

Active Transportation Workshop

CITY COUNCIL OCTOBER 16, 2023



Overview



1) Introduction & Background

- Benefits of Active Transportation & Alignment with Council Goals
- Complete Streets & Active Transportation Design Principles
- 2) Update on Active Transportation Planning Efforts, Projects, & Initiatives
 - Planning Efforts
 - Projects
 - Initiatives
 - 3) Discussion

Petaluma Golf & Country Club

What is Active Transportation?



Any form of mobility that is permitted to use bicycle and pedestrian infrastructure (sidewalks, bike lanes, multi-use trails, etc.):

- Walking, Jogging
- Using Assistive Mobility Devices (wheelchairs, adaptive scooters, etc.)
- Bicycling
- Riding scooters, skateboards, etc.

Benefits of Active Transportation

Improves public health	Reduces air and water pollution	Reduces transportation costs
Improves equity	Provides universal basic mobility	Supports more efficient land use patterns



PRIORITY

NEUTRALITY

Alignment with Recent Council Actions

(SLOW STREETS)

- Accessibility
- All Ages & Abilities Bikeways
- Traffic Calming & Vision Zero
- Streets for People
- Resilient / Green
 Streets



Provide universal access on streets and sidewalks for people with visual, hearing, and mobility impairments

- Accessibility
- All Ages & Abilities Bikeways
- Traffic Calming & Vision Zero
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 Streets



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THE FOUR TYPES OF BICYCLISTS

- **1. Strong and Fearless (7%)**: People willing to bicycle with limited or no bicycle-specific infrastructure
- 2. Enthused and Confident (5%): People willing to bicycle if some bicycle-specific infrastructure is in place
- 3. <u>Interested but Concerned (51%)</u>: People willing to bicycle if high-quality bicycle infrastructure is in place
- **4. No Way, No How (37%)**: People unwilling to bicycle even if high-quality bicycle infrastructure is in place

- Accessibility
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 Streets



GUIDANCE FOR ALL AGES & ABILITIES (AAA) BIKEWAYS

- As traffic speed and volume increase, so does the need for separation from vehicle traffic.
- On streets with more than 6000 vehicles/day, speeds exceeding 25 MPH, or multiple lanes in each direction, protected bike lanes are needed.



- Accessibility
- All Ages & Abilities Bikeways
- Traffic Calming & Vision Zero
- Streets for People
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 Streets



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 Streets



Permanent Bulb-out

Quick-Build Bulb-out



- Accessibility
- All Ages & Abilities Bikeways
- Traffic Calming & Vision Zero
- Streets for People
- Resilient / Green
 Streets

Chicanes





Speed Cushions

Traffic Circles



- Accessibility
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 Streets

Slow / Shared Streets

Photo: Crissy Pascual / Argus Courier







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 Streets

Tree Canopy



Stormwater Filtering & Capture



Cypress Hills Cemetery

irgrounds

Planning Efforts

Mission Dr

Sinear

Haystack

- Active Transportation Plan
- CityThread
- 101 Crossings
 Study (Corona, Rainier, Lynch Creek, McKenzie)
- Lakeville Corridor
 Study

OVERVIEW

- Update to Bicycle & Pedestrian Master Plan (2008)
- Blueprint for active transportation (AT) network and priorities:
 - Infrastructure Projects
- Engineering / Education / Encouragement / Enforcement
 - Current draft goal areas:
 - Vision Zero by 2030
 - Build the Network by 2030
 - Beautiful & Well-Maintained Streets & Trails
 - Normalize & Celebrate

- Active Transportation Plan
- CityThread
- 101 Crossings
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PLAN DEVELOPMENT

- Updated projects from Bicycle & Pedestrian Master Plan (2008) to reflect current best practices
- Review of Local Road Safety Plan, Sonoma County Vision Zero Action Plan, and Safe Routes to School studies/surveys
- Recommendations from Petaluma Equitable
 Climate Action Coalition
- PBAC Ad Hoc Committees
- Online & In-Person Engagement

https://storage.googleapis.com/proudcity/petalumaca/uploads/2019/05/GP-Bike-and-Ped-Plan.pdf

- Active Transportation
 Plan
- CityThread
- 101 Crossings
 Study (Corona, Rainier, Lynch
 Creek, McKenzie)
- Lakeville Corridor Study

INTERACTIVE PROJECT MAP



Active Transportation Plan Timeline

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
Interactive Map, Feedback Form, & Open House									
PBAC Status Updates & Targeted Feedback									
Draft Plan - Staff Review									
Draft Plan - PBAC Review									
Draft Plan - Planning Commission Review									
Draft Plan - City Council Review									



Active Transportation Plan Open House

- Wednesday, October 25, 6-8 PM at Community Center
- Provide input on proposed projects, vision, goals, and actions
- <u>cityofpetaluma.org/active-</u> <u>transportation-plan</u>

 Active Transportation
 Plan

CityThread

- 101 Crossings
 Study (Corona, Rainier, Lynch Creek, McKenzie)
- Lakeville Corridor Study



National, non-profit 501(c)(3) consulting team

Helped 5 U.S. cities construct 335 miles of new bikeways in 2 years

Developed the Accelerated Mobility Playbook (AMP) to help other cities advance mobility projects

Launched the grant-funded AMP Technical Assistance program in 10 U.S. cities in 2023

 Active Transportation
 Plan

CityThread

- 101 Crossings
 Study (Corona, Rainier, Lynch
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 Study

City Thread

ACCELERATED MOBILITY PLAYBOOK KEY TAKEAWAYS

- City has great potential for mode shift
- AT Plan will be key to establishing shared vision and priorities
 - Simplify messaging & community engagement process
 - Community coalition building: "Less Stress, More Safe"
 - 25 miles mobility corridors by 2026
- Prioritize easy-to-implement projects / key gap closures

- Active Transportation Plan
- CityThread
- 101 Crossings
 Study (Corona, Rainier, Lynch
 Creek, McKenzie)
- Lakeville Corridor
 Study



- Develop conceptual plans for new or improved active transportation crossings of US-101 at Corona Road, Rainier Avenue, Lynch Creek Trail, & McKenzie Avenue
- Funded by Sonoma County Transportation Authority
- Expected study completion late 2024

- Active Transportation Plan
- CityThread
- 101 Crossings
 Study (Corona, Rainier, Lynch
 Creek, McKenzie)
- Lakeville Corridor
 Study



- Develop near, mid, and long-term recommendations for Lakeville corridor (Petaluma Blvd. North – City Limits), including potential parallel AT alternatives
- Engage Caltrans on study
- Currently unfunded (two grant applications submitted)

Projects

- 1) Citywide Overview
 2) Case Studies:
 - Rainier Avenue
 - D Street
- 5th Street



Petaluma Boulevard South Complete Streets Project - Before and After



I Street Speed Reduction and Lane Markings - Before and After



Windsor Drive Ped Crossing Safety and Bike Lane Markings - Before and After



N. McDowell Blvd. Complete Streets Project - Before and After (K-71 pylons in the bike lane buffer zone)

Citywide Projects

- Grant Activity
- CIP Projects

GRANT FUNDED / PARTIALLY FUNDED

- Downtown Parking Study
- Bike Lanes on Sunnyslope Ave. and Windsor Dr.
- Citywide Bike Parking (76 racks in FY24)
- Caulfield Lane Complete Streets Project

GRANT APPLICATIONS PENDING

- Lakeville Corridor Study
- Citywide Intersection & Crosswalk Improvements
- Design Assistance for AT Plan Buildout

GRANT APPLICATION IN DEVELOPMENT

• River Trail / 101 Undercrossing
Citywide Projects

- Grant Activity
- CIP Projects

CONSTRUCTION

- N. McDowell Complete Streets
- Garfield Drive Improvements
- Citywide Bike Parking (76 racks in FY24)
- Maria Drive Street Rehabilitation (out to bid)

DESIGN

- Lynch Creek Trail Improvements
- Howard Street Improvements
- Rainier Avenue Complete Streets
- Caulfield Bridge Crosstown Connector
- D Street Traffic Calming Quick-Build
- 5th Street Neighborhood Greenway Quick-Build

Citywide Projects

- Grant Activity
- CIP Projects

PLANNING

- River Trail / 101 Undercrossing
- Citywide Bike/Ped Wayfinding
- 101 Crossings Study
- Casa Grande Road Complete Streets
- Caulfield Lane Complete Streets
- St. Francis Drive Improvements
- N. Webster Street Improvements
- Western Avenue Improvements

- Project Overview
- Community
 Engagement &
 Design
 Development
- Demonstration
 Project
- Feedback & Data
- Feedback Needed



Demonstration Location: N. McDowell Blvd. – Maria Dr.
 Paving Project: N. McDowell Blvd. – Sonoma Mtn. Pkwy.

- Project Overview
- Community
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ISSUES & CONSIDERATIONS

- Utilities to be improved/replaced
- Pavement replacement needed
- Arterial roadway, but traffic volume well below capacity of four-lane road
- Low parking utilization
- Documented speeding issues
- Existing Class II (painted) bike lanes

- Project Overview
- Community Engagement & Design Development
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Initial Proposal: Paint-Buffered Bike Lanes Presented to PBAC in June & July 2021

PBAC FEEDBACK

Strong preference for <u>protected</u> bike lanes

- Project Overview
- Community Engagement & Design Development
- Demonstration
 Project
- Feedback & Data
- Feedback Needed



Updated Proposal: Westbound Parking-Protected Bike Lane / Eastbound Paint-Buffered or Protected Bike Lane

(Presented to Rainier Avenue Residents February & March 2022)

NEIGHBORHOOD CONCERNS

- On-street parking supply
- Entering and exiting parked cars
- Sight distance from driveways
- Garbage collection and mail delivery
- Street sweeping





Trash and recycling will be placed on the sidewalk or

between the bikeway and the vehicle lane in the 20-foot

no parking zones on either side of each driveway

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Garbage and mail vehicles

can pull over without holding up traffic in the vehicle lanes Street sweepers have enough

room to safely clean the

bikeway and street



- Project Overview
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COMMUNITY FEEDBACK

- Challenges seeing oncoming traffic when pulling out of driveways
- Some complaints about difficulty entering/exiting parked cars on driver side
- Unpopular among drivers who responded to survey; general confusion / unfamiliarity with configuration, opposition to lane reduction
- Popular among people who bike

- Project Overview
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- Demonstration
 Project
- Feedback & Data
- Feedback Needed

TRAFFIC DATA

Before & After Comparison on Demonstration Stretch
 85% speed reduced 3 MPH (40 to 37 MPH)

- No outlier speeds over 45 MPH (before: outlier speeds over 50 MPH)
- Comparison with Non-Demonstration Stretch (north of Maria)
 - 85% speed 5 MPH lower in demonstration section
- No adverse congestion impacts
- No reported collisions since demonstration installation in Summer 2022
 - Average of 0.6/year prior to demonstration



EXISTING: Pre-demonstration configuration



OPTION 1: Demonstration configuration (with addition of delineators in eastbound buffer)



OPTION 2: Westbound parking; eastbound wide protected bike lane / westbound paint-buffered bike lane

- Project Overview
- Community
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- Demonstration
 Project
- Feedback & Data
- Feedback Needed

DISCUSSION POINTS

- Seeking comments and feedback on Option 1 demonstration project
- Data supports 4-to-3 lane conversion
- All Ages & Abilities design guidance supports protected bikeways in both directions (Option 1)
- Seeking feedback on Options 1 and 2

- Project Overview
- Community Engagement & Design Development
- Baseline Improvements
- Bike Lanes & Parking
- Feedback Needed



Location: Petaluma Boulevard South – City Limits

- Project Overview
- Community Engagement & Design Development
- Baseline Improvements
- Bike Lanes & Parking
- Feedback Needed

ISSUES & CONSIDERATIONS

- Water and sewer main replacement
- Pavement replacement
- Identified in Sonoma County Vision Zero Action
 Plan High-Injury Network
- Four priority intersections identified in Local Road Safety Plan
- Documented speeding issues south of 6th Street
- Designated truck route
- Proposed Class II (painted) bike lanes in *Bicycle* & *Pedestrian Master Plan* (2008)

- Project Overview
- Community Engagement & Design Development
- Baseline
 Improvements
- Bike Lanes & Parking
- Feedback Needed

ENGAGEMENT & DESIGN DEVELOPMENT

- Review existing plans, including feedback in Local Road Safety Plan
- Review collision, speed, and parking data
- Community Workshop #1 (October 2022)
 70 attendees
- Presentation to Pedestrian & Bicycle Advisory Committee (November 2022)
- Round 1 Online survey (October November 2022)
 - 138 responses

- Project Overview
- Community Engagement & Design Development
- Baseline
 Improvements
- Bike Lanes & Parking
- Feedback Needed

COMMUNITY PRIORITIES FROM INITIAL OUTREACH

Improve pedestrian crossings



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Slow down traffic



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Improve traffic congestion

Improve bike lanes

- Project Overview
- Community
 Engagement &
 Design
 Development
- Baseline
 Improvements
- Bike Lanes & Parking
- Feedback Needed









BASELINE IMPROVEMENTS (Phase I)

- Project Overview
- Community Engagement & Design Development
- Baseline
 Improvements
- Bike Lanes & Parking
- Feedback Needed



- New / improved crosswalks
- Install bulb-outs
- Install speed
 feedback
 radar sign



- Install speed
- reduction lane markings
- Install bike lanes



Initial Bike Lane/Parking Options 4th St. to Laurel Ave.



EXISTING: No bike lanes; parking in both directions



OPTION A: Bike lanes in both directions; parking in one direction (PROPOSED)



OPTION B: Bike lane in one direction; parking in both directions



OPTION C: Buffered/protected bike lanes in both directions; no parking

- Project Overview
- Community Engagement & Design Development
- Baseline Improvements
- Bike Lanes & Parking
- Feedback Needed

4th Street – 8th Street

Direction	Average # Cars	Average Utilization
Outbound	5	9%
Inbound	14.3	26%

8th Street – Laurel Avenue

Direction	Average # Cars	Average Utilization
Outbound	6.7	12%
Inbound	2.7	5%

- Conducted three counts (weekdays, non-holiday, school in session) at 7 AM, 2:30 PM, and 12 AM
- Utilization ranged from 12-15% (14% avg.)
- On street parking is important or needed for some
- Proposed design provided parking on side of street where utilization is higher in each segment

- **Project Overview**
- Community **Engagement &** Design Development
- Baseline Improvements
- **Bike Lanes &** Parking
- Feedback Needed

BIKE LANE CONSIDERATIONS



Bike Routes

- Class I Off Street Existing
- Class I Off Street Proposed
- Class II On Street, Striped Existing
- Class II On Street, Striped Proposed
- Class IIB On Street, Buffered Existing
- Class III On Street, Signed Existing
- Class III On Street, Signed Proposed
 - Recreational Trail Existing
- Recreational Trail Proposed

- Project Overview
- Community Engagement & Design Development
- Baseline Improvements
- Bike Lanes & Parking
- Feedback Needed

DISCUSSION POINTS

- Proceeding with Phase 1 (Baseline Improvements)
 - Design underway
 - D Street Phase 1 & 5th Street quick-build projects to be bid together in late 2023/early 2024
- Future Policy Considerations for Phase 2:
- In cases where proposed bike lanes require parking removal or consolidation, how does the City decide which is the better use of limited rightof-way?
- Potential criteria could include compatibility with plans, parking utilization, adjacent land use, availability of a parallel bike route, etc.

5th St. Neighborhood Greenway

- Project Goals
- Why 5th Street?
- Feedback
 Received

PROJECT GOALS

- Safe, slow, quiet street (traffic calming elements)
- Inviting for walking, bicycling, and rolling
 - Easy crossings of major streets
 - Pilot and inspire future neighborhood greenways throughout Petaluma

Why 5th Street?

3 streets run between Downtown and Mt. View Avenue:

- Petaluma Boulevard
 South
- 5th Street
- 6th Street

































Neighborhood Greenway Design Elements

- Lane Markings
- Speed Cushions
- Curb Extensions / Bulb-outs
- High Visibility Crosswalks
- Traffic Circles
- Traffic Diverter







eiahborho

Greenway

Columbia City 3
Columbia City 3

- A. Golden Garde

5th St. Neighborhood Greenway

- Project Goals
- Why 5th Street?
- Feedback Received to Date

FEEDBACK RECEIVED TO DATE

- Need safe, easy crossing at major intersections (especially D Street)
- Incorporate street trees, greenery, and public art
- Broad support for traffic calming
- Lower speed limit 20 MPH
- Concerns about poor pavement quality
- Concerns about too much striping and signage negatively affecting neighborhood character
- Concerns about of diverted traffic on parallel streets particularly 6th Street

NEXT STEPS

- D Street Phase 1 & 5th Street quick-build projects to be bid together in late 2023/early 2024
- Data collection, community engagement, and adjustments to follow throughout 2024
- D Street Utility & Pavement Project scheduled for FY25-26

Initiatives
Initiatives

- Safe Routes to School Task Force
- Safe Streets
 Nomination
 Program

SAFE ROUTES TO SCHOOL TASK FORCE

- Forum for school staff, City staff, and community members
- Remove barriers to active transportation for students using four E's:
 - Engineering
 - Education
 - Encouragement
 - Enforcement
- Meets monthly on third Thursday from 4-5:30 PM
- First meeting October 19 at Community Center (meetings alternate between City Hall & Community Center)

Initiatives

- Safe Routes to
 School Task Force
- Safe Streets
 Nomination
 Program

SAFE STREETS NOMINATION PROGRAM

Nominate streets for traffic calming or safety improvements

Accessible, transparent, datadriven

Scoring criteria prioritizes streets with most significant speeding and safety issues, especially near schools and parks

NOW LIVE at: <u>cityofpetaluma.org/safe-</u> <u>streets-nomination-</u> <u>program/</u>

Safe Streets Nomination Program Overview



Safe Streets Nomination Program Preliminary Baseline Scoring Criteria

5 Year Collision History

- <u>1 point per solo collision</u>
- <u>3 points per vehicle vs.</u> vehicle collision (no injury)
- <u>5 points per vehicle vs.</u> vehicle collision (injury)
- <u>7 points per vehicle vs.</u>
 <u>bike/ped collision (no injury)</u>
- <u>9 points per vehicle vs.</u>
 bike/ped collision (injury)

Speeding

- <u>1 point</u>/vehicle **5-9 MPH** over posted speed limit in one hour
- <u>3 points</u>/vehicle **10-14 MPH** over posted speed limit
- <u>5 points</u>/vehicle **15 MPH+** over posted speed limit

Proximity to Schools & Parks (Multiplier)

- <u>1.5x points</u> if within ¼ mile of school or park
- <u>1.25x points</u> if within ½ mile of school/park

NOTE: Staff will exercise additional discretion and professional judgment in assigning project priorities and recommendations.

Discussion