Bicycle Master Plan Update

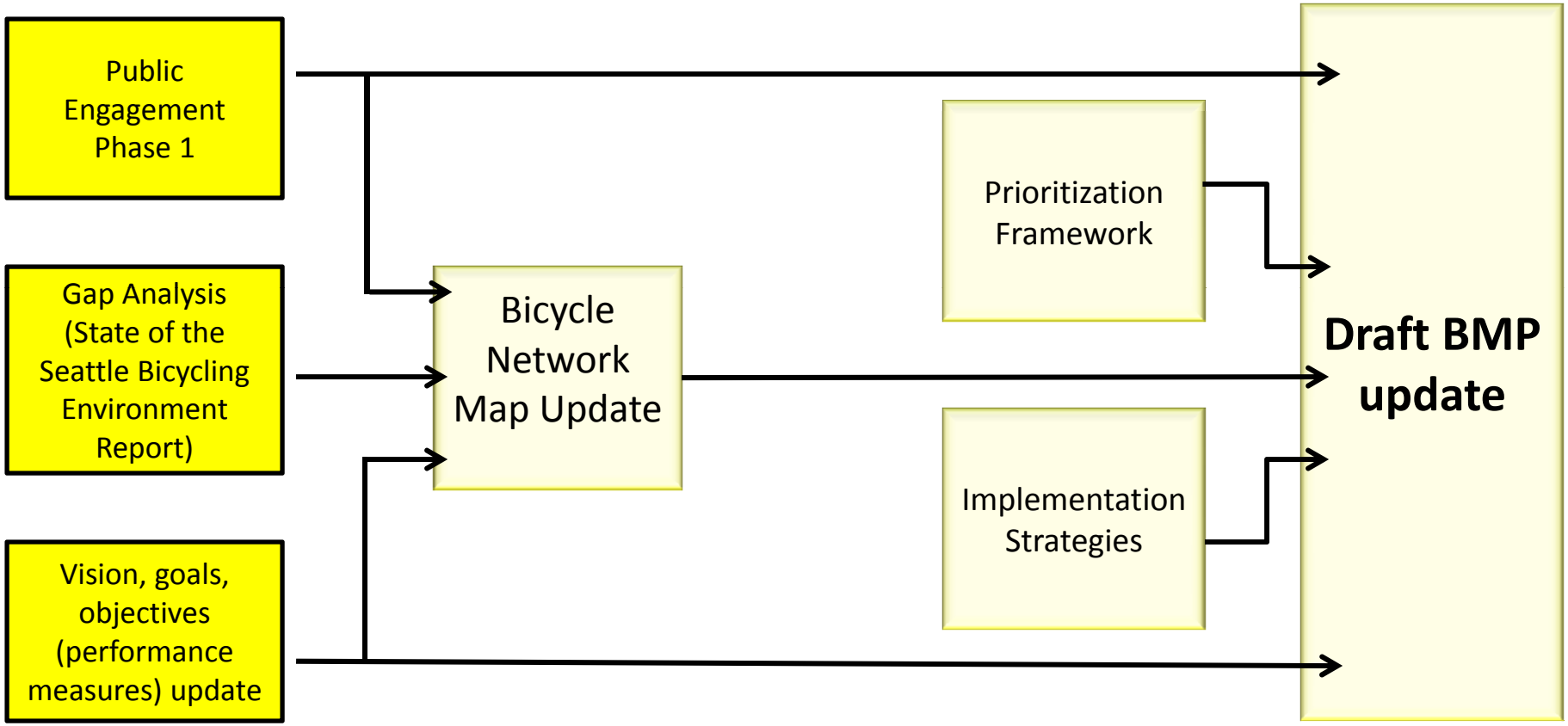
Seattle Bicycle Advisory Board
August 1, 2012

SDOT
Seattle Department of Transportation

Agenda

- **BMP Update Roadmap**
  - Where we are currently
  - Where we are going
- **Public Engagement (Phase 1) Summary & Key Findings**
  - Online survey tools
  - 2012 IVR phone survey
  - Stakeholder meetings and outreach events
  - Full write-up will be available soon
- **Gap Analysis Summary**
  - Part of the State of the Seattle Bicycling Environment Report
  - 2007 BMP implementation gaps map
  - Equity analysis

BMP Update Roadmap



Public Engagement Phase 1 – Input opportunities

Surveys

- BMP online survey
- BMP online mapping tool
- IVR phone survey (statistically valid, conducted by Traffic Management)

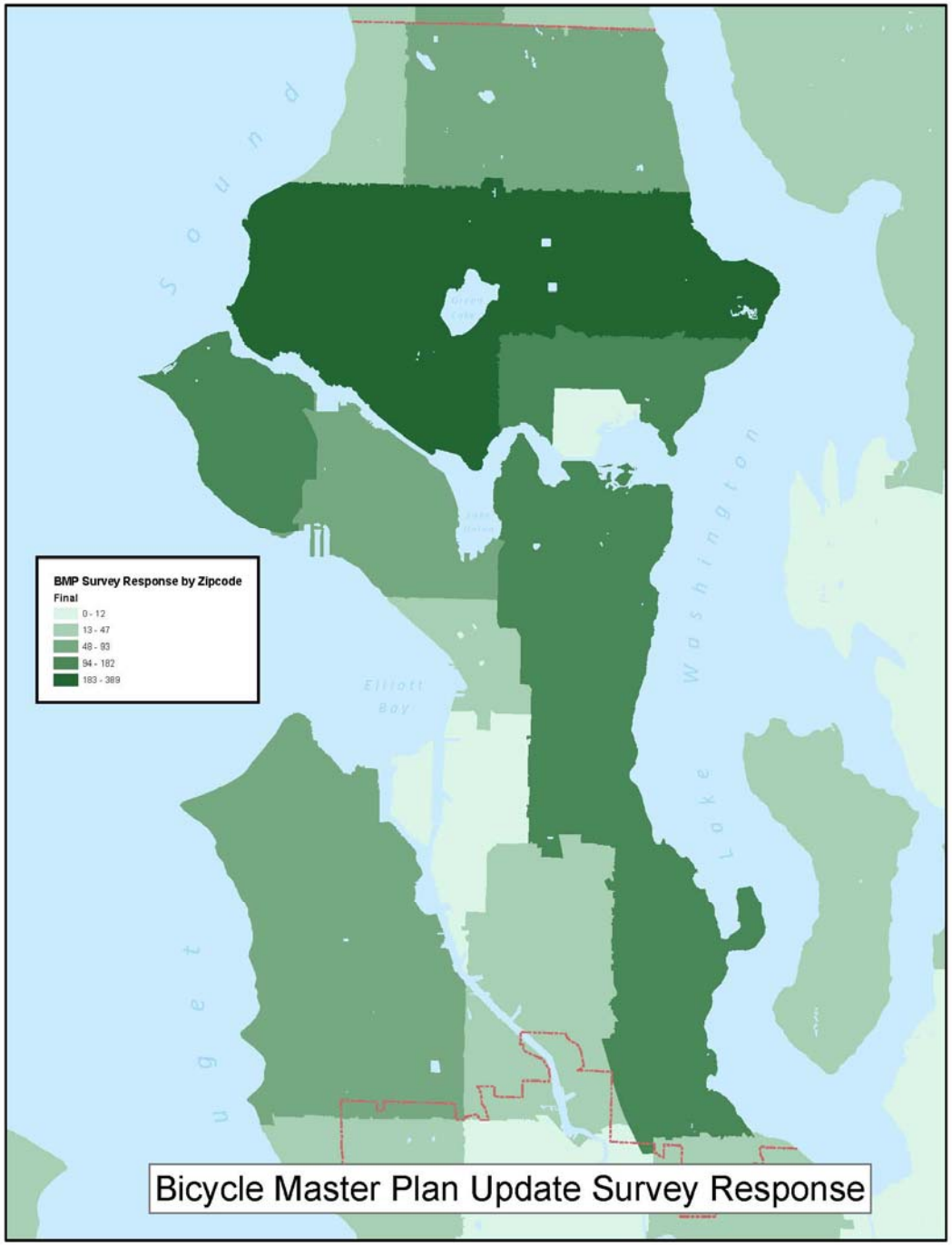
Public Comment

- BMP online survey
- Public events/stakeholder meetings
- E-mail

Key findings

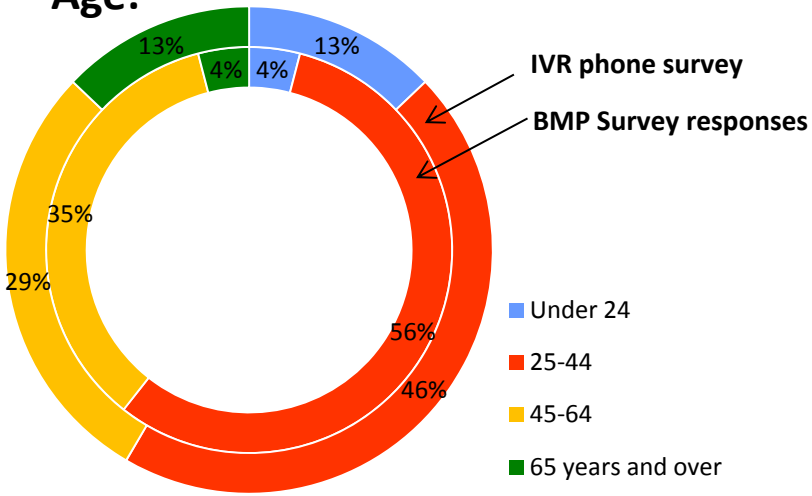
Public Engagement Phase 1 Summary: Online survey

- 17 question survey
  - Translated into 7 languages
  - Survey link provided through posters, business cards, bicycle maps, attendance at events, direct mailings and emails
- 3,500+ respondents representing all Seattle zip codes and beyond
- Thousands of comments

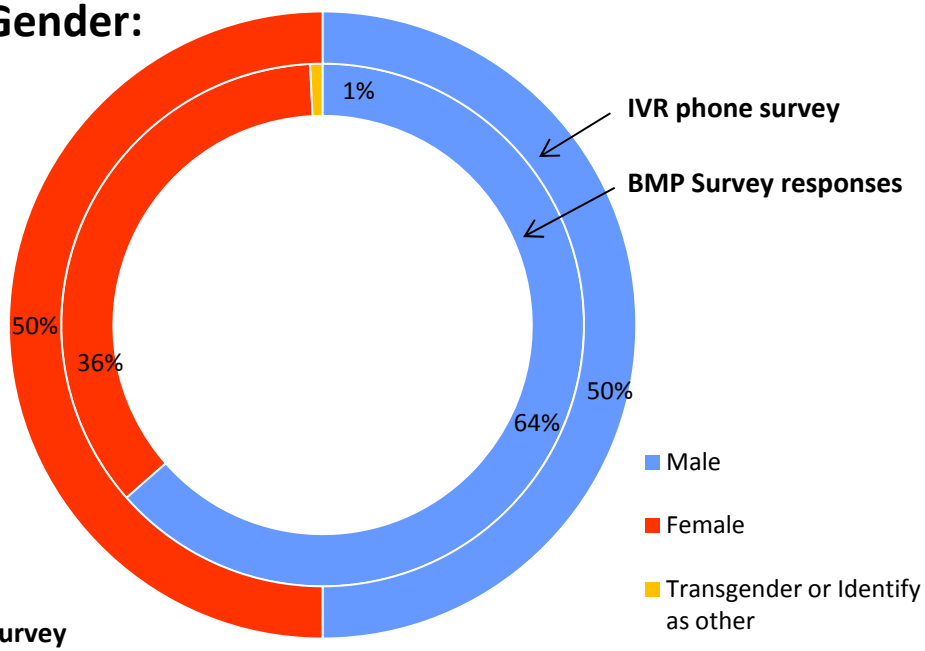

BMP Survey Response by Zipcode
Final
0 - 12
13 - 47
48 - 93
94 - 182
183 - 389
Elliott Bay
Lake Washington
Sound
Puget
Bicycle Master Plan Update Survey Response

BMP Online and IVR survey demographics:

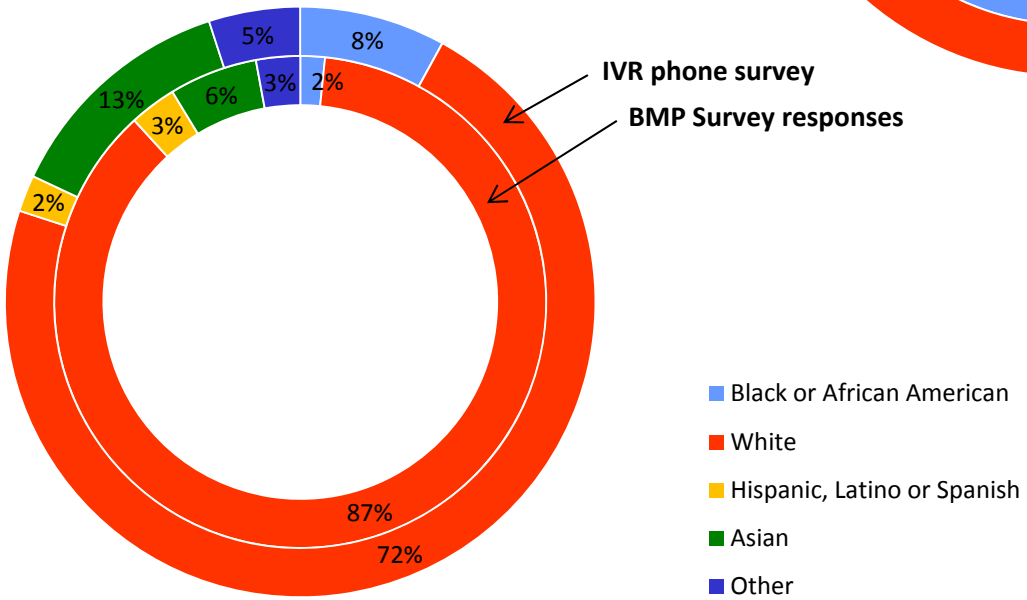
Age:



Gender:



Race:



Public Engagement Phase 1: Key Findings & Themes

- Safety
- Facilities
  - Existing
  - Future: All Ages and Abilities
- Maintenance
- Education and Enforcement
- Non-Infrastructure challenges

Key Findings: Safety

"I ride my bike fairly frequently. I wear lots of flashing lights. I consider myself pretty experienced on a bike and **I still worry constantly about my safety.**

"Hands down, **the main reason I don't ride my bike year round and to more distant neighborhoods is safety.** It gets stressful dealing with traffic, loose gravel and potholes, one-way streets, and parked car doors opening into the bike lane."

"I used to ride my bicycle a lot but **now I am a parent and quite frankly, I don't feel comfortable putting my life at risk.**"

IVR Phone Survey	Online Survey: Frequent cyclists	Online Survey: Interested but concerned	Online Survey: Do not ride
1. Weather	1. Weather	**1. I do not feel safe riding a bike**	1. Less convenient than other options
2. Don't feel safe riding	2. Travel time/distance to my destination	2. Weather	2. Weather
3. Not that interested in riding more often	3. I have too many things to carry	**3. Unlawful/unsafe motorist behavior**	3. Hills (topography)
4. Hilly terrain	**4. Unlawful/unsafe motorist behavior**	4. Hills	**4. I do not feel safe riding a bike**

Key Findings: Existing facility issues

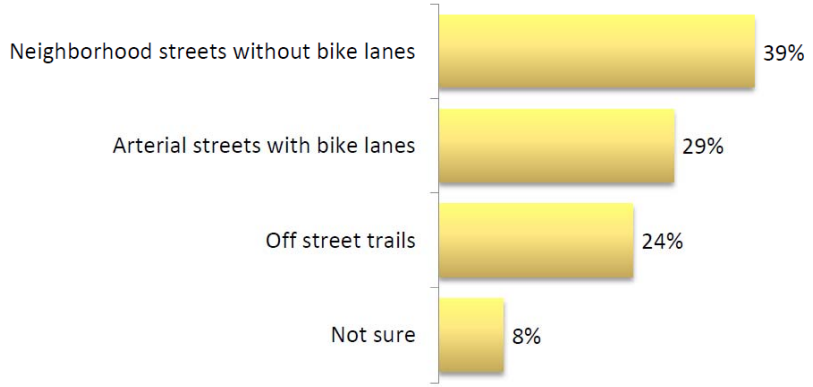
- Dislike Sharrows
- Safety concern when bicycle lane is in the door zone

"Sharrows suck eggs."

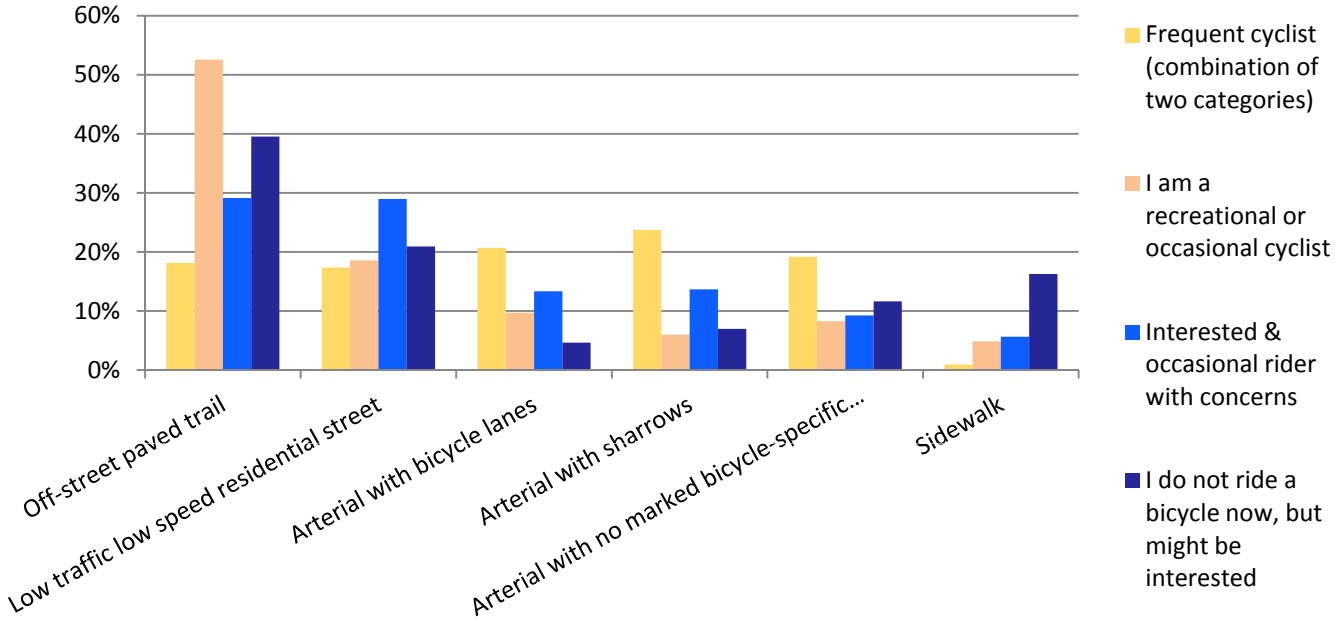
"Risk of being doored or hit by a motor vehicle is the reason I don't bike to work."

Key Findings: Existing facilities used

IVR Phone Survey



Online Survey



Key Findings: Design for all ages and abilities

- Increase separation from arterial vehicle traffic & car doors
  - Use neighborhood greenways, cycle tracks, trails, or other facilities to increase separation
  - "Build more on-street separated facilities and/or off-street paved trails" was top response for increasing cycling
  - Prioritize on- street separated bicycle facility downtown

Key Findings: Maintenance

"Pavement conditions in Seattle are abysmal. It's like we live in a third world country, the roads are so bad."

Pavement conditions

- Second ranked answer in online survey for encouraging bicycling

"I keep seeing people driving in the bike lanes! Some of them have the paint so worn that drivers might not know they exist."

Paint conditions

- Faded paint, e.g. 2nd Ave downtown

"The most dangerous thing I encounter on my daily commute, hands-down, is obstacles blocking travel."

Lane blockage

- Debris or other obstacles
- Planning and information regarding construction

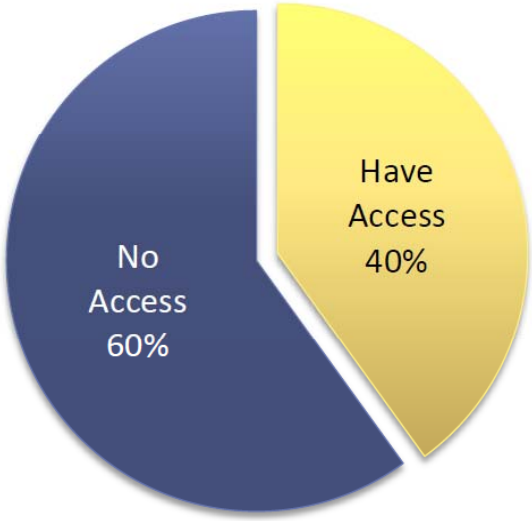
Key Findings: Education and Enforcement

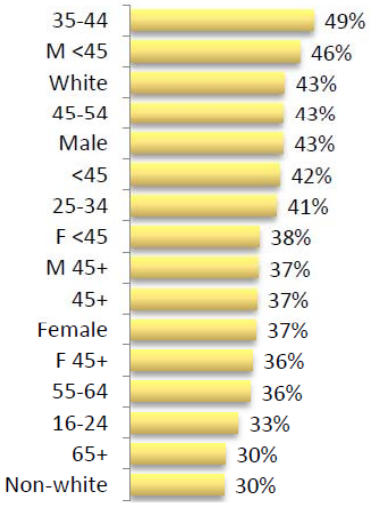
"I drive, bike, and walk to get around the city and there is still a lot I don't understand about how these interactions should work."

- Prioritize education and enforcement for ALL road users
  - Increase awareness of rules of the road
  - Increase compliance
  - Decrease animosity between road users
- Address this topic head-on in BMP Update

Key Findings: Non-infrastructure barriers

- Weather and hills are major barriers
  - Weather is number one barrier in both IVR phone and online survey
  - White paper on hill climb assistance
- Low access (40%) to working bike
  - IVR phone survey results:



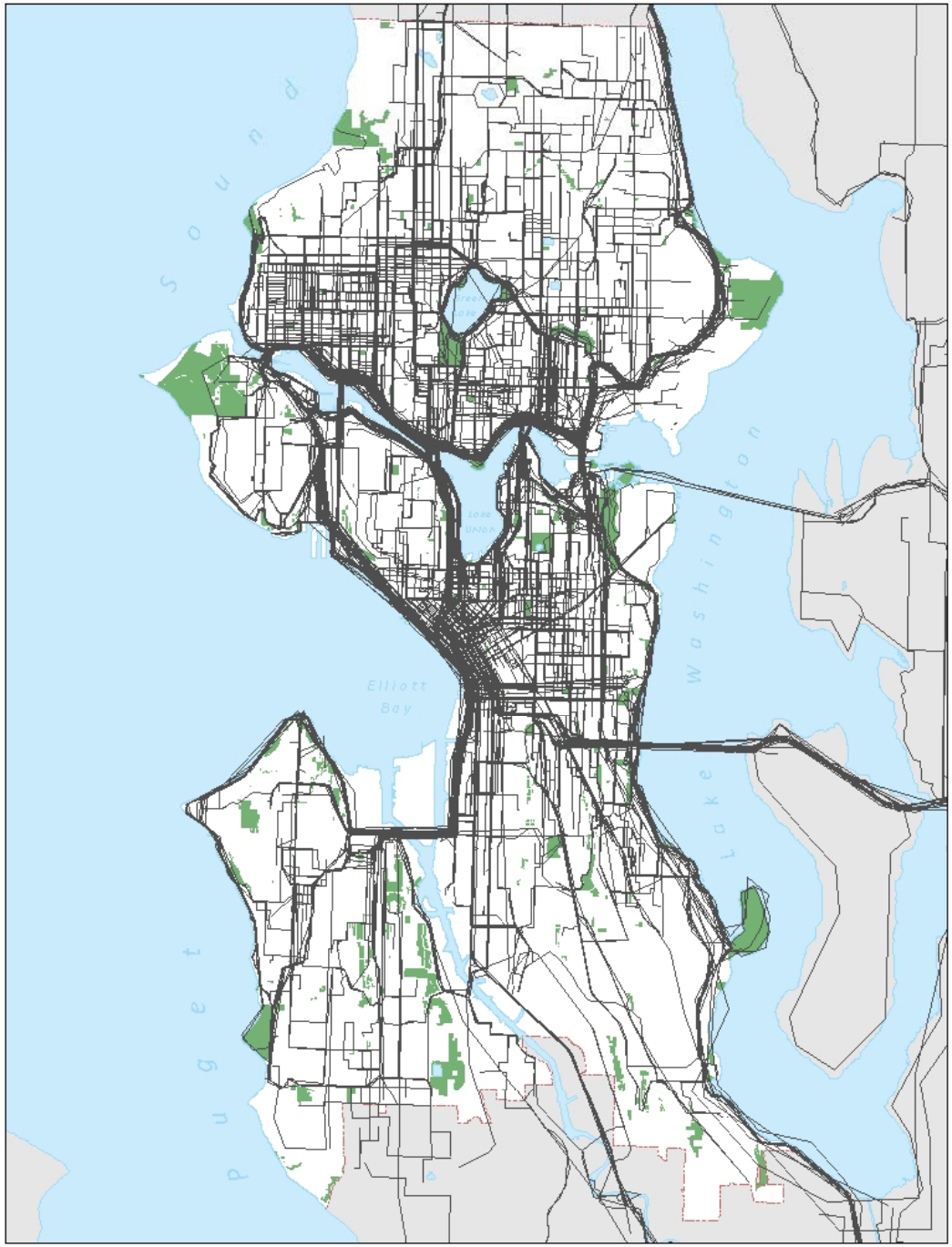


Public Engagement Phase 1 Summary – online mapping tool

- Positive response from users
  - Needs further refinement for future use
- Feedback to be used in developing the updated draft bicycle network map and other parts of the draft plan

Question 1: Where do you currently ride?

2,568 distinct routes

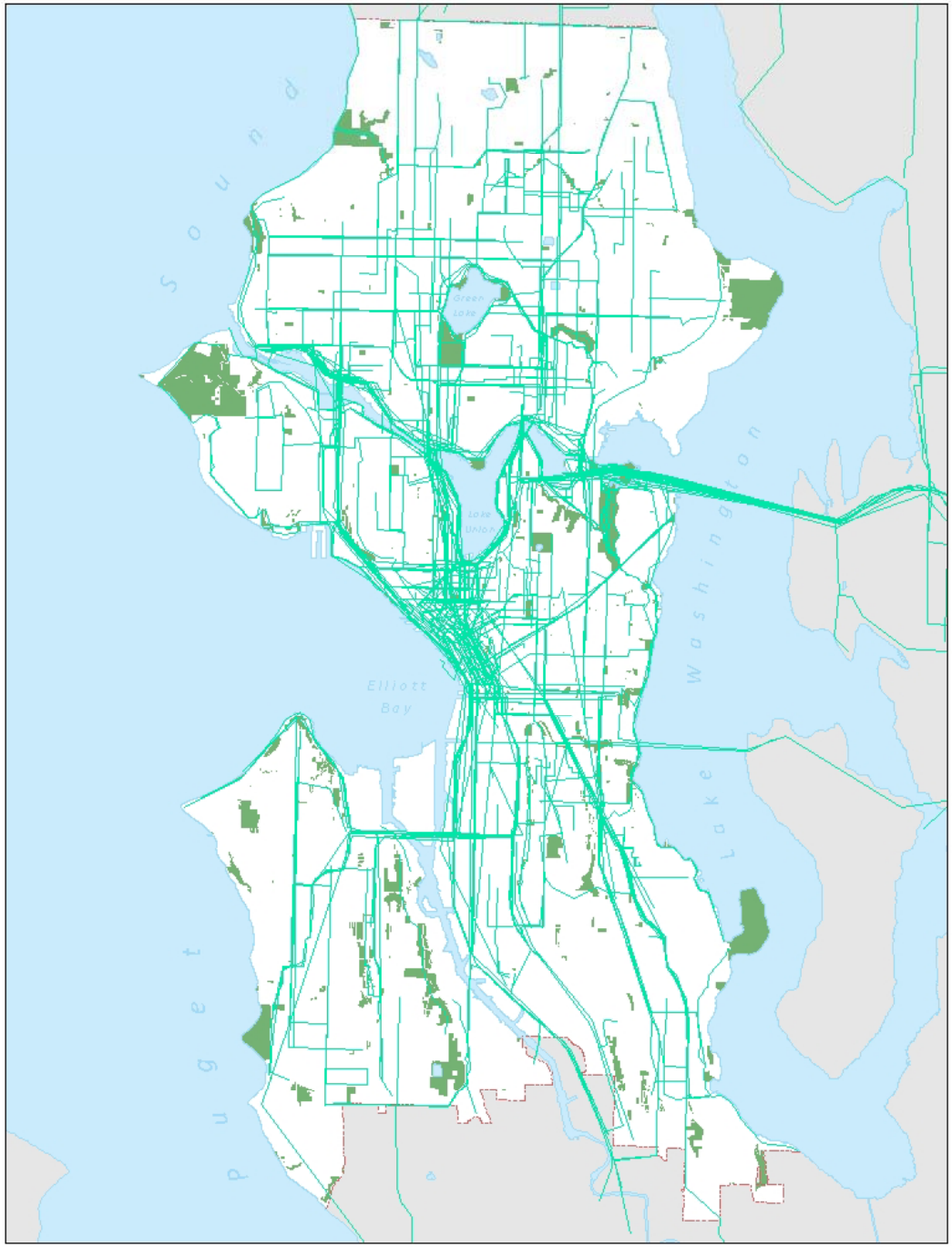


Question 2: Where would you like to ride that you currently do not?

1,053 entries

Top two:

- **Ballard BGT missing link**
- **SR-520**

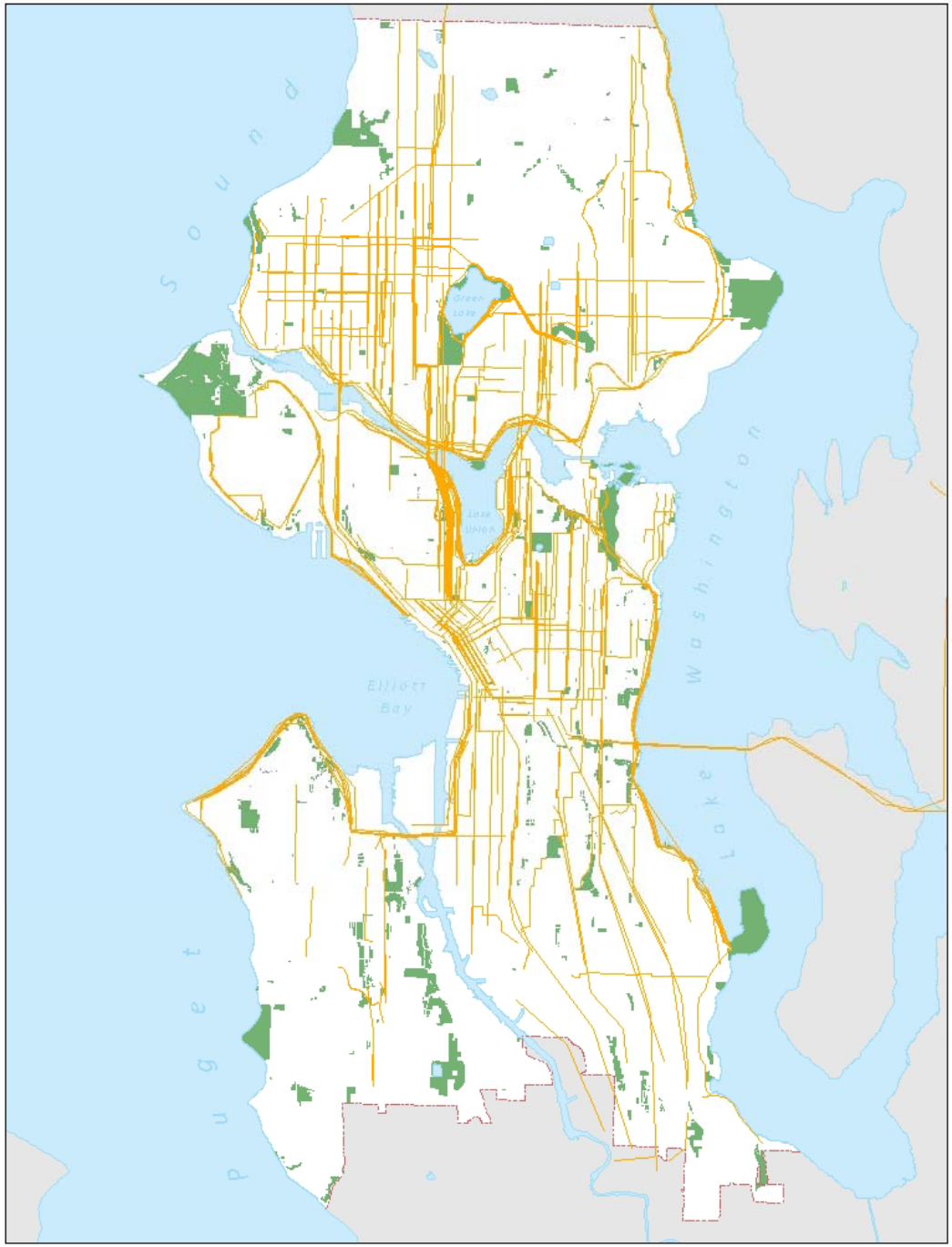


Question 3: Based on your experience, which Seattle streets are best to ride?

793 entries

Top two:

- **Dexter Ave**
- **NE Ravenna Blvd**

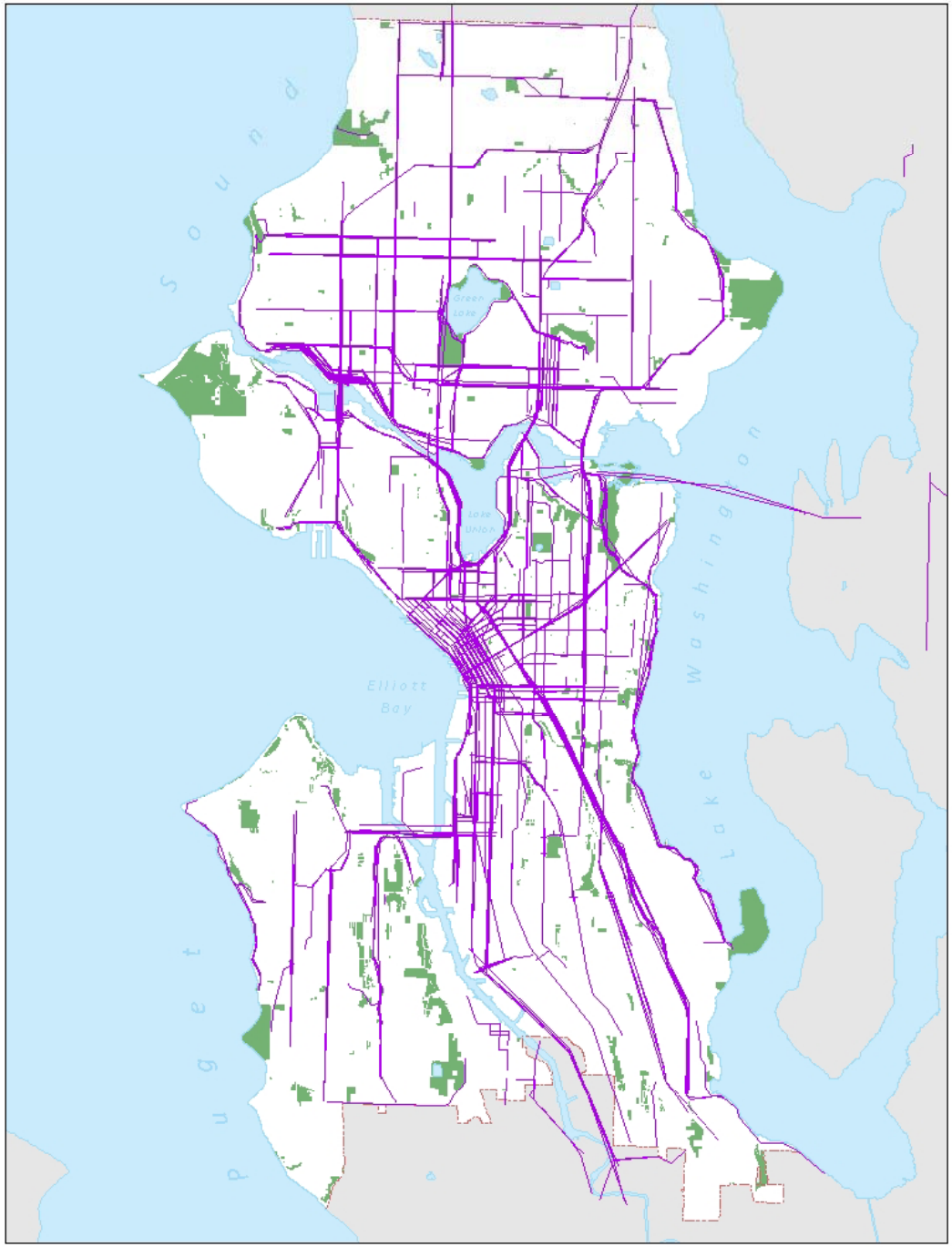


Question 4: Based on your experience, which Seattle streets are worst to ride?

1,737 entries

Top two:

- **Ballard BGT missing link**
- **Rainier Ave S**

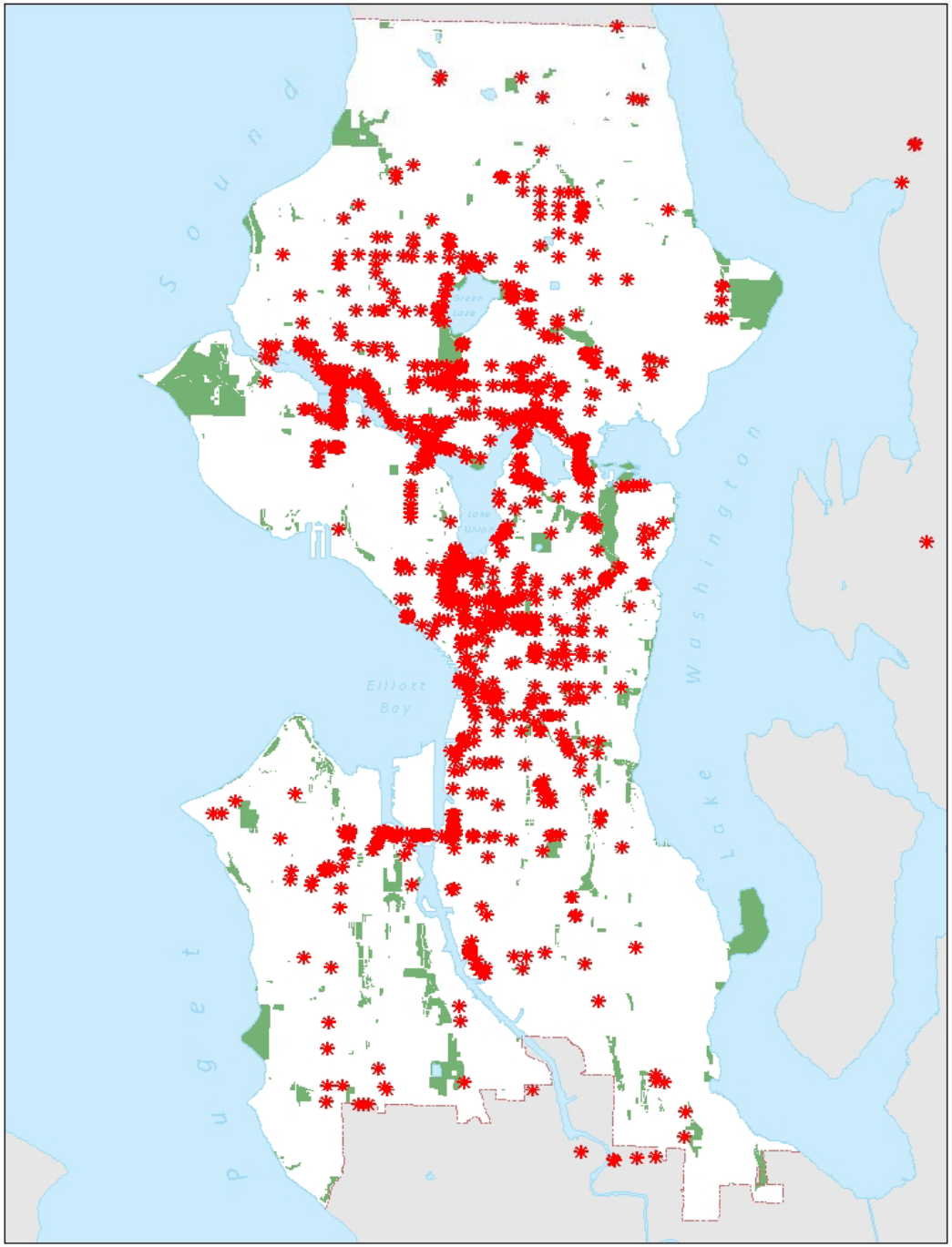


Question 5: Where would you like to see future crossing improvements?

2,200+ points identified

Top two:

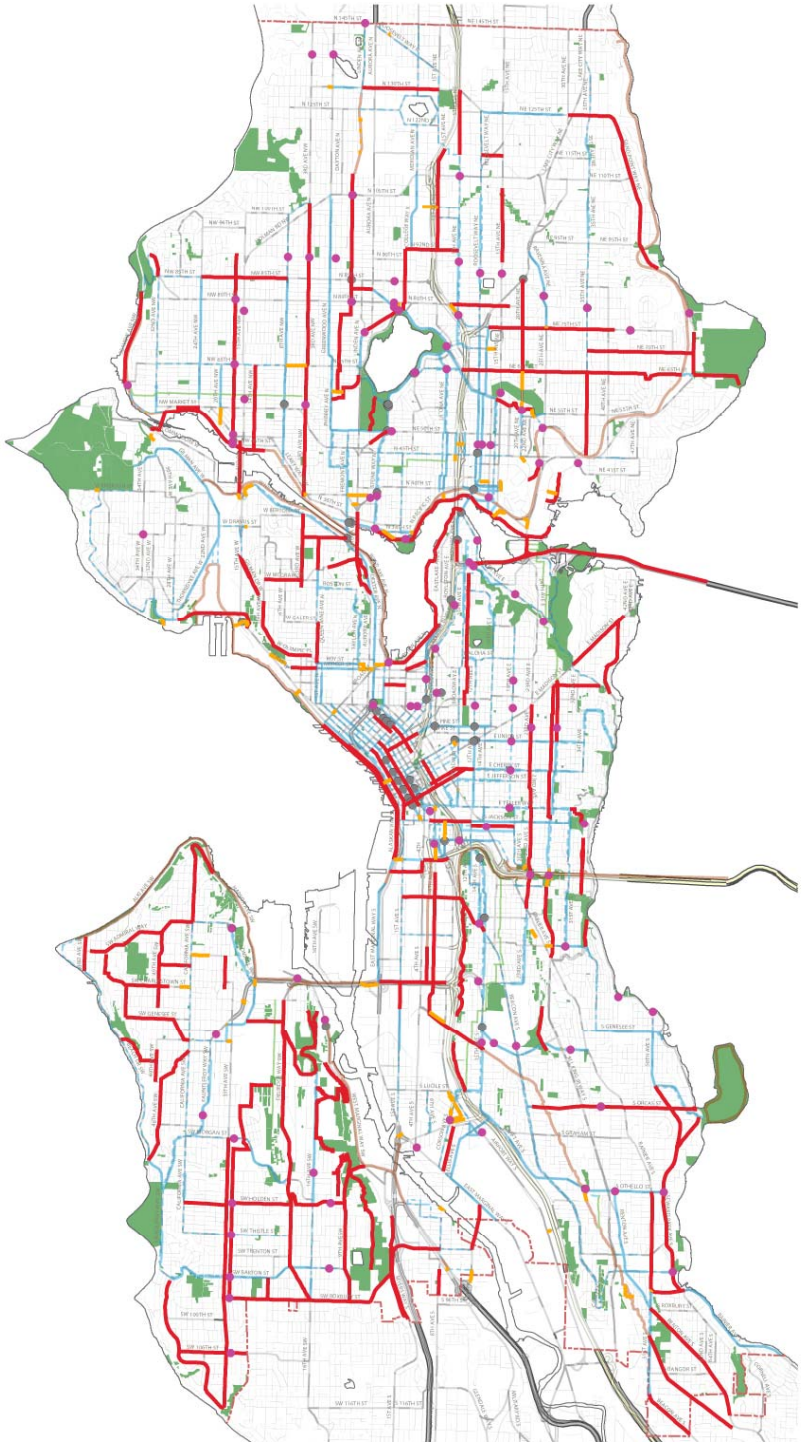
- **Ballard Bridge**
- **Broad St and Valley St**



Gap Analysis Overview

- Part of the State of the Seattle Bicycling Environment Report
- 2007 BMP implementation gaps map
- Equity analysis of existing bicycle network

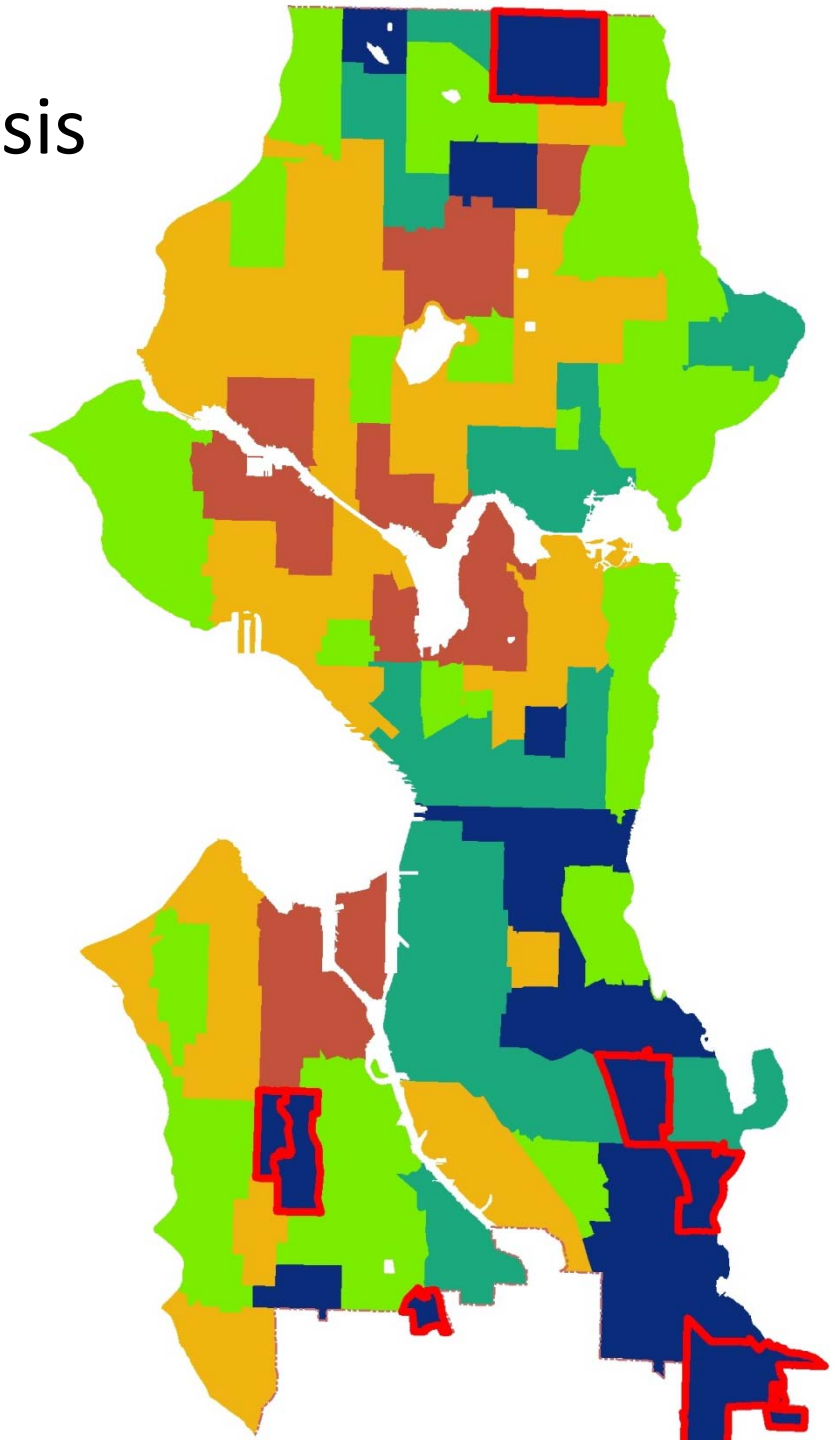
Gap Analysis: 2007 Implementation gaps map



- Crossing Gap
- Network Gap
- Corridor Gap

Equity analysis of existing network

- Minority density
- Poverty
- Under 18
- Over 65
- 0 car households



Low Service
High
Low

BMP Update Next Steps

- Complete Public Engagement (Phase 1) Report
- Complete State of the Seattle Bicycling Environment Report
- Vision, goals, objectives (performance measures) – September SBAB meeting
- White Papers