

### Santa Rosa Bicycle & Pedestrian Master Plan Update 2018

Bicycle & Pedestrian Master Plan Update 2018

Amendment to General Plan

- February 2011: City Council adopted the BPMP and the mitigated negative declaration
- November 2018: Bicycle and Pedestrian Advisory Board (BPAB) and the Waterways Advisory Committee (WAC) provided input on the Draft Plan Update 2018
- January 2019: BPAB by motion recommended City Council adopt the Plan Update and approve amending General Plan
- February 2019: Planning Commission unanimously recommended Plan Update adoption and approval of GPA

#### The Plan Update 2018 focuses on:

- reviewing and updating information for projects, programs, policies and bicycle and pedestrian design guidelines
- integrating emerging initiatives, such as SMART passenger rail service and bike share

The Plan Update 2018 is a critical tool for guiding City staff, the BPAB and the development community in building an active transportation system that is bicycle and pedestrian "friendly"

City has approximately -

- 31 miles of Class I paths
- 67 miles of Class II bicycle lanes
- 1.6 miles of Class II bicycle boulevards

### Community Engagement

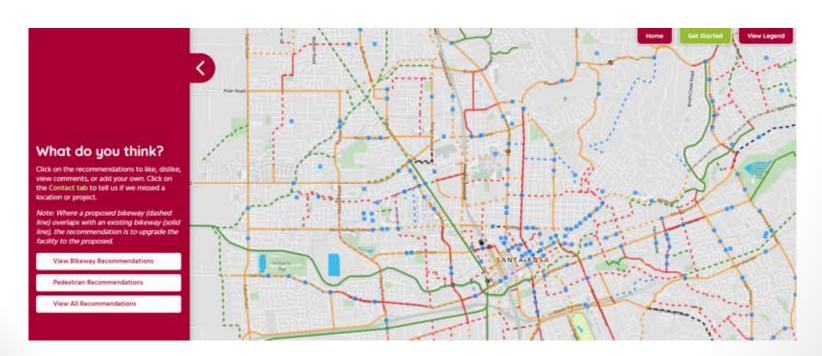
- Community Engagement was a major component
  - √ Community open houses (3)
  - ✓ Pop up events (6)
  - √ Stakeholder interviews (11)
  - ✓ Project flyers
  - ✓ Project website/Social media
  - √ Community survey (1,300 responses)
  - ✓ Interactive mapping tool (2,100 comments and votes)
  - √ E-mail distribution (11,000 newsletter subscribers)
  - ✓ Local newspaper/radio/media alerts

## Outreach: Community Meetings



### Outreach: Online

- 1,300 Community Survey responses
- 2,100 Interactive Mapping Tool comments and votes
- 11,000 City Newsletter subscribers
- City Website and Social Media



# Outreach: Board, Commission & Council Meetings

- 8 Bicycle and Pedestrian Advisory Board meetings
- 3 Waterways Advisory Committee meetings
- 1 Community Advisory Board meeting
- Planning Commission (February 14, 2019)
- City Council (March 12, 2019)

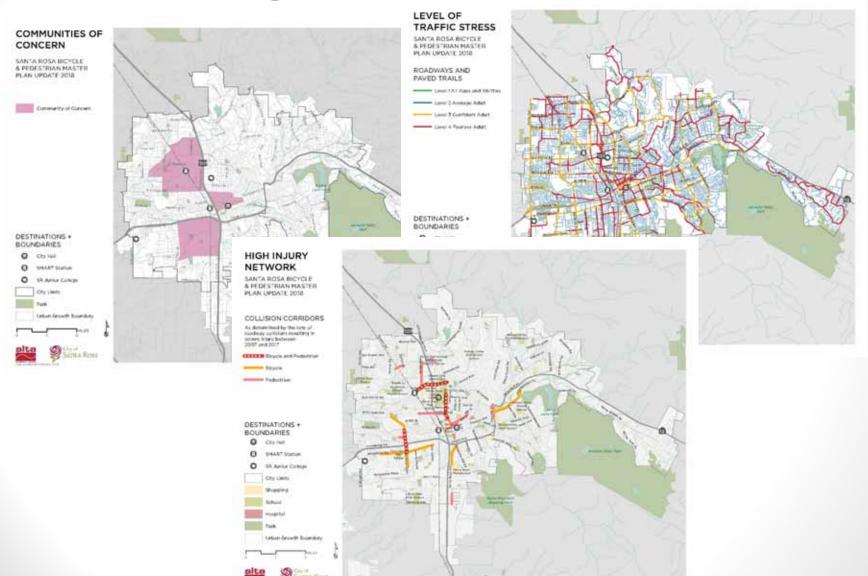


BPAB meeting

## Components of the Plan Update

- Existing Conditions and Needs
- Vision and Goals
- Programs and Policies
- Recommendations Bikeways
- Recommendations Pedestrian
- Proposed Crossing Enhancement Locations and Trail Bridges
- Implementation First Phase and Funding
- Bike & Pedestrian Facility Guidelines

## **Existing Conditions & Needs**



### Vision & Goals

Santa Rosa is a community where walking and bicycling are comfortable, convenient, and common for people of all ages and abilities.

# **Goal 1: Increase Comfort**

Design bicycle and pedestrian facilities that are accessible and comfortable for people of all ages and abilities to use

# Goal 2: Maintain and Expand the Network

Identify, develop, and maintain a complete and convenient bicycle and pedestrian network

# Goal 3: Support a Culture of Walking and Biking

Increase awareness and support of bicycling and walking through programs and citywide initiatives

### Programs & Policies

#### **Bicycle Friendly Community advancement**

#### SANTA ROSA

BICYCLE-FRIENDLY COMMUNITY STATUS

	12 TRANSM	ver	Gold	Platinum	Diamond
	T KEY OUTCOMES				
X	10.2 Fatalities per 10k daily commuters	1.4	0.6	0.5	0.2
X	774 Crashes per 10k daily commuters	180	100	90	50
X	1.0% Ridership percent of commuters wh	o bicycle 3.5%	5.5%	72%	20%
	<b>▼</b> ENFORCEMENT				
7	Bicycle-Friendly Laws			VERY GOOD	EXCELLENT
4	Law Enforcement Liaison				YES
	@ EVALUATION				
3	Bicycle Program Staff Position Va	cant			1 PER TOK CITIZENS
7	Bicycle Plan current and being implement	ed :		1	YES
	ENGINEERING	-			
7	Arterial Streets was one work				90%
	33% of Road Miles have Bikeways			1	70%
7	Bike Access to Public Transportation		The state of the s	VERY GOOD	EXCELLENT
	EDUCATION				
	26-50% of Schools Offer Bike Educa	ition			80%
7	Adult Bike Education annual offerings				MONTHLY
7	Bike Education Outreach			VERY GOOD	EXCELLENT
	Q ENCOURAGEMENT				
7	Active Bike Clubs and Events				YES
7	Bike Month and Bike to Work Events	C:			EXCELLENT
7	Active Bicycle Advisory Committee			YES	YES
7	Active Advocacy Group			YES	YES
7	Recreational Facilities			YES	YES

### Programs & Policies

#### Vision Zero (VZ) Policy

#### TRADITIONAL APPROACH

Traffic deaths are inevitable

Perfect human behavior

Prevent collisions

Individual responsibility

Saving lives is expensive

#### VC

#### VISION ZERO

Traffic deaths are preventable

Integrate *human failing* in approach

Prevent fatal and severe crashes

Systems approach

Saving lives is not expensive

# Vehicle Miles Traveled (VMT)

SB 743 changes CEQA guidelines on measuring transportation impacts from Level of Service (LOS) to Vehicle Miles Traveled (VMT)

# Programs & Policies: Emerging Projects

#### **SMART Corridor**

Aug 2017-Aug 2018:

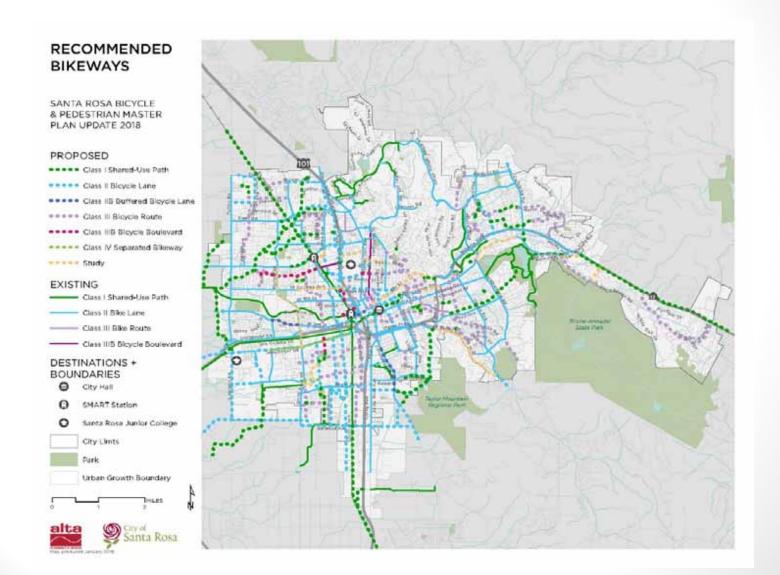
- 723,000 passengers
- 65,500 bicycles

#### **Bike Share**

Startup 2019



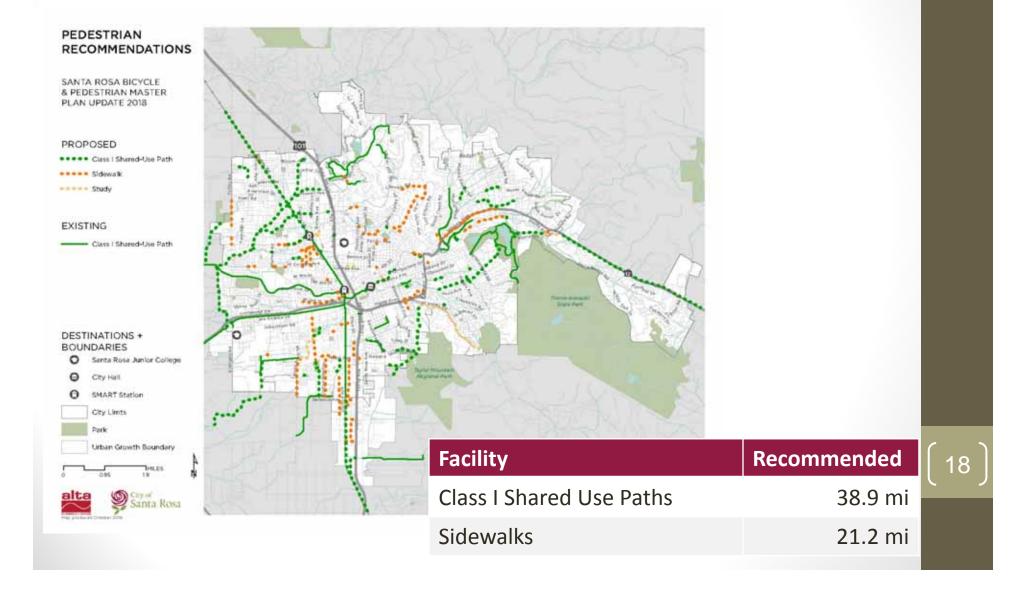
### Recommendations: Bikeways



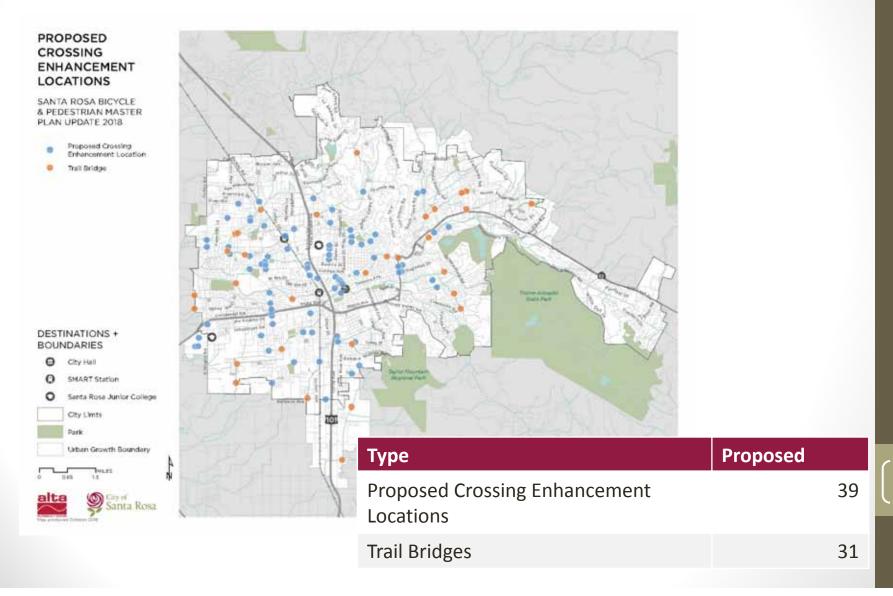
## Recommendations: Bikeways

Bikeway Type	Existing	Recommended
Class I Shared Use Paths	30.9 mi	38.9 mi
Class II Bicycle Lanes	67.1 mi	48.5 mi
Class II Buffered Bicycle Lanes	0.2 mi	1.9 mi
Class III Bicycle Routes	12.8 mi	35.3 mi
Class III Bicycle Boulevard	1.6 mi	2.5 mi
Class IV Separated Bikeways	-	2.2 mi

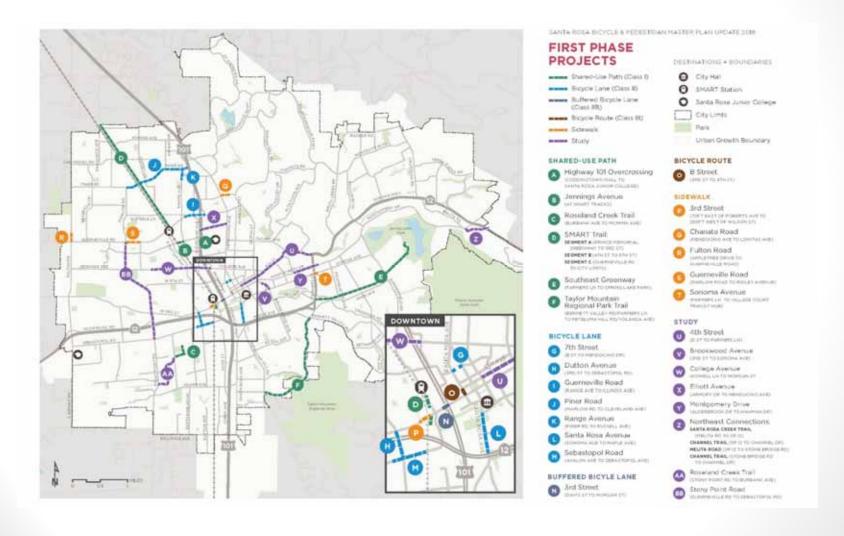
### Recommendations: Pedestrian



# Proposed Crossing Enhancement Locations



### Implementation: First Phase



## Implementation: Funding

FUNDING SOURCE	ON-STREET BIKEWAYS	TRAILS	SAFE ROUTES TO SCHOOL	SAFE ROUTES TO TRANSIT	CROSSING/ INTERSECTIONS	PROGRAMS	STUDIES
Local and Regional Programs							
Transportation Funds for Clean Air (SCTA)	•	•	•	•	•		
Bicycle Facilities Program (BAAQMD)	•	•	•	•			
One Bay Area (MTC)	•		•	•			
Transportation Development Act, Article 3 (SCTA)	•		•	•	•		
Measure M (SCTA)	•	•	•		•		
Regional Measure 3 (MTC)							

FUNDING SOURCE	ON-STREET BIKEWAYS	TRAILS	SAFE ROUTES TO SCHOOL	SAFE ROUTES TO TRANSIT	CROSSING/ INTERSECTIONS	PROGRAMS	STUDIES
Competitive Grant Programs					161	74	86
Active Transportation Program (CTC)	•	•	•	•	•	•	
Sustainable Transportation Planning Grants (Caltrans)							•
Highway Safety Improvement Program (Caltrans)	•		•	•	•		
Solutions for Congested Corridors (CTC)	•	•			•		
Office of Traffic Safety (CA OTS)						•	
Recreational Trails Program (CA DPR)		•					
Affordable Housing & Sustainable Communities (CA HCD)	•			•		•	
Cultural, Community, and Natural Resources (CA NRA)		•					
Urban Greening Grants (CA NRA)	•	•	•	•			

## Bicycle and Pedestrian Facility Guidelines

#### Design Needs of Sunners.

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Design Needs of Strollers

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#### **Buffered Bicycle Lanes**

Buffered bile tenes are conventional bicycle lanes paired with a designated buffer space, separating the bicycle lane from the adjacent motor vehicle travel lane and/or parking lane.

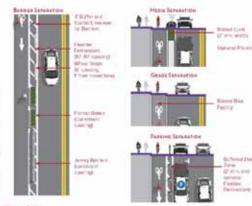


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#### Separated Bikeway Barriers

Separated bilieways may use a variety of vertical elements to physically separate the blickway from adjacent travel lanes. Barriers may be robust constructed elements such as curbs, or may be more interim in nature, such as flexible defineator posts



#### Typical Use

#### Appropriate barriers for retrofit projects:

- a Foliad Con-
- · Feeble delegance
- Thebrie
- Fining ston

#### Appropriete barriers for reconstruction projects:

#### a Cab Incartai

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- Territorio Refuge serves.

Replace figure 5-2 Bicycle Corridors with the "Recommended Bikeways"

Amend the text -

Bicycle Facilities (5-6) - pages 5-10,

5 - 11, 5 - 12

Pedestrian Facilities (5-7) - page 5 - 14

Bicycle Facilities (5-6) - page 5-10

Increase miles of designated bikeways

• 180 to 242 miles

Add – 3 new Bikeway Categories

- Class IIB (Buffered bike lane)
- Class IIIB (Bicycle boulevard)
- Class IV Separated bikeway

Bicycle Facilities (5-6) – pages 5-11 and 5-12

Add text from Plan Update related to criteria used to determine bikeway categories

Bicycle Facilities (5-6) - page 5-12

Change miles of designated bikeways

- Class IV 2 miles
- Class III 48 miles
- Class IIIB 4 miles
- Class II 116 miles
- Class IIB 2 miles
- Class I 70 miles

Bicycle Facilities (5-6) - page 5-12

Change to 5 criteria used to prioritize bike and pedestrian projects

- Collision reduction
- Connectivity
- Comfort network
- Gap Closure
- Equity

Pedestrian Facilities (5-7) - page 5 - 14

Remove existing text and replace with text from Plan Update related to sidewalks, pathways, proposed crossings and trail crossings

### Planning Commission Recommendations

- Hire a Bicycle and Pedestrian Coordinator
- Review the Plan Update
- Adopt Vision Zero
- Adopt the Vehicle Miles Travelled (VMT)
   Standard to Evaluate Traffic Impacts
- Add text from Plan Update related to criteria used to determine bikeway categories (Bicycle Facilities 5-6)

### RECOMMENDATION

It is recommended by the Planning Commission and the Transportation and Public Works
Department that Council, by resolution, adopt the Bicycle and Pedestrian Master Plan Update 2018 and approve a General Plan Amendment, consistent with the Bicycle and Pedestrian Master Plan.