

CITY OF SANTA ROSA
BICYCLE AND PEDESTRIAN ADVISORY BOARD
STAFF REPORT
April 19, 2018

SUBJECT

*Bicycle and Pedestrian Master Plan
Update 2018 – Draft Design Guidelines*

ISSUE

Discuss the draft Design Guidelines for the Bicycle & Pedestrian Master Plan Update 2018.

STAFF PRESENTER

Jeff Knowles, Alta Planning + Design

RECOMMENDATION

No action is required. The Board may provide input on the draft Design Guidelines for the Plan Update 2018.

BACKGROUND

Plan Update Process

The Consultant (Alta Planning + Design), based on their scope of work, is developing design guidelines for bicycle and pedestrian facilities. The Design Guidelines are being developed in conjunction with the Santa Rosa Bicycle & Pedestrian Master Plan Update 2018. The Guidelines will help identify and describe preferred and acceptable design standards for infrastructure in the community based on current best practices.

ANALYSIS

Alta has developed draft design guidelines for bicycle and pedestrian facilities in the City of Santa Rosa based on current engineering best practices that support a comfortable, inviting walking and bicycling experience while meeting or exceeding state and federal standards. The Design Guidelines will complement the Bicycle & Pedestrian Master Plan Update 2018 by providing a toolbox of engineering approaches to implement bicycle and pedestrian facilities in the City.

All walkway and bikeway design standards in the document meet or exceed minimums established by the Americans with Disabilities Act (ADA). All traffic control devices, signs, and pavement markings used or identified in the document conform to the California Manual on Uniform Traffic Control Devices (CA MUTCD) as adopted by Caltrans and supplemented by the Caltrans Highway Design Manual.

The Design Guidelines outlines the design needs of pedestrians and bicyclists and provides engineering solutions to meet those needs. Each topic includes a brief introduction, typical use criteria, design features, further considerations, materials and maintenance, and approximate costs.

The Pedestrian Toolbox includes the following topics:

- Marked Crosswalks
- Raised Pedestrian Crossings

- Sidewalk Zones
- Curb Ramps
- Curb Extensions
- Median Refuge Islands
- Pedestrian Signalization Improvements
- Rectangular Rapid Flashing Beacon
- Pedestrian Hybrid Beacon

The Bicycle Toolbox includes the following topics:

- Lane Reconfigurations and Road Diets
- Bicycle Boulevards
- Shared Lane Markings
- Standard Bike Lanes
- Buffered Bike Lanes
- One-Way Separated Bike Lanes
- Two-Way Separated Bike Lanes
- Lateral Shift
- Protected Intersection
- Separated Bicycle Signal Phase
- Separated Bikeway Barriers
- Separated Bikeways at Driveways
- Bicycle Box
- Colored Pavement Treatments

The Mixed Use Toolbox includes the following topics:

- Shared Use Paths
- Sidepaths

Alta is seeking feedback from the Board on the draft Design Guidelines, including:

1. Do the design needs for bicyclists and pedestrians capture all active transportation users in Santa Rosa? Are there additional user types in the community that are not represented here?
2. Are there local or regional examples of features that should be included in this document?
3. Are the guidelines described in sufficient detail, or are there areas where further clarification would be helpful?

RECOMMENDATION

No action is required. The Board may provide input on the draft Design Guidelines for the Plan Update 2018.