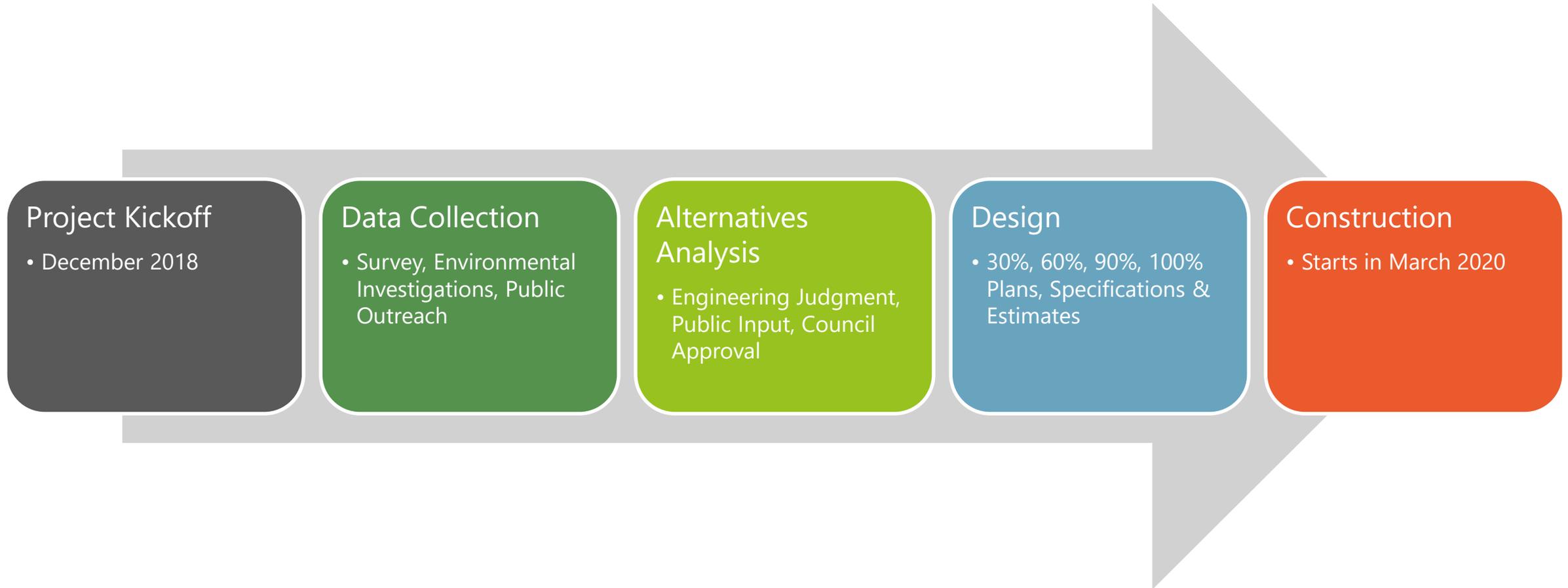


# NE Lake Road and NE Everett Street (SR-500)

INTERSECTION IMPROVEMENTS



# Project Overview



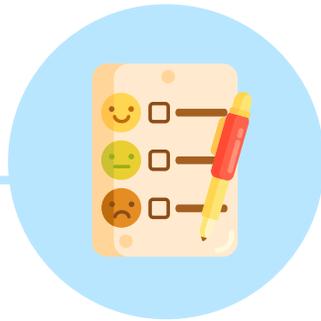
# Public Involvement Update



Stakeholder  
Interviews  
*January 2019*



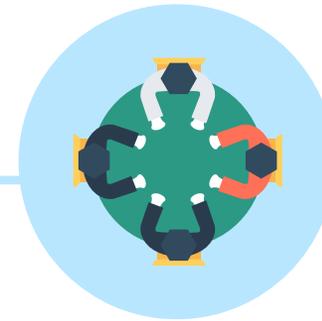
PAC  
Meeting #1  
*February 2019*



Community  
Survey  
*February –  
March 2019*



Community  
Open House #1  
*February 2019*



PAC  
Meeting #2  
*March 2019*



Community  
Open House #2  
and Second  
Community  
Survey  
*April 2019*

# Public Involvement Update



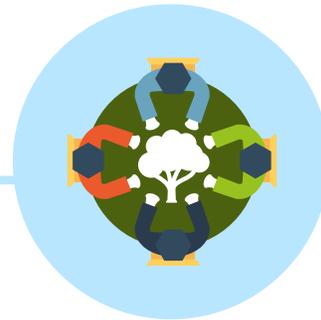
Landscape  
Committee  
Meeting #1  
*September 2019*



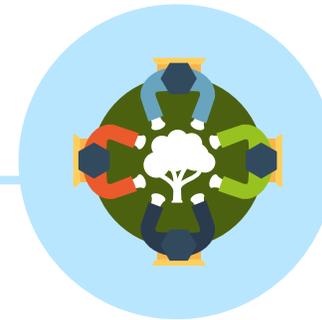
Landscape  
Committee  
Meeting #2  
*October 2019*



City Council  
Meeting  
*October 2019*



Landscape  
Committee  
Meeting #3  
*October 2019*



Final  
Landscape  
Committee  
and PAC  
Meeting  
*November 2019*



City Council  
Meeting  
*November 2019*

# Video: 2040 No-Build



Click [here](#) to watch online.

# Alternatives Analysis

An aerial photograph of a road and a river, overlaid with a dark blue gradient. The road is a two-lane asphalt road with yellow double lines, curving from the left towards the right. To the left of the road is a parking lot with several cars. To the right of the road is a river that flows from the bottom left towards the bottom right. The surrounding area is densely wooded with evergreen trees. The entire image is covered with a dark blue gradient that is darkest at the top and fades slightly towards the bottom.

# Alternatives Analysis - Evaluation Criteria

## **Public Impacts & Benefits**

- Overall project schedule
- Parking impacts
- Accessibility to lake
- Private property impacts
- Aesthetics

## **Traffic Impacts & Benefits**

- Short-term traffic impacts: construction
- Long-term traffic impacts: resiliency
- Pedestrian safety
- Vehicular safety
- Access management

## **Environmental Impacts & Benefits**

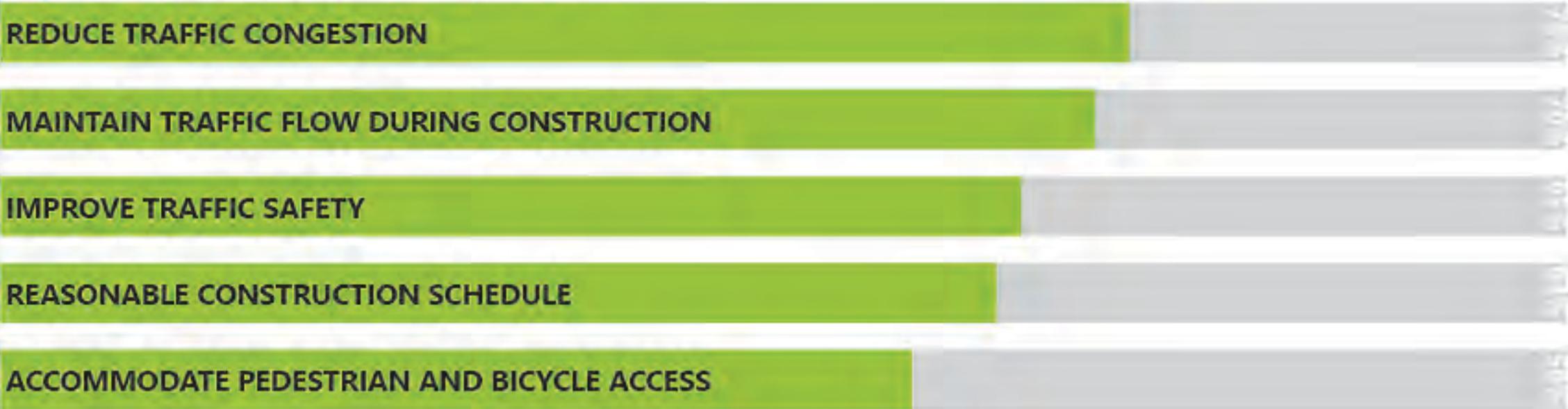
- Tree impacts
- Lake and wetland impacts
- Habitat impacts
- Water and air quality

## **Infrastructure Impacts & Benefits**

- Impact to existing bridge
- Short-term cost (construction)
- Utility impacts

# Alternative Analysis Scoring and Community Survey Results

## Top Five Criteria for the New Intersection



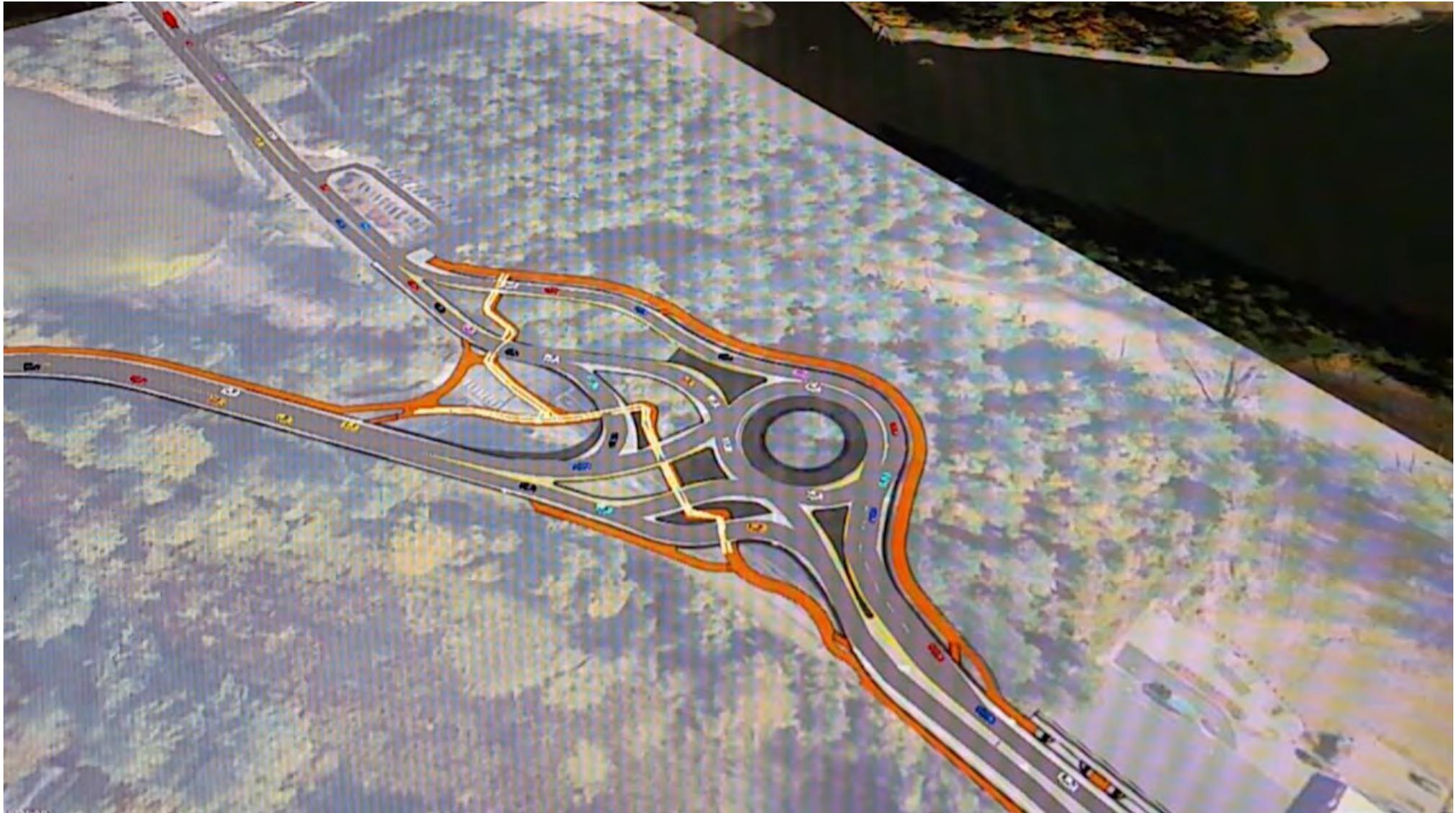
	No Build	Signal 1	Signal 2	Signal 3	Roundabout 1	Roundabout 2	Roundabout 3
<b>Final Ranking of Alternatives</b>	5	6	7	4	<b>1</b>	3	2

# Video: Signal Improvements



Click [here](#) to watch online.

# Video: Roundabout Improvement



Click [here](#) to watch online.

# Selected Intersection



# Selected Intersection



# Selected Landscape Design



# Fly-Through Video

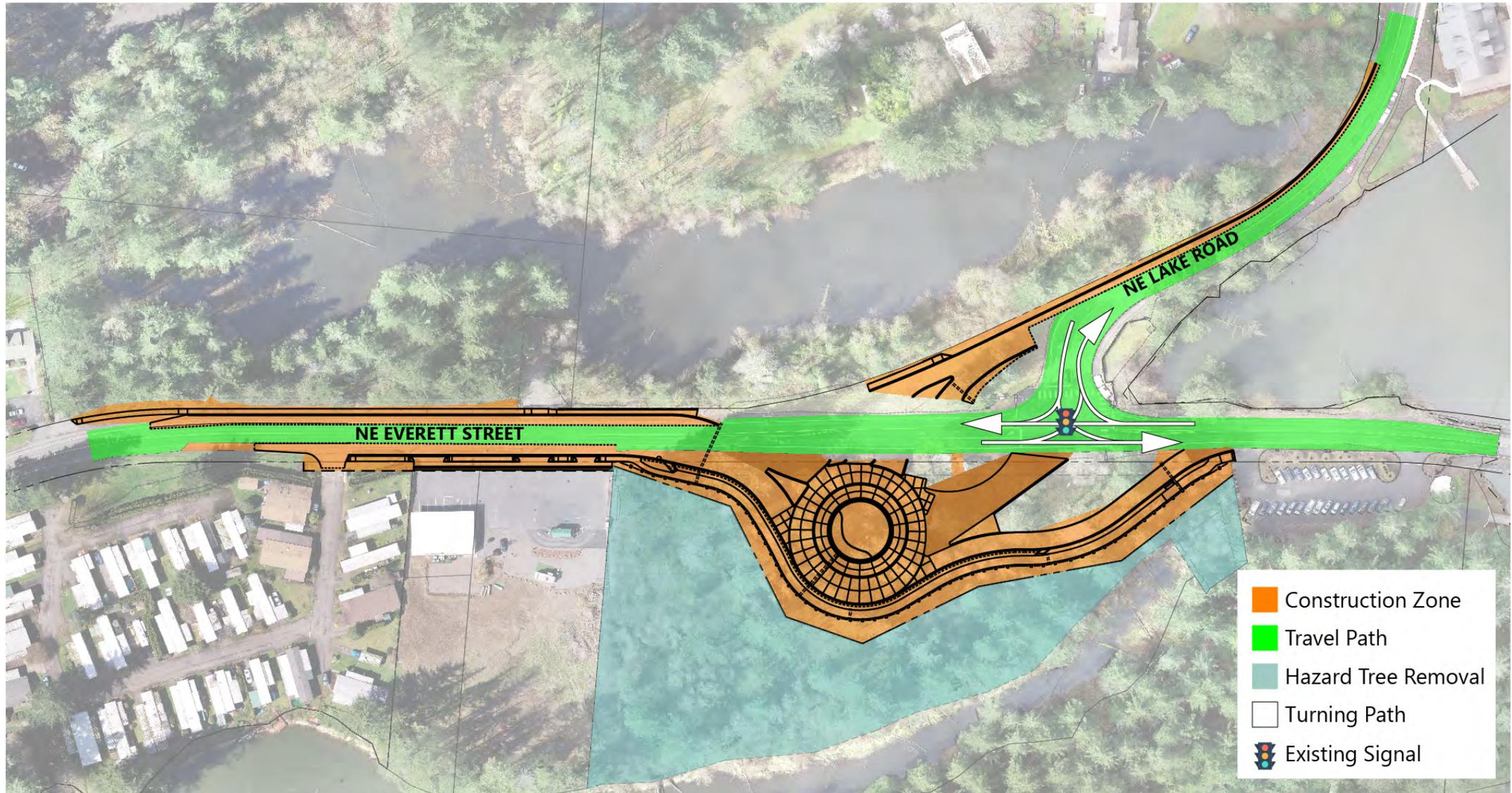


Click [here](#) to watch online.

# During Construction



# Stage 1 (March – July 2020)

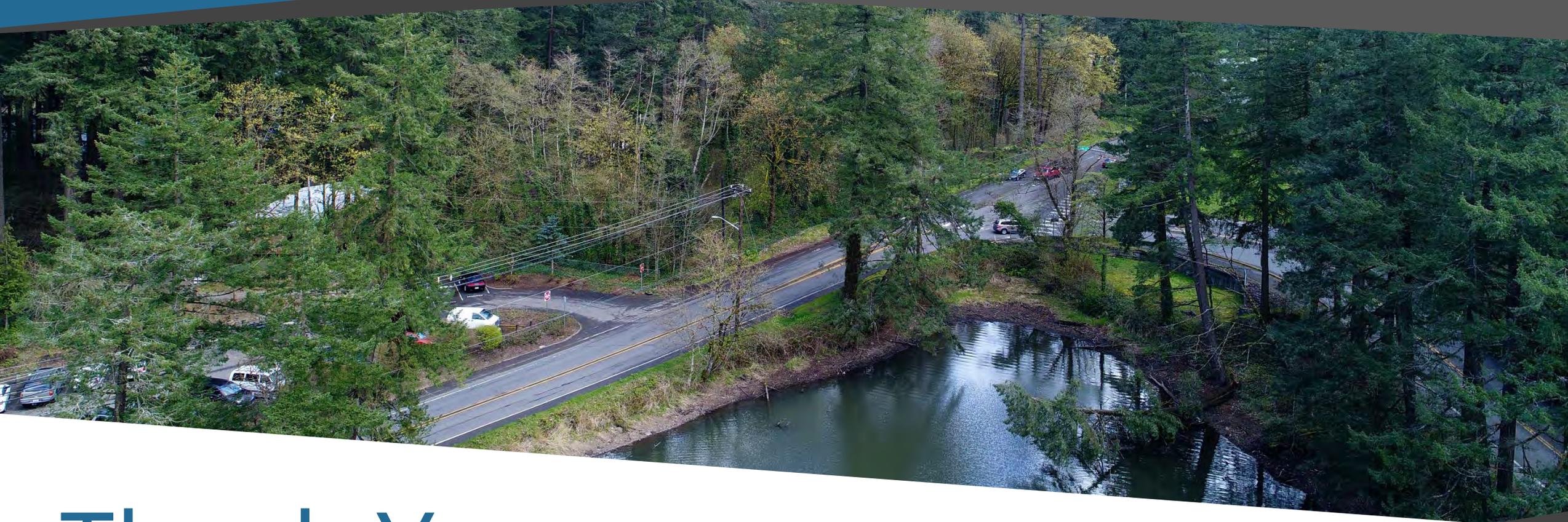


# Stage 2 (August 2020)



# Stage 3 (September – October 2020)



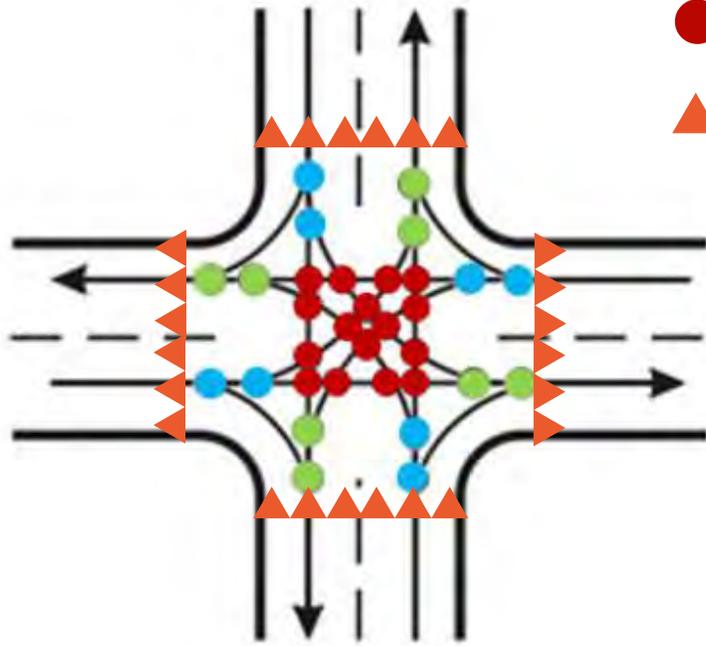


Thank You

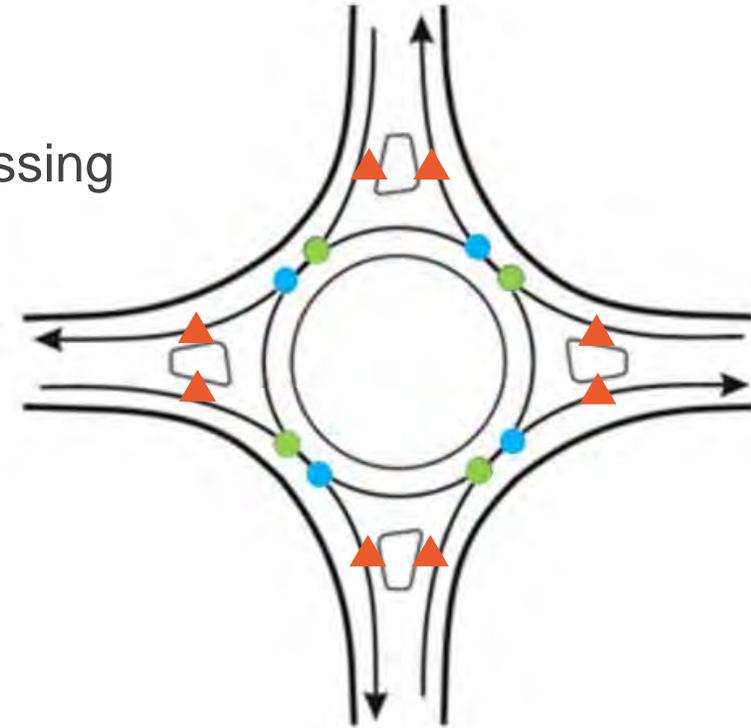


# Vehicle Conflict Points: Signals vs. Roundabouts

- Diverging
- Merging
- Crossing
- ▲ Pedestrian Crossing



**32** Vehicle Conflict Points  
**24** Pedestrian Conflict Points



**8** Vehicle Conflict Points  
**8** Pedestrian Conflict Points

# Safety Benefits of Roundabouts over Signals



37% ↓ reduction in overall collisions

75% ↓ reduction in injury collisions

90% ↓ reduction in fatality collisions

40% ↓ reduction in pedestrian collisions

Traffic calming effect

Pedestrian safety *(lower speeds, traffic stream focus, refuge island)*

No light to "beat"

# Additional Benefits: Roundabouts over Signals

## Operations

- Lower Overall Delay
- Improves Access
- Lower Operating Costs
- Always Works (*Power Outage*)

## Environmental Factors

- Less Noise
- Less Fuel Consumption
- Better Air Quality
- Less Pavement

# Frequent Comments/Questions

- How will construction impact traffic?
- Can there be a pedestrian bridge or tunnel?
- Why not include replacement of the existing bridge now?
- School traffic is the real problem—won't high school drivers be confused by a roundabout?
- There isn't enough parking now, how will this project impact that?



# Eastbound Drive-through



# Southbound Drive-through



# Existing Traffic Conditions



# Improved Signal – 2040 Traffic Conditions

