

February 8, 2023

Walk Bike Clackamas Plan

WBAC Meeting #2

Objectives: Provide project updates; discuss goals and performance measures, Shared Streets, and walking/biking programs.



Agenda

- 1 Welcome & updates – 15 min**
- 2 Work Completed – 15 min**
- 3 Defining Success – 25 min**
- 4 Shared Streets – 20 min**
- 5 Programs – 30 min**
- 6 Public Comment – 10 min**
- 7 Next steps – 5 min**



Photo credit: Clackamas County

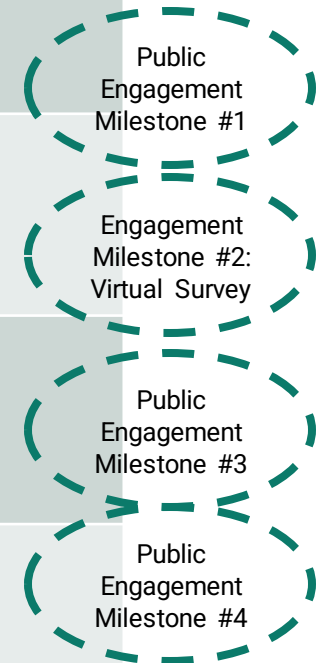
Welcome & Updates

A reminder and acknowledgement that Clackamas County sits on the **traditional lands and waterways** of the Clackamas, Chinook Bands, Kalapuya, Kathlamet, Molalla, Multnomah, Tualatin, Tumwater, Wasco and many other tribes of the Willamette Valley and Western Oregon. We thank those who have connection to this land and serve as stewards and commit to ensuring our ecosystem stays balanced and healthy by way of the work we are doing in this plan.



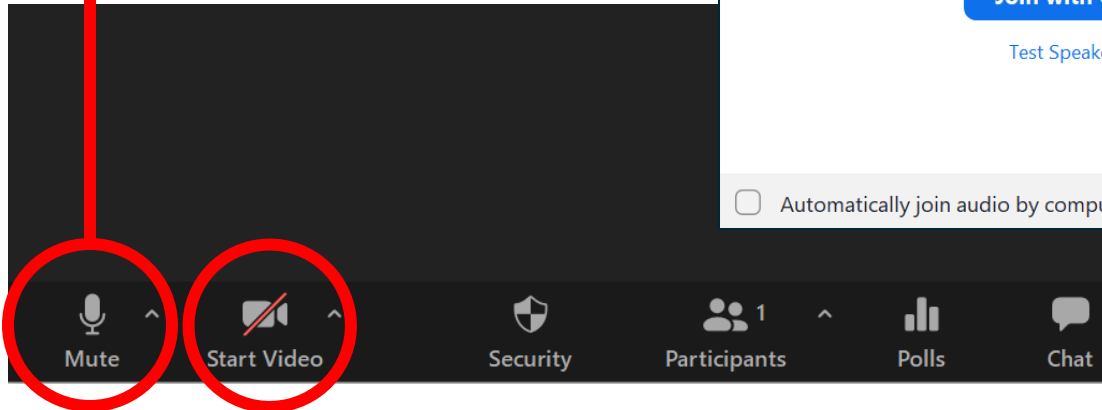
WBAC & Public Engagement Milestones

WBAC Meeting	Share	Related Deliverables
#1	Project Kickoff and Existing Conditions and Needs	<ul style="list-style-type: none"> TM #2: County Baseline Health Conditions TM #3: Current Plans TM #4: Existing Conditions Analysis
#2	Goals and Performance Measures	<ul style="list-style-type: none"> TM #5: Goals, Objectives, Policies and Performance Measures TM #6: Supportive Programs TM #7: Slow Streets Network
#3	Review Gaps and Network Priorities	<ul style="list-style-type: none"> TM #8: Gaps and Deficiencies Analysis TM #9: Project Prioritization Methodology TM #10: Project Identification TM #11: Project Recommendations
#4	Review Draft Walk Bike Clackamas Plan and Next Steps	<ul style="list-style-type: none"> TM #12: Draft Zoning Ordinance and Comp Plan Compliance Preliminary Draft Walk Bike Clackamas Plan

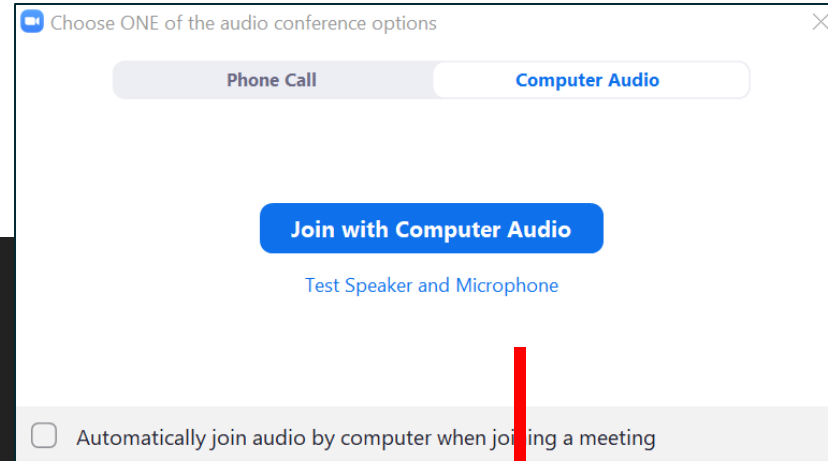


Zoom orientation

Unmute to speak

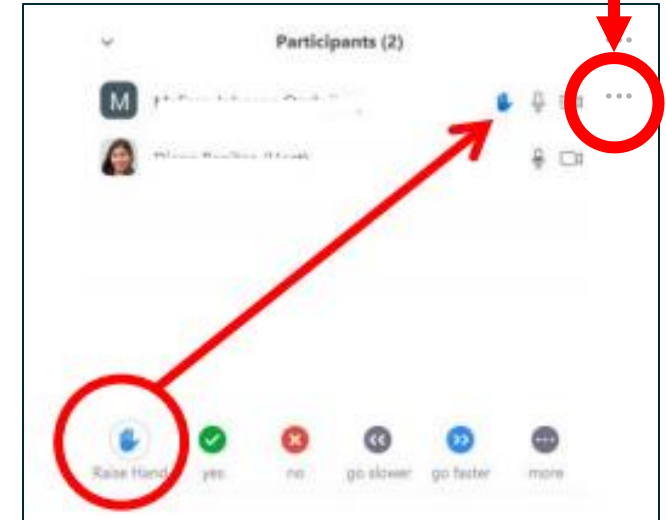


Use video if you are comfortable doing so



Click to connect to audio or connect via cell phone

Adjust your name, pronouns, or affiliation



Raise your hand if you have a question or clarification

A reminder that this meeting will be recorded.

Roll call...

- Name and title
- In the chat:
 - Share one thing **you learned or you have questions about** among the materials we sent in advance



Today's presenters:

Clackamas County

- Scott Hoelscher, County



Nelson\Nygaard

- Jeri Stroupe, Project Manager
- Layne Wyse, Deputy Project Manager



Toole Design

- Kerry Aszklar, Deputy Project Manager



WBAC #1 Recap

- 7 responses to the evaluation survey.
- Mixed opinions about the amount of information covered and opportunity for input.
- Desire for more clarity about the plan outcomes.
- Some interest in in-person meeting(s).
- Keep in mind our WBAC agreements.



Anticipated Project Outcomes



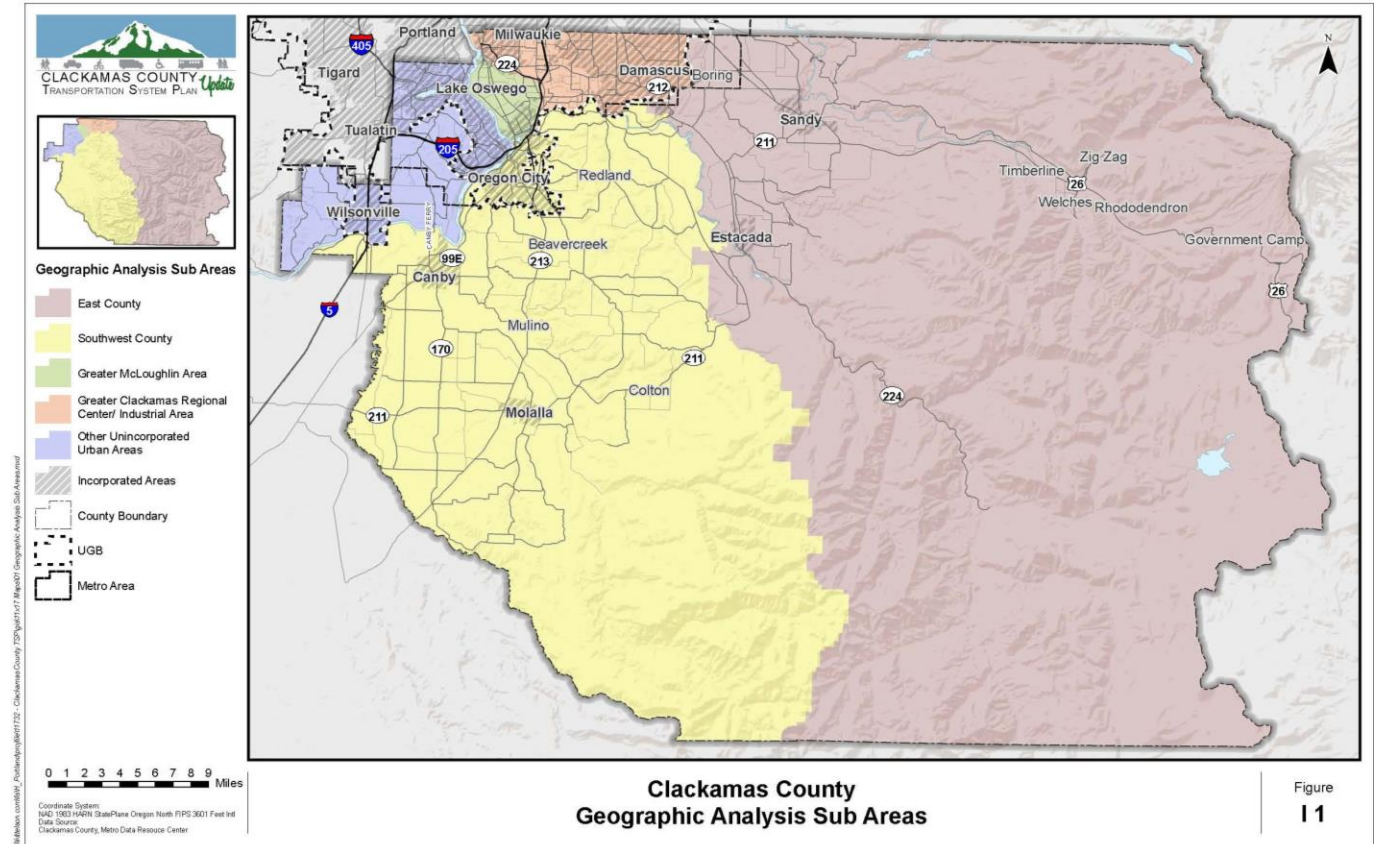
- Pedestrian & Bicycle Projects (3 priority tiers)
- Shared Streets Program Recommendations
- Mode Share Target
- Pedestrian and Bicycle Facility Design Toolkit
- Performance Measures
- Policy and Program Priorities

Work Completed



Existing Conditions

- Focus on Unincorporated Clackamas County
- Five planning areas corresponding to TSP
- Examined:
 - Major destinations
 - Sidewalk presence
 - Bikeway type and mileage
 - Off-street bikeways
 - Crashes involving people walking or bicycling
 - Equity



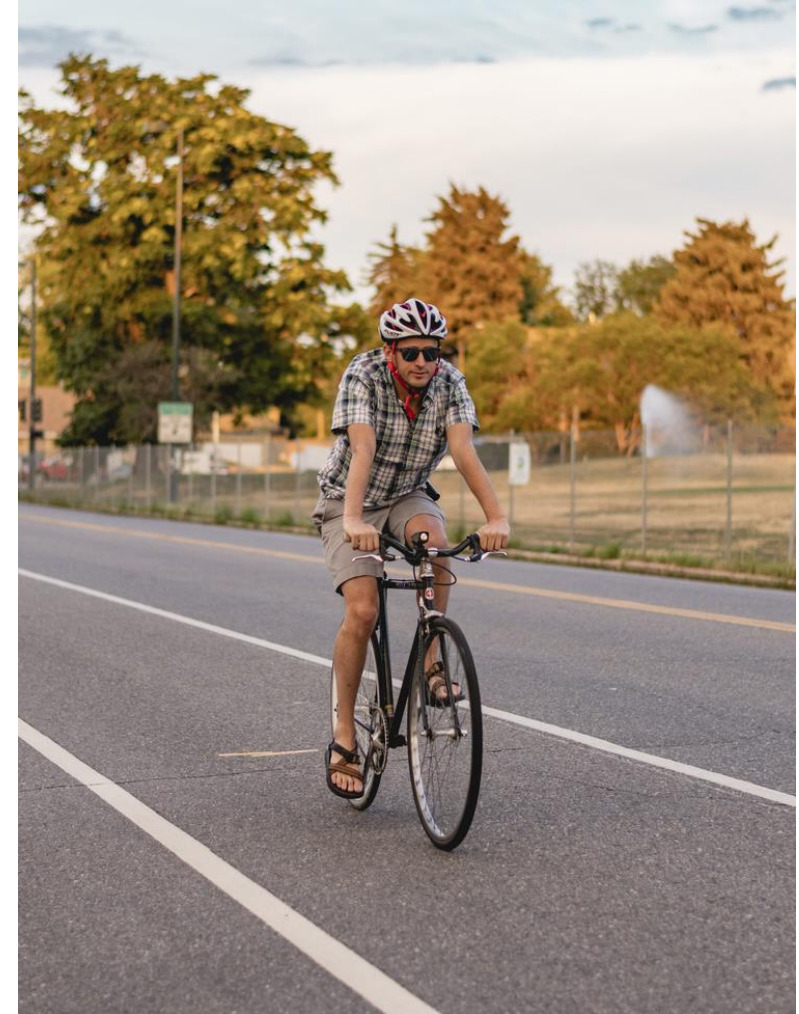
Existing Conditions: Sidewalks

- Sidewalk miles within unincorporated Clackamas County
 - Both sides of street: 82.4 miles (4.5%)
 - One side: 51.5 miles (2.8%)
 - No sidewalk: 1,686 miles (92.6%)
- Missing sidewalks by street type
 - 10% of major arterials
 - 17% of minor arterials
 - 15% of collectors



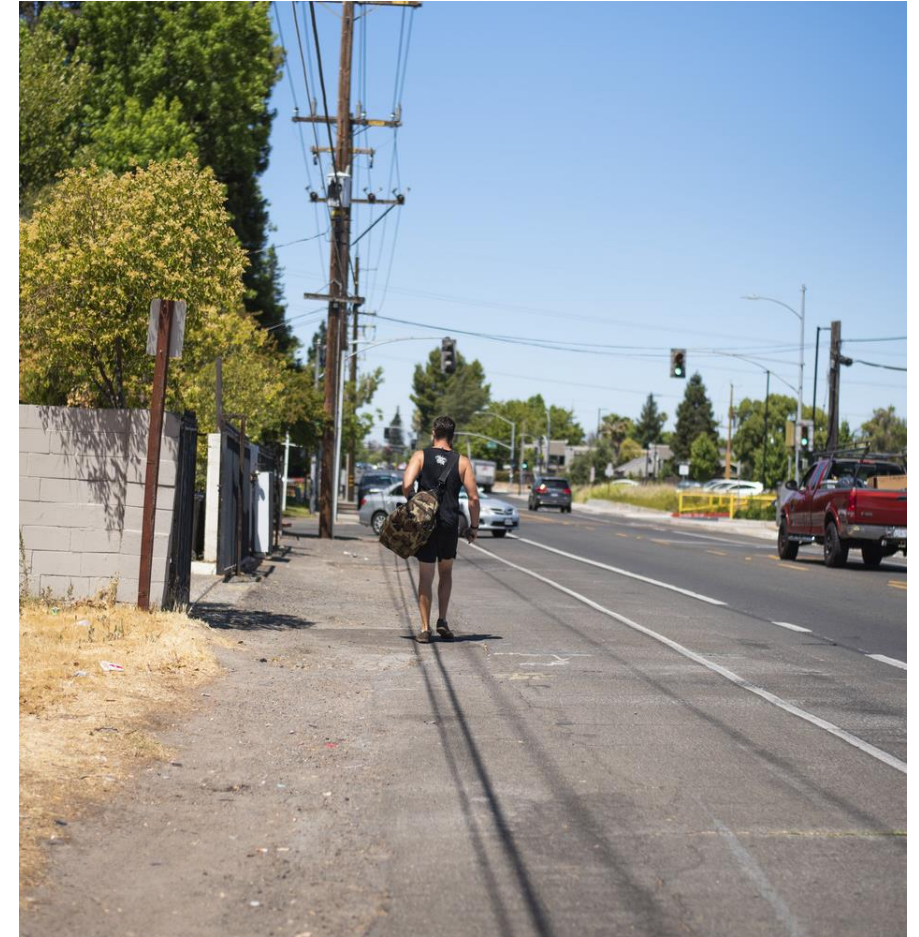
Existing Conditions: Bicycling

- On-street facilities within unincorporated Clackamas County:
 - Existing: 101.7 miles
 - Planned: 800.7 miles
- Existing facilities:
 - Striped bike lanes
 - Shoulder bike lanes
- Off-street facilities:
 - Existing: 29 miles
 - Planned: 39 miles



Existing Conditions: Crashes

- Traffic reports from 2016-2020 from ODOT
- Pedestrian Crashes Countywide
 - 278 crashes involving people walking
 - 76 crashes (27%) resulted in fatality or serious injury
- Bicycle Crashes Countywide
 - 199 crashes involving people on a bike
 - 17 crashes (8.5%) resulted in fatality or serious injury



Public Engagement #1

- Three "Community Conversations" in November-December
 - Bilquist Elementary School Holiday Bazaar
 - Winter Fair and Holiday Market at Canby Fairgrounds
 - Clackamas Town Center Transit Center
- More than 50 people spoke with project team
- Received 65 responses to online survey



Walk Bike Clackamas
 What's most important to you about walking, biking, and rolling in Clackamas County? Place a sticky dot on your top 3 priorities and tell us why.

Safety	Connections	Equity	Climate	Health	Economy
Having places to walk, roll, and bike that are safe and comfortable for people of all ages and abilities	Getting to school, parks, jobs, and other places without a car	Accessibility for all people regardless of age, income, ability, race, or gender	Combating climate change through use of active travel options	Supporting personal and community health through use of active	Supporting tourism and local businesses

Is there anything missing? What would you add?

WE WANT TO HEAR FROM YOU!

Where do you like to walk, roll, or bicycle?
 Where would you like to, but currently do not?
 Show us with colored dots or tape.

This plan covers all of Clackamas County outside of cities.

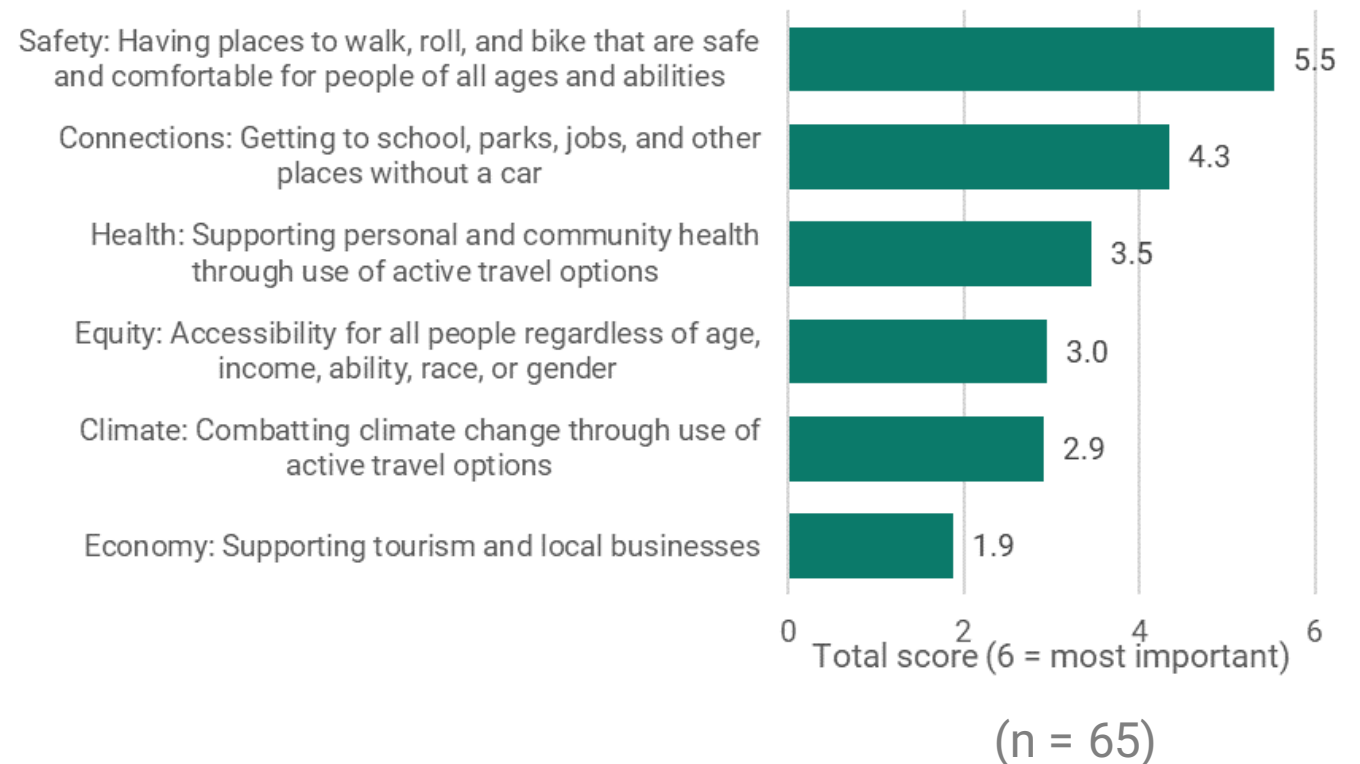
See table for smaller area maps.

Public Engagement #1

WHAT DID WE LEARN?

- People avoid walking and biking due to **lack of infrastructure** and **safety risks** from proximity to high speed/volume vehicle traffic
- Need more **sidewalks** and **protected bike lanes**
- **Safety** is the #1 active transportation issue, followed by connections and health
- Feedback informed **goals & objectives**, program recommendations, and will inform project ideas

What's most important to you about walking, biking, and rolling in Clackamas County?



Public Engagement #2

VIRTUAL OPEN HOUSE LIVE THROUGH END OF FEBRUARY



Walk Bike Clackamas Virtual Open House

This Virtual Open House and survey will be available through the end of February 2023.

We want to hear from you! Learn about the project and tell us where improvements are needed.

[Project Overview](#) [Key Terms and Definitions](#) [Existing Conditions](#) [Take the survey!](#) [Interactive Map](#)

Instructions

- 1 Zoom to area of interest within the study area that is not covered by the gray mask.
- 2 Explore the ideas added by others.
- 3 Click **DRAW A LINE** or **ADD A POINT**
- 4 Answer any related questions or add comments. Click **Submit**.
- 5 Repeat these steps as many times as you'd like.

Identify Issues and Opportunities *The study area is the part of Clackamas County not covered by the gray mask layer.*

- Safety concern crossing the street:** Places where it is challenging or feels unsafe to cross the street
- Barrier preventing walking, rolling, or bicycling:** Places where conditions prevent or discourage you from walking, rolling, or bicycling
- Streetscape improvement:** Places that need improvements such as street lighting, bike parking, more landscaping or trees, or other elements
- Missing sidewalk:** Places where you think a new sidewalk should be installed
- Missing bikeway:** Places where you think a new bikeway should be installed
- Too much exposure to traffic:** Places where an existing walkway or bikeway needs better separation from motor vehicles
- New off-street connection:** Places where you think a new walking and biking path should be installed
- Shared Street:** Places where you think a Shared Street treatment should be installed (see the Virtual Open House above for more information)

Existing Bikeways (all types)

Walk Bike Clackamas About & Help Draw a Line Add a Point Return to Virtual Open House

Bull Run Watershed Management Unit

Mount Hood Wilderness

Government Camp

Mount Hood National Forest

Roaring River Wilderness

Ripplebrook

10 km



Scan the QR code to visit the Virtual Open House, or type into your browser: <https://arcg.is/0r8nq8>

Defining Success



Defining Success

TERMINOLOGY

Goals are general statements of desired outcomes of the community as a whole.

Objectives help document steps needed to realize goals, or what Clackamas County will need to do to meet its goals.

Performance measures are specific outcomes that can be monitored and measured to track how well the County is meeting the goals over time. A **target** is a specific numerical goal to achieve.

Plans consulted:

- Bicycle Master Plan (2003)
- Pedestrian Master Plan (2003)
- Transportation System Plan (TSP) (2013)
- Active Transportation Plan (ATP) (2015)
- Drive to Zero Safety Action Plan (2019)
- Blueprint for Health (2020-2023)
- Transit Development Plan (2021)

WBAC Feedback

- Are we generally on the right track with **goals** and **objectives**? Are there any we should remove or revise?
- What are your reactions to potential **performance measures**, and what data sources could support measurement over time?
- Is **mode share** the right target to set with WBC, and are there other metrics to consider that could get at a similar outcome? (e.g., VMT reduction, transit ridership)
- Are there other planning efforts underway establishing specific modal targets?



Draft Goals



GOAL 1 - SAFETY AND ACCESSIBILITY

Establishing networks of walkways and bikeways that are accessible and safe for people of all ages, abilities, and incomes.



GOAL 2 – CONNECTIVITY

Establishing networks of walkways and bikeways that connect parks, schools, town centers, businesses, and other significant destinations in Clackamas County.



GOAL 3 – SUSTAINABILITY

Establishing networks of walkways and bikeways that expand and promote active travel options that optimize benefits to the environment, the economy, and the community.



GOAL 4 – EQUITY

Establishing networks of walkways and bikeways that include interconnected pedestrian and bicycle facilities designed for every age and ability.



GOAL 5 – HEALTH

Establishing networks of walkways and bikeways that allow people to safely walk, run or cycle for improved health.

Draft Goals and Objectives



GOAL 1 - SAFETY AND ACCESSIBILITY

Establishing networks of walkways and bikeways that **are accessible and safe for people of all ages, abilities, and incomes.**

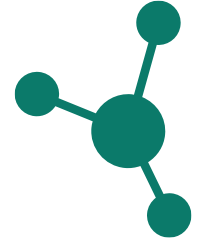
Objectives

- Reduce the number and severity of crashes involving people walking and bicycling by :
 - Separating people walking and rolling from cars and trucks
 - Improving street crossings
 - Adding lighting to high-volume pedestrian areas
- Repair and maintain existing sidewalks, trails, bikeways, ramps and wayfinding signs.
- Create more accessible, efficient and convenient facilities for people walking and bicycling.

Sample Performance Measures

- Number of traffic crashes resulting in serious injuries and fatalities to people walking and biking
- Road speed on pedestrian and bikeway network: Prevailing speeds; percentage of drivers traveling 5 mph or more over speed limit; percentage of drivers traveling in excess of 30 mph
- Increase in number of miles of designated walkways and bikeways (by facility type)
- Number of complaints related to sidewalk and bike lane conditions

Draft Goals and Objectives



GOAL 2 – CONNECTIVITY

Establishing networks of walkways and bikeways that **connect parks, schools, town centers, businesses, and other significant destinations in Clackamas County.**

Objectives

- Form connected networks of trails, sidewalks, and bikeways, including street crossings
- Connect to existing and planned active transportation projects in incorporated areas within the county
- Create comfortable walking and biking connections to public transit
- Provide end-of-trip and streetscape amenities to support people walking and bicycling
- Connect across and within neighborhoods to parks, natural areas, schools, commercial districts, and other destinations
- Recognize the different facility design that may be needed in rural areas.

Sample Performance Measures

- Number of miles of designated walkways and bikeways
- Number of improved pedestrian crossings
- **Mode share – Increase in active transportation trips as a proportion of all trips***

*Walk Bike Clackamas will define a mode share target for the County, or related target as appropriate.

Draft Goals and Objectives



GOAL 3 – SUSTAINABILITY

Establishing networks of walkways and bikeways that **expand and promote active travel options that optimize benefits to the environment, the economy, and the community.**

Objectives

- Encourage and support active transportation mode shift with educational campaigns, incentive programs, or community events
- Build complete streets and increase access by multimodal options
- Increase tree canopy along walkways
- Use low impact development (LID) strategies in bikeway and walkway design

Sample Performance Measures

- Number of bike parking spaces at significant local destinations
- Percentage of population living within ¼-mile of All Ages and Abilities (AAA) bike network
- Number of Safe Routes to Schools Actions Plans completed and projects support by SRTS Action Plans

Draft Goals and Objectives



GOAL 4 – EQUITY

Establishing networks of walkways and bikeways that **include interconnected pedestrian and bicycle facilities designed for every age and ability.**

Objectives

- Provide equitable access to active transportation facilities for all communities, including communities of interest
- Improve access to job opportunities, medical care, local commercial services, and neighborhoods within communities of interest
- Integrate equity into all aspects of the development, financing, and implementation of projects and programs

Sample Performance Measures

- Apply equity indices to all performance measures, e.g., evaluate crashes by race or socioeconomic status
- Lane miles of designated walkways and bikeways in equity focus population areas
- Crash exposure per 10,000 people comparing equity focus areas to Countywide

Draft Goals and Objectives



GOAL 5 – HEALTH

Establishing networks of walkways and bikeways that **allow people to safely walk, run or cycle for improved health.**

Objectives

- Prioritize active transportation networks and corridors that connect residents to medical care facilities, schools, parks, and transit facilities to encourage an active lifestyle that will improve residents' physical and mental health
- Develop a comprehensive walking and biking network to encourage physical activity through both recreation and use of active travel options
- Promote Safe Routes to School programs in all Clackamas County school districts

Sample Performance Measures

- Number of schools with bike education program
- Rates for psychosocial health indicators, e.g., poor mental health days
- Adults engaging in regular physical activity
- Increase in usage of local trails with trail counters
- Number of projects supporting Safe Routes to Schools Plans

WBAC Feedback – Your Homework

MENTIMETER SURVEY – PLEASE COMPLETE BY 2/17

- Are we generally on the right track with **goals** and **objectives**? Are there any we should remove or revise?
- What are your reactions to potential **performance measures**, and what data sources could support measurement over time?
- Is **mode share** the right target to set with WBC, and are there other metrics to consider that could get at a similar outcome? (e.g., VMT reduction, transit ridership)
- Are there other planning efforts underway establishing specific modal targets?



**Comments? Thoughts?
Questions?**

Shared Streets



Shared Streets

WHAT ARE SHARED STREETS?

- Streets where people biking, walking, rolling, and recreating share space with low-speed motor vehicle traffic
- Public input and County analyses have indicated high motor vehicle speeds as a consistent problem
- Shared Streets can:
 - Provide comfortable connections to neighborhood destinations
 - Address gaps in bicycle and sidewalk network
 - Slow motor vehicle speeds



Feedback from the WBAC

MENTIMETER SURVEY

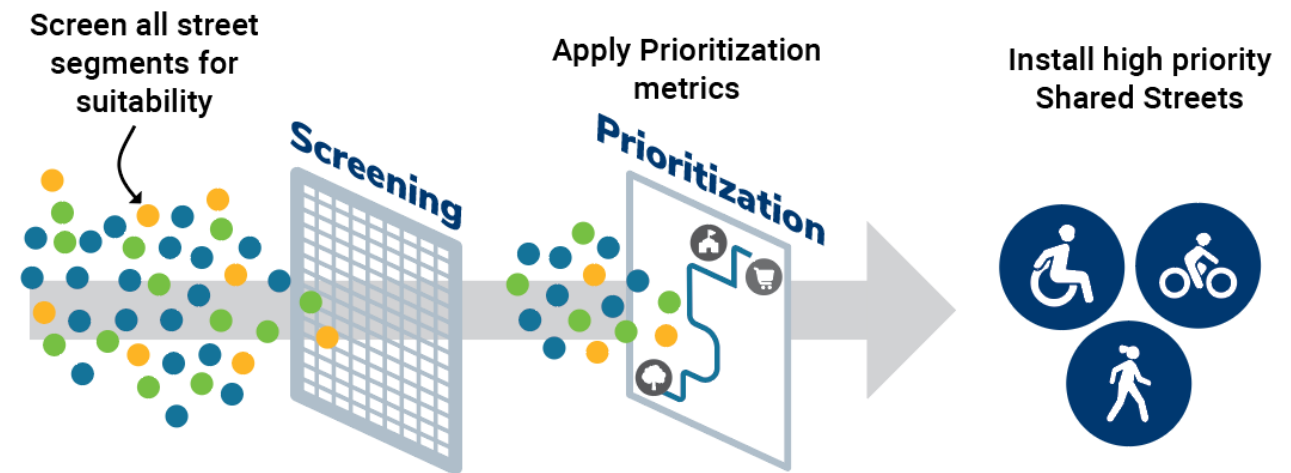
- What are your reactions to the initial set of candidate streets?
- Are there high priority streets we should roll out first to build support and understanding for Shared Streets?
- What will be important to communicate to the public about how Shared Streets operate and are implemented?



Shared Streets Program Components

PROPOSED PROGRAM COMPONENTS FOR CLACKAMAS COUNTY

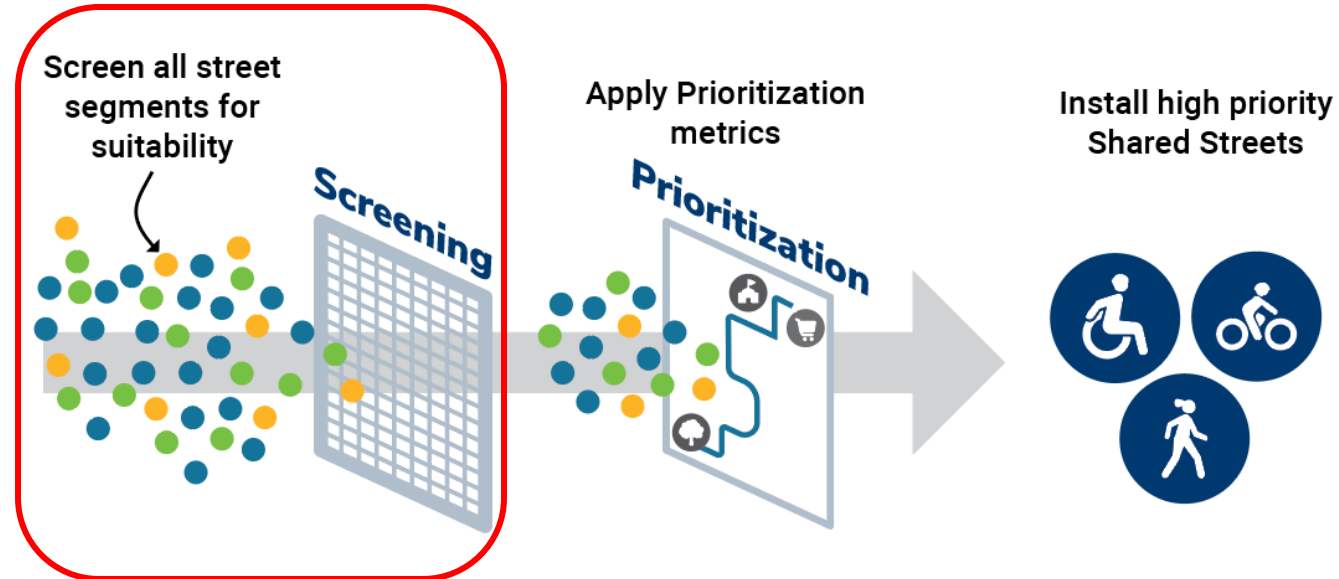
- Define a process to screen and identify local streets as candidates for Shared Streets
- Set criteria for some of these to be designated as Shared Streets
- Reduce speed limit from 25 to 20 mph
- Traffic calming, signage, and pavement markings to support people walking, rolling, biking, and recreating in the street



Shared Streets Criteria

PROPOSED SCREENING OF STREET SEGMENTS

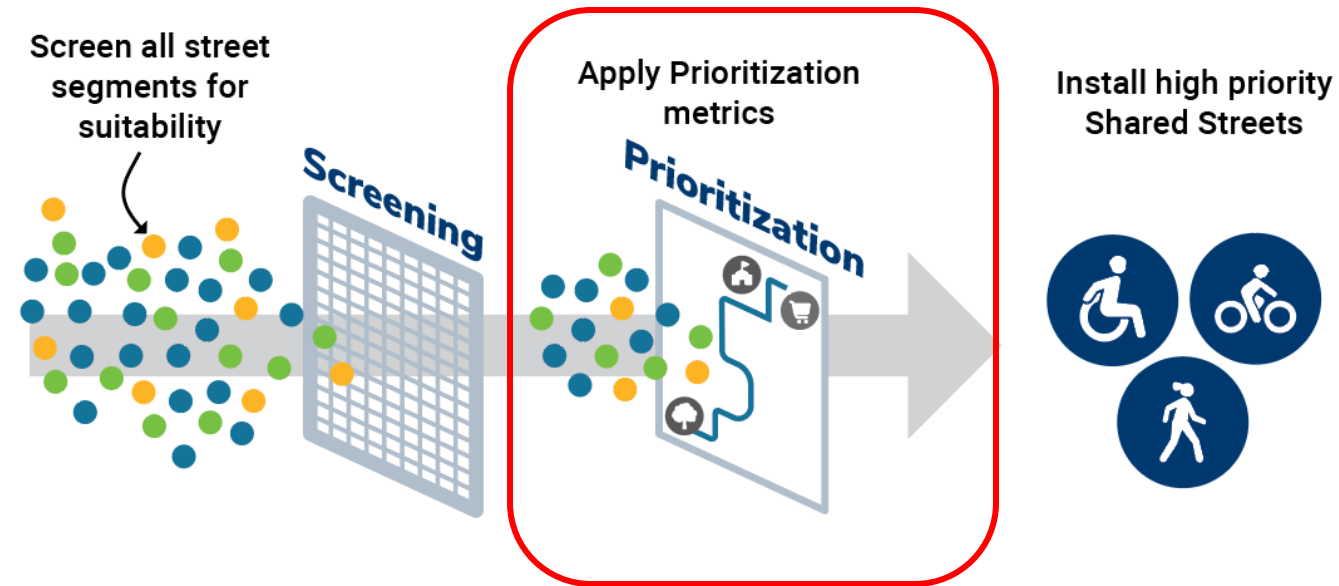
- Following Oregon state law (ORS 810.180)
- Screening criteria:
 - Posted speed of 25 mph
 - Classified as “local” street
 - No transit service along the street
 - Average traffic volumes < 2,000 vehicles per day
 - Collision history and possibility of installing mitigation
 - Provides connections between destinations



Shared Streets Prioritization

PROPOSED PRIORITIZATION OF CANDIDATE STREETS

- Prioritization metrics:
 - Connections with bikeways in incorporated areas
 - Connections to local destinations (schools, parks, transit stops, community centers, retail areas, multiuse trail access points)
 - Part of a Safe Routes to School corridor
 - Designation as “bike friendly street” on Metro’s “Bike There!” map
 - Alignment with County equity areas
 - Public input
 - Presence of a sidewalk
 - Safety & feasibility



Shared Streets Treatments

INSTALL SHARED STREET TREATMENTS

25 mph --> 20 mph speed limit signs



Signage along Shared Streets route

Pavement markings

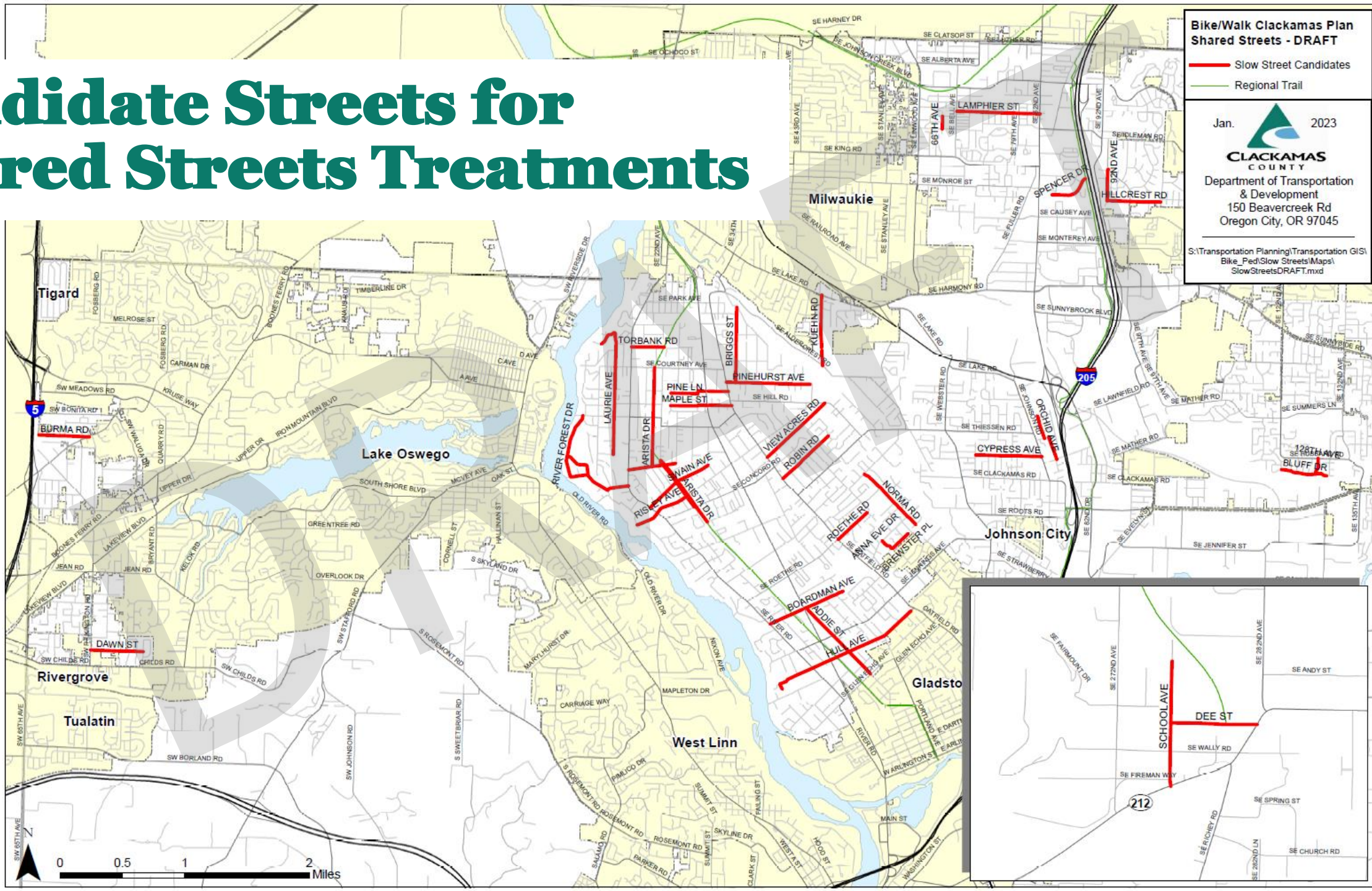


Signage at entry points



...and other traffic calming elements as needed.

Candidate Streets for Shared Streets Treatments



Candidate Streets for Shared Streets Treatments

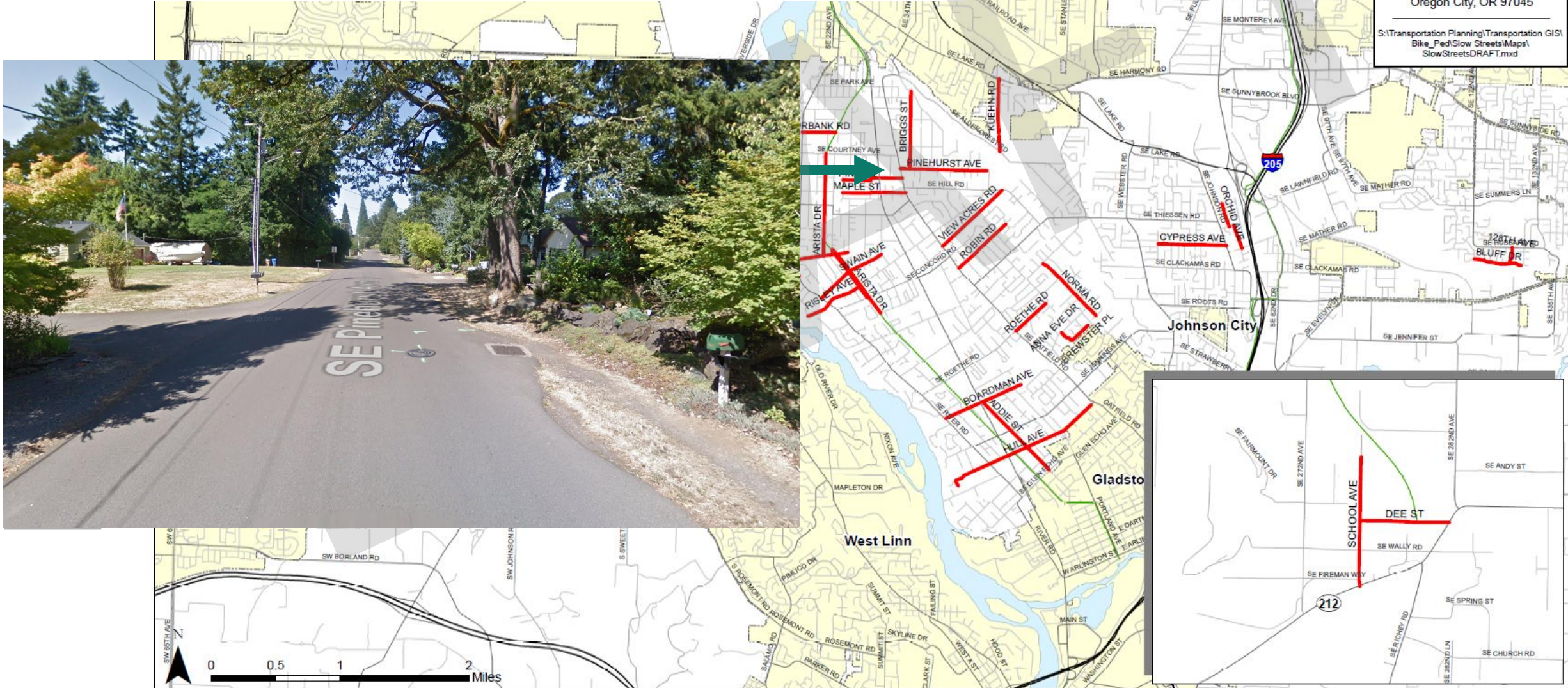
Bike/Walk Clackamas Plan Shared Streets - DRAFT

- Slow Street Candidates
- Regional Trail



Jan. 2023
CLACKAMAS COUNTY
 Department of Transportation & Development
 150 Beavercreek Rd
 Oregon City, OR 97045

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Candidate Streets for Shared Streets Treatments

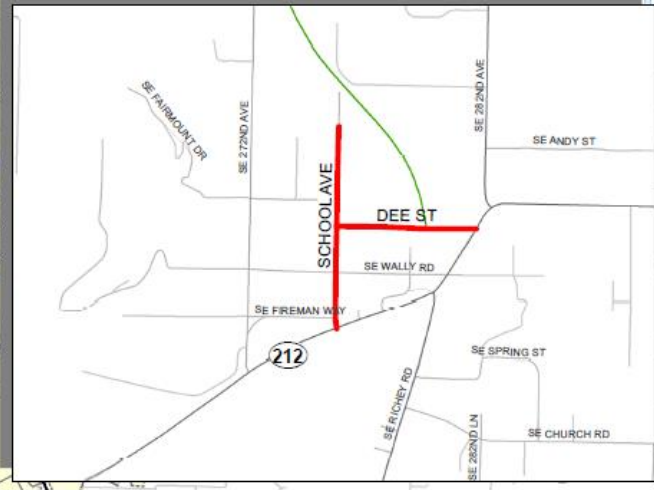
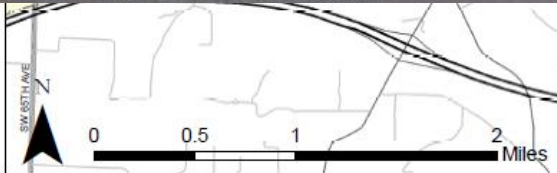
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Jan. 2023
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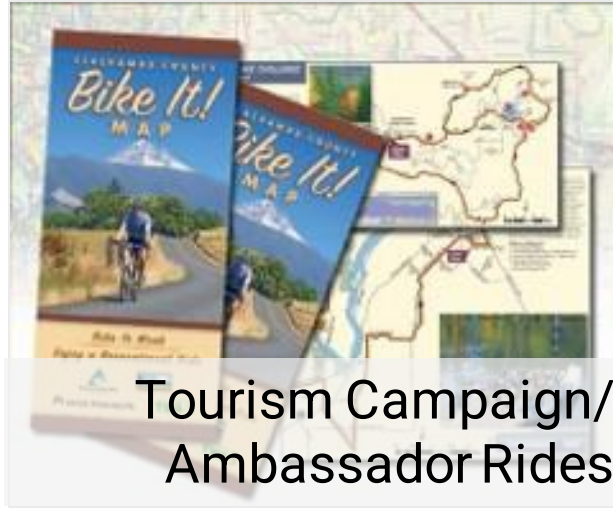
**Comments? Thoughts?
Questions?**

Active Transportation Programs



Current County Programs

Safe Routes to School



Tourism Campaign/
Ambassador Rides



High School Traffic
Safety Classes

Crosswalk Safety Campaign



Safety Street



"Slow Down" Signs

Feedback from the WBAC

- What programs do you think would be impactful?
- Which programs should/should not be prioritized?
- Which existing programs would you like to see improved?
- What other programs should the County be exploring?



Potential Programs

Events

Open Street Events

Campaigns

School Zone Safety

No Parking in the Bike Lane

Bicycle-Friendly Driver

Crosswalk Compliance / Enforcement

Mode Shift

Transportation Demand Management

Micromobility Program

Potential Programs: Open Street Events

- Opening street up for community events
 - Allowing people to walk or bike
 - Temporarily prohibiting vehicle access
- County could:
 - Provide walking and bicycling information and interactive activities
 - Possibly host Open Street programming, or partner with other municipalities/organizations
- Example: Trolley Trail Festival in Oak Grove



Potential Programs: Campaigns

- 1. School Zone Safety
 - Educational campaign focusing on streets adjacent to schools
 - In partnership with school districts and Clackamas Education Service District
- 2. No Parking in Bike Lane
 - Educate all road users on rights and responsibilities, with focus on how and where to park vehicles correctly
 - In partnership with County Sheriff



Potential Programs: Campaigns

- 3. Bicycle-Friendly Driver
 - Focus on driver awareness of bicycle infrastructure and bicycle behavior
 - In partnership with county sheriff
- 4. Crosswalk Compliance/Enforcement
 - Educate people walking on where and how to cross streets safely
 - Educate people driving to not block crosswalks at intersections
 - Partner with county sheriff to increase driver enforcement of motor vehicle crosswalk regulations



Potential Programs: Mode Shift

- Transportation Demand Management program
 - Strategies to manage transportation choices
 - Program and events to:
 - Promote travel options
 - Increase appeal of non-single occupancy vehicle travel
 - Partnership with local jurisdictions, large employers, and transportation providers
- Micromobility program
 - Short-term (e-)bikes and e-scooters rentals
 - Conduct feasibility study to identify strategic locations for micromobility devices
 - Possibility to integrate into TDM program



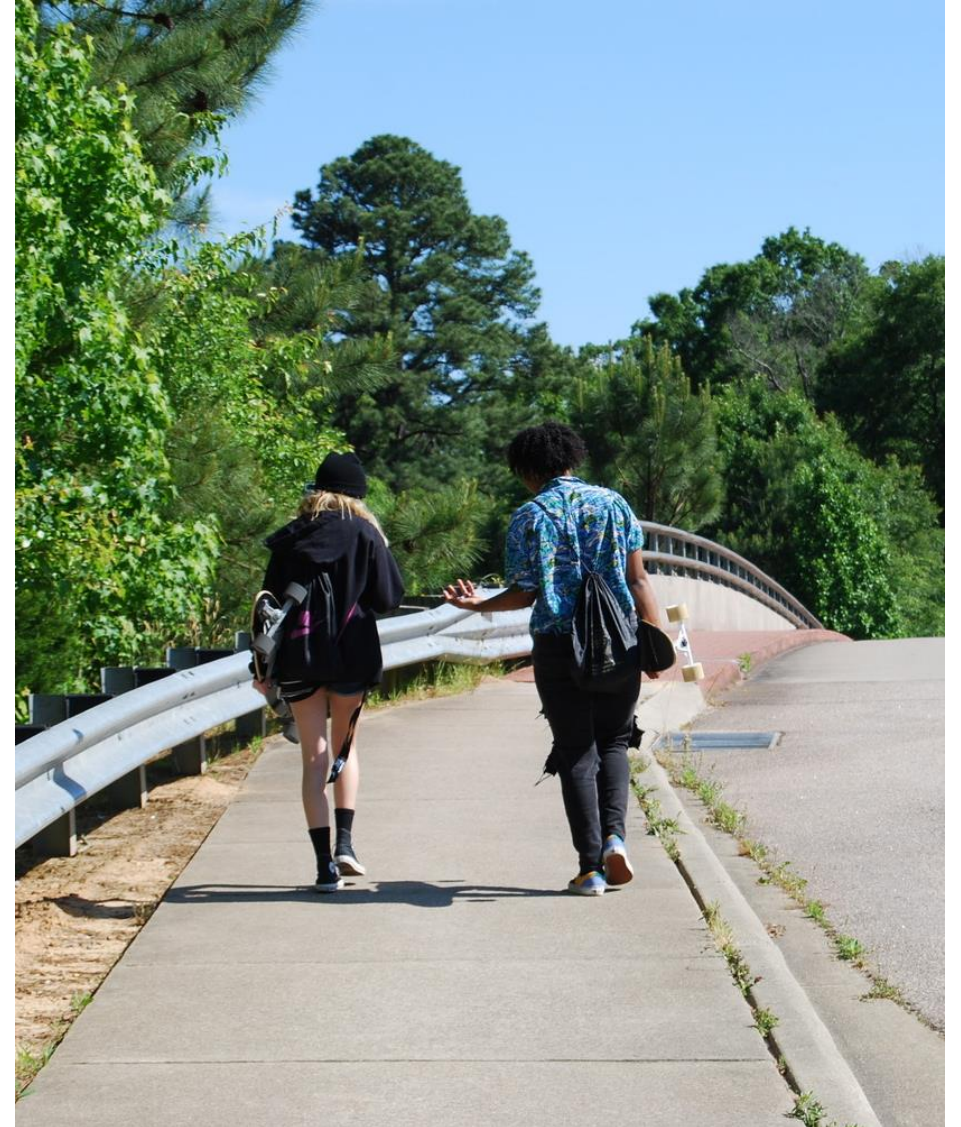
Potential Programs and Draft WBC Goals

	Program	Goal 1: Safety & Accessibility	Goal 2: Connectivity	Goal 3: Sustainability	Goal 4: Equity	Goal 5: Health	
Existing	Safe Routes to School	✓				✓	
	Crosswalk Safety Campaign	✓		✓		✓	
	Tourism Campaign/ Ambassador Rides				✓		
	Safety Street						
	High School Traffic Safety Classes	✓					
	Slow Down Signs	✓				✓	
Potential	Events	Open Street Events					✓
	Campaigns	School Zone Safety	✓			✓	✓
		No Parking in Bike Lane	✓	✓			✓
		Bicycle-Friendly Driver	✓				
		Crosswalk Compliance/Enforcement	✓	✓			
	Mode Shift	Transportation Demand Management	✓		✓		
		Micromobility program			✓		

Feedback from the WBAC

DISCUSSION IN BREAKOUT ROOMS

- What programs do you think would be most impactful?
- Which programs should/should not be prioritized?
- Which existing programs would you like to see improved?
- What other programs should the County be exploring?



Public comment

1. Indicate your interest to speak by “raising your hand” in the Zoom reactions.
2. Participants will be called upon in the order they raise their hands.
3. You will have up to 2 minutes to comment.



Next steps



Our next steps

- Identify network gaps and deficiencies
- Start to compile project ideas

New deliverables

- Technical Memo #3: Current Plans
- Technical Memo #4: Existing Conditions
- *Technical Memo #5: Goals and Performance Measures*
- *Technical Memo #6: Supportive Programs*
- *Technical Memo #7: Shared Streets*

Your homework

- ❑ Promote our Virtual Open House & Interactive Map
- ❑ Provide comments on Goals, Objectives, Performance Measures
- ❑ Provide comments on Shared Streets and candidate locations



*Go to [Menti.com](https://www.menti.com) and enter the code 3103 9375
Please complete the Mentimeter survey by Friday 2/17*

Next WBAC meeting will take place in June/July 2023 (hybrid?).

Thank you!