WHAT IS IT?
• A technical analysis and planning tool to analyze traffic scenarios
• Traffic based on observed travel patterns
• Accounts for movement and interaction of people, bikes, buses, trucks, and cars
• Combines complex numerical analysis with visual animation of traffic movement

BENEFITS
• Allows testing of potential changes to the street network without building them
• Helps predict congestion
• Helps visualize expected operation
• Makes it easier to refine roadway and intersection network changes needed to manage traffic
ASSUMPTIONS

- Model year of 2019
- PM peak hour traffic
- All traffic trips are routed to or through the study area
- Future Lowe’s site redevelopment would generate comparable auto traffic to what Lowe’s does today
- New east-west streets to connect Rainier and MLK Jr. Way:
  - Lander (if Lowe’s site is redeveloped)
  - Forest (existing bus transit center)
- Additional traffic signals
- Minor bus route adjustments
- Bike lanes on both Rainier and MLK Jr. Way
HIGHLIGHTS

• High crash intersection removed (Rainier Ave S/MLK Jr. Way S)
• Accommodates the same traffic demand
• Balances traffic on Rainier Ave S and MLK Jr. Way S
• Supports bike and pedestrian improvements
• Supports better bus operations and transfers between bus and rail
Accessible Mt. Baker

PM Peak Hour Origin and Destination Patterns

BEFORE
Southbound Rainier Ave S

AFTER
Southbound Rainier Ave S

BEFORE
Southbound MLK Jr Way S

AFTER
Southbound MLK Jr Way S

BEFORE
Northbound MLK Jr Way S

AFTER
Northbound MLK Jr Way S

LEGEND
Trip Origin
Direction of traffic entering the model
Traffic Volume
Trips entering at the origin

SDOT
Seattle Department of Transportation

CASCADIA Consulting Group
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AM Peak Hour Origin and Destination Patterns

BEFORE
Southbound Rainier Ave s
Northbound MLK Jr. Way
S Lander St
S Mt Baker Blvd
S Bayview St
S McClellan St
S Forest St
S Winthrop St
S Hanford St
MLK Jr Way S
Northbound Rainier Ave s

AFTER
Southbound Rainier Ave s
Northbound MLK Jr. Way s

LEGEND
Trip Origin
Direction of traffic entering the model
Traffic Volume
Trips entering at the origin