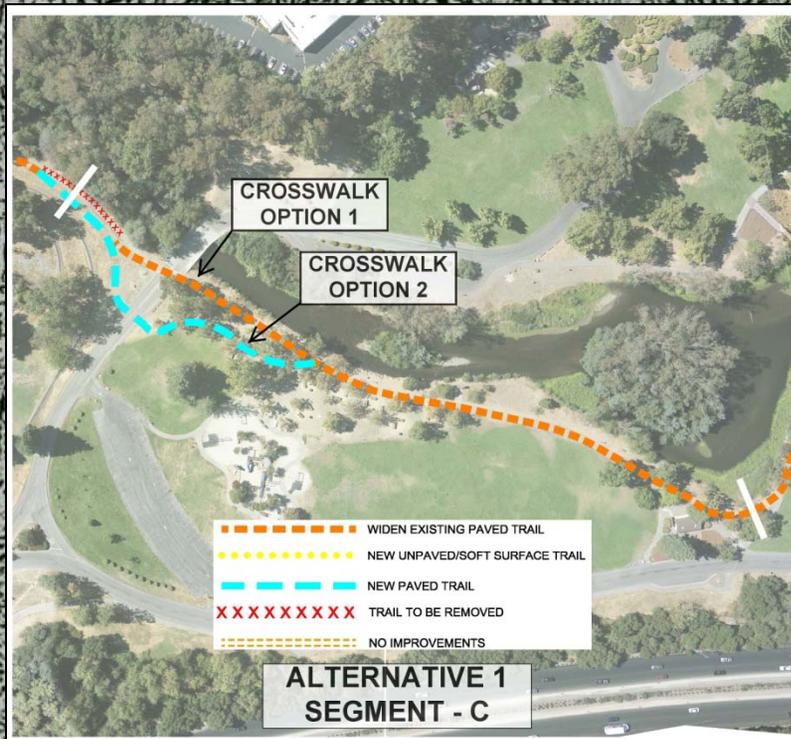


Trail Segments – Alternatives 1 & 2



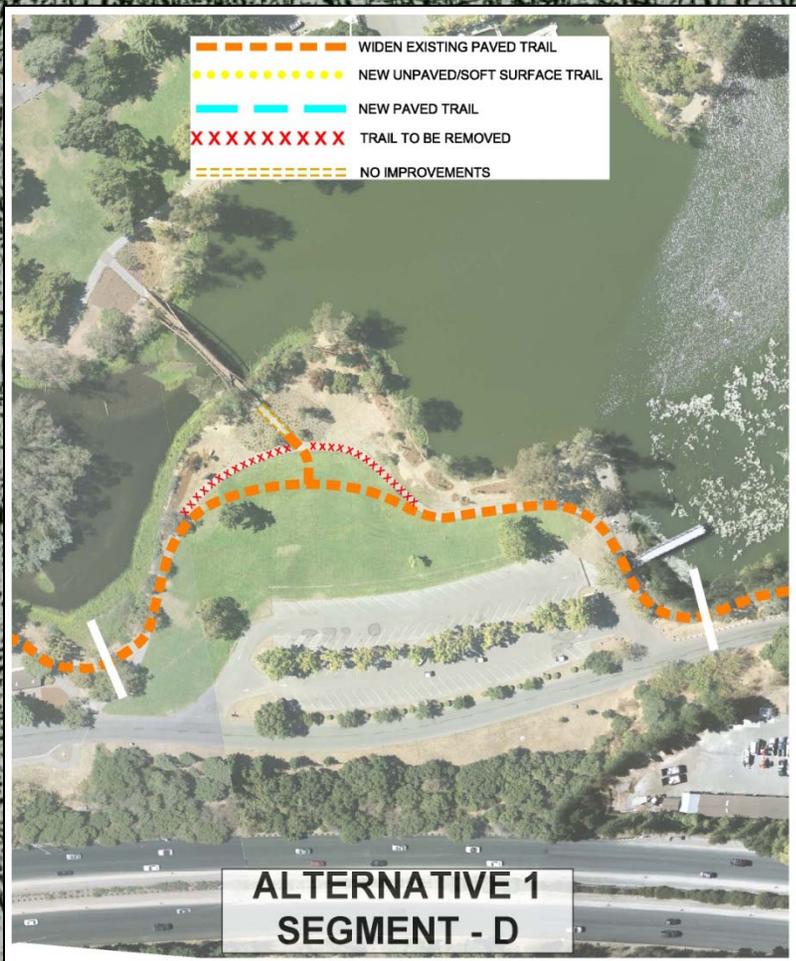


Trail Segments – Alternatives 1 & 2





Trail Segments – Alternatives 1 & 2



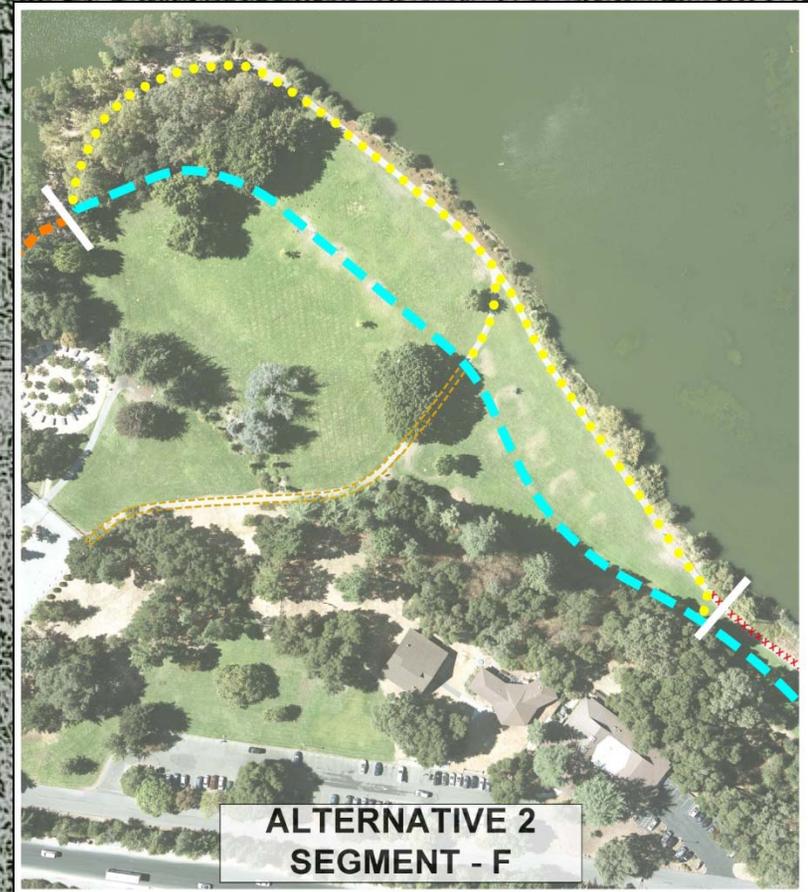
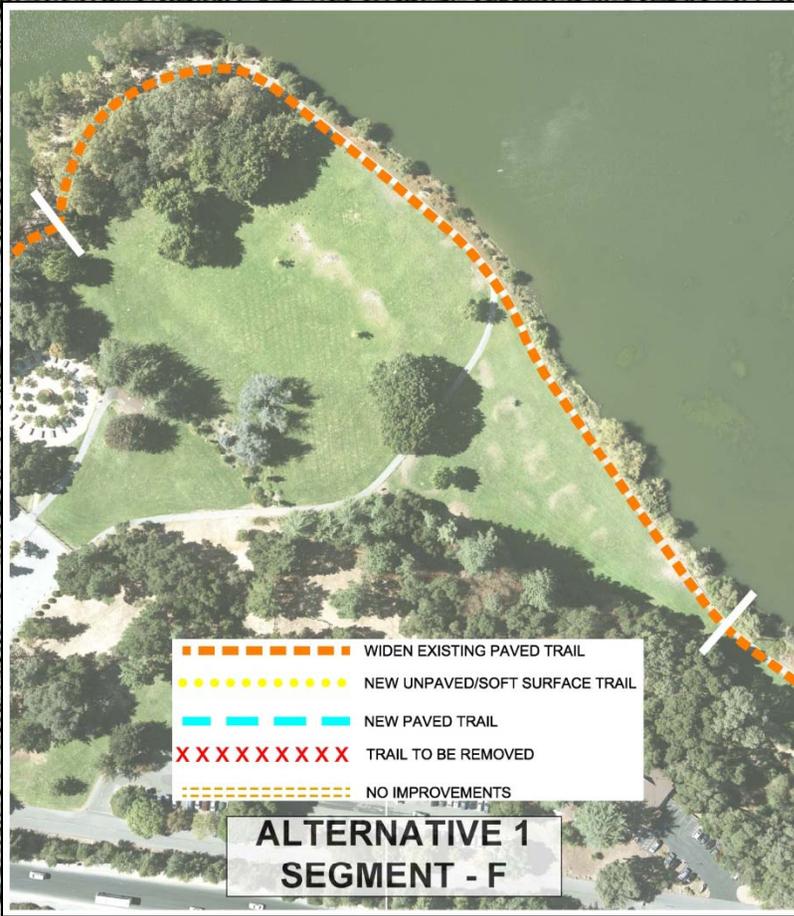


Trail Segments – Alternatives 1 & 2



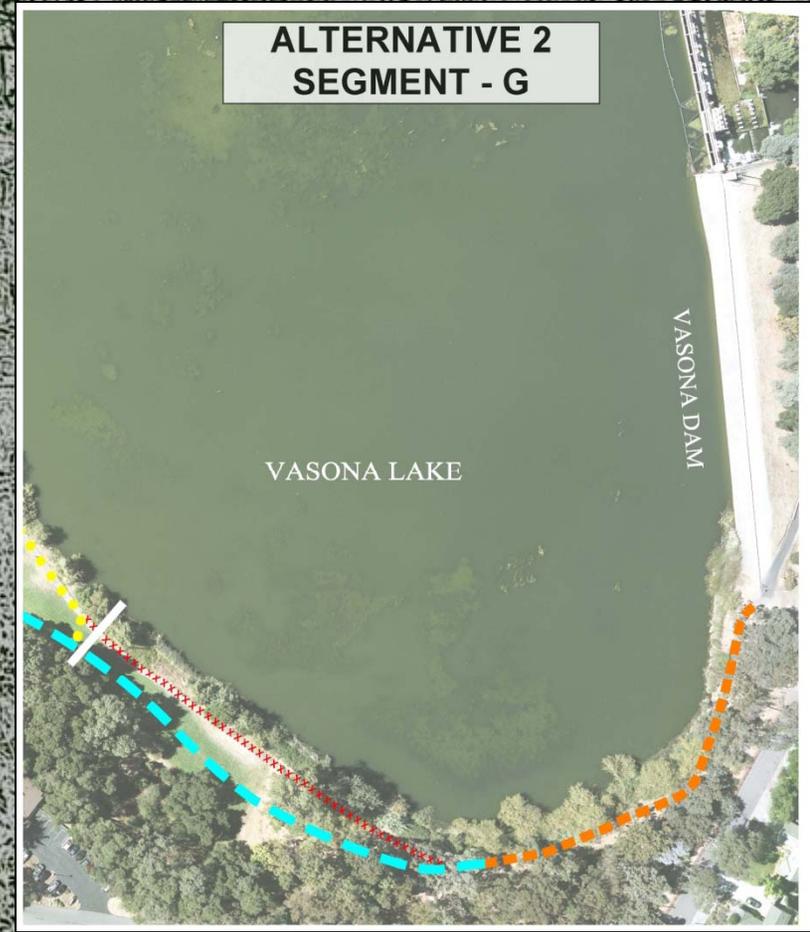


Trail Segments – Alternatives 1 & 2





Trail Segments – Alternatives 1 & 2





Public Survey Results

Parks Los Gatos Creek Trail Improvement Survey SurveyMonkey

1. Segment B

	Response Percent	Response Count
Alternative 1	42.9%	66
Alternative 2	57.1%	88
answered question		154
skipped question		0

2. Segment C

	Response Percent	Response Count
Alternative 1: Option 1 - Retain existing crossing location	29.3%	44
Alternative 1: Option 2 - Relocate crossing	10.7%	16
Alternative 2	60.0%	90
answered question		150
skipped question		4

3. Segment D

	Response Percent	Response Count
Alternative 1	32.2%	48
Alternative 2	67.8%	101
answered question		149
skipped question		5

4. Segment F

	Response Percent	Response Count
Alternative 1	45.0%	67
Alternative 2	55.0%	82
answered question		149
skipped question		5

5. Segment G

	Response Percent	Response Count
Alternative 1	49.7%	72
Alternative 2	50.3%	73
answered question		145
skipped question		9



Public Meeting Results

Eliminate/restrict bicyclists

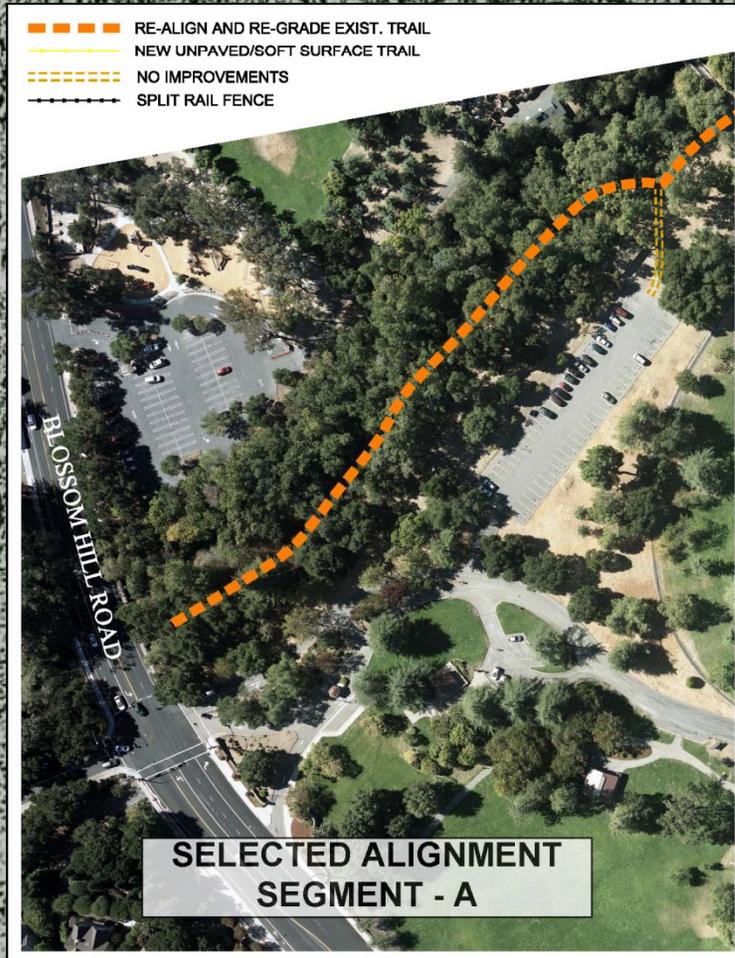
- Send bikes along Garden Hill
- Enforce bicycle speed limit
- Make bikes walk in tight areas
- Bollards or barricades to keep bikes out

Keep cost down

- Patch and repair existing trail without widening trail
- Raise trail with fill rather than walls or deck
- Use funds to build a new trail to the new soccer park
- Staff meet with Susan Anawalt to discuss the option of detouring bicycles onto Garden Hill Drive and restricting their use on the trail.

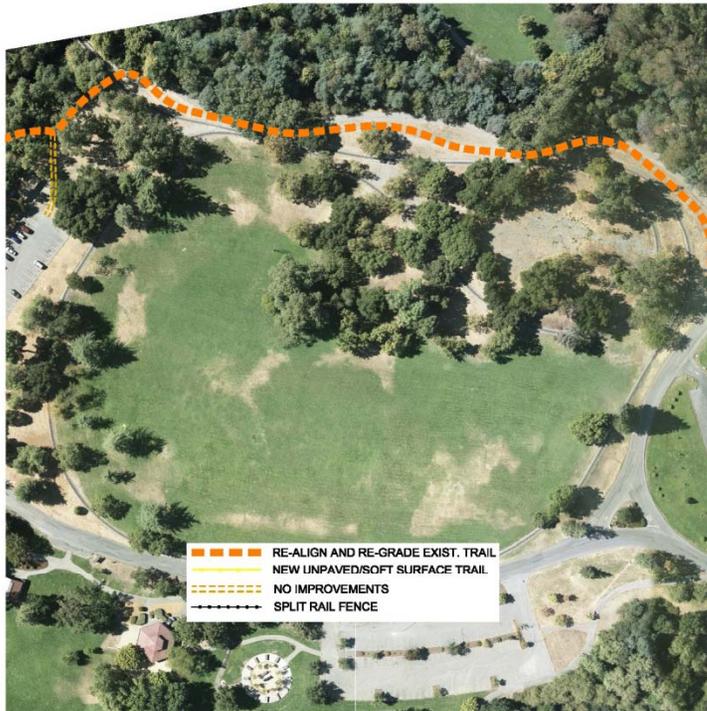


Trail Selection





Trail Selection



**SELECTED ALIGNMENT
SEGMENT - B**





Trail Selection

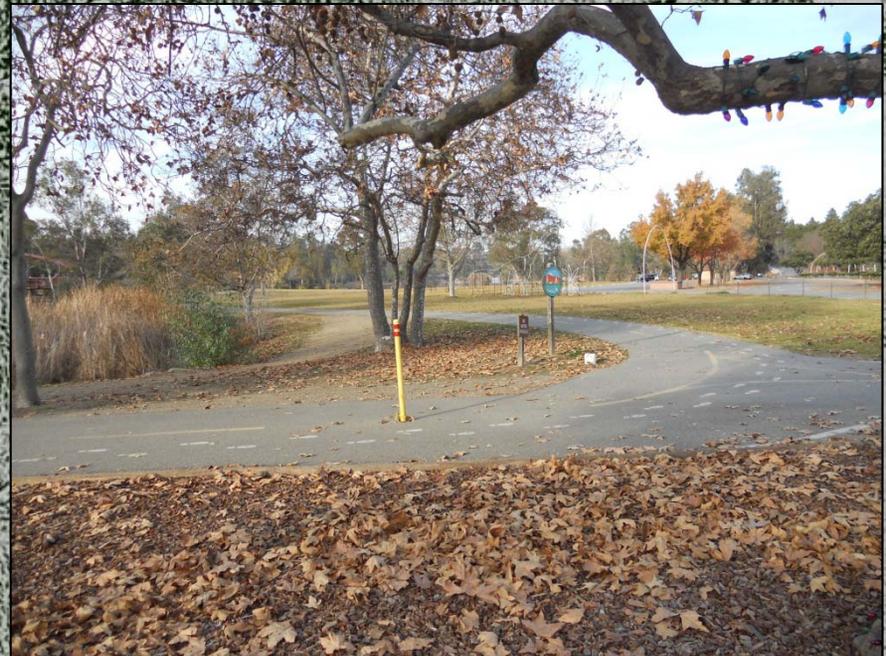
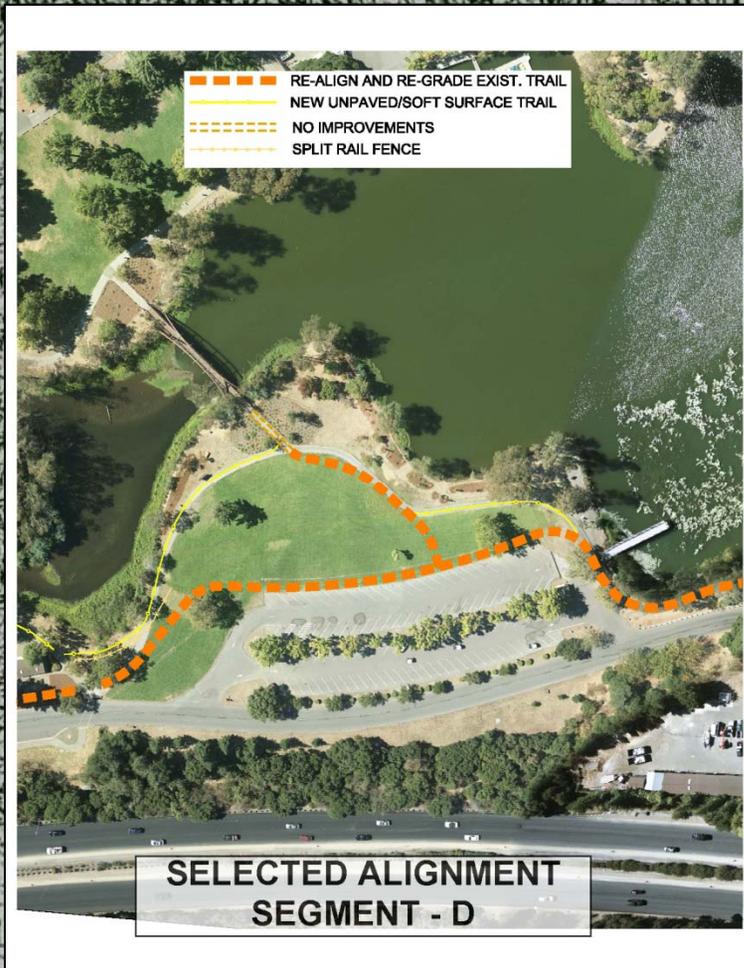


**SELECTED ALIGNMENT
SEGMENT - C**



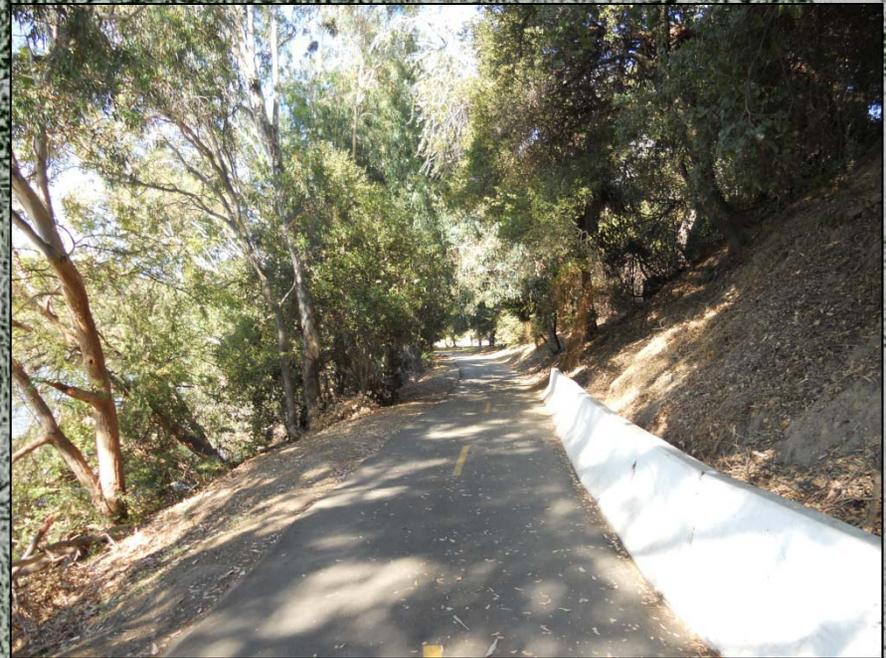


Trail Selection





Trail Selection





Trail Selection





Trail Selection





Design Studies

Engineering

Design Surveys



Ex. Utility Boxes



Design Studies

Geotechnical Engineering Site Investigations and Borings





Design Studies

Environmental Surveys

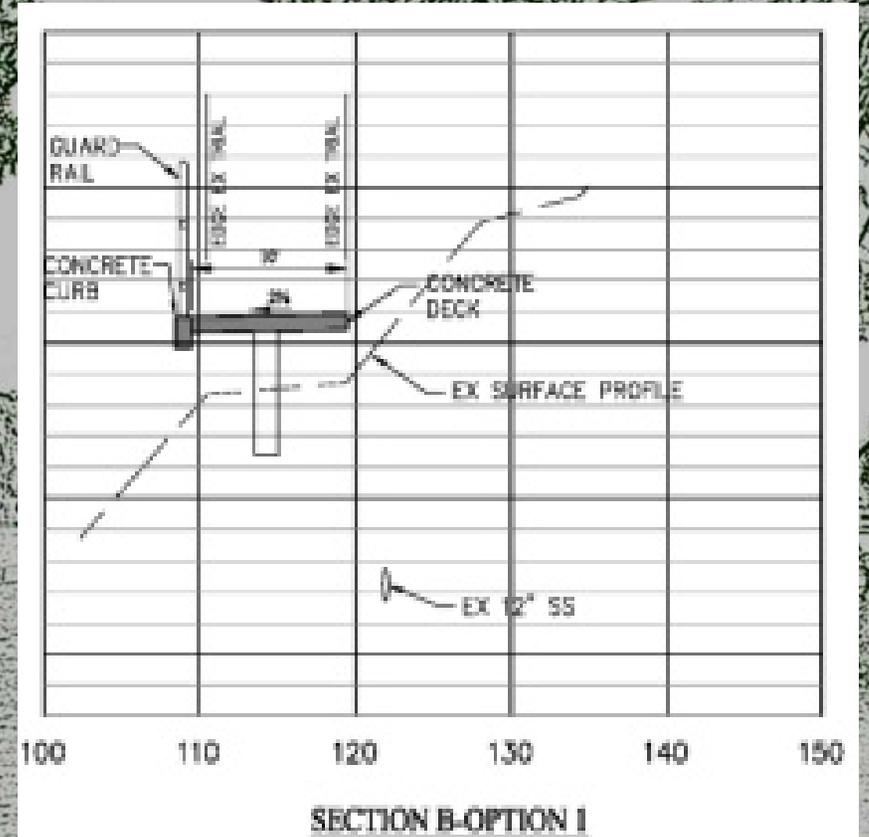
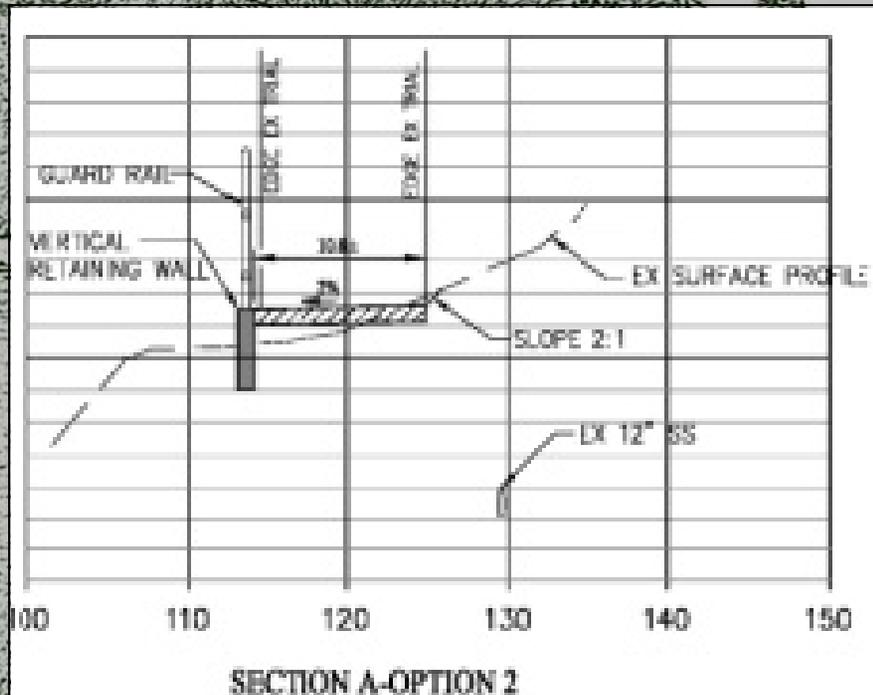
Field Survey for Federal and State Listed Species
(Surveys dependant on various protocols and timing)

- Complete surveys during the preliminary design
- Early determination of possible avoidance areas
- Early determination of particular habitat types
- Early design accommodation if necessary



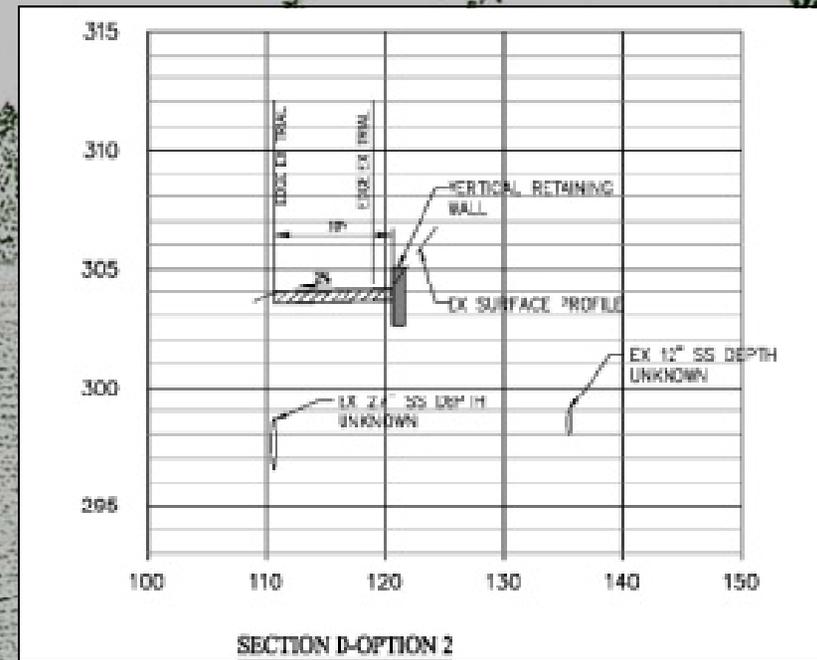
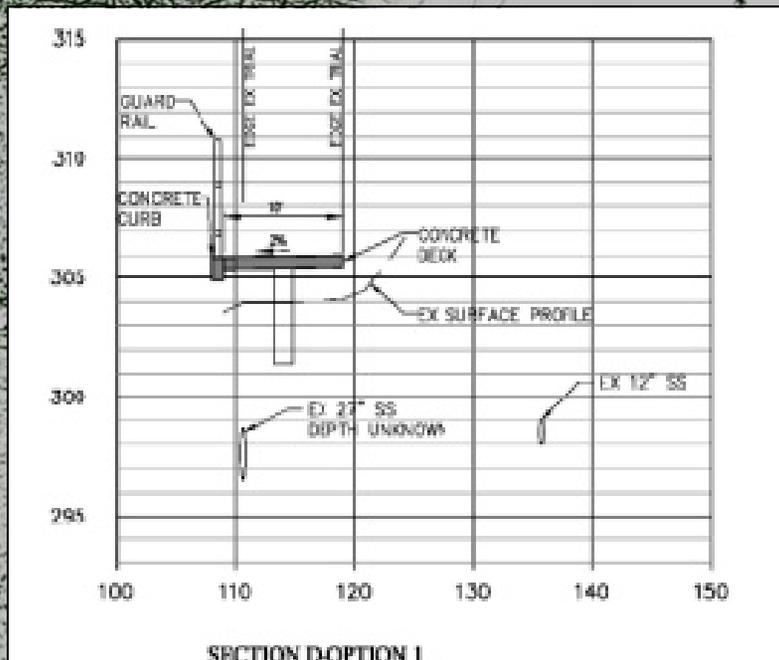
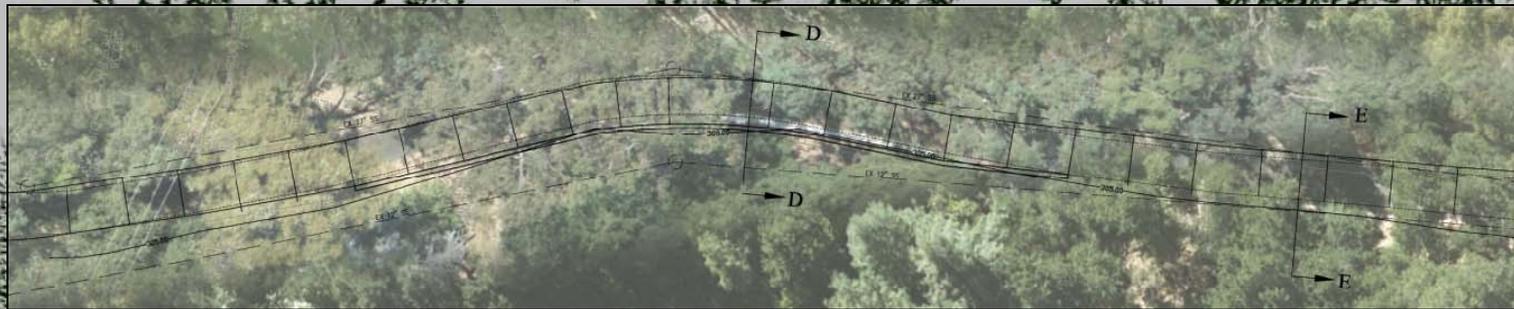


Structural Options: Segment G



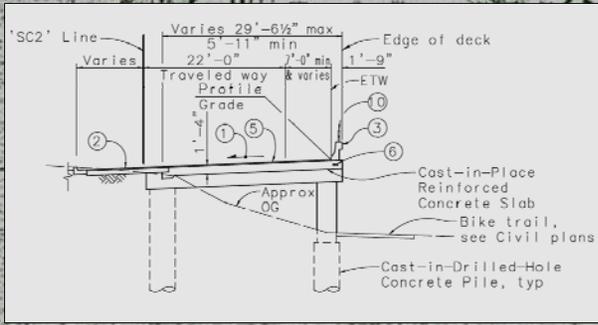
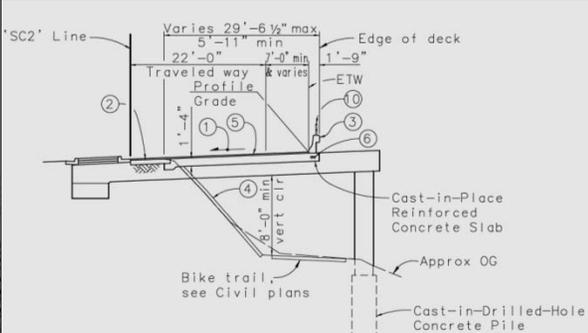


Structural Options: Segment E





Structural – Example of Cantilevered Pathway





Methodology & Strategy

Natural Resource Permits

Section 1600 Streambed Alteration Agreement
(California Department of Fish and Game)

Section 404 Nationwide Permit
(Army Corps of Engineers)

Section 401 Water Quality Certification
(Regional Water Quality Control Board)

Incidental Take Authorization impacts to federal and state listed species





Methodology & Strategy

Natural Resources - California Environmental Quality Act (CEQA)

CEQA process includes consideration of:

- Some species listed by the California Endangered Species Act
- Species identified in the State Fish and Game Code

Compliance with CEQA required for:

- Streambed Alteration Agreement from CDF&G
- Water Quality Certification from RWQCB





Budget / Conceptual Cost

- | | |
|---|-------------|
| • Selected alignment with walls | \$1,723,000 |
| • Selected alignment with concrete deck | \$2,045,000 |
| • Project Budget | \$1,694,000 |



Next Steps

