City of Santa Clara

Trail Network Expansion Feasibility Study

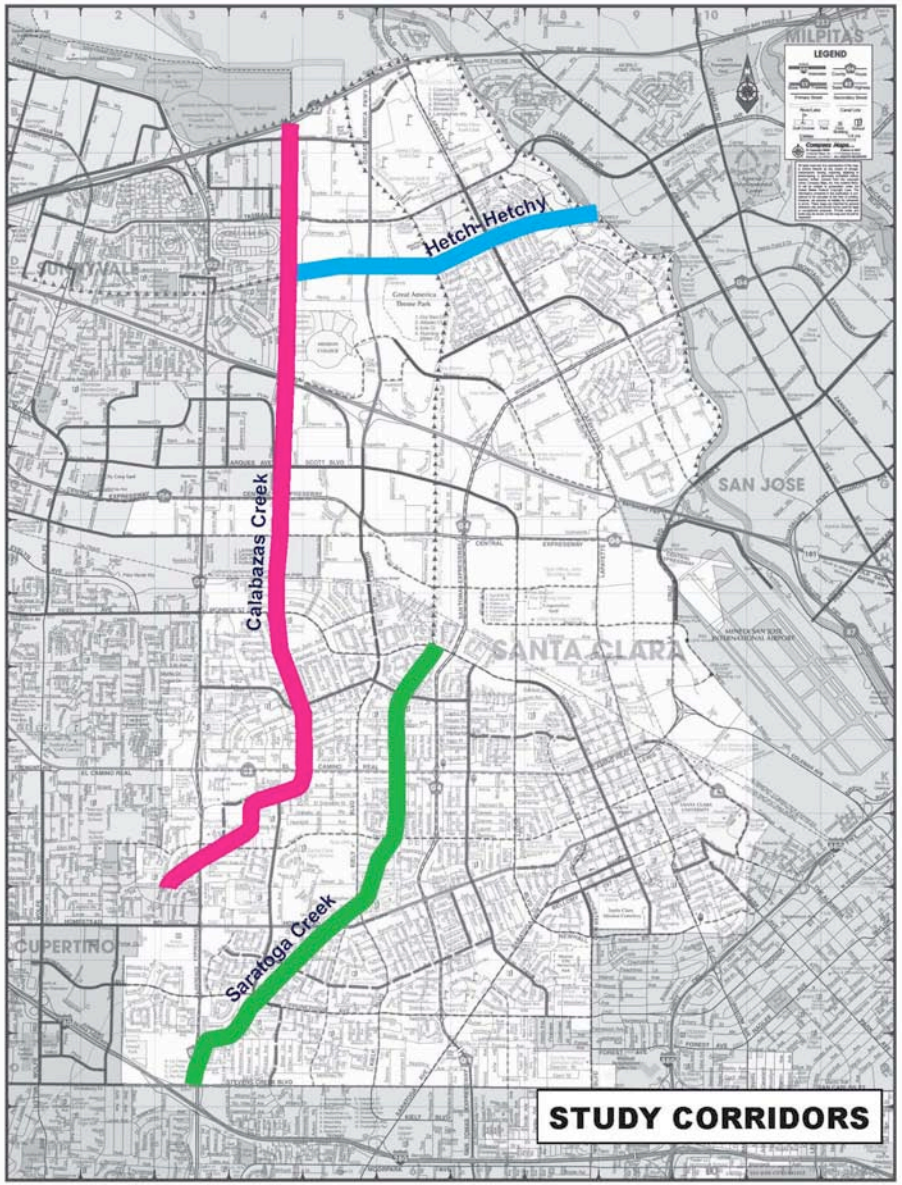
Calabazas Creek, Saratoga Creek and Hetch Hetchy Corridor

conducted by

Sokale Environmental Planning
in collaboration with
Hill Associates
Cotton Shires and Associates
Hexagon Transportation Consultants

May 31, 2011

Study Corridor Locations



Investigations Undertaken:

- Assess Land Availability
- Review Development Agreements & Approved Plans
- Evaluate Habitat Sensitivity & Listed Species
- Investigate Bridges Crossings
  - 23 Bridges on Calabazas Creek
  - 11 Bridges on Saratoga Creek
- Investigate Hetch Hetchy Crossings
  - 8 Roadway and Creek Crossings

Land Availability

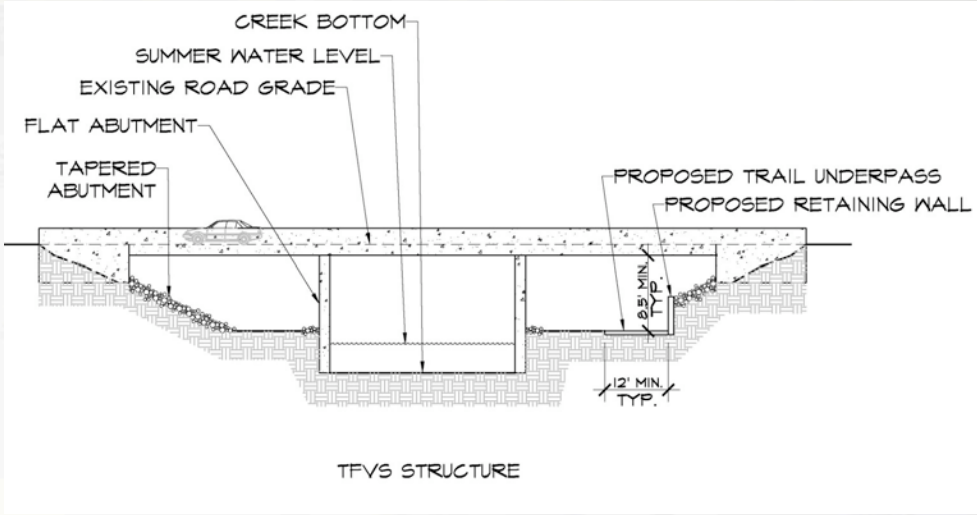
- Ownership
- Easements
- Mitigation Sites
- Top of Bank Width
- Existing Vegetation
- Maintenance Access Requirements - SCVWD
- Utility Conflicts

Trail Feasible

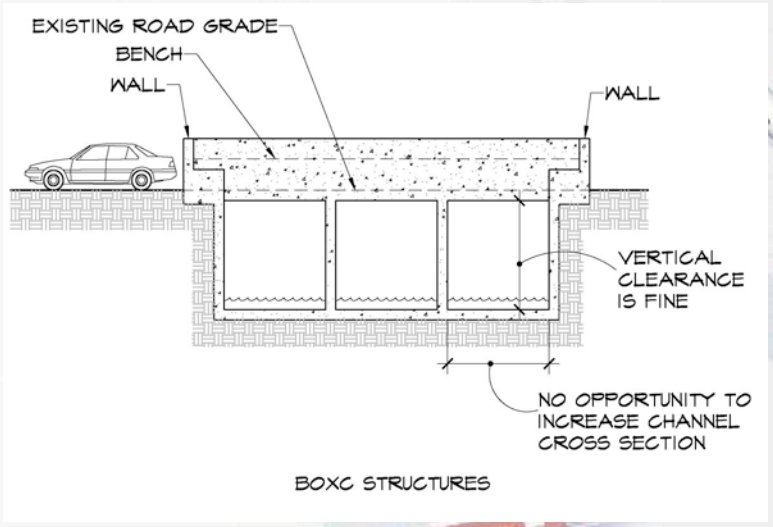
No Potential for Trail

Bridge Underpass Feasibility

- Calabazas Creek Trail Underpasses Feasible
  - Highway 237
  - Old Mtn. View-Alviso Road (road reconstruction)
  - Tasman and LRT
  - Scott Boulevard
  - Kifer Road
  - Machado Avenue
  - Warburton Avenue
- Saratoga Creek Trail Underpasses Feasible
  - Cabrillo Avenue
  - Benton Street
  - Kiely Boulevard (road reconstruction)
  - Homestead Road



Trail Underpass Feasible



No Potential for Trail Underpass

Conceptual Design Evaluations:

- Identify conceptual design solutions for providing grade-separated trail underpasses, overpasses or tunnels
- Assess trail interface with on-street bicycle and pedestrian facilities
- Meet with jurisdictional agencies to evaluate feasibility and explore partnership opportunities
  - SCVWD
  - Caltrain
  - Sunnyvale
  - SF PUC, planned

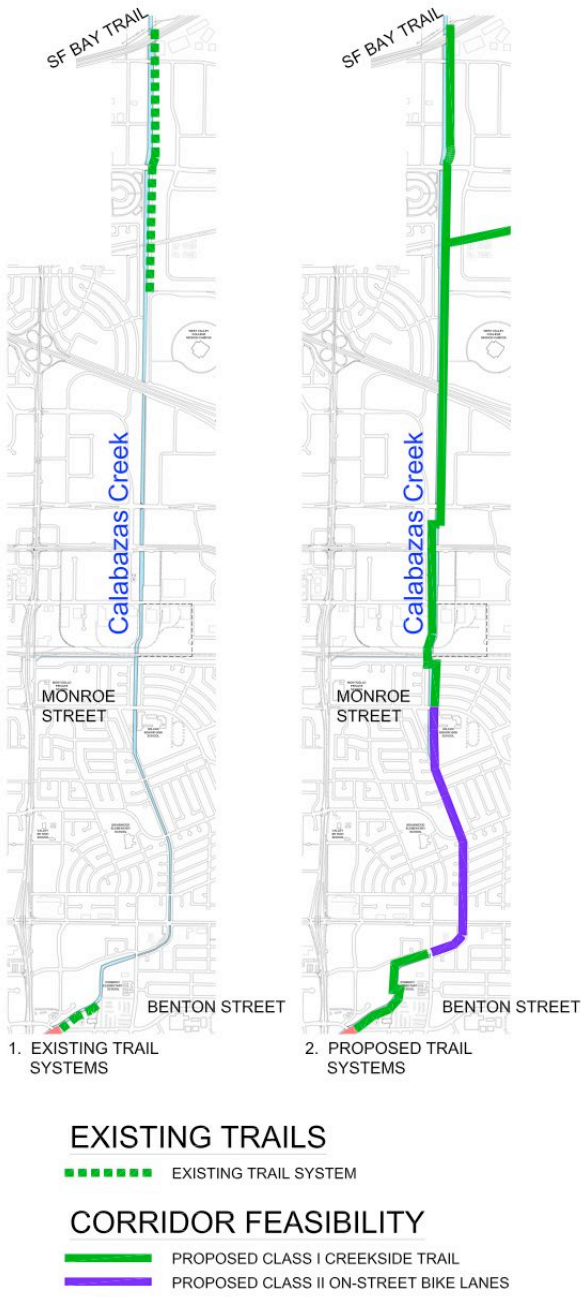
Calabazas Creek Feasibility

Trail Feasible from:

- SF Bay Trail to Monroe Street
- Calabazas Blvd. Bike Lanes with potential for future creek restoration and trail
- Pomeroy to Benton Street

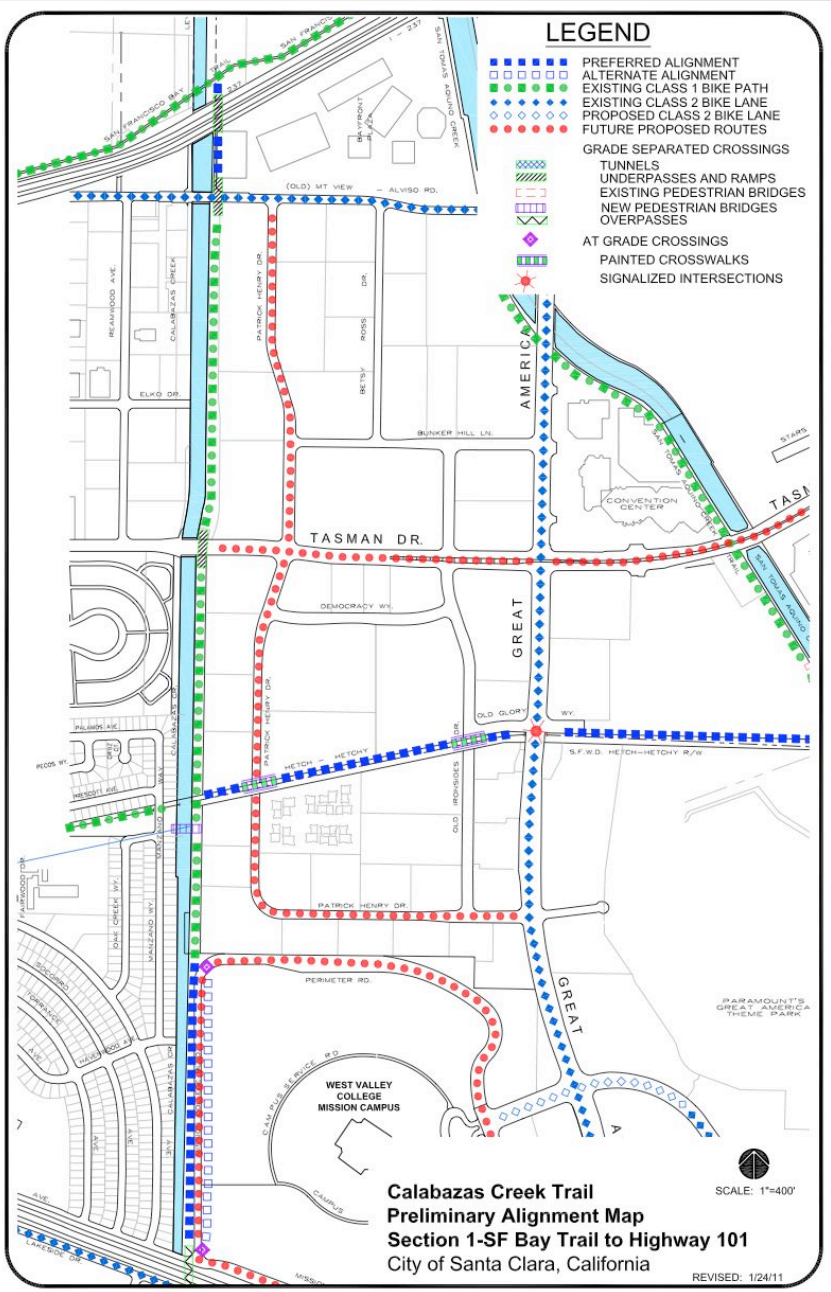
<u>Alignment would include:</u>

- 2 Overpasses
  - Highway 101 & Central Expway
- 5 Underpasses
- 1 Tunnel at Caltrain
- 3 Pedestrian/Bicycle Bridges
  - 1 Existing at Hetch Hetchy

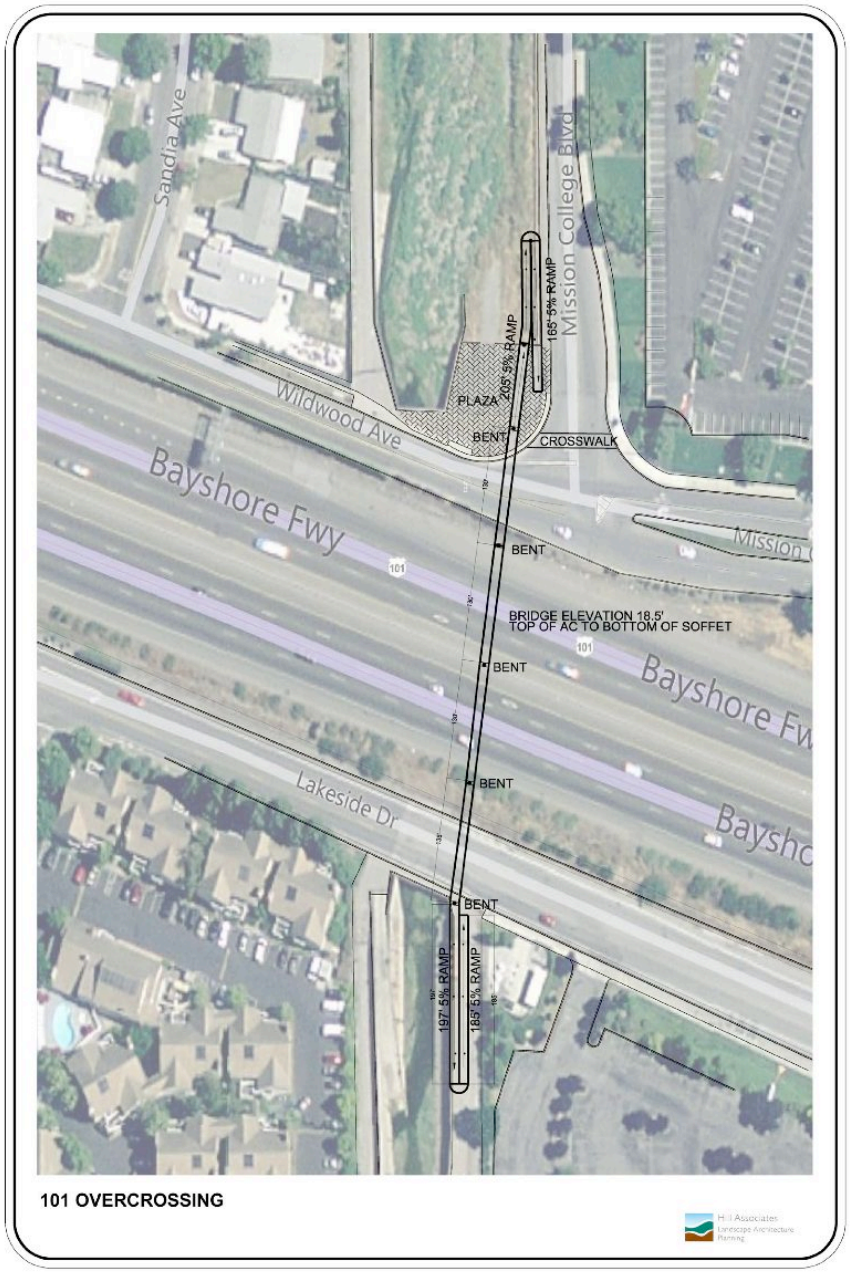


Calabazas Creek - SF Bay Trail to Highway 101

- Trail Underpasses
  - Highway 237
  - Old Mtn. View-Alviso Road
  - Tasman and LRT
- Pedestrian Overcrossings
  - Highway 101
- At-Grade Connections
  - San Francisco Bay Trail
- Connections to:
  - Bay Trail
  - Hetch Hetchy Trail - Sunnyvale (existing) and Santa Clara (future)
  - Mission College



Highway 101 Pedestrian/Bicycle Overcrossing



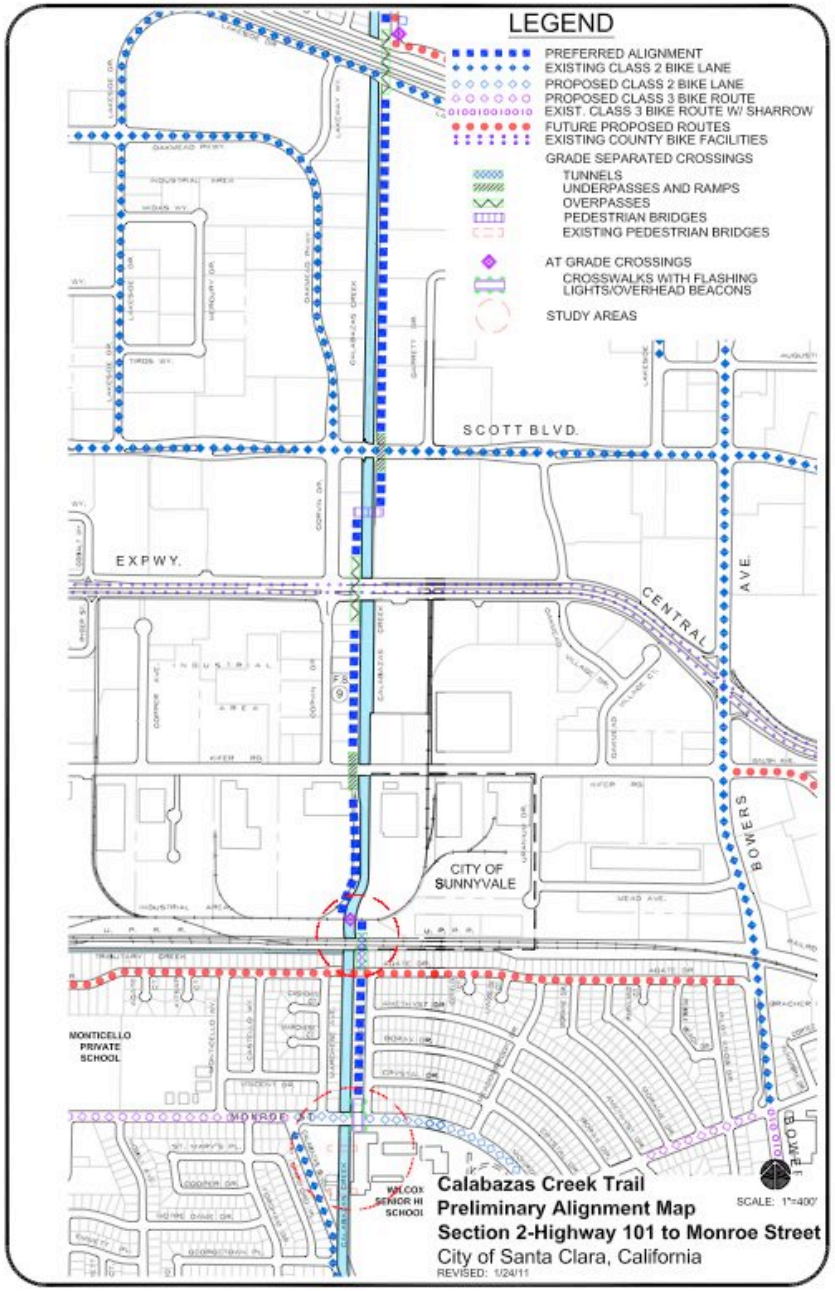
101 OVERCROSSING

Highway 101 Pedestrian/Bicycle Overcrossing

Calabazas Creek-Highway 101 to Monroe St.

- Trail Underpasses
  - Scott Blvd.
  - Kifer Road
- Pedestrian Overcrossings
  - Central Expressway
- Tunnels
  - Caltrain
- At-Grade Connections
  - Monroe and Calabazas Blvd.

- Connections to:
  - Businesses, Residential
  - Lawrence Caltrain Station
  - City of Sunnyvale
  - Wilcox High School

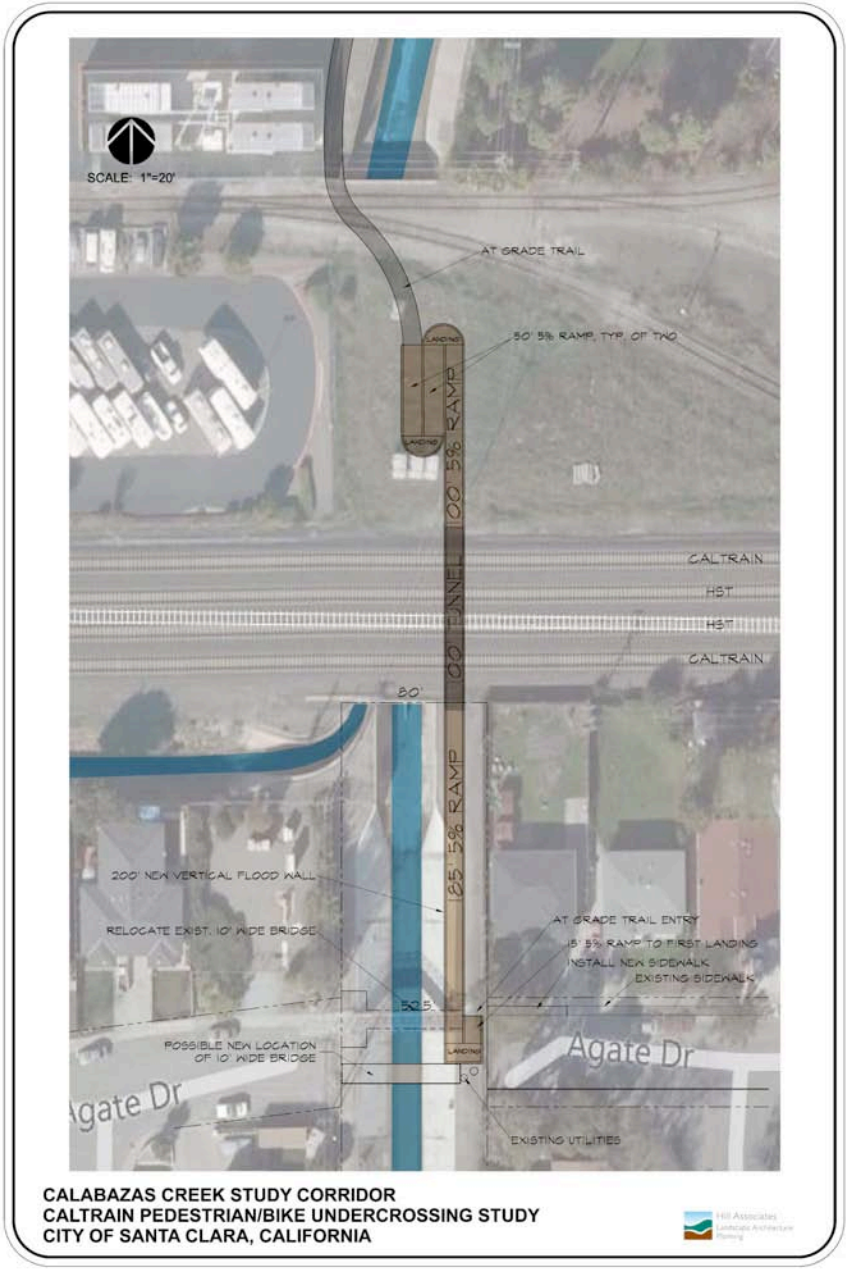


Central Expressway Overcrossing

CALABAZAS CREEK STUDY CORRIDOR
CENTRAL EXPRESSWAY PEDESTRIAN/BIKE OVERCROSSING STUDY
CITY OF SANTA CLARA, CALIFORNIA

Kifer Road Trail Underpass

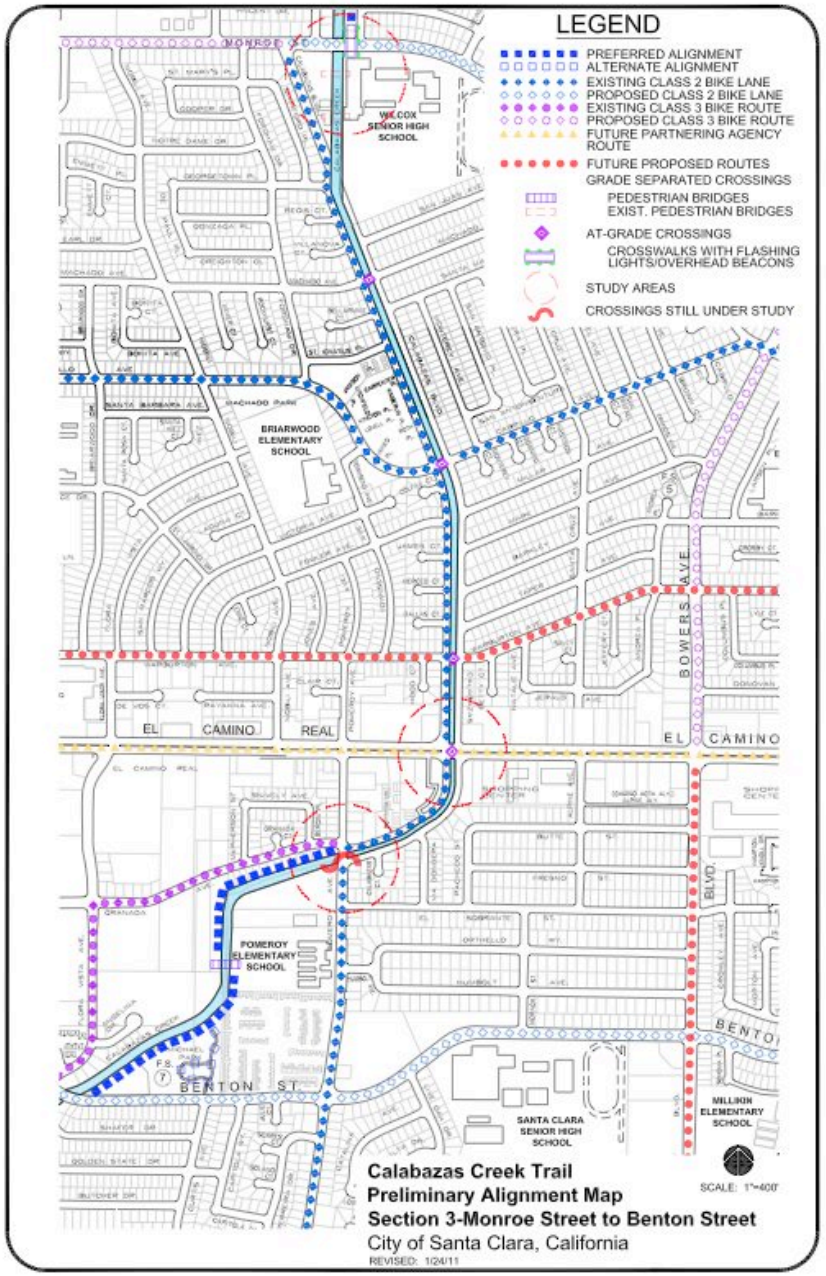
Caltrain Tunnel Parallel to Calabazas Creek



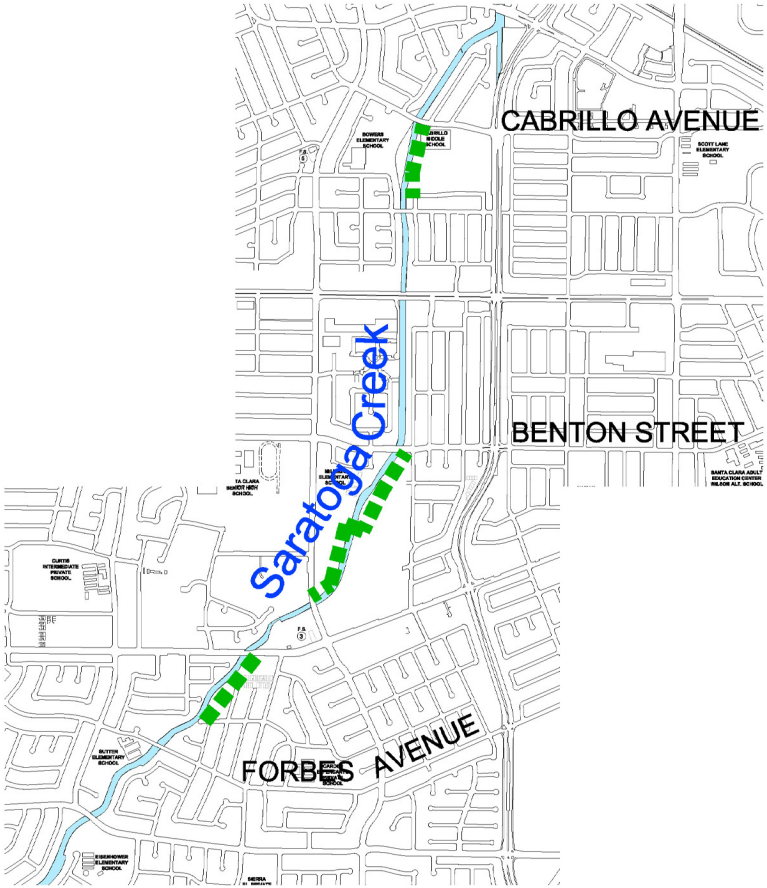
CALABAZAS CREEK STUDY CORRIDOR
CALTRAIN PEDESTRIAN/BIKE UNDERCROSSING STUDY
CITY OF SANTA CLARA, CALIFORNIA

Calabazas Creek-Wilcox to Carmichael Park

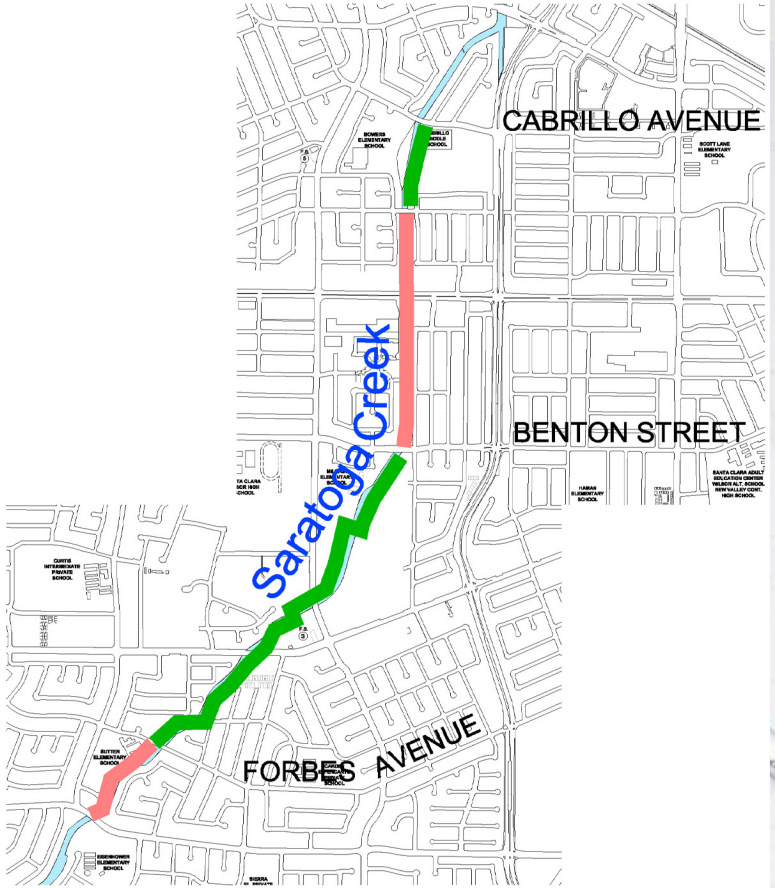
- At-Grade Crossings
  - All Associated with Calabazas Blvd. Bikeway
  - Pomeroy Avenue
  - Benton Street
- Connections to:
  - Residential Neighborhoods
  - Businesses on El Camino
  - Pomeroy Elementary School
  - Carmichael Park
  - Santa Clara High School



Saratoga Creek Feasibility



1. EXISTING TRAIL SYSTEMS



2. PROPOSED TRAIL SYSTEMS

EXISTING TRAILS

EXISTING TRAIL SYSTEM

CORRIDOR FEASIBILITY

PROPOSED CLASS I CREEKSIDE TRAIL

CONSTRAINED/ LIMITED FEASIBILITY

Saratoga Creek Feasibility

Trail Feasible from:

- Cabrillo Avenue to Raggio Avenue
- Benton Street to Forbes Avenue

<u>Alignment would include:</u>

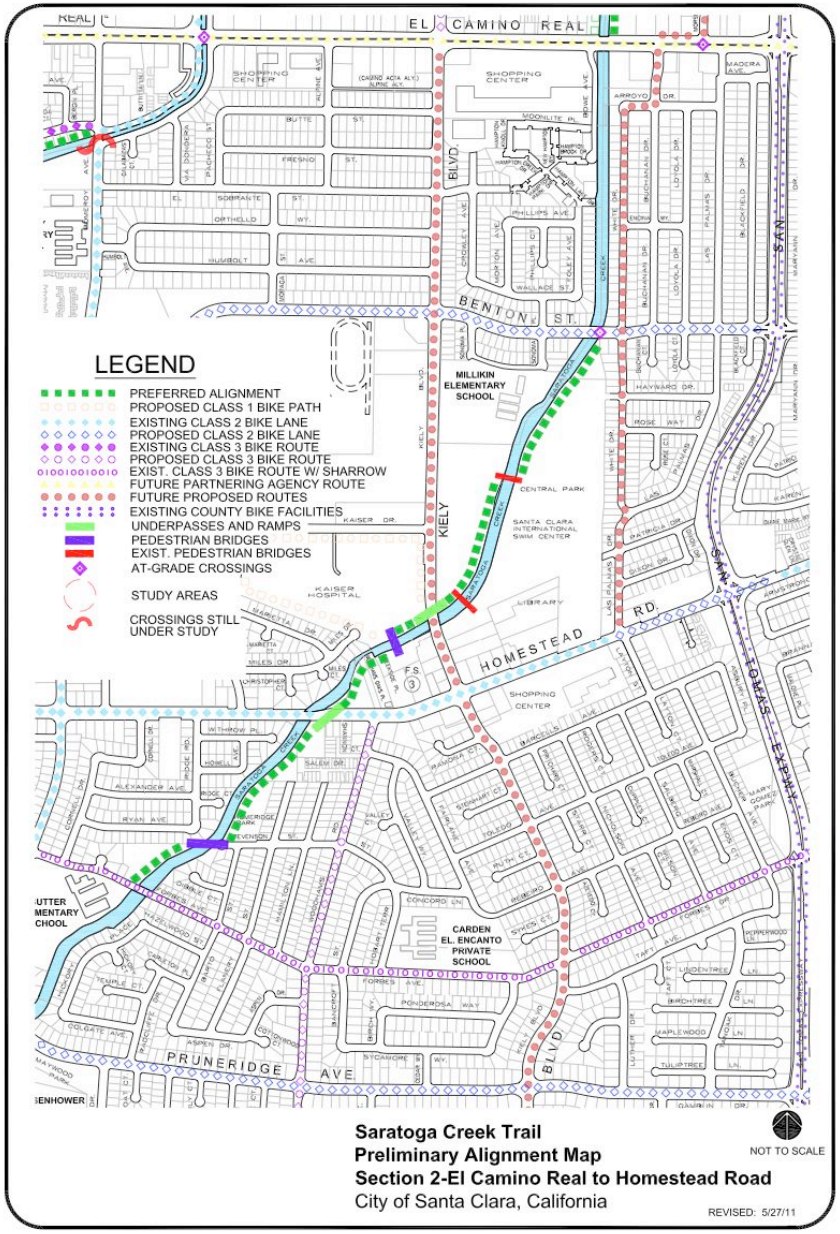
- 2 Underpasses - 1 associated with a bridge reconstruction
- 2 Pedestrian/Bicycle Bridges

Saratoga Creek-Monroe to El Camino Real

- Creek Trail Potential from Cabrillo to Raggio
- At-Grade Crossings
  - Cabrillo Avenue
- Connections to:
  - Residential Neighborhoods
  - Businesses on El Camino
  - Cabrillo Middle School
  - Bowers Elementary School
  - Youth Center/Skate Park
  - Bowers Park

Saratoga Creek-El Camino to Homestead Road

- Creek Trail Potential from Benton to Forbes
- At-Grade Connections
  - Benton Street
  - Forbes Avenue
- Trail Underpasses
  - Kiely Blvd.
  - Homestead Road
- Connections to:
  - Residential Neighborhoods
  - Millikin Elementary School
  - Sutter Elementary School
  - Swim Center/Library
  - Central Park
  - Homeridge Park



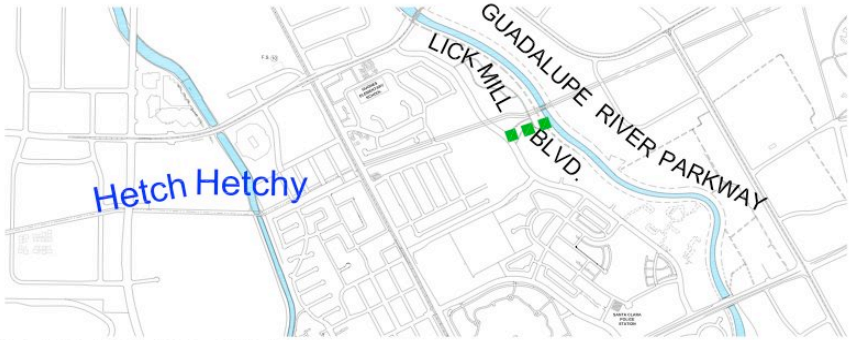
Hetch Hetchy Feasibility

Trail Feasible from:

- Calabazas Creek Trail to Guadalupe River Parkway
- Lafayette/UPRR crossing still under study.

<u>Alignment would include:</u>

- Grade-separated crossing at UPRR
- Intersection Improvements at Lick Mill Blvd., Great America Parkway, Old Ironsides and Patrick Henry



1. EXISTING TRAIL SYSTEMS

2. PROPOSED TRAIL SYSTEMS

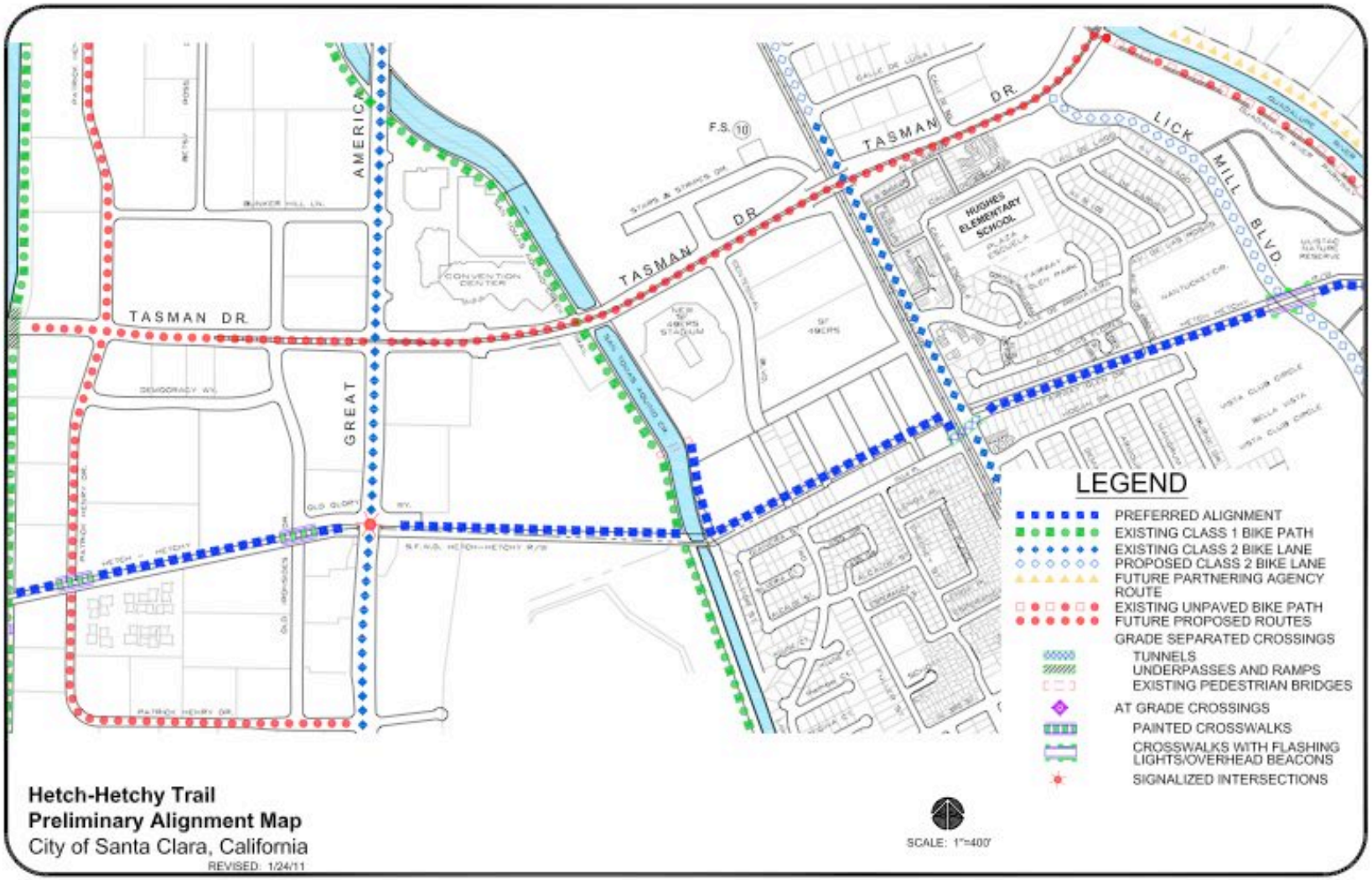
EXISTING TRAILS

EXISTING TRAIL SYSTEM

CORRIDOR FEASIBILITY

PROPOSED CLASS I CREEKSIDE TRAIL

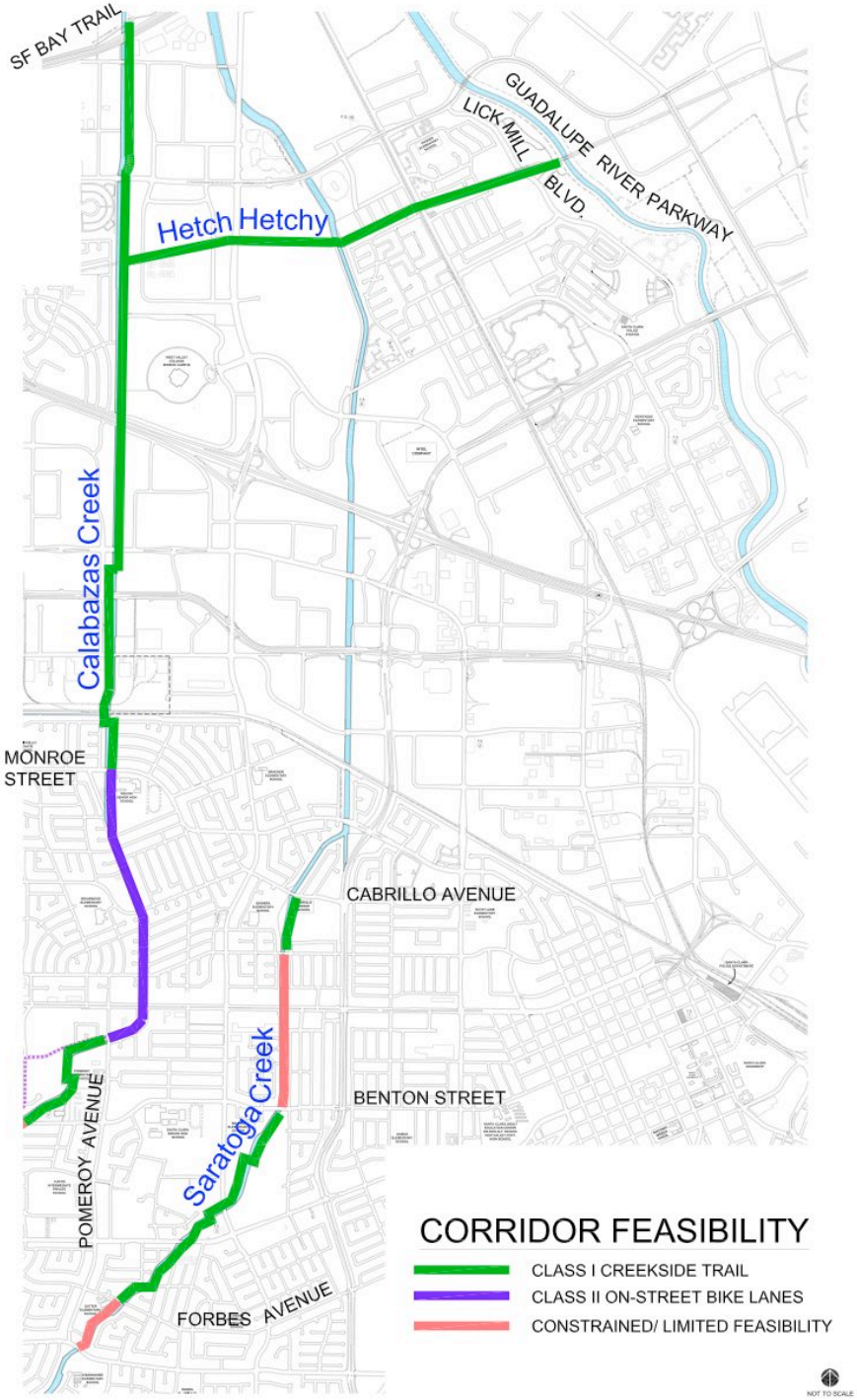
Hetch Hetchy-Guadalupe to Calabazas



Hetch Hetchy-Guadalupe to Calabazas

- At-Grade Crossings
  - Lick Mill Blvd.
  - Great America Parkway
  - Old Ironsides Drive
  - Patrick Henry Drive
- Tunnels
  - Lawrence Expressway/ UPRR Rail Corridor (still under study)
- Connections to:
  - Guadalupe River Parkway
  - Calabazas Creek Trail
  - ACE and Capital Corridor Rail Lines
  - Ulistac Nature Reserve
  - Youth Soccer Park
  - Great America
  - Convention Center
  - Proposed 49ers Stadium
  - Many Tech Businesses

Corridor Feasibility Summary



Next Steps

- Hold Public Meeting for the Business/Industrial Area
  - Draft Feasibility Report
  - Continue Outreach to Agencies
  - Final Feasibility Report

Your feedback will help shape the trail network.