

Eastgate Transportation Study

Vehicle Level of Service—Intersections



Intersection LOS

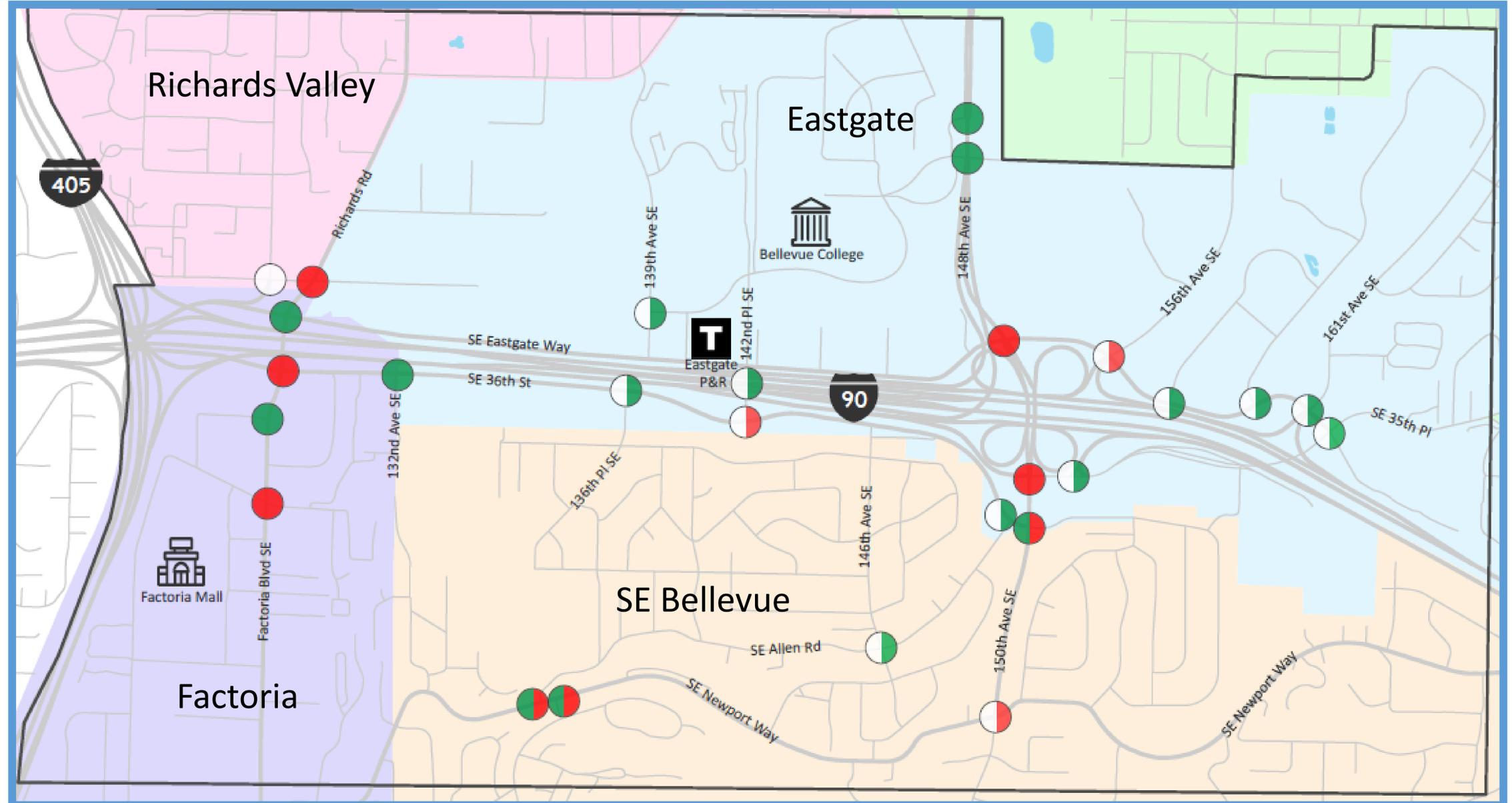
Standard V/C

Eastgate V/C = 0.90

Factoria V/C = 0.95

Richards Valley V/C = 0.85

SE Bellevue V/C = 0.80



Note: V/C is the ratio of the traffic volume that passes through an intersection relative to the capacity of the intersection to accommodate traffic. A V/C of 1.00 would represent full utilization of the intersection.

Intersection Delay Level of Service (LOS)

- Meets V/C Standard
 - Does Not Meet V/C Standard
 - Not Studied
- Existing AM V/C → ← Existing PM V/C

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Vehicle Level of Service—Corridor Travel Speed



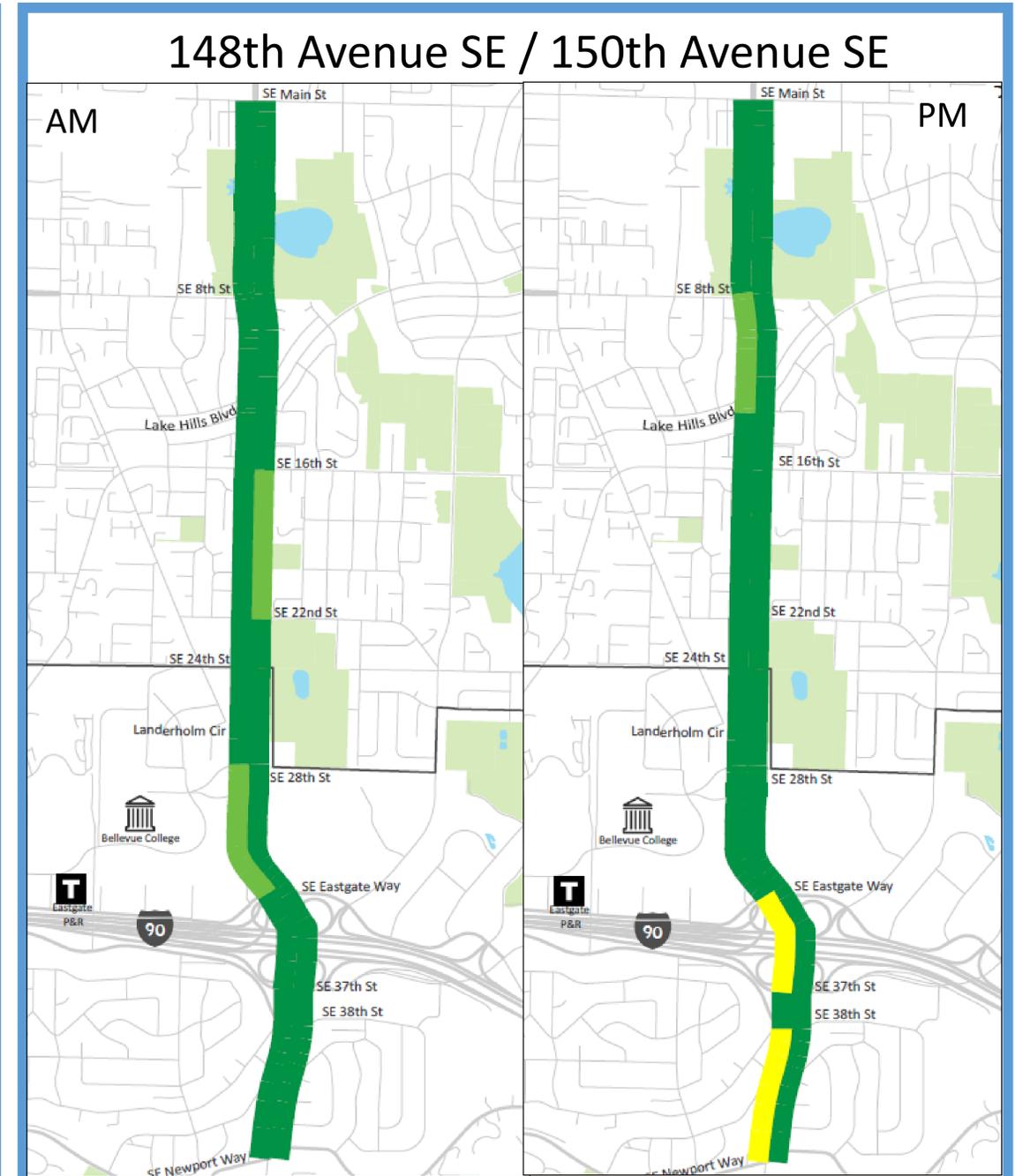
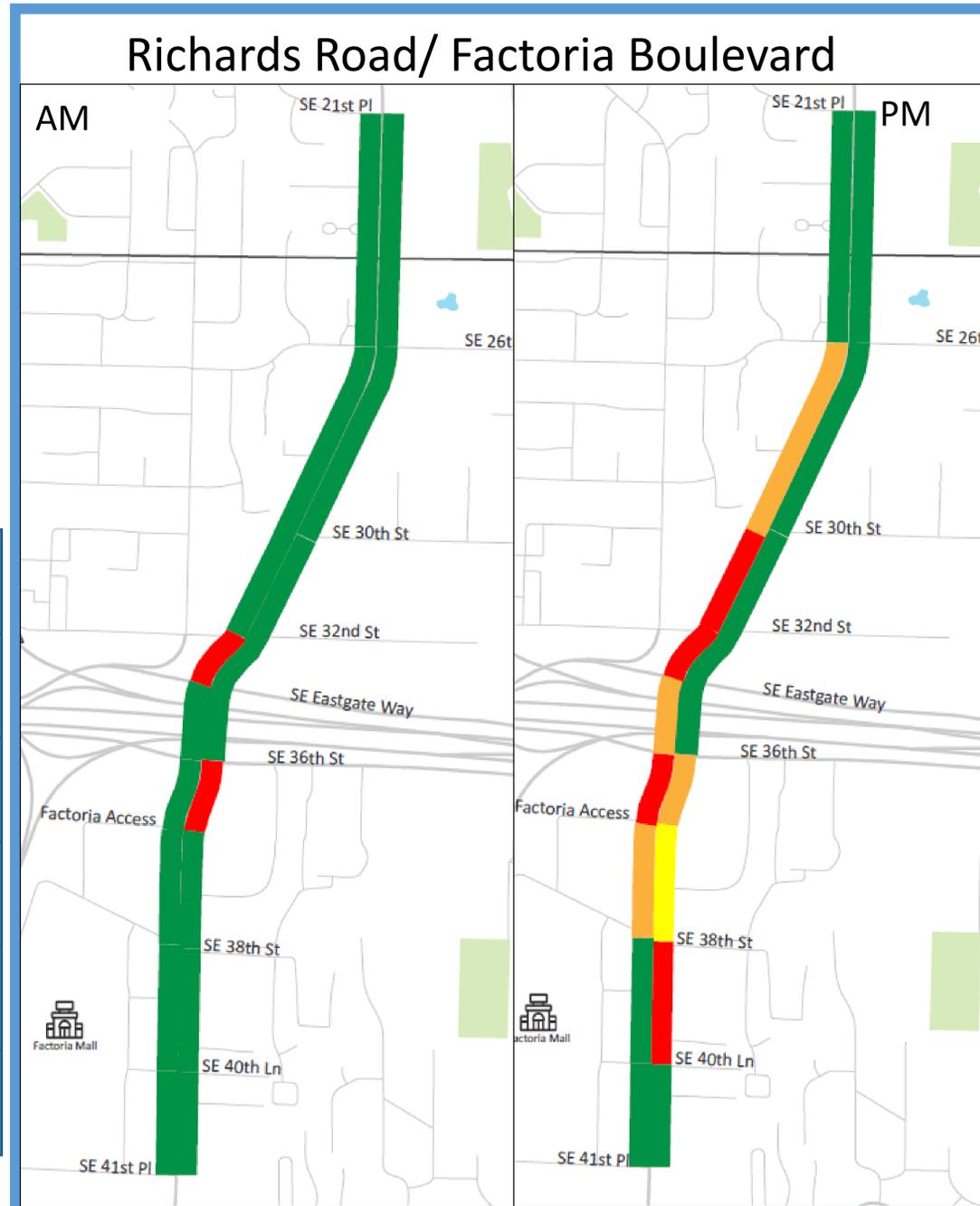
Vehicle LOS

Guideline

Corridor Speed

Target Travel Speed is 40% of Posted Speed Limit

LOS	Urban Travel Speed on Corridors
	10 % or more above Target Travel Speed
	From 10 % over to 10 % under Target Travel Speed
	From 10% under to 55% under Target Travel Speed
	From 55% under to 100 % under Target Travel Speed
	More than 100 % over Target Travel Speed



Eastgate Transportation Study

Bicycle Level of Service—Corridors & Intersections



Bicycle LOS Guidelines

Bicycle LOS on Corridors

LOS 1

- Meets
- Meets w/planned improvements
- Does not meet

LOS 2

- Meets
- Meets w/planned improvements
- Does not meet

LOS 3

- Meets
- Meets w/ planned improvements
- Does not meet

Bicycle LOS at Intersections

LOS 1

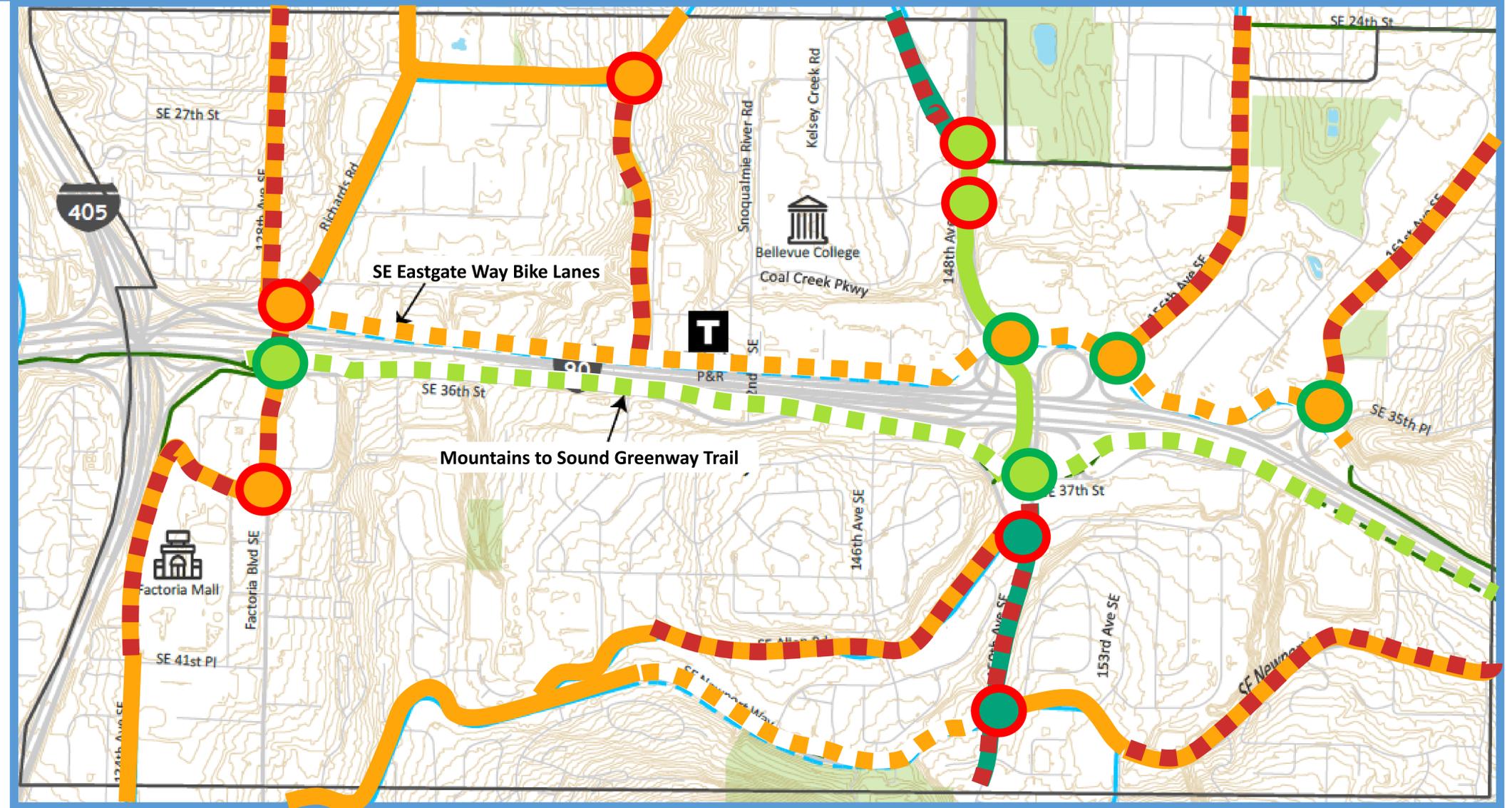
- Meets
- Does not Meet

LOS 2

- Meets
- Does not Meet

LOS 3

- Meets
- Does not Meet



Bicycle Level of Service on Corridors

Roadway Characteristics		Bicycle Facility Components: Guideline to Achieve Intended Level of Service/Level of Traffic Stress					
Speed Limit (MPH)	Arterial Traffic Volume	No Marking	Sharrow Lane Marking	Striped Bike Lane	Buffered Bike Lane (Horizontal)	Protected Bike Lane (Vertical)	Physically Separated Bikeway
</= 25	<3k	1	1	1	1	1	1
	3-7k	3	2	2	2	1	1
	>=7k	3	3	2	2	1	1
30	<15k	3	3	2	2	1	1
	15-25k	4	4	3	3	3	1
35	>=25k	4	4	3	3	3	1
	<25k	4	4	3	3	3	1
>35	>=25k	4	4	4	3	3	1
	Any	4	4	4	4	3	1

Bicycle Level of Service at Intersections

Bicycle LOS/LTS	Bike Signal	Street Crossing	Approach to Intersection	Approach to Intersection with Right Turn Lane
LOS 1	Bike Signal	Green solid or skip-stripe	Green bike box	Curb ramp to wide sidewalk, Dutch Intersection
LOS 2	Bike Signal	Skip stripe	Bike box	Green bike lane to left of turn lane
LOS 3	Green Cycle Length	Sharrow lane markings	Automatic signal actuation	Bike lane to left
LOS 4	No specific design guideline for LTS/LOS 4			
Trail or Mid-Block Crossing	Full signal or HAWK or RRFB	Green solid or skip-stripe	N/A	N/A

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Pedestrian Level of Service—Sidewalks & Intersections



Pedestrian LOS

Standards Guidelines

Arterials

Sidewalk/Landscape Buffer

Meets Does Not Meet

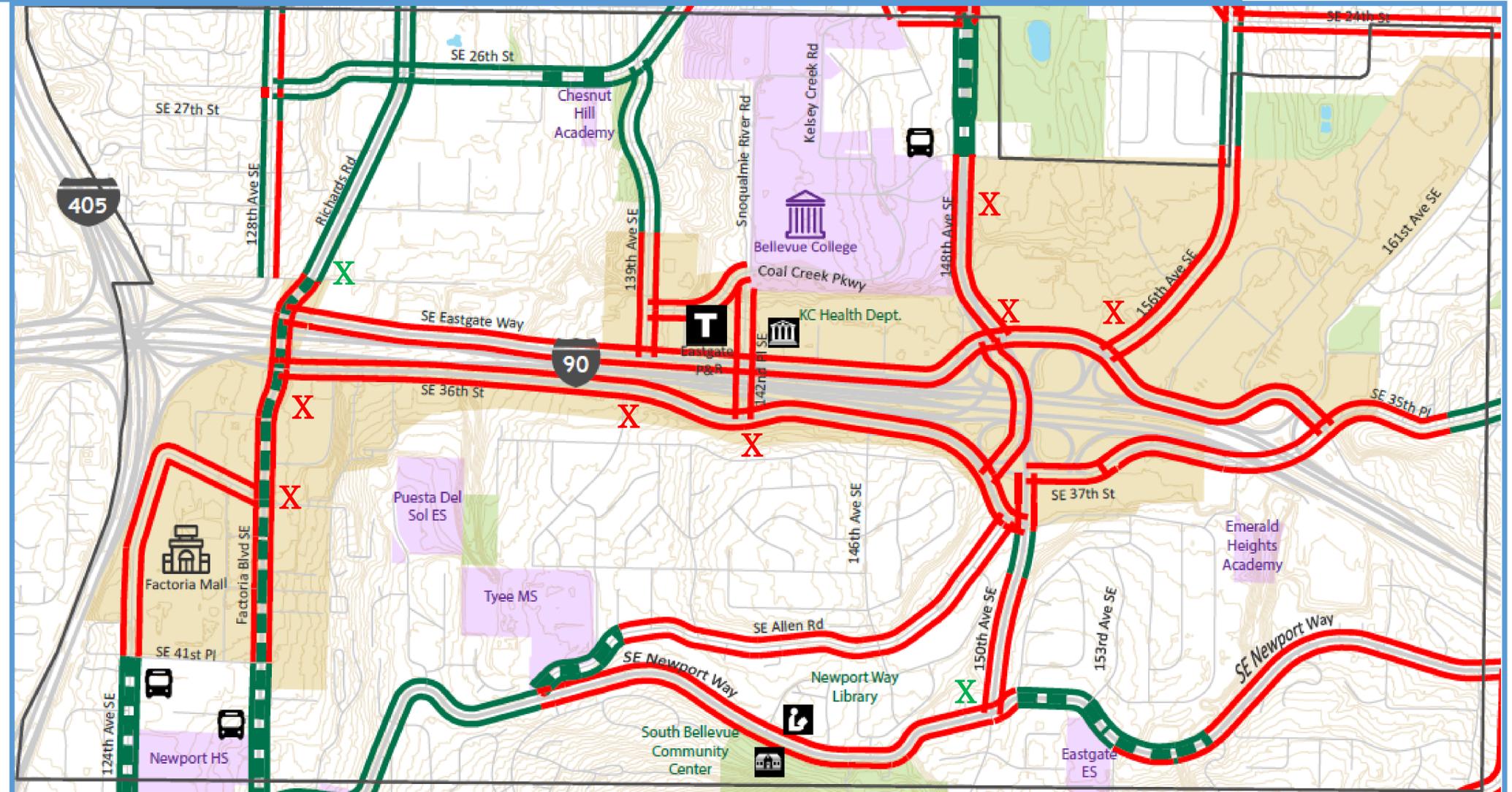
Enhanced Signalized Intersections

Meets Does not Meet

Arterial Crossing Frequency

- . 600' Eastgate Activity Center
- . 800' Factoria

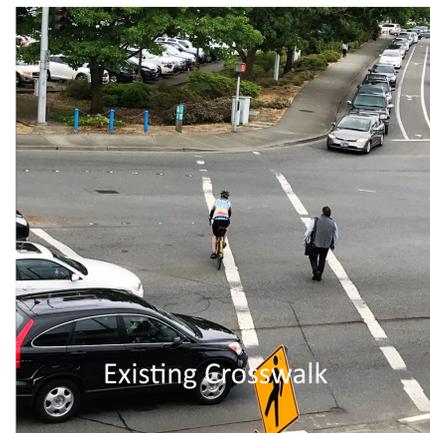
Meets Does Not Meet



Context:	Downtown	Activity Center	Neighborhood Shopping Center	Pedestrian Destination	Elsewhere
Sidewalk Width Landscape Buffer	Downtown Land Use Code	16 feet	13 feet	13 feet	Transportation Design Manual
Signalized Intersection Design	Downtown Transportation Plan	Downtown Transportation Plan "Enhanced"	Transportation Design Manual	Transportation Design Manual	Transportation Design Manual
Arterial Crossing Frequency	Downtown Transportation Plan	600- 800 feet	600 feet	300-600	N/A

Note: Pedestrian destinations include transit stops on the Frequent Transit Network, libraries, Schools, parks, trail crossings, senior and community Centers

Bus Stops on the FTN Outside of the Activity Centers



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Transit Level of Service—Transit Speed & Passenger Amenities



Transit LOS Guidelines

Transit Speed

Frequent Transit Network

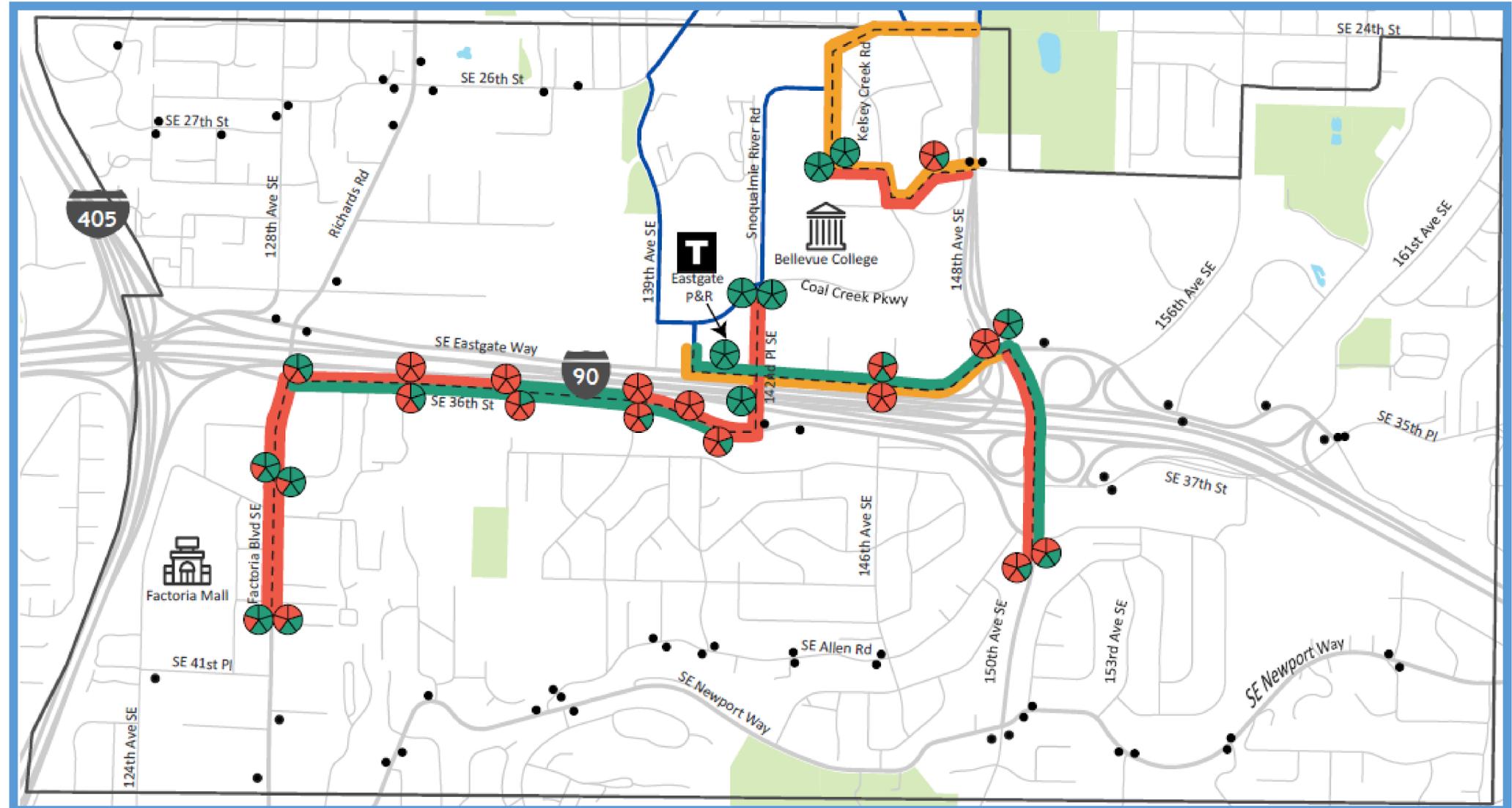
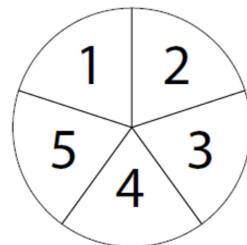
Corridors Between Activity Centers



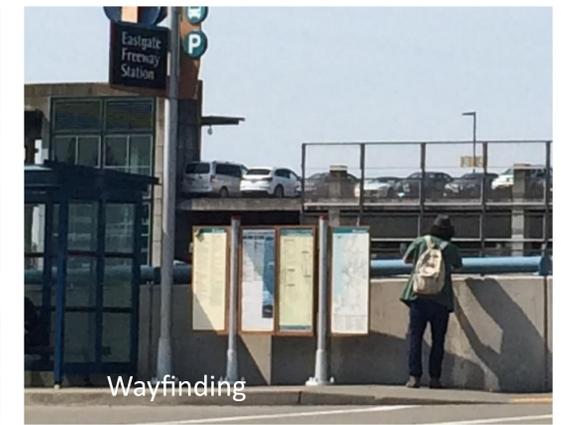
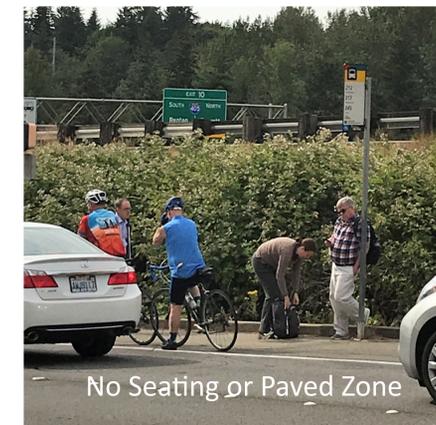
Passenger Amenities

Frequent Transit Network Stops

1. Weather Protection
2. Seating
3. Paved Zone
4. Wayfinding
5. Bike Racks



Note: Stops not on the Frequent Transit Network also have guidelines for passenger amenities. Not shown on graphic.

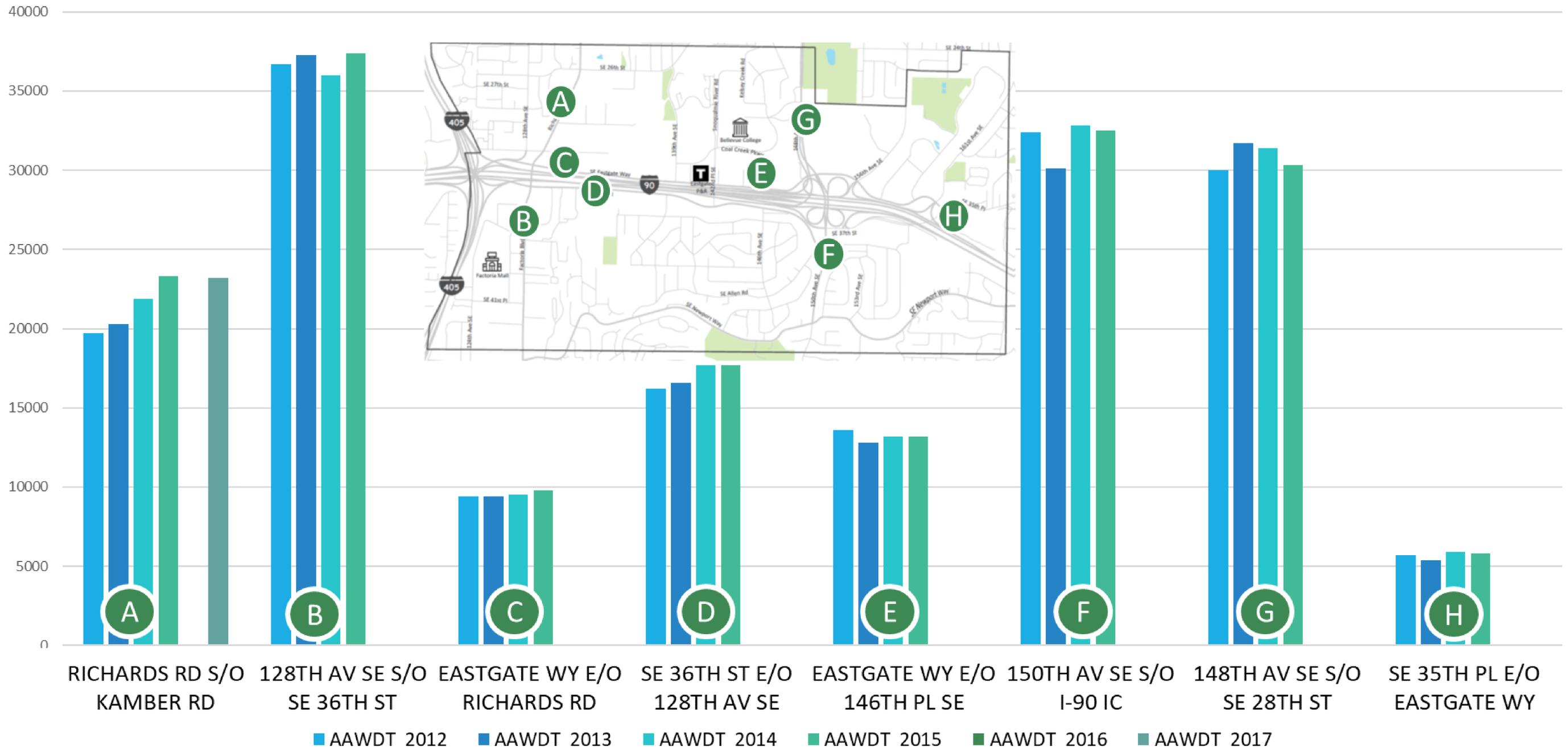


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Traffic Volume Trends



Average Annual Weekday Traffic Counts 2012-2017



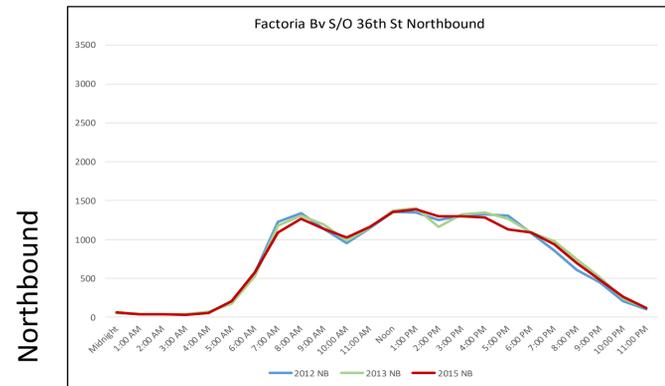
NOTE: 2016 counts not available

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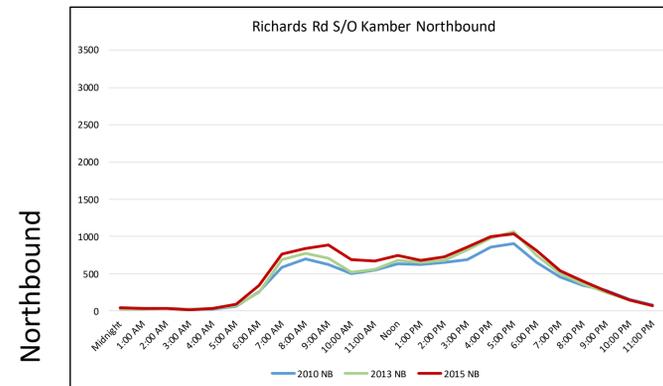
Traffic Volume Trends Hourly Traffic 2010-2015



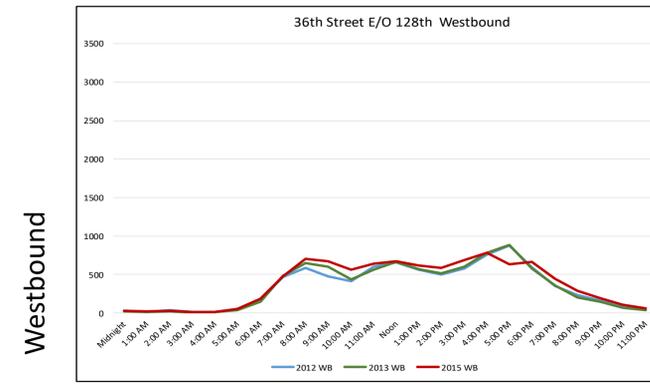
Factoria Boulevard SE



Richards Road SE



SE 36th Street



150th Avenue SE

