

CC 07-16-19 #1

Green Stormwater

Presentations



City of Cupertino City Council Meeting
July 16, 2019

Briefing on Cupertino's Green Stormwater Infrastructure Plan

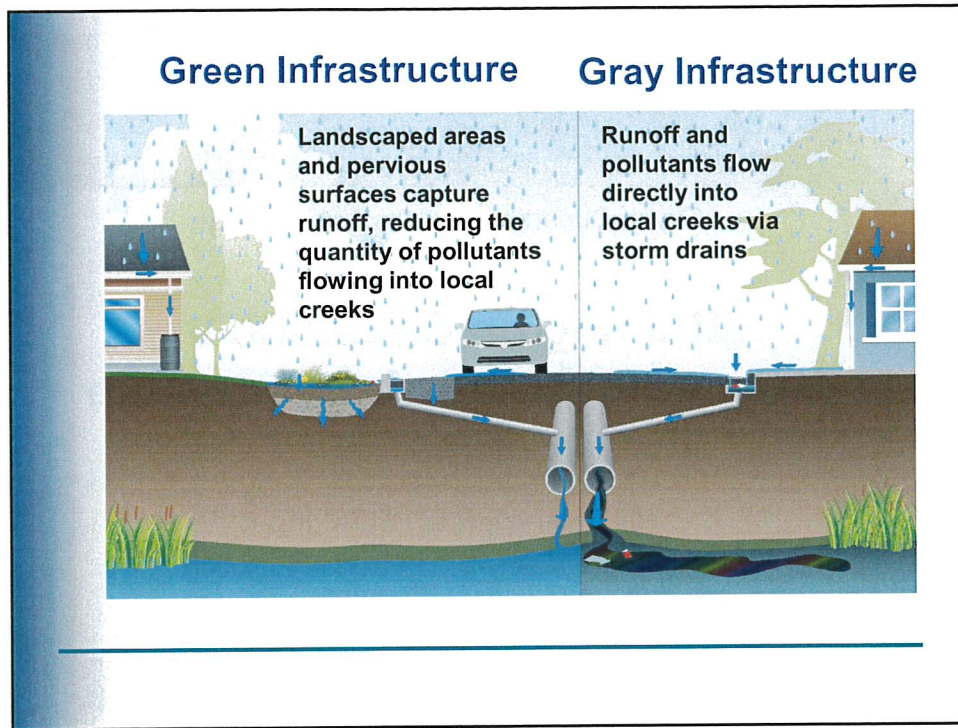
Jill Bicknell, P.E., EOA, Inc.
Santa Clara Valley Urban Runoff Pollution
Prevention Program



Green Stormwater Infrastructure (GSI)

- Systems that use vegetation, soils, and natural processes to manage water and create healthier urban environments





Green Stormwater Infrastructure

- Approach is focused on retrofitting existing public streets, roofs, and parking lots to divert runoff to:
 - Vegetated areas
 - Pervious pavements
 - Biotreatment and infiltration facilities
 - Rainwater collection systems
- Similar to Low Impact Development (LID) site measures currently required on projects that add or improve 10,000 sq. ft. or more of impervious surface

Bioretention Areas



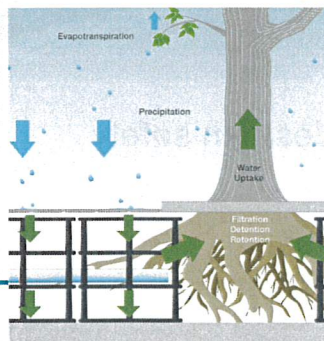
Flow-Through Planters



Green Roofs



Tree Trench



Pervious Pavement



Rainwater Harvesting



GSI Benefits

- GSI projects can achieve multiple benefits:
 - Flow reduction
 - Pollutant reduction
 - Reduced local flooding
 - Urban greening
 - Traffic calming
 - Improved bike and pedestrian safety
 - Climate resiliency
 - Increased wildlife habitat



Regulatory Requirements

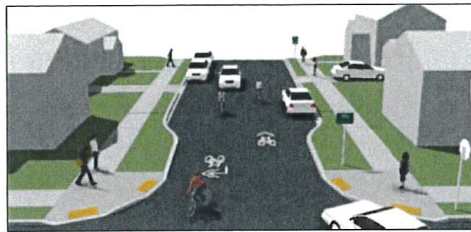
- Stormwater in Cupertino is regulated by the Regional Water Quality Control Board (SF Bay Region)
 - The City is covered by a Municipal Regional Stormwater Permit (MRP) that includes 76 Bay Area permittees
 - Cupertino and 14 other agencies participate in the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) to achieve MRP compliance
 - The MRP mandates that each permittee submit a GSI Plan to the Regional Water Quality Control Board by September 30, 2019
 - Cupertino's GSI Plan will be brought to Council for approval on August 20, 2019
-

Fiscal Impact

- The MRP requires the following commitments:
 - Develop and submit a GSI Plan by September 2019
 - Prioritize and map potential projects/areas (2020-2040)
 - Incorporate GSI concepts in related municipal plans
 - Evaluate funding options
 - Identify GSI opportunities in public projects
 - Plan implementation, track and report progress annually
 - There is no current quantitative requirement for how many GSI projects must be completed
-

Ensure Compatibility with Other City Plans

- General Plan
 - Sustainability, Transportation, Infrastructure Elements
- Climate Action Plan
- Parks Master Plan
- Bicycle Plan
- Pedestrian Plan
- Safe Routes to School
- Storm Drainage Master Plan
- Environmental staff has been incorporating GSI language in plan development during staff review comment periods



GSI Opportunity Analysis

- Cities must annually review lists of public projects and assess potential for GSI
- Lists and results of review must be reported in annual reports to Water Board
- Cupertino is following regional guidance and criteria for conducting annual review and reporting



Green Infrastructure Opportunity: Hacienda Ave, Campbell



- Road Diet
- Pavement Repair
- Bike Lane Needed



Drawing courtesy of Callendar Associates

Hacienda Avenue



Hacienda Avenue



GSI Opportunity in Cupertino: Parking Lot at Blackberry Farm



Parking Lot at Blackberry Farm



Pervious pavement and trees

Stevens Creek Trail



Pervious concrete application

Questions / Input?



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CC 07-16-19 #2

Small Cell

Presentations

SMALL CELL FACILITIES

PRESENTATION
7/16/2019



CUPERTINO

What are Small Cells

- Wireless Antenna
- Placed on Streetlights
- Compared to typical Cell Tower:
 - Smaller in size
 - Lower power output
 - Reduced coverage area



Purpose of Small Cells

- Cellular Voice & Data Use has Grown
- Wireless Spectrum - Limited & Expensive
- Reuse of Spectrum Necessary for Services
- Small Cells Effectively Reuse Spectrum
- Enhancing Capacity, Quality & Coverage
- Small Cells will enable 5G

Federal Limitations

- Health Concerns
 - Cannot Deny if within FCC RF limits
- No Prohibitions
 - Cannot Create "Impossible" Rules
- "Shot Clocks"
 - Cities have Limited Time to Review

Concerns

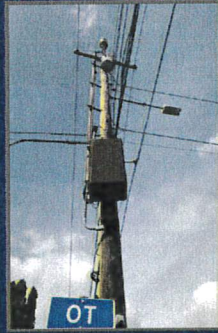
- Health Concerns
- Already Adequate Coverage
- Longer Notification
- Property Values

<https://jointventure.org/images/stories/pdf/WirelessFacilitiesImpactOnPropertyValues.pdf>

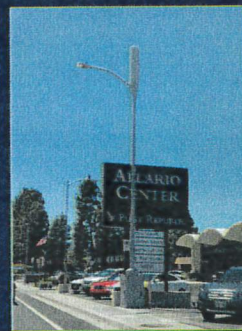
What Has Cupertino Done?

- Set Reasonable Guidelines
- Review Each Application
- Require Notification
- Established Testing Policy
- Created Acceptable Design
- Work Closely with Providers

Because we want to avoid:



Questions?



CC 07-16-19 #22

Cupertino Village Hotel

Presentations

Cupertino Village Hotel 10801 and 10805 North Wolfe Road July 16, 2019



Proposal



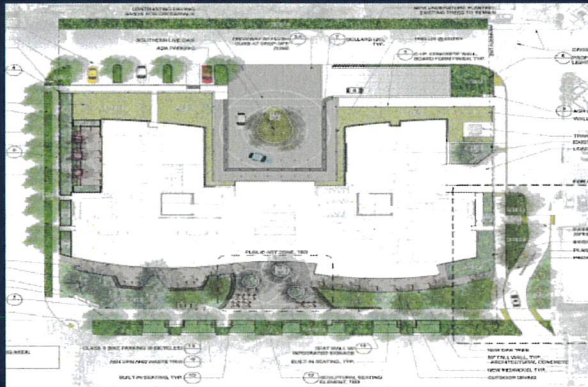
Project Data

- Hotel Rooms: 185
- Project Area: 1.72 acres
- Floor Area: 115,394 sq. ft.
- Parking Spaces: 206

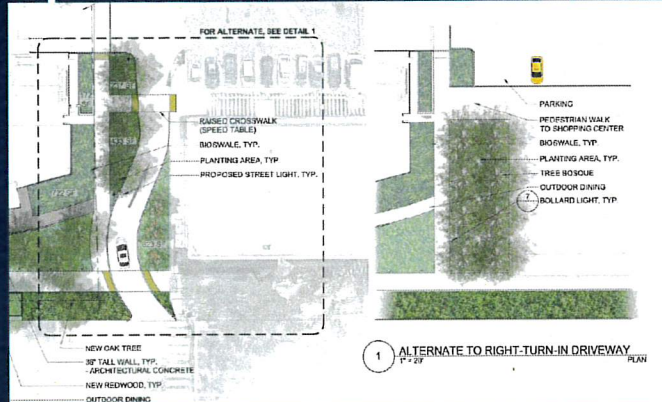
Site Plan and Architectural Design



Landscaping



Transportation and Connectivity



Environmental Review

- Air Quality
- Biological Resources
- Cultural and Tribal Resources
- Temporary Noise Levels
- Utilities

Development Agreement

- Community Amenity Funding: \$1.85 million
- Transportation Demand Management
- Transportation Management Association
- Shuttle Service
- Reduced Rates
- Meeting Rooms
- Internships

Planning Commission

- Development Agreement
- Landscaping
- Environmental Analysis
- Circulation and Traffic

Outreach

Noticing of Public Hearing and Intent, Site Notice & Legal Ad

- Site signage (10 days prior to hearing)
- Legal ad placed in newspaper (at least 10 days prior to hearing)
- 55 public hearing notices mailed to property owners within 300 feet of the project site (10 days prior to hearing)

Agenda

- Posted on the City's official notice bulletin board (one week prior to the hearing)
- Posted on the City of Cupertino's website (one week prior to the hearing)

Conclusion

Planning Commission recommends that City Council:

- Adopt the Mitigated Negative Declaration (EA-2017-05);
- Adopt the resolutions for the General Plan Amendment (GPA-2017-05), Development Permit (DP-2017-09), Architectural and Site Approval (ASA-2017-09), Tree Removal Permit (TR-2017-46), and Use Permit (U-2018-03)
- Conduct the first reading of Development Agreement Ordinance

CC 07-16-19 #23

Clean Water Storm Ballot

Presentations

2019 Clean Water & Storm Protection Ballot Initiative

Results and Next Steps
July 16, 2019



Presentation Outline

- Results of the Clean Water Ballot Initiative
- Background / Process followed
- Key elements of the proposed fee
- Fiscal impact
- Recommended actions
- Enhanced services
- Next steps

Results of the Clean Water Ballot Initiative

Total Number of Valid Ballots Processed:	4,714
Total Number of Valid Votes :	5,038
Total Number of "Yes" Votes Processed:	2,577
Total Percentage of "Yes" Votes Processed:	51.15%
Total Number of "No" Votes Processed:	2,461
Total Percentage of "No" Votes Processed:	48.85%
Total Number of "Invalid" Ballots Processed:	34

Background / Process



Background / Process Continued



Community Outreach

Community Meetings	March 20 and April 9, 13, 30
Rotary Club	April 10
Chamber of Commerce	January 16; March 1, 13, 20 and April 10
Website Launched & updated weekly in response to questions	March 5 -
Articles in Cupertino Scene	April, May, and June
Bay Area Newsgroup article	March 24, 2019
Calls and e-mails answered	March 5 - July 5
Reminder of ballot process closing at 5pm on July 5, 2019	June Scene, Clean Water website, Facebook June 28, Ballot guide (instructions and footer)



Key Elements of the Proposed Fee

- \$44.42 avg. single-family rate
- Dedicated \$1.1M revenue
- Fiscal controls
 - Annual audit
- Annual cost indexing
- Allows for future residential incentive program
- Non-residential right cost adjustment
- Low income subsidy
- Payment for use of school fields

Land Use Category	Proposed Fee FY 2019-20
Single-Family Residential *	
Small (Under 0.13 acre)	\$ 36.58 per parcel
Medium (0.13 to 0.22 acre)	\$ 44.42 per parcel
Large (0.23 to 0.40 acre)	\$ 55.50 per parcel
Extra Large (over 0.40 acre)	\$ 106.42 per parcel
Condominium 1 (1 story)	\$ 36.58 per parcel
Condominium 2+ (2+ stories)	\$ 11.99 per parcel
Non-Single-Family Residential **	
Multi-Family Residential	\$ 30.88 per 0.1 acre
Commercial / Retail / Industrial	\$ 40.38 per 0.1 acre
Office	\$ 30.88 per 0.1 acre
Church / Institutional	\$ 26.13 per 0.1 acre
School (w/playfield)	\$ 19.00 per 0.1 acre
Park	\$ 7.13 per 0.1 acre
Vacant (developed)	\$ 2.38 per 0.1 acre
Open Space / Agricultural	no charge
Low Impact Development Adjustment ***	25% Fee Reduction

Key Elements of the Initiative – Enhanced Service

- Operations & Maintenance
 - Proactive
 - Street sweeping
- Supports Clean Water
 - Ground water recharge
 - Residential incentive program
 - Education



Fiscal Impact

Revenues

- Proposed fee will supports \$1.1 million/year of Clean Storm Water Activity
- Will allow the general fund to reduce subsidy and support other important programs

Expenses

- Increased street sweeping services
- Conversion of one part time MW to full time

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Convert one part-time Maintenance Worker I to full-time

- Increased proactive maintenance and repair
 - Storm drain inlets
 - Outfall structures

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Tonight's Recommended Actions

- Adopt Resolution No 19-xxx ordering the levy of the fee for FY 19-20
- Conduct 2nd Reading of Ordinance 19-2183 adding Chapter 3.38 to the Municipal Code
- Adopt Resolution amending the FY19-20 annual operating budget to convert one part-time Maintenance Worker I level position to a full-time position

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Next Steps

- On August 20, 2019:
 - Consider amending the CUSD Joint Use Agreement to cost share new Clean Water Fees where City has use of school fields; and
 - Consider 50%/100% discount for low-income and very low-income property owners; and
 - Consider residential rebate program

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Questions?

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CC 07-16-19 #24

Sister, Friendship City Policy

Presentations

Updates to the *Policies and Guidelines on Sister Cities, Friendship Cities, and International Delegations*



CUPERTINO

**Sister City Related
Travel Expense
Reimbursements**

Reached out to:

- Palo Alto
- Mountain View
- Los Altos
- Los Gatos
- Sunnyvale
- Saratoga
- Campbell

What we learned:

- Only Mountain View, Los Gatos, Saratoga, and Sunnyvale have Sister City policies or resolutions
- None mention travel expense reimbursements
- All cities reimburse through a City or Council Travel Policy

Staff is basing its recommendation on:

- Continuing Council's fiscal stewardship and transparency;
- Demonstrating parity among the four Cupertino Sister Cities; and
- Following best practices of our neighboring cities.

Staff recommends:

Deleting:

The City will pay for 50% of one trip per year, per Councilmember, provided the trip is in conjunction with an official delegation.

Staff recommends:

Adding:

- The City will pay travel expenses, in accordance with the "Travel Policy - City Official," for up to four (4) trips per year related to official Sister City delegations.
- The four (4) trips include one (1) visit to each of the four (4) Cupertino Sister Cities.
- The Mayor will have first claim to the four (4) trips.
- The Mayor holds the right to allocate some or all of the trips to other Councilmembers.

Friendship City Cap

Cupertino Friendship Cities:

- At its peak, Cupertino had 27 Friendship City relationships
- That number has now dropped to 7
- There will be 2 renewals and 1 new application tonight
- If approved, that would bring the total to 10 Friendship City relationships

Friendship Cities in California:

- Alameda, 1
- Beverly Hills, 2
- Carson, 1
- Fresno, 1
- Irvine, 1
- Long Beach, 2
- Millbrae, 6
- Newport Beach, 2
- Oakland, 18
- Pasadena, 2
- Redondo Beach, 1
- San Francisco, 4
- Santa Clara, 1
- Santa Cruz, 2

**Sister Cities International 2018 Membership Directory*

Staff is basing its recommendation on:

- The City currently has seven (7) Friendship Cities, allowing the Council to approve an additional three (3) relationships;
- Capping the amount of Friendship Cities will free up Council and staff time to focus on establishing strong relationships with approved cities; and
- A cap on Friendship Cities ensures that adequate City time and resources are spent on the more formal Sister City relationships.

Staff recommends:

- Capping Friendship City relationships at 10



Questions?

CC 07-16-19 #26

Bike & Ped CIP

Presentations

FY 2019/20 Bike and Ped Capital Improvement Program Priority Status & Project Funding

July 16, 2019



CUPERTINO

Presentation Outline

- Bike and pedestrian projects funded prior to FY19/20
- Listing of “Top Ten” prioritized bike projects
 - Active lower priority projects
- Listing of “Top Ten” prioritized pedestrian projects
 - Active lower priority projects

Presentation Outline - continued

- How the 2016 Bicycle Plan and the 2018 Pedestrian Plan were prioritized
- Bike & Ped. Plans are a living document
- Reasons why projects may get re-distributed
- Additional funding needs for FY19/20
- Recommended actions

Bike projects funded prior to FY19/20

Stevens Creek Blvd Class IV Bike Lanes

McClellan Road Class IV Bike Lanes

Bike Boulevards, Phases 1-3

Bicycle Wayfinding Program Design

Carmen Road Bridge Feasibility Study

Junipero Serra Trail Feasibility Study

Regnart Creek Trail Feasibility Study and Design

Historic De Anza Trail Feasibility Study

McClellan Road Sidewalk Installation

Orange and Byrne Sidewalk Installation

School Walk Audit Implementation

Bike Plan – Top Ten Priority Projects

Project	Location	Start	End	Notes	Score	Initiated
Class IV Separated Bikeway	Stevens Creek Blvd	Foothill Blvd	Tantau Ave	Wolfe to Tantau in design. No funding for Foothill to Wolfe segment.	91	Y
Class IV Separated Bikeway	McClellan Rd	Byrne Ave	De Anza Blvd	Imperial to Stelling under construction.	80	Y
Configure Intersection	Stevens Creek Blvd	Stelling Rd	-	Will be completed with Stevens Creek Class IV Project, currently unfunded.	75	N
Class III Bike Boulevard	Tri School East/West Bike Blvd (#7)	Linda Vista Dr at McClellan Rd	Hyannisport Dr at Bubb Rd	Neighborhood outreach required to establish consensus on design.	75	Y
Grade Separated Crossing Study	Highway 85 Crossing	Grand Ave	Mary Ave	Unfunded	71	N

Bike Plan – Top Ten Priority Projects - continued

Project	Location	Start	End	Notes	Score	Initiated
Class I Path	Union Pacific Trail	Prospect Rd	Stevens Creek Blvd	Feasibility study in progress	71	Y
Configure Intersection	McClellan Rd	Stelling Rd	-	Part of McClellan Class IV	70	Y
Class III Bike Boulevard	Portal Ave Bike Blvd (#5)	Portal Ave at Merritt Dr	Portal Ave at Wintergreen Dr	Construction occurring in Summer/Fall 2019	70	Y
Class IV Separated Bikeway	Finch Ave	Phil Ln	Stevens Creek Blvd	Unfunded. Resources intensive.	69	N
Class III Bike Boulevard	West Cupertino North/South Bike Blvd (#9)	Orange Ave at Mann Dr	Fort Baker Dr at Hyannisport Dr	Combined with Orange Ave sidewalk project	69	Y

Bike Plan – Active Lower Priority Projects

Project	Location	Start	End	Notes	Score	Initiated
Grade Separated Crossing Study	Carmen Rd	Stevens Creek Blvd - South Side	Stevens Creek Blvd - North Side	Implemented per Council direction on March 6, 2018	62	
Class III Bike Boulevard	Mary Ave to Portal Ave Bike Blvd (#4)	Mary Ave at Meteor Dr	Portal Ave at Merritt Dr	Part of comprehensive network of bike boulevards	60	
Class III Bike Boulevard	Tri-School North/South Bike Blvd (#8)	Santa Teresa Dr at Hyannisport Dr	Terrace Dr at Bubbs Rd	Part of comprehensive network of bike boulevards	59	
Configure Intersection	De Anza Blvd	McClellan Rd	--	Part of McClellan Class IV	56	
Configure Intersection	Wolfe Rd	Stevens Creek Blvd	--	Incorporated into Stevens Creek Class IV project	55	

Bike Plan – Active Lower Priority Projects - continued

Project	Location	Start	End	Notes	Score	Initiated
Class II Buffered Bike Lane	Mary Ave	Stevens Creek Blvd	Meteor Dr	Apple funded	55	
Reconfigure wall/fence	Greenleaf Dr	Mariani Ave		Incorporated into Bike Blvd #4	52	
Class III Bike Boulevards	Civic Center to Jollyman Park Bike Blvd (#1)	Rodriguez Ave at De Anza Blvd	Jollyman Park	Incorporated into McClellan Class IV	52	
Trail Crossing	Homestead Rd	Mary Ave	--	Being addressed as part of VERBS grant in partnership with the City of Sunnyvale	49	
Class I Path	Regnar Creek Path	Pacifica Dr	Estates Dr	Implemented per Council direction on June 20, 2017	48	
Class II Bike Lane	Pacifica Dr	De Anza Blvd	Torre Ave	Incorporated into McClellan Class IV Project	33	
Class III Bike Route	Civic Center to Creekside Park Bike Route (#2)	Torre Ave at Rodriguez Ave	Estates Dr at Creekside Park Path	Part of comprehensive network of bike boulevards	28	

Ped Plan – Top Ten High Priority Projects

Project	Location	Notes	Score	Initiated
Sidewalk	McClellan Road, San Leandro to Orange	Project complete	80	Y
Sidewalk	McClellan Road, south side, Bonny Dr to McClellan Place	Will be incorporated into McClellan Class IV Stelling-to-De Anza segment	80	N
Grade separated crossing	Hwy 85 crossing, Grand Ave to Mary Ave	Unfunded	75	N
Sidewalk	McClellan Road, north side, Hwy 85 to Rose Blossom	Incorporated into McClellan Class IV	75	Y
Sidewalk	Orange Ave, Granada to Alcazar	Construction in 2020. Planning pre-dated ped plan	75	Y
Shift crosswalk to north leg. install median and RRFB	Stelling Rd at Alves Rd	Work to begin upon resource availability	75	N

Ped Plan – Top Ten High Priority Projects

- continued

Project	Location	Notes	Score	Initiated
Shorten turn lane access	Stevens Creek Blvd at Oaks entrance	To be completed as part of Oaks Development	75	N
Add right-turn phase	Stevens Creek Blvd at HWY 85 NB ramp	To be completed as part of Oaks Development	75	N
Shorten turn lane access	Stevens Creek Blvd at west entrance to De Anza College	To be completed as part of Stevens Creek Class IV project	75	N
Sidewalk	Byrne Ave, McClellan to Granada	Construction summer 2019. Planning pre-dated ped plan	70	Y
Grade separated crossing	Carmen Road at Stevens Creek Blvd	Feasibility study in progress	70	Y

Ped Plan – Active Lower Priority Projects

Project	Location	Notes	Score	Initiated
Reconfigure intersection	De Anza Blvd at McClellan Rd	Implemented per Council direction on June 20, 2017 (part of McClellan corridor)	60	Y
Reconfigure intersection	Torre Ave at Town Center Lane	Tier 1 in Bike Plan	60	Y
Shared-use path	UPRR trail	Tier 1 in Bike Plan	60	Y
Construct curb extensions	Bandley Dr at Mariani Ave	Part of comprehensive network of bike boulevards	45	Y

How the 2016 Bike Plan and the 2018 Ped Plan were prioritized

Bike projects prioritized with respect to (7) criteria:

- Safety (20 points)
- Stress Test Analysis (5 points)
- Travel Routes Near Schools (20 points)
- Network Connectivity (15 points)
- Low-Stress Network Improvements (20 points)
- Trip Generators/Attractors (10 points)
- Feasibility/Ease of Implementation (10 points)

Ped Plan Criteria

- Ped projects prioritized with respect to (4) criteria:
 - Schools (40 points)
 - Safety (20 points)
 - Destinations (25 points)
 - Connectivity (15 points)

Living Documents

Bike Plan Acknowledges Flexibility:

The project list and individual projects to be included in this Plan are flexible concepts that serve as a guideline. The high-priority project list, and perhaps the overall project list, may change over time as a result of changing walking and bicycling patterns, land use patterns, implementation constraints and opportunities, and the development of other transportation improvements."

Reasons why projects may get re-distributed

Generally occurred in order of priority listing within plans.
Deviations due to:

City Council direction

- Carmen Road Bridge Study, Council approved appropriation at March 6, 2018 with mid-year budget adjustment

Proximity to adjacent higher priority project

- Bike Boulevards combined to complete network
- SCB/Wolfe, Greenleaf/Mariani, Bandley/Mariani, Pacifica Dr bike lanes combined with other projects

Reasons why projects may get re-distributed *continued*

Outside funding availability (Apple)

- Mary Ave Class II (\$165K) – NEW project
- Bubbb Road Class II (\$1.98M) – NEW project
- McClellan Road Separated Bikeway (\$2M)
- De Anza/McClellan Signal Mod (\$160k)
- McClellan Road Sidewalk Improvement (\$2.465M)
- Junipero Serra Trail Design (\$1.8)

Reasons why projects may get re-distributed continued

Outside funding availability (other)

- Homestead Rd/Mary Ave (\$1.265M, VERBS + Sunnyvale)
- McClellan Road Separated Bikeway (\$1.23M grants)
- Bike Blvd (\$219K grant)
- Linda Vista Trail (land donation) – NEW project

Additional funding needs for FY19/20

Project	Original Budget	Estimated New Budget	Increase/ <Decrease>	Outside Funding	Additional Required
Orange & Byrne Ave Sidewalk project	\$3,888,000	\$5,163,438	\$1,275,438	0	\$1,275,438
Linda Vista Trail	0	\$595,000	\$595,000	0	\$595,000
McClellan Road Bike Corridor: Byrne to Torre	\$5,289,000	\$8,830,000	\$3,541,000	\$3,298,059	\$242,941
Bicycle Wayfinding Project	\$50,000	\$115,000	\$65,000	0	\$65,000
				TOTAL	\$2,178,379

Orange & Byrne Sidewalk

- Located between McClellan Road and Granada Avenue
- Original Estimate \$3,888,000
- Revised estimate based on latest cost data received from recently bid McClellan Sidewalk and McClellan Bike Corridor projects.
- Byrne Bid Opening July 30, 2019
- Orange Avenue Sidewalk: Bid Opening Spring 2020
- Additional Funding Required: \$1,275,438

Orange & Byrne Site Map

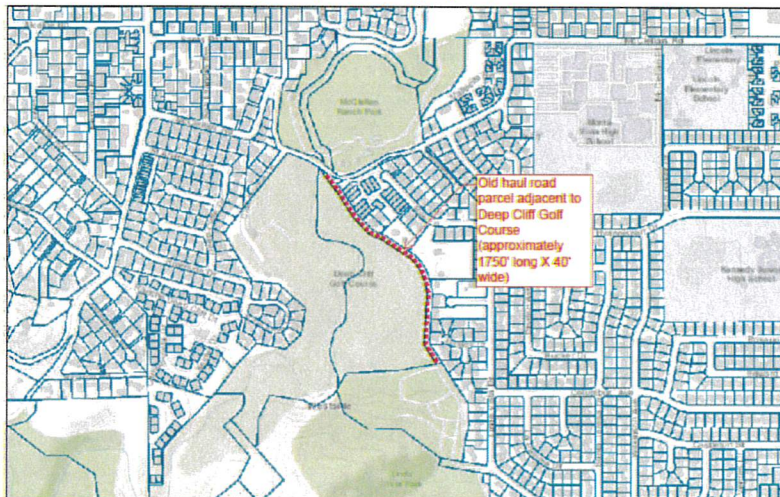


Linda Vista Trail

- Located between McClellan Road and Linda Vista Park, east of Deep Cliff Golf Course.
- Trail envisioned in General Plan 2040, 2016 Bicycle Transportation Plan & 2018 Pedestrian Transportation Plan
- Pedestrian Pathway Only with minimal improvements (not ADA compliant, paved or multi-use)
- Minimal grading with minor improvements to protect privacy of adjacent property owners
- Estimated Cost: \$595,000

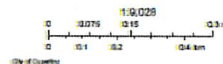
City of Cupertino Property Information

Attachment A



August 23, 2018

Parcel/Condos



City of Cupertino

Existing Haul Road Condition



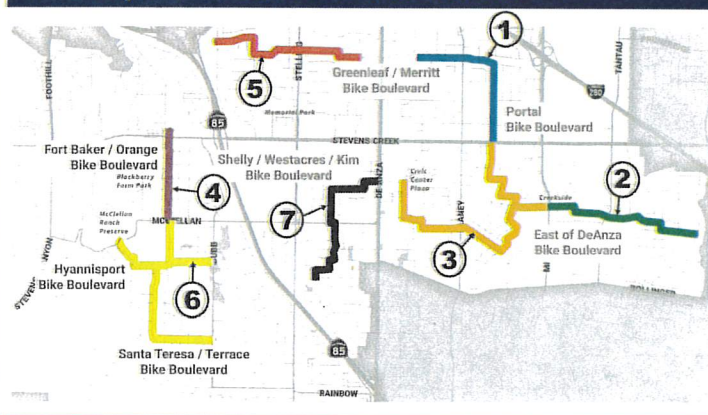
McClellan Rd Bike Corridor: Byrne to Torre

- Physically separated bikeway from travel way
- Right-of Way acquisition is required between Byrne to Imperial and Stelling to De Anza to maintain two vehicle lanes and center left-turn lane
- Original estimate 4-years ago
- Additional funding required: \$242,941

McClellan Rd Bike Corridor: Byrne to Torre



Bicycle Boulevard Network



Recommended Actions

Adopt Resolution 19-XXX amending the FY 2019/20 Capital Improvement Program budget to include additional funding for bicycle and pedestrian projects as follows:

- Approve an additional \$1,275,438 for the Orange & Byrne Ave Sidewalk project;
- Approve an additional \$242,941 for the McClellan Road Bike Corridor: Byrne to Torre;
- Approve an additional \$65,000 for the Bicycle Wayfinding Project;
- Approve a new amount of \$595,500 for the Linda Vista Trail project

Questions