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Presented to: City of Port Orchard

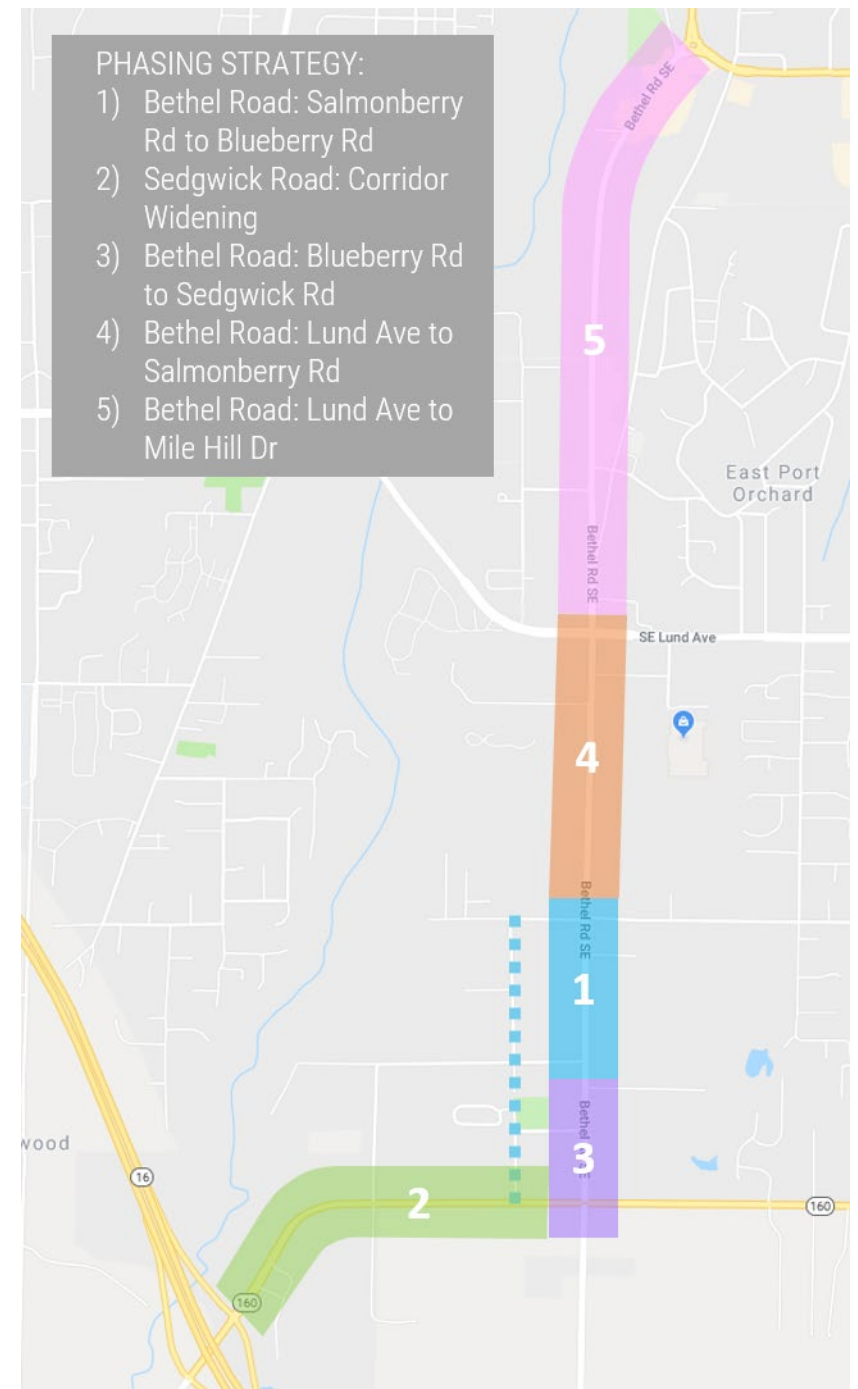


# Bethel Phase 1 Street Improvement Project

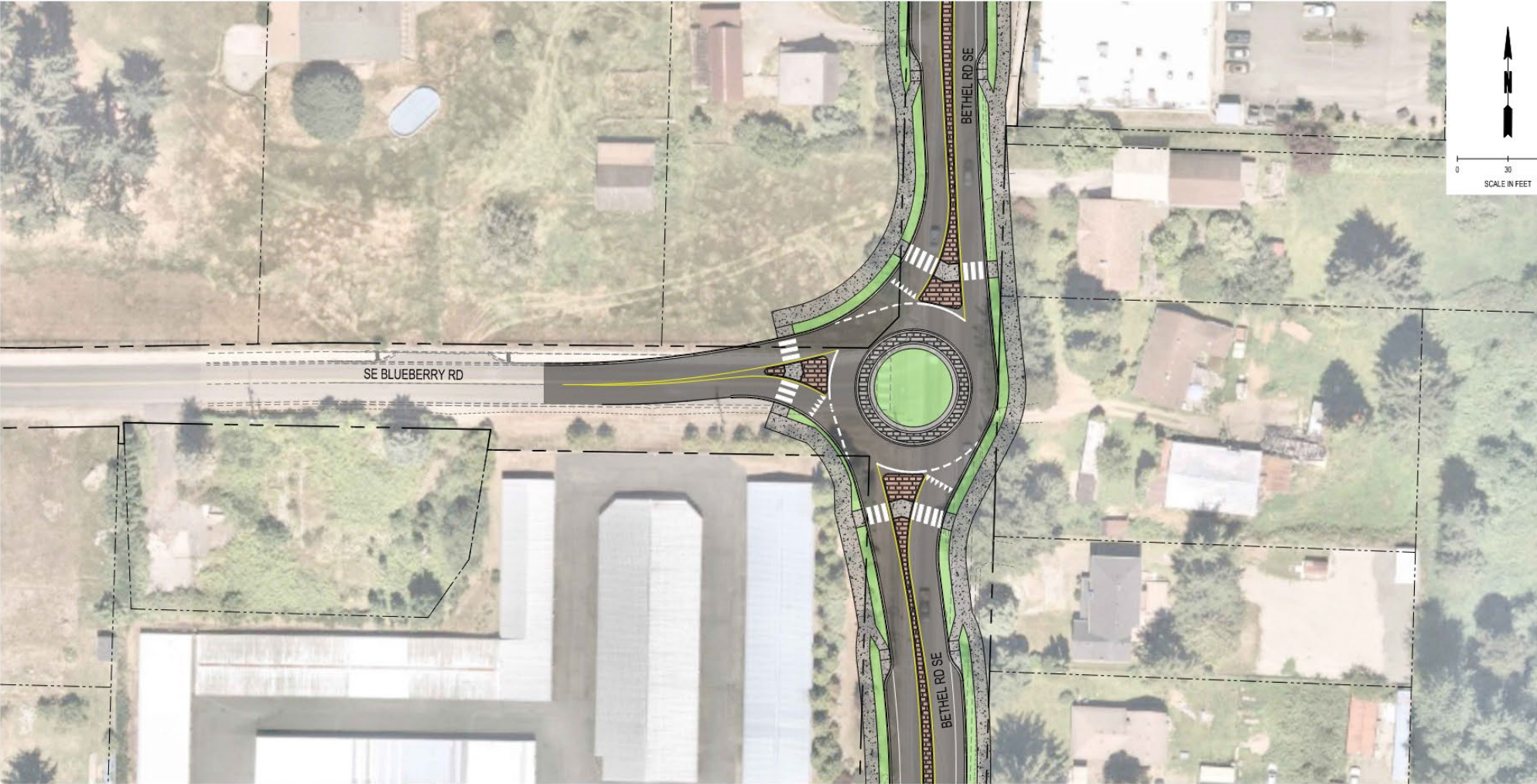
Sept 2023

# Bethel Road Corridor

- Phase 1: Blueberry and Salmonberry
- Roundabout Development
  - Blueberry Concept
  - Salmonberry Concepts
    - Multi-lane 4-leg (2018 Corridor Study Design)
    - Single-lane 4-leg
    - Single-lane 3-leg
- Salmonberry Improvements to the East
  - Hidden Hills Development



# BLUEBERRY 3-LEG SINGLE-LANE ROUNDABOUT

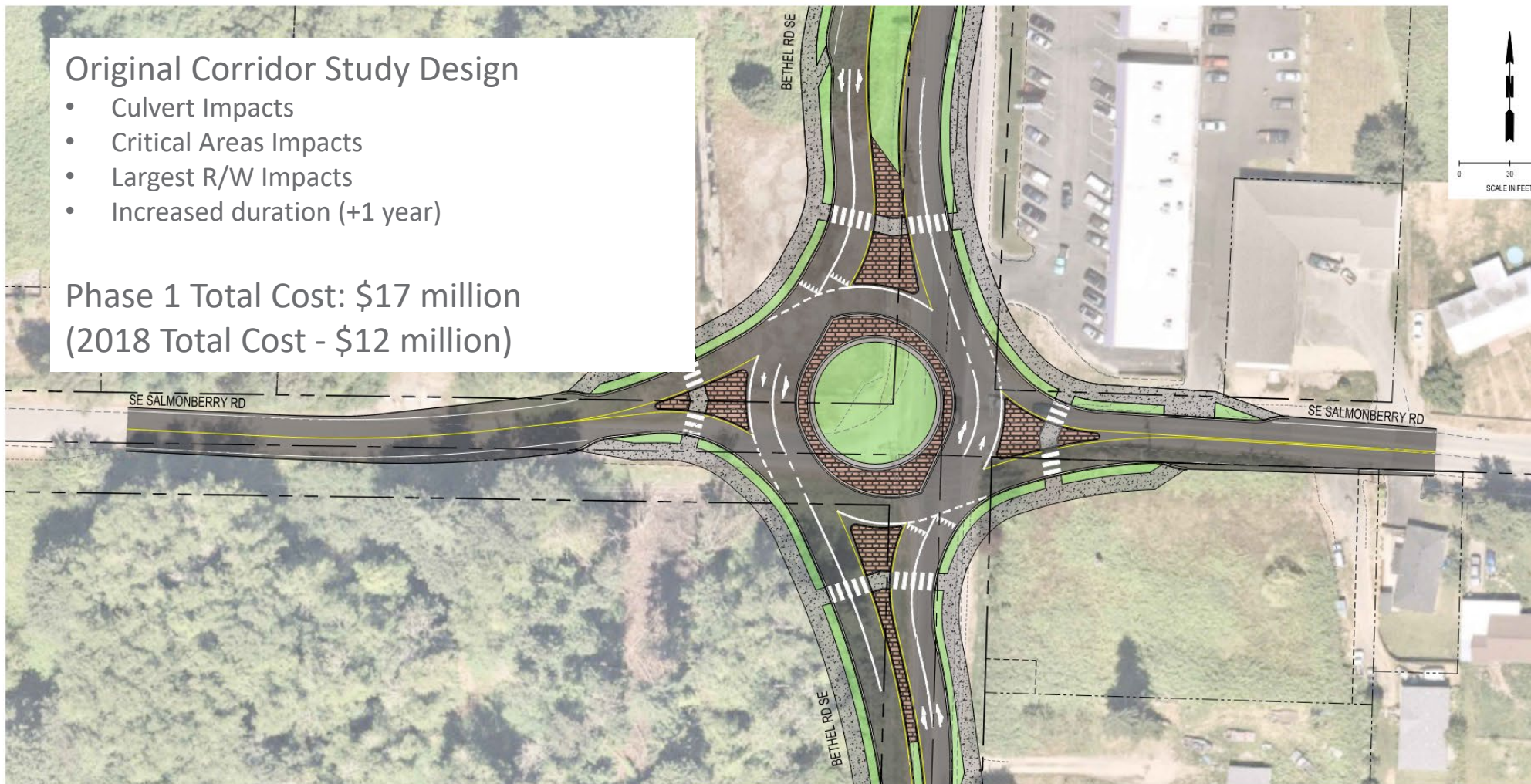


# SALMONBERRY 4-LEG MULTI-LANE ROUNDABOUT

## Original Corridor Study Design

- Culvert Impacts
- Critical Areas Impacts
- Largest R/W Impacts
- Increased duration (+1 year)

Phase 1 Total Cost: \$17 million  
(2018 Total Cost - \$12 million)



# SALMONBERRY 4-LEG SINGLE-LANE ROUNDABOUT

4-Leg Single Lane Concept:

- Safer
- No culvert impact

Phase 1 Total Cost: \$13.5 million  
(2018 Total Cost - \$12 million)

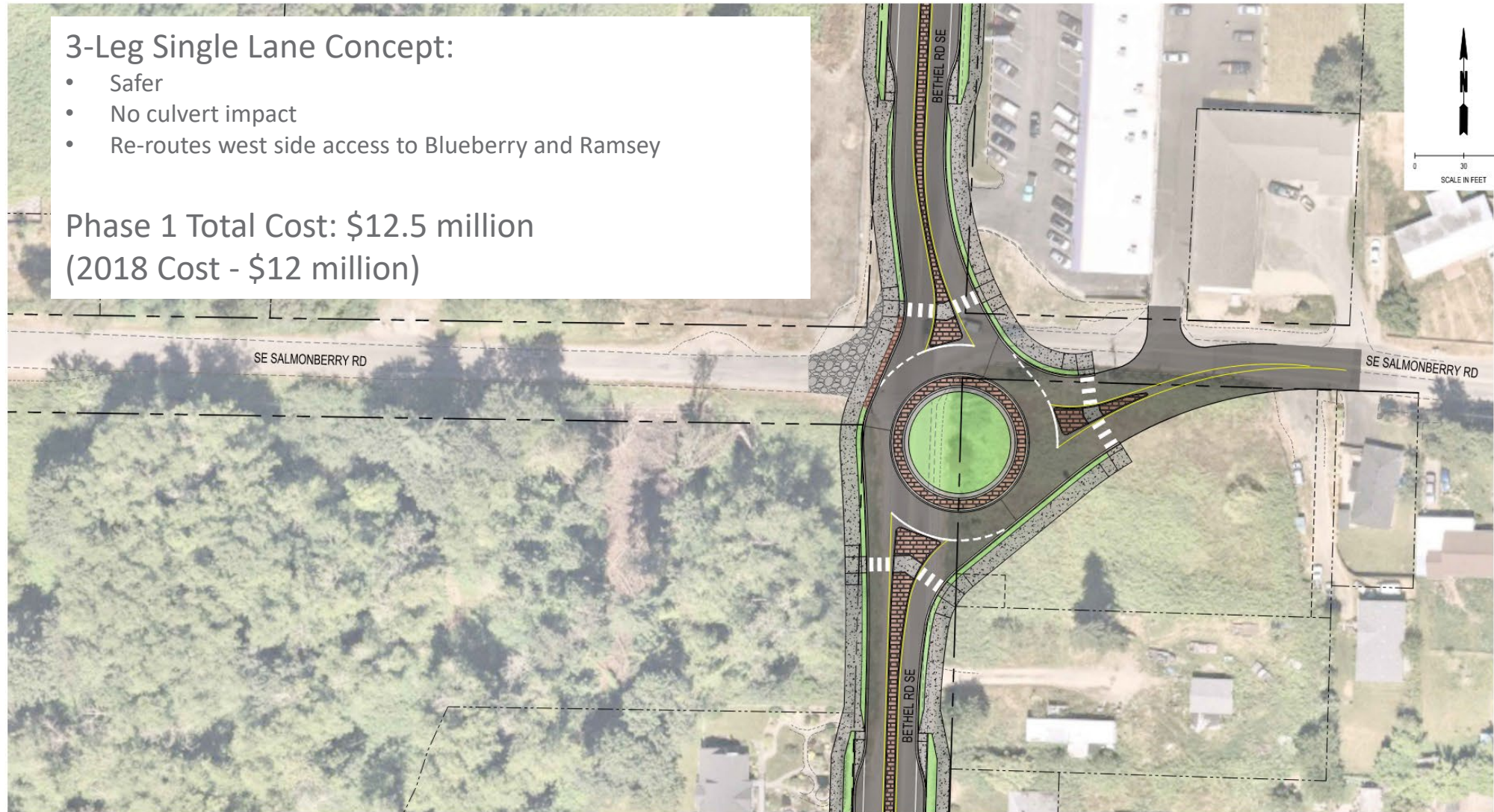


# SALMONBERRY 3-LEG SINGLE-LANE ROUNDABOUT

## 3-Leg Single Lane Concept:

- Safer
- No culvert impact
- Re-routes west side access to Blueberry and Ramsey

Phase 1 Total Cost: \$12.5 million  
(2018 Cost - \$12 million)



# SALMONBERRY EAST (HIDDEN HILLS DEVELOPMENT)

## City Project Costs

- Design \$240,467
- Construction \$864,671
- Total \$1,105,138

## Hidden Hills Development Contribution (29.4%)

- Design \$96,231
- Construction \$229,784
- Total \$326,015



## City Funded Remainder

- Design \$144,236
- Construction \$634,887
- Total \$779,123

## Total Phase 1 Cost Increase

- Preferred Alternative \$13.5 million
- Salmonberry East Additional \$780,000
- New Phase 1 Total ~\$14,280,000

# Public Input

- Online Survey
- Main Focus:
  - Input on the Salmonberry Intersection
    - Access to West Salmonberry
  - Corridor Cross Section
    - Sidewalk
    - Bike Lanes
    - Road Widths



## **Bethel Road Phase 1 Street Improvement Project**

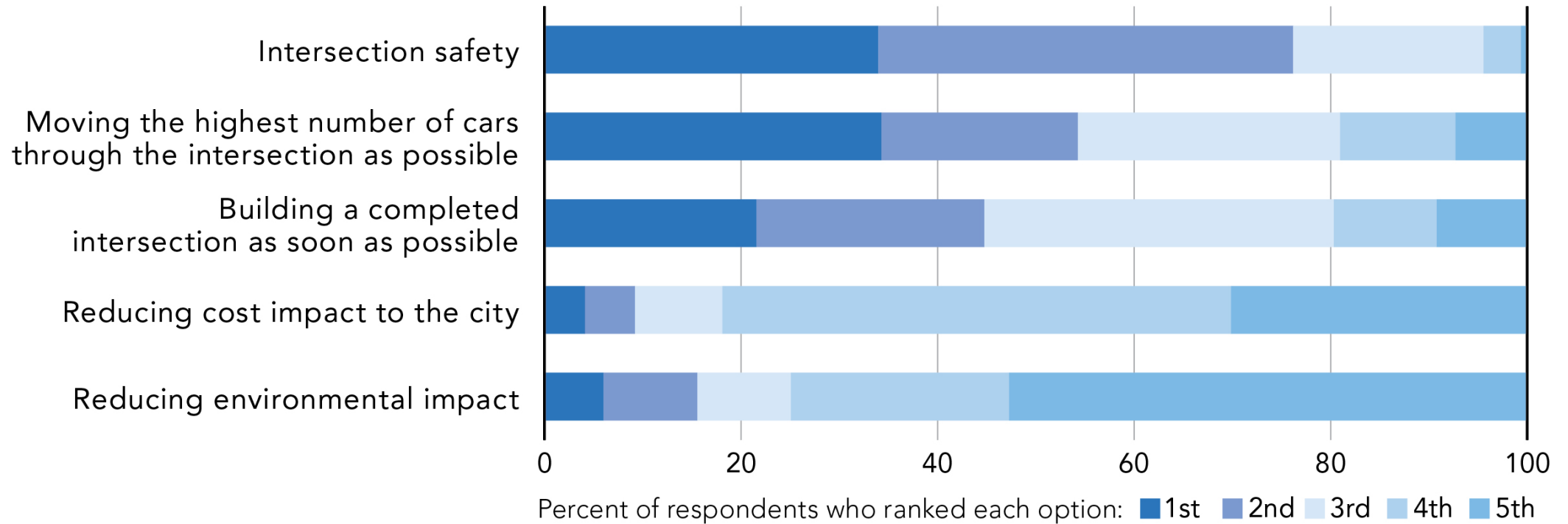
City of Port Orchard



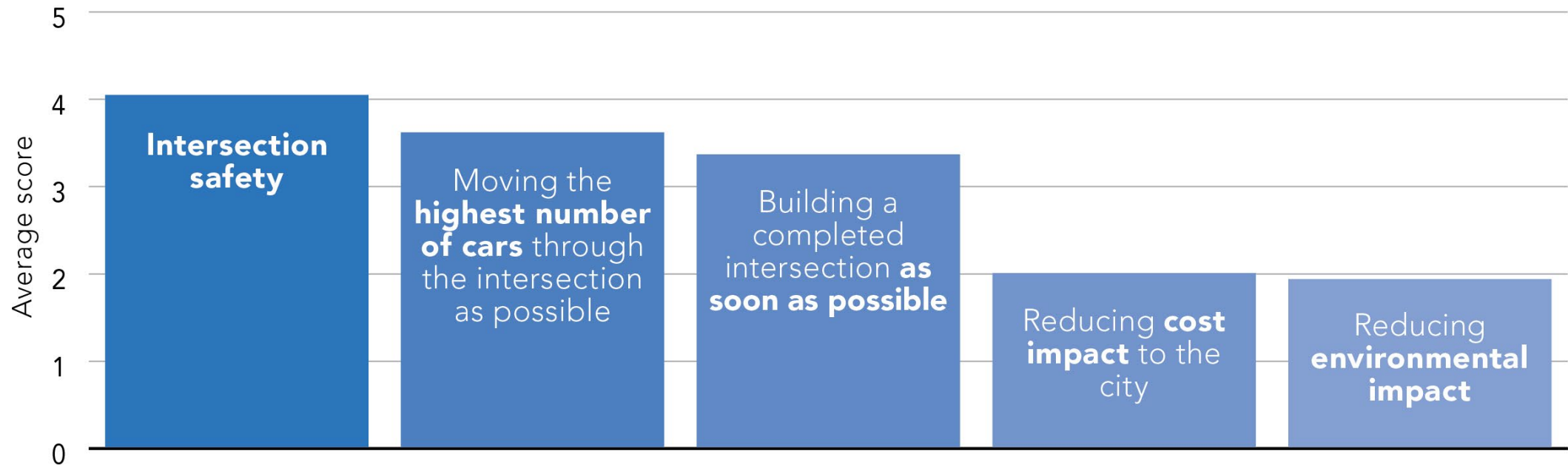
# Bethel Corridor Phase 1 Improvements – **Public Survey**

- Survey open for one month (August 21-September 21)
- 334 survey responses received (with varying levels of completion)

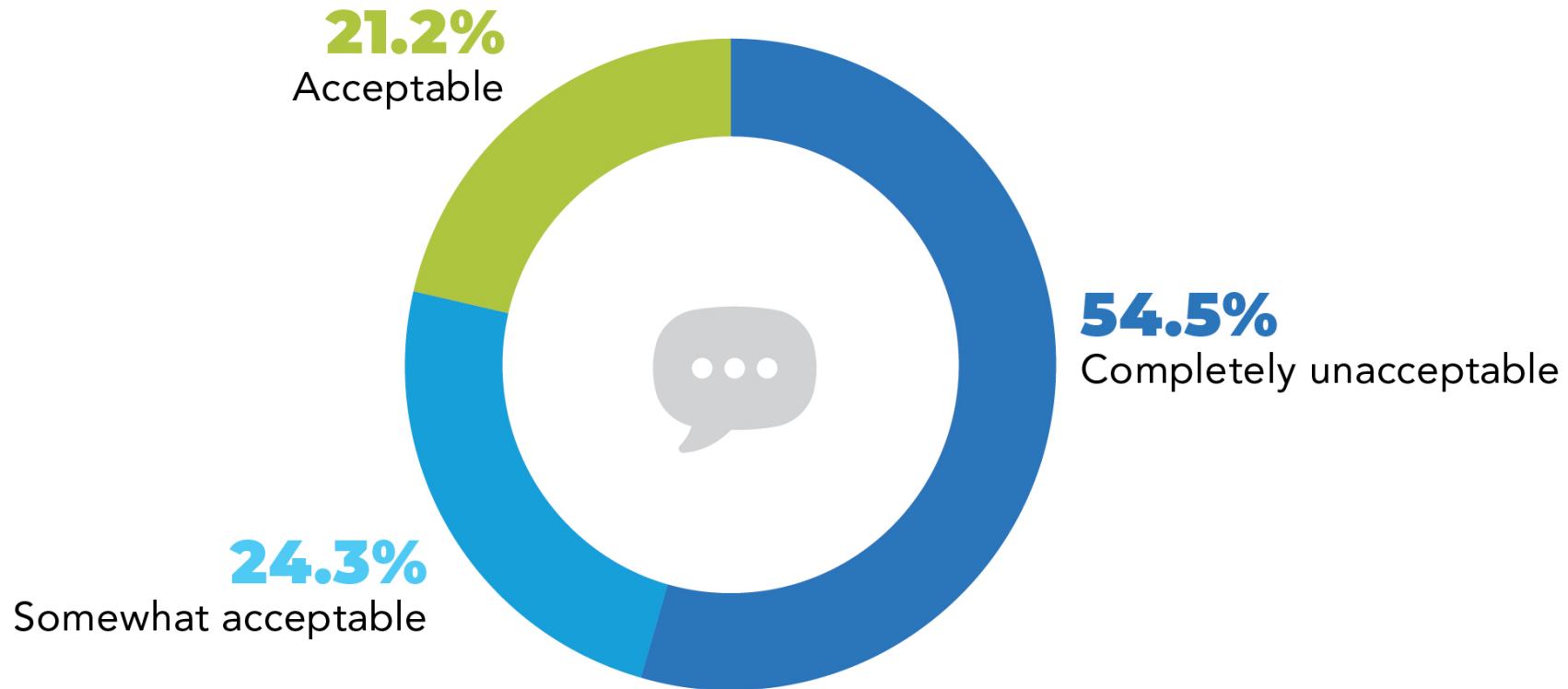
For the future intersection at Salmonberry, please rank the following elements in order of their importance to you...



For the future intersection at Salmonberry, please rank the following elements in order of their importance to you...



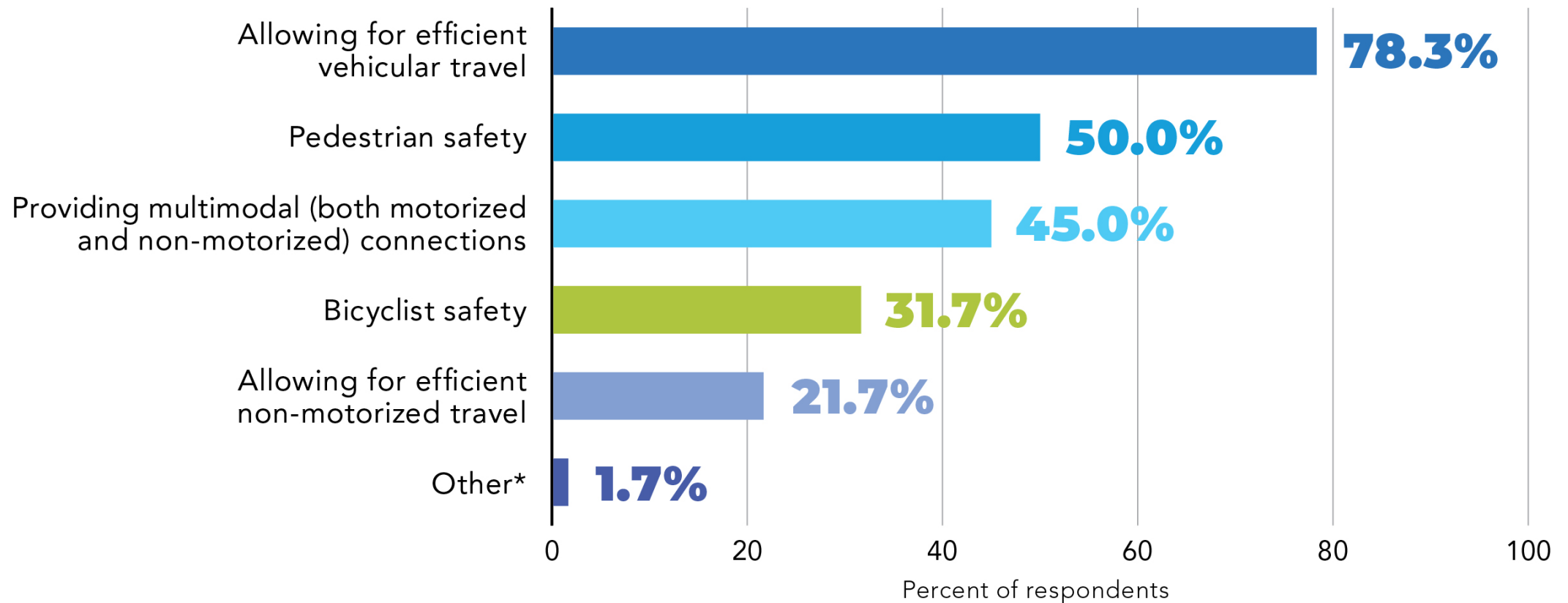
The 3-leg roundabout configuration (Concept B) would eliminate full access to Salmonberry Road west of Bethel to reduce cost and eliminate environmental impacts. Do you think this is...



## Do you have any other thoughts or concerns about the Bethel/Salmonberry Road roundabout concepts?

- 139 open-ended responses
- Common response themes included:
  - **Access to Salmonberry Road (about 32% of responses):** Concerns raised about potential negative impact on residents and emergency services if access to Salmonberry Road were limited or eliminated
  - **Traffic Safety and Accidents (30%):** Concerns about the current traffic conditions and frequency of accidents at the intersection and the need for improvements to enhance safety
  - **Impact of New Growth/Developments (28%):** Highlighted the impact of new developments on traffic congestion, stressed the importance of addressing infrastructure needs alongside future population growth
  - **Roundabout Suitability (25%):** Some questioned whether a roundabout is the most appropriate solution, with concerns about its effectiveness in handling the high volume of traffic on Bethel Road
  - **Desire for Multi-Lane Roundabout (19%):** Some respondents specifically expressed a belief that a larger/multi-lane roundabout would better accommodate traffic/future growth
  - **Concerns About 3-Leg Roundabout (15%):** These concerns revolved around the potential limitations and inconveniences of a three-leg roundabout, particularly regarding traffic flow and access

When it comes to the cross-section of the Bethel Road corridor, which of the following are important to you? Select all that apply.

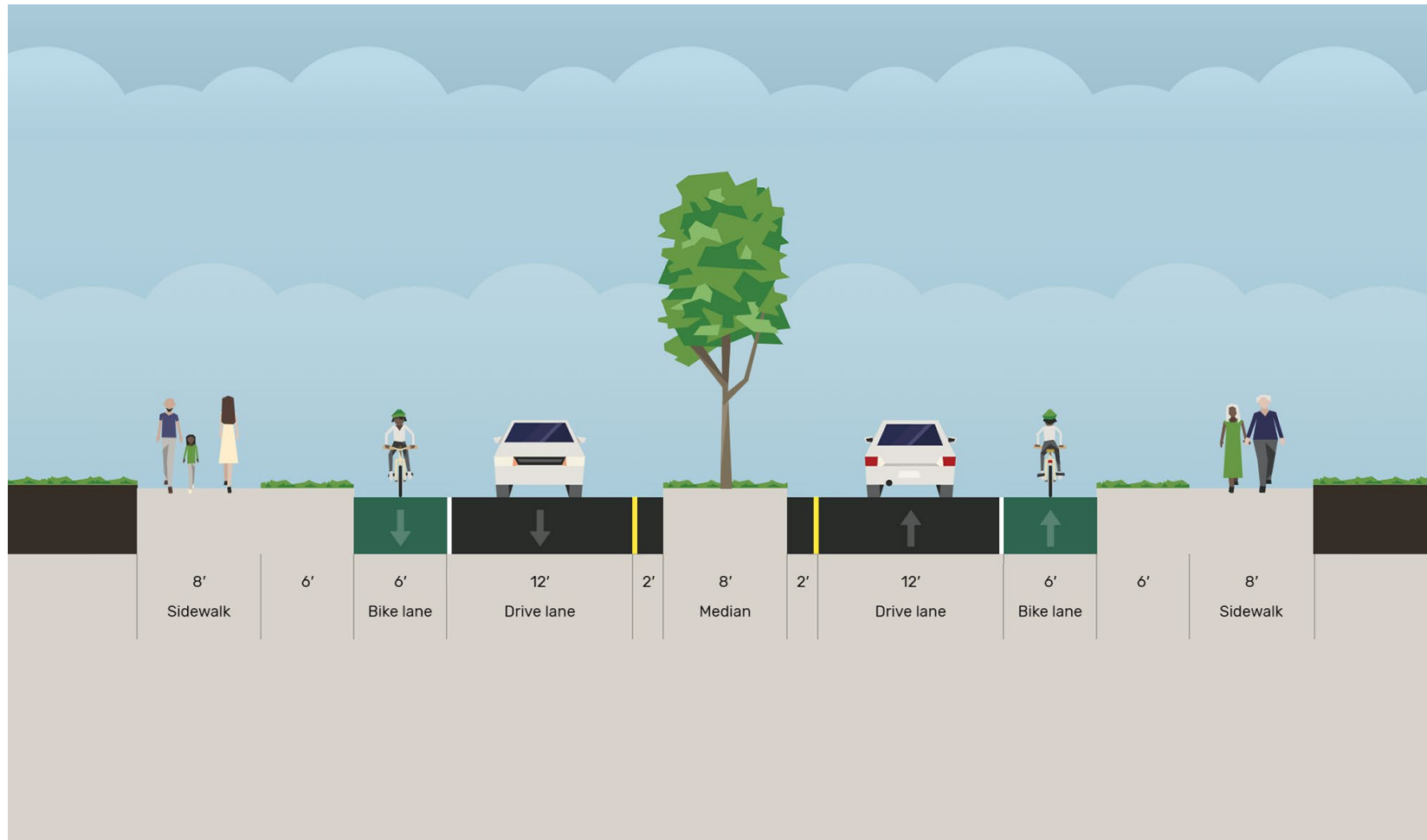


\* Those who selected "Other" were provided an open-ended space to specify their response. One "Other" response was received, which specified: "None of these. Bethel is fine how it is. I drive and walk it regularly"

## Do you have any other thoughts or concerns about the character of the Bethel Road corridor?

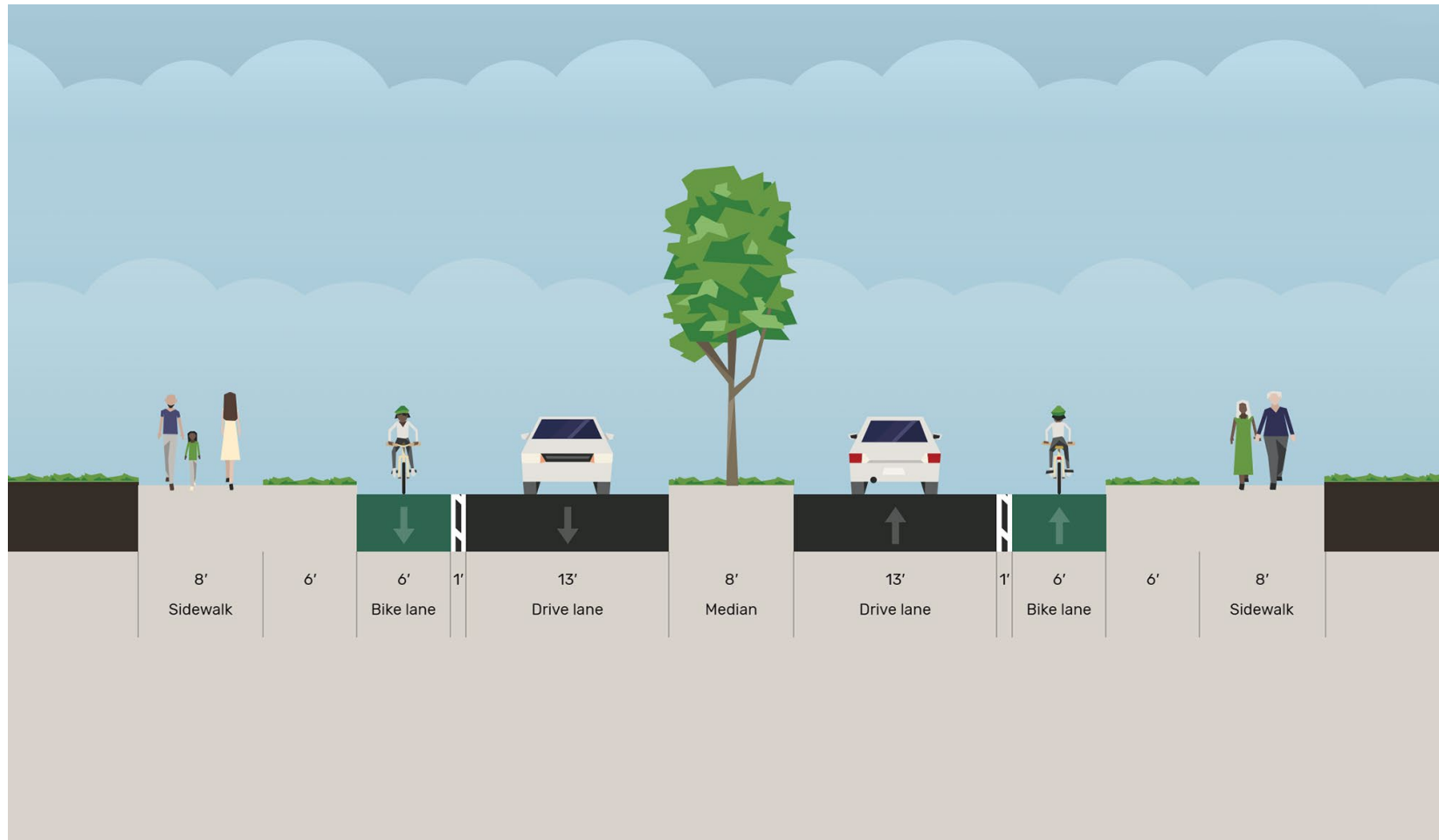
- 29 open-ended responses
- Common response themes included:
  - **Traffic Flow and Congestion (about 24% of responses):** Concerns raised about traffic flow and congestion on Bethel Road, emphasizing the need for solutions such as left turn lanes, road widening, and improved traffic management
  - **Emphasis on Vehicle Traffic (20%):** Highlighted the lack of pedestrian activity on Bethel Road and suggested prioritizing car and/or bicycle infrastructure over pedestrian-friendly amenities
  - **Importance of Doing It Right (16%):** Emphasizing the need for careful planning, long-term considerations, and ensuring that the project serves the community's needs effectively
  - **Safety and Separation of Non-Motorized Traffic (12%):** Emphasized the importance of safety for both cyclists and pedestrians by separating them from car traffic

# Original Cross Section





# Buffered Bike Lane - Cross Section



# Shared Use Path - Cross Section



# Recommendation



**4-Leg Single Lane Roundabout  
Salmonberry/Bethel**



Thank you.



**SCJ ALLIANCE**  
CONSULTING SERVICES