



Woodridge Neighborhood Traffic Committee Kick-Off Meeting

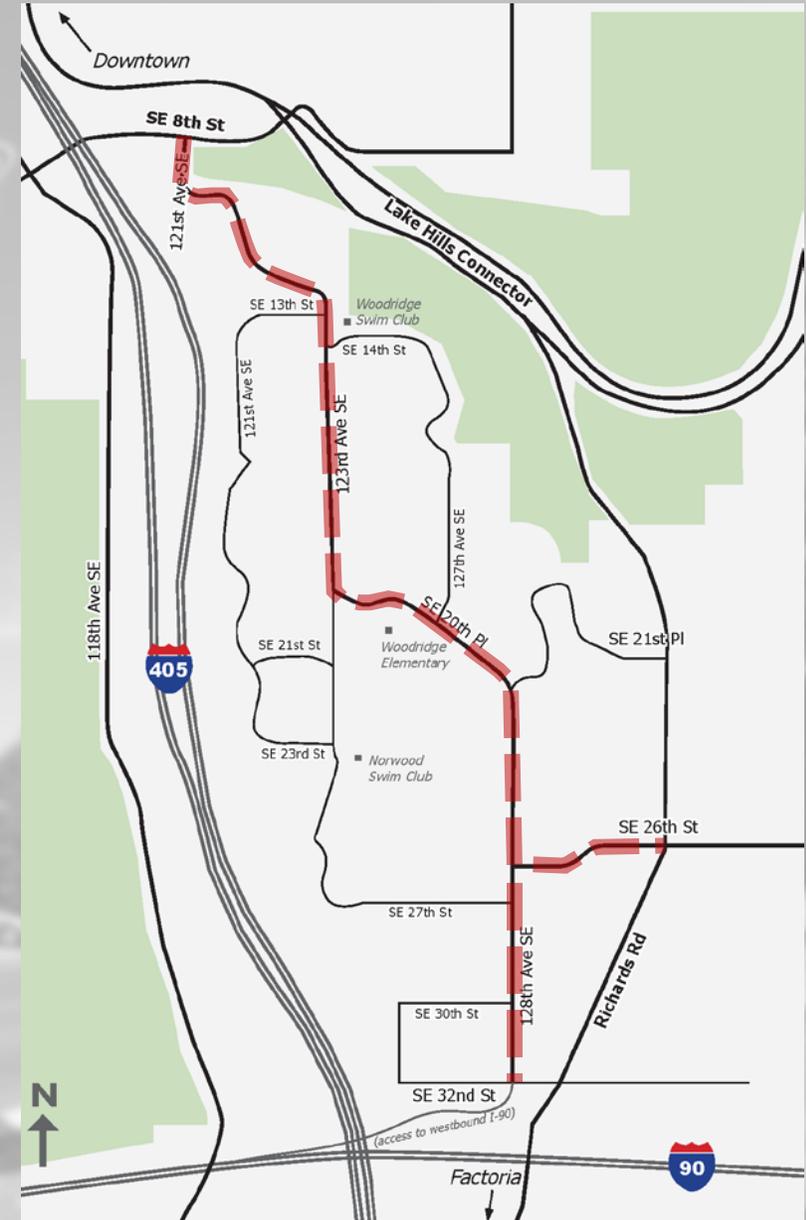
Wednesday, August 9th, 2017
6:30-8:00 p.m.
Bellevue City Hall

WELCOME!

- Introductions of committee and staff
- Presentation details
 - Background on Neighborhood Traffic Safety Services
 - Project scope
 - Traffic study results
 - Addressing commuter traffic
- Starting the plan—small group exercise

Why we are here

- Concern about increased commuter traffic using Woodridge streets
- We've heard that traffic is...
 - Impacting neighborhood livability
 - Creating safety concerns
 - Difficult to get to/from homes

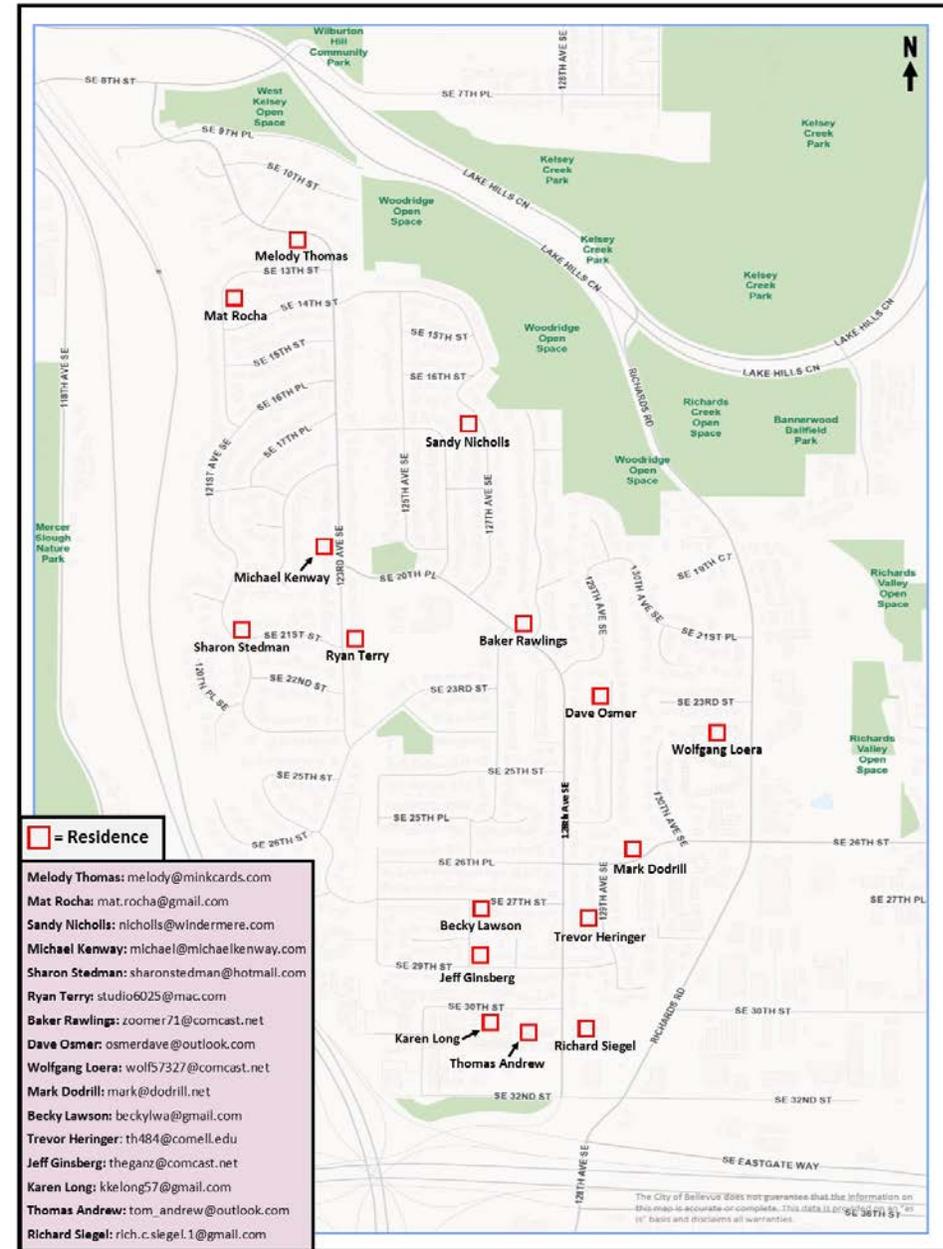


Goal for tonight

Develop initial ideas to
address traffic concerns

Traffic Committee Members

- 16 members
- Mix of residents geographically
 - Heavier emphasis on south end residents
- Some along 121st/123rd/SE 20th/128th
- Some along local streets



Traffic committee ground rules

- Please raise your hand to ask questions or make a comment during the discussion
- Everyone at the table that wants to participate will have an opportunity to provide their input and ask questions
- Respect the time for others to share their responses
- Silence cell phones and other electronic devices during the meeting
- Off-topic discussions will be “tabled” to keep the group moving through the agenda and on-time
- **New ideas and different opinions are encouraged and are a part of this process/discussion**

We've got experience and perspective

of years living in Woodridge

Where did you live prior to living in Woodridge?

You moved to Woodridge because you love (what) about the community?

Three things you have in common



Defining the problem

I think the number one issue with traffic in Woodridge is _____

That makes me feel _____ (one word)

BUT, I think I can make it better by _____
(what do you bring to the committee/why did you sign up to serve on the committee?)

Project communication expectation

Committee	Staff
Engage with staff	Email communication with Committee primary mode
Talk with your neighbors	Post meeting summaries and project materials on project webpage https://transportation.bellevuewa.gov/projects/neighborhood-projects/woodridge-traffic/
Be active participants	Utilize Nextdoor
Communicate with committee members	

Who is NTSS?

- Neighborhood Traffic Safety Services (NTSS)
 - We work on neighborhood streets
 - Discourage excessive speeds, minimize cut-through traffic, reduce overflow parking, encourage walking and biking
- Current projects:
 - Pedestrian safety in NW Bellevue
 - School zone safety in Newport Heights
 - Traffic calming in Eastgate
 - School zone beacons in Bellecrest
 - Radar signs in Lake Hills



Past investment in Woodridge

- Addressing speeding vehicles
 - Speed humps (4)
 - Centerline marking up the hill
- Pedestrian safety
 - SE 20th Pl and 123rd Ave SE intersection alignment
 - Sidewalks on 123rd Ave SE and 128th Ave SE
 - Traffic improvement project on 123rd Ave SE (2016)
 - Crosswalk by Woodridge Swim Club
- Long-term maintenance
 - Fresh pavement on 121st/123rd/128th (2015)

Crosswalks at SE 26th and 128th

- New crosswalks on SE 26th Pl
- Desire for all-way stop at this intersection

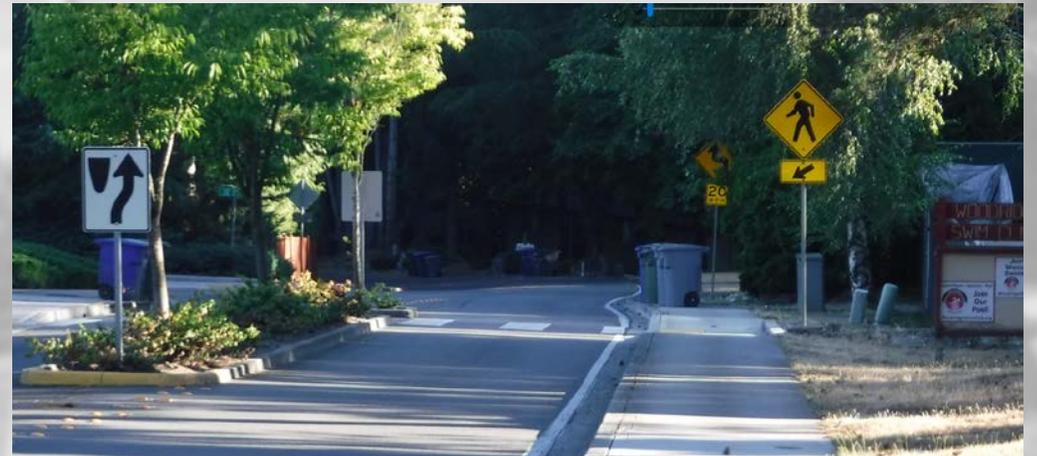


12rd Ave SE south of SE 20th Pl



Radar sign

- Upcoming radar sign to be installed along northbound 123rd Ave SE adjacent to Woodridge Swim Club and SE 13th St
- Planned installation timeframe: fall 2017



Radar sign will be installed north of the marked crosswalk

Residential area signs

- Residential area signs forthcoming at (4) locations:
 - SE 8th St/121st Ave SE
 - SE 21st Pl/Richards Rd
 - SE 26th St/Richards Rd
 - 128th Ave SE/SE 32nd St



Project scope

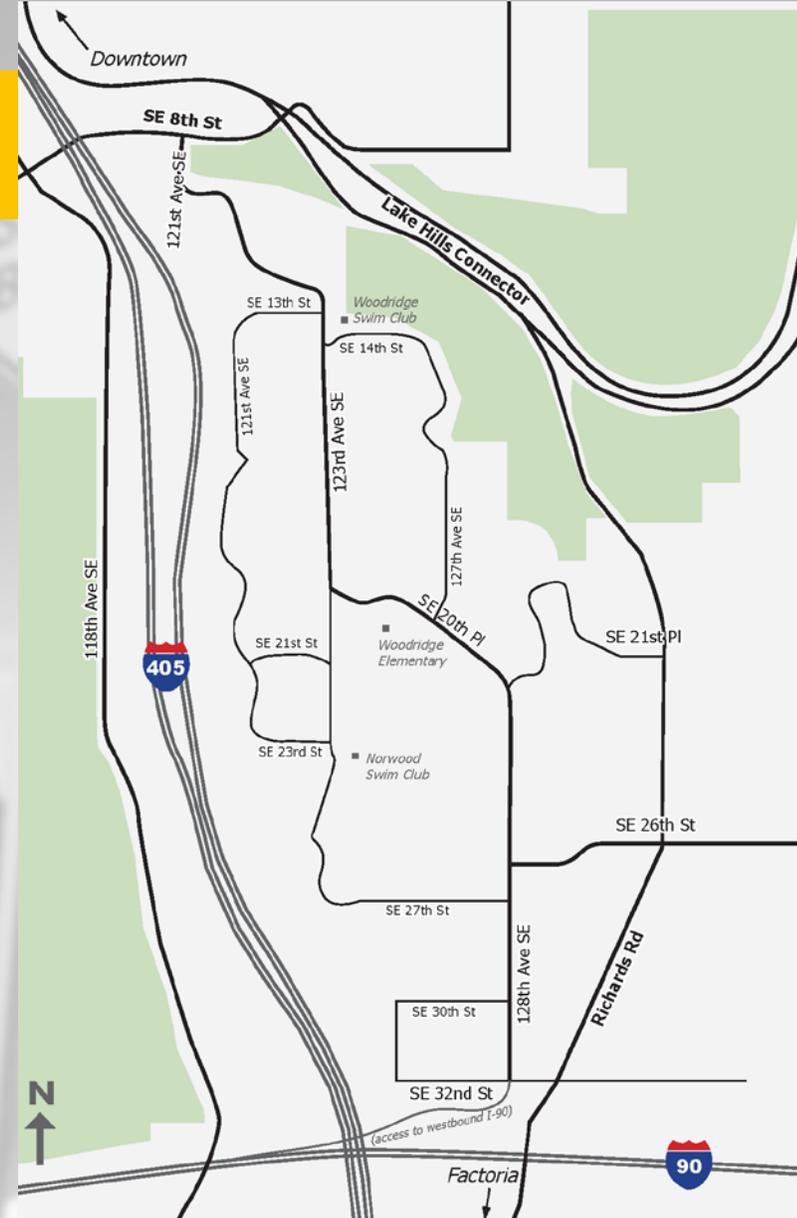
- Develop tools that will discourage commuter traffic from using neighborhood streets
- Focused on evening commuter traffic volume on primary routes through neighborhood
- Not an all the time or every day problem; confined to evening commute a few days a week

Timing

Spring 2017	Summer 2017	Fall 2017	Winter/Spring 2018
<ul style="list-style-type: none">• ✓ Pre-meeting survey• ✓ Community meeting	<ul style="list-style-type: none">• Kick-off traffic committee meeting• Staff make initial recommendation based on Committee feedback	<ul style="list-style-type: none">• Share recommendation with Committee• Finalize plan	<ul style="list-style-type: none">• Community support• Implementation

Woodridge traffic causes

- 1,500+ households in Woodridge
- Woodridge Elementary
- Proximity to Richards Rd, Factoria, freeway ramp
- Curvilinear street pattern
- 4 entrances into neighborhood
- 5 exits out



Woodridge traffic causes

- Congestion on freeways and main arterial streets
- Routing apps like Waze and Google Maps displaying fastest routes on public streets and roads

Routing App Example – City Hall to Factoria Mall

- At 12:00 PM, Google Maps routes drivers to go on I-405

The screenshot displays the Google Maps interface for a route from Bellevue City Hall to Factoria Mall. The origin is Bellevue City Hall, 450 110th Ave NE, Bellevue, WA. The destination is Factoria Mall, Factoria Square Mall SE, Factoria, WA. The interface shows three route options:

Route Description	Time	Distance
via I-405 S Fastest route, the usual traffic	11 min	4.9 miles
via Lake Hills Connector and Richards Rd	12 min	3.7 miles
via 112th Ave NE	11 min	4.0 miles

A large text overlay at the bottom of the map area reads "12:00 PM".

Routing Apps Example – City Hall to Factoria

- At 3:00 PM, due to highway congestion, the app re-routes drivers from the highway to main arterial streets

Bellevue City Hall, 450 110th Ave NE, Bellevue, WA

Factoria Square Mall SE, Bellevue, WA

Leave now

Send directions to your phone

via 112th Ave NE	12 min	4.0 miles
Fastest route now, avoids accident on I-405 S		
DETAILS		
via Richards Rd	16 min	3.7 miles
The usual traffic		
via Lake Hills Connector and Richards Rd	16 min	3.9 miles
The usual traffic		

3:00 PM

Routing Apps Example – City Hall to Factoria

- At 5:00 PM, due to highway and main arterial congestion, apps re-route drivers through Woodridge

Bellevue City Hall, 450 110th Ave NE, Bellevue, WA

Factoria Square Mall SE, Bellevue, WA

Leave now

Send directions to your phone

via 114th Ave NE	17 min	3.7 miles
Fastest route now, avoids slowdown on I-405 S		
DETAILS		
via 112th Ave NE	22 min	4.0 miles
Heavier traffic than usual		
via Richards Rd	23 min	3.7 miles
Heavier traffic than usual		

5:00 PM

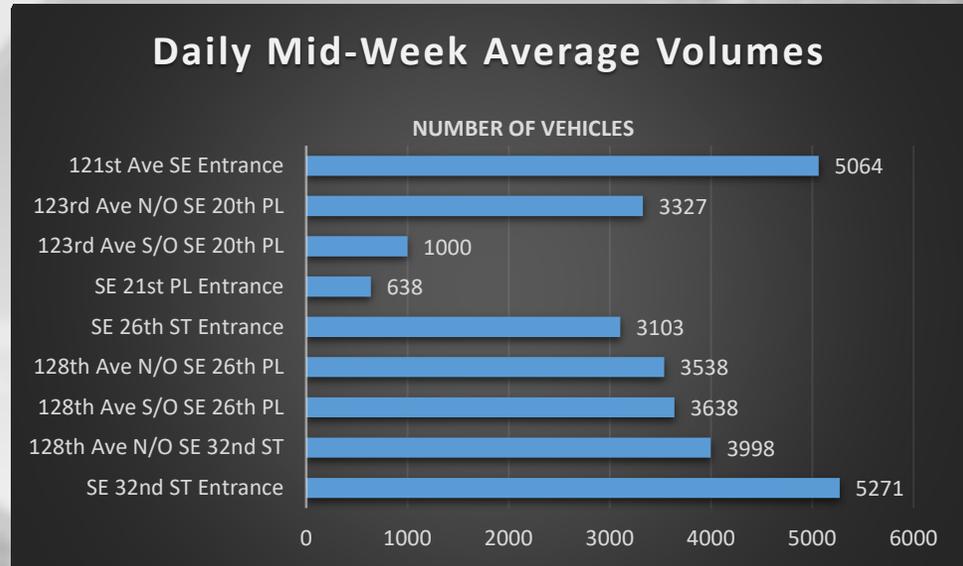
Traffic Study Results

- Total of nine volume studies
 - Spanned across two weeks
 - Measured the number of vehicles traveling over different locations
- Six turn count studies
 - 3 days, 3:00PM – 7:00PM
 - Measured how vehicles are turning at intersections
- One video camera
 - Recorded footage of 128th Ave SE/SE 32nd looking North
 - Observed southbound queues



Traffic Volumes

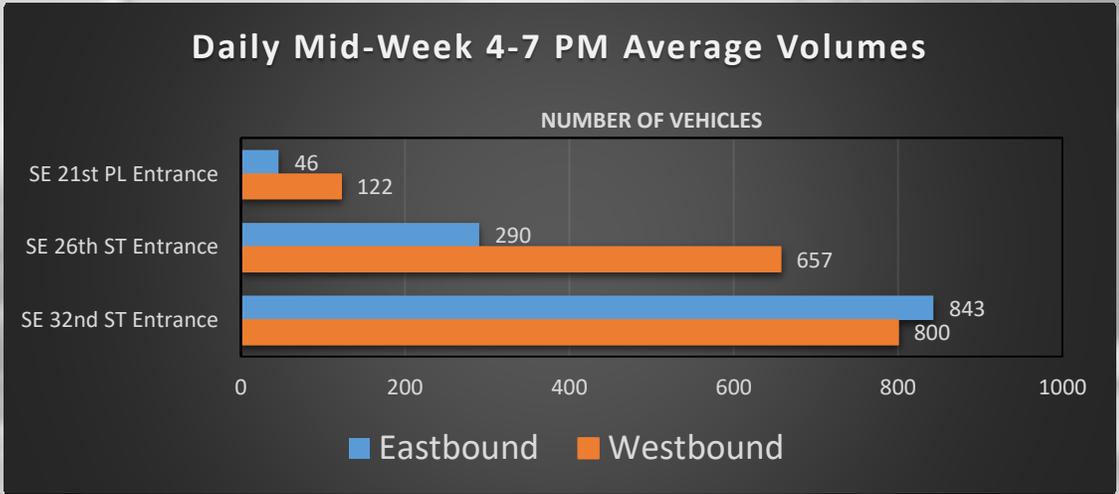
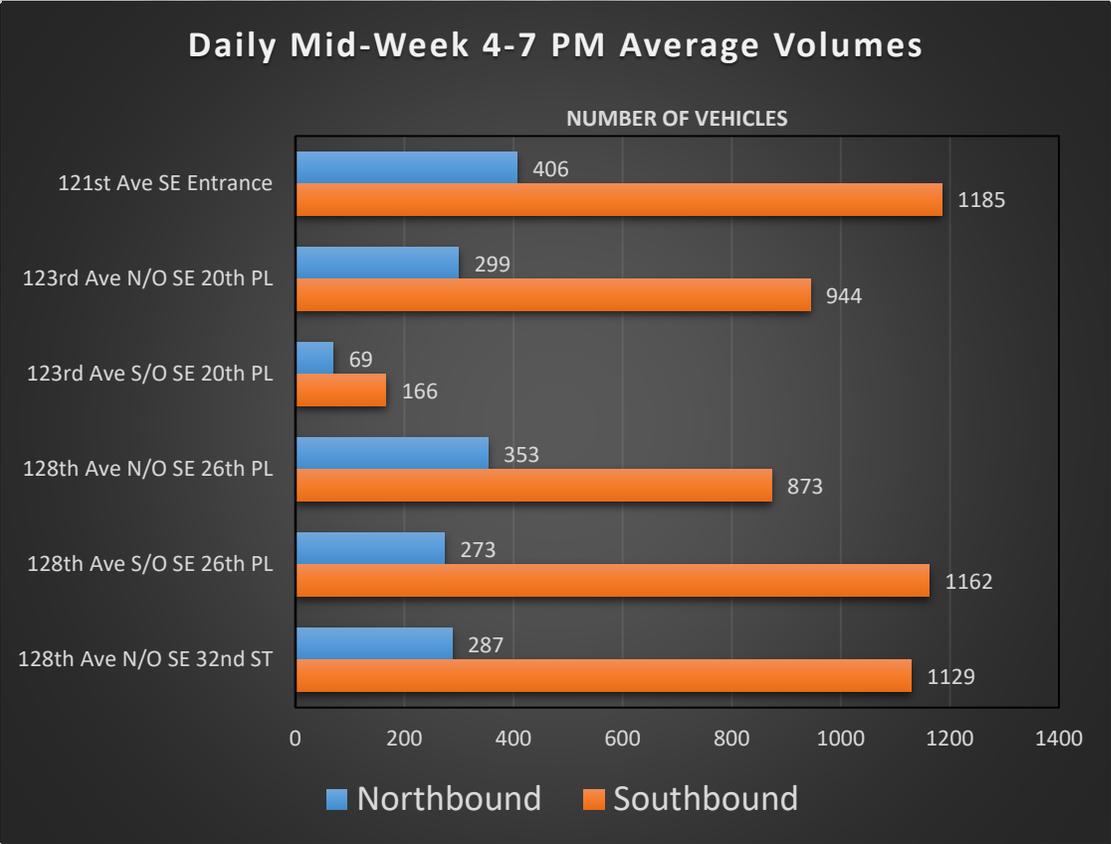
- Volume data collected from May 7th to May 20th
- Daily volume at a location is analyzed by averaging its daily Mid-weekdays' volumes
 - Tuesdays, Wednesdays, and Thursdays tend to best represent the most normal traffic volumes
- Volume can be analyzed by direction
- Volume can be analyzed by time of day



Daily volumes from May 9th, May 10th, May 11th, May 16th, May 17th, and May 18th were averaged to produce the volumes above

Traffic Volume Analysis

- Volumes are greatest in the evening traveling in Southbound direction



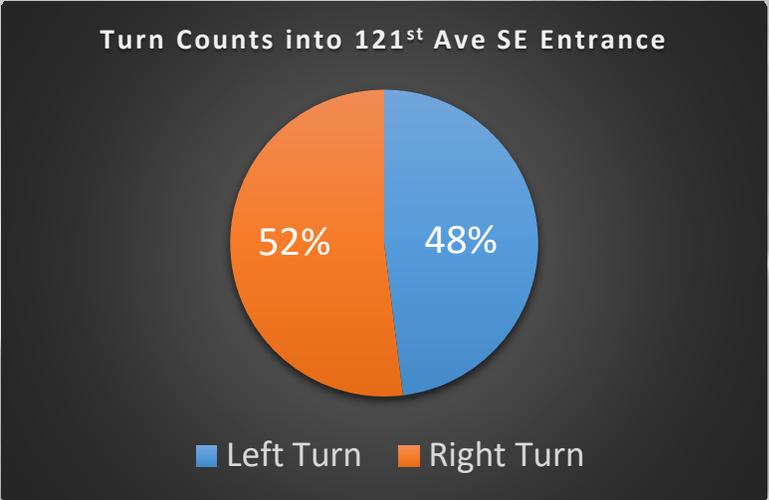
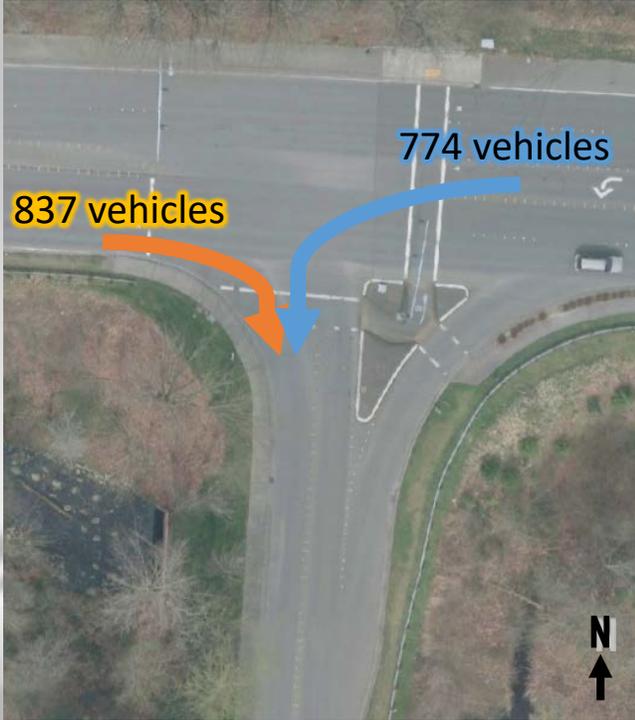
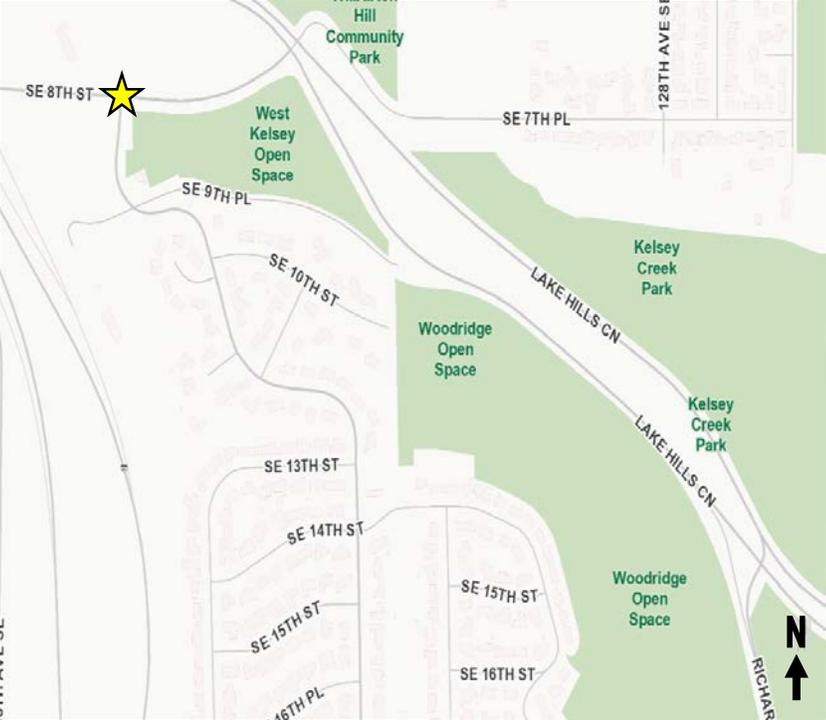
Traffic Volume Analysis

- Evening traffic traveling southbound make up great percentages of a location's full day volume count
- The daily mid-week 4-7PM average southbound volumes make up between 40% to 50% of the entire day's worth of volume
 - For example, 49% of the average mid-week day's southbound volume at 128th Ave SE south of SE 26th PL occurs from 4-7PM
 - The one exception is 123rd Ave south of SE 20th PL (represents only 29%)

Turn Count Movement Studies

- Assist in understanding where vehicles are turning at intersections
- Turning measurements collected from 3:00PM – 7:00PM on;
 - Monday, May 15th
 - Wednesday, May 17th
 - Thursday, May 18th

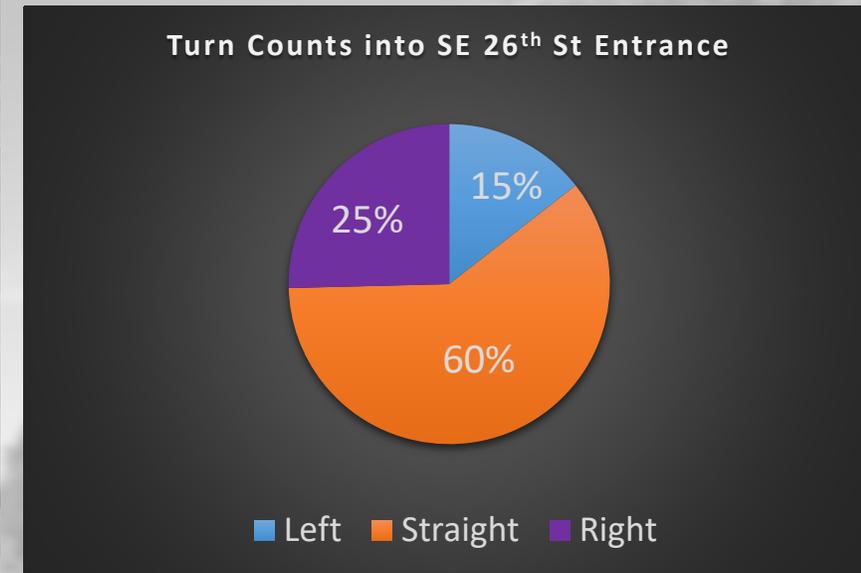
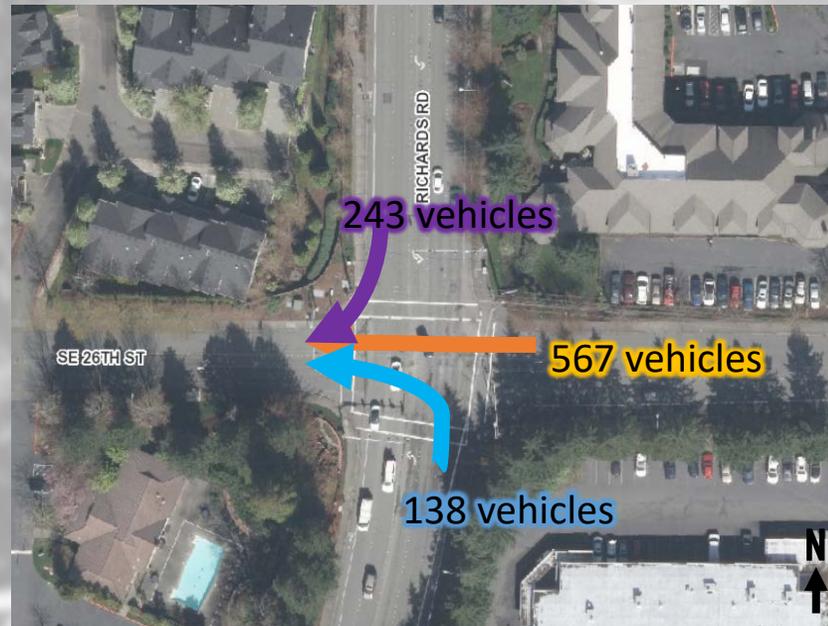
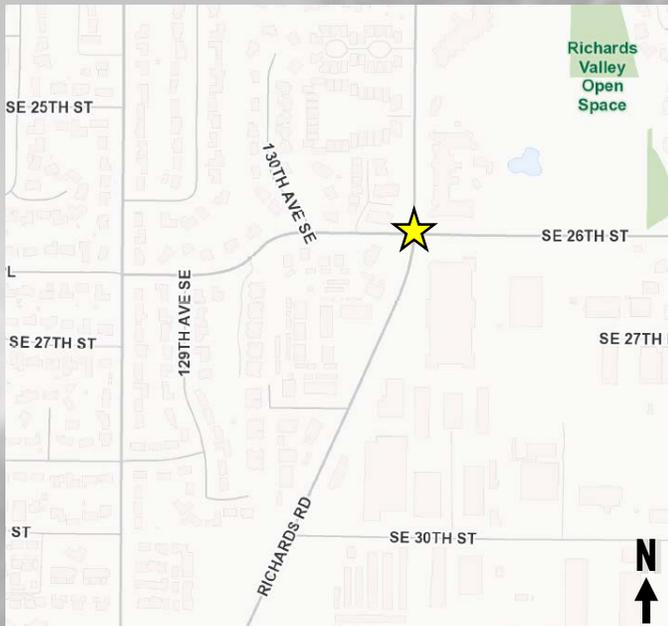
121st Ave SE Entrance Average Turn Counts



- On an average week day from 3-7PM, 744 drivers turn left and 837 drivers turn right into the 121st Ave SE Woodridge entrance



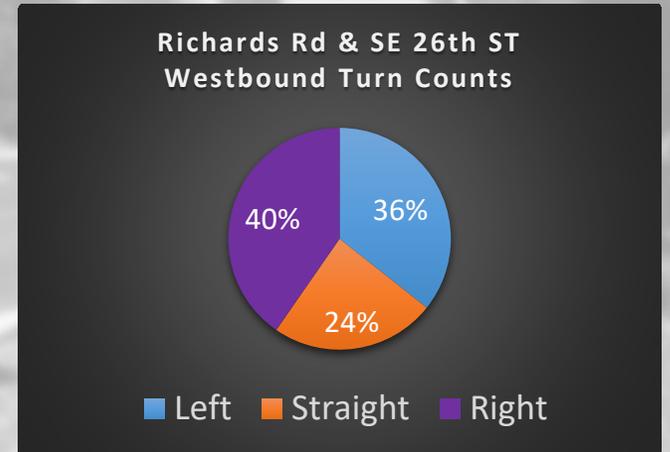
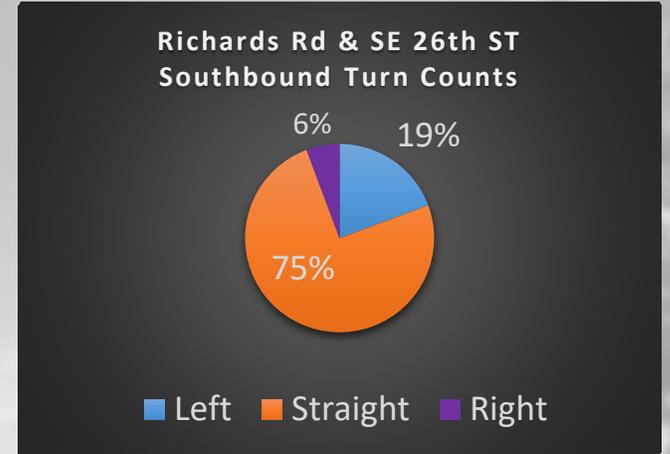
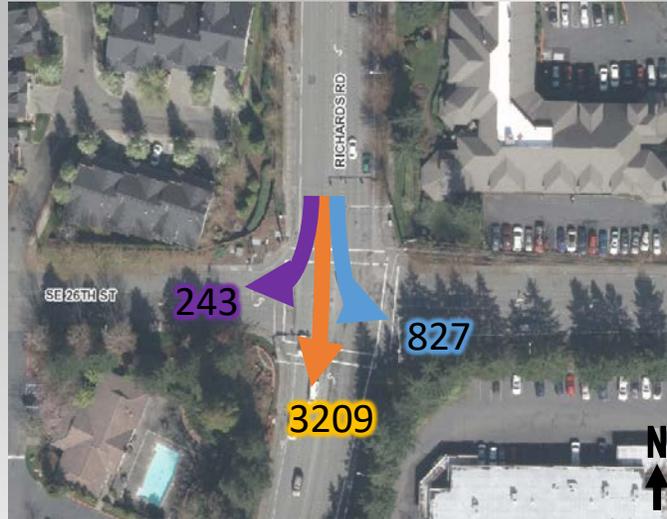
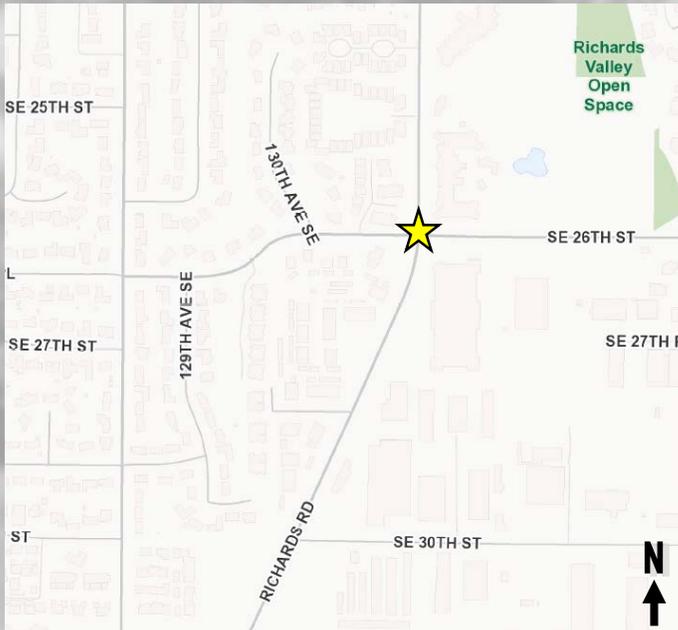
SE 26th St Entrance Average Turn Counts



- Majority of drivers enter the SE 26th St entrance by staying straight through Richards Rd

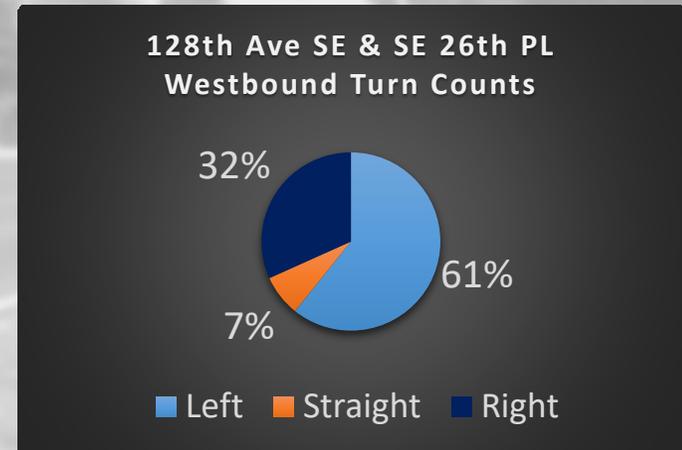
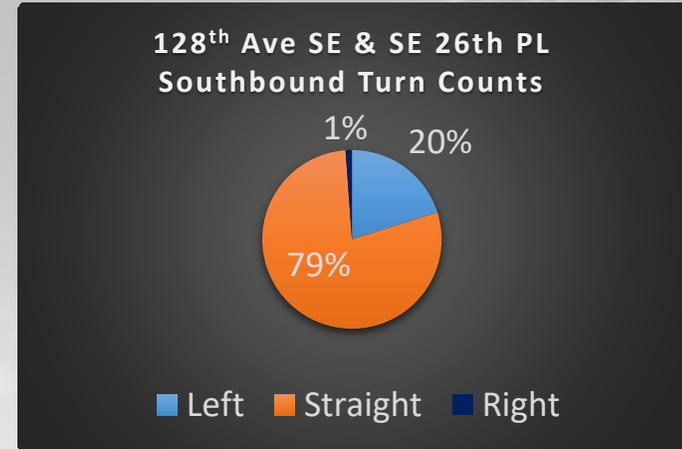
Additional Turn Counts – Richards Rd & SE 26th ST

- Majority of drivers stay/go on Richards Rd

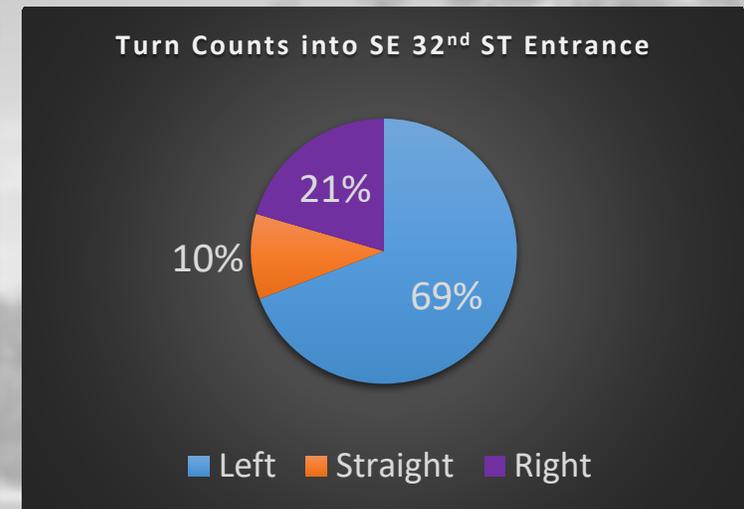
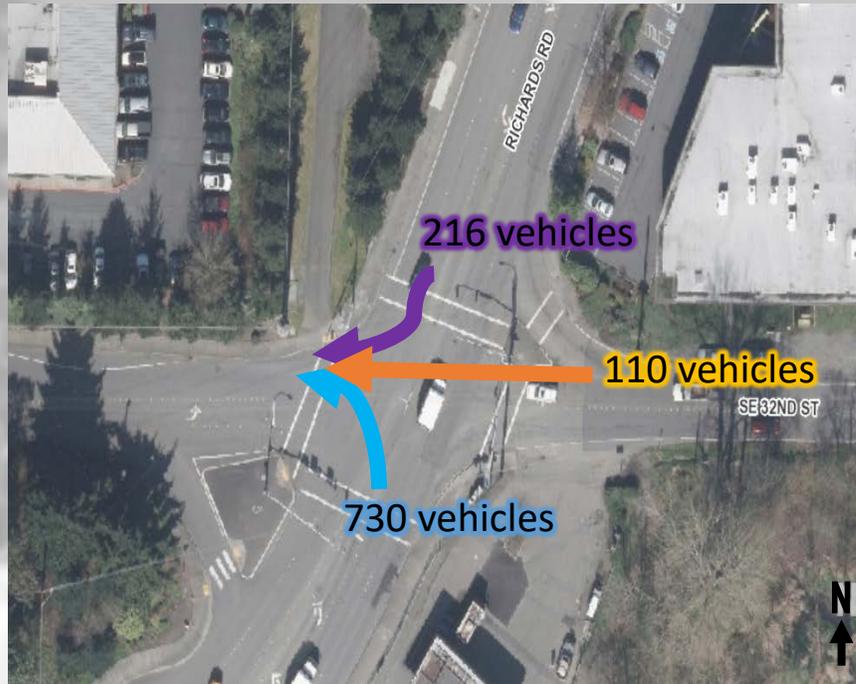
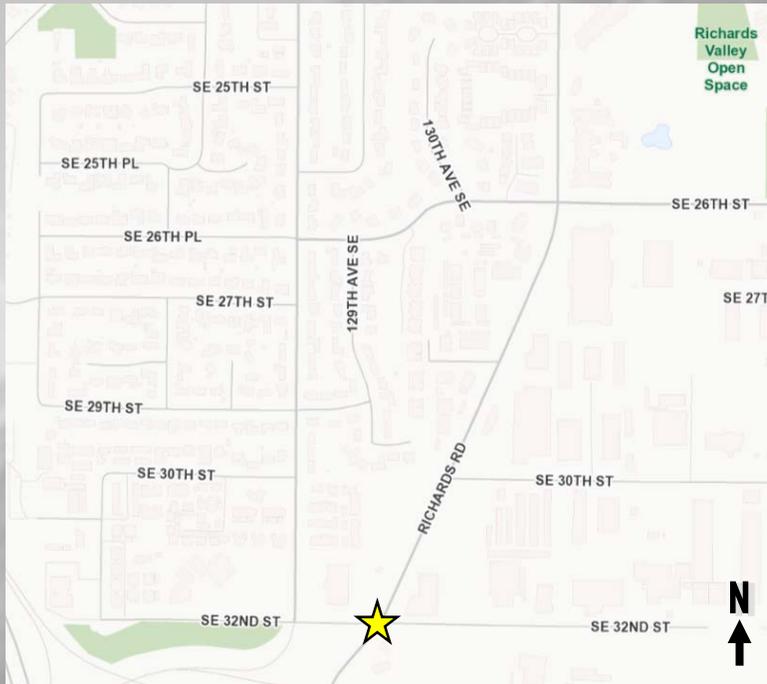


128th Ave SE & SE 26th PL Intersection Average Turn Counts

- Majority of drivers from both directions go Southbound on 128th Ave SE

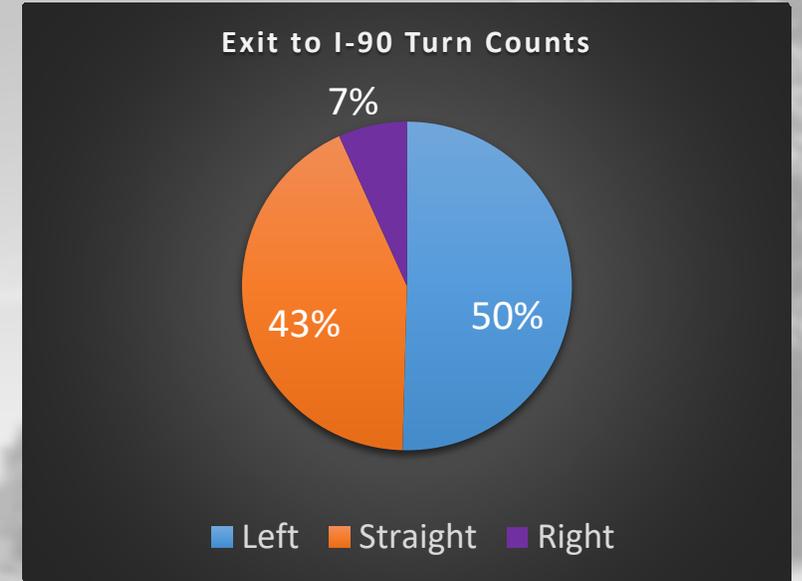
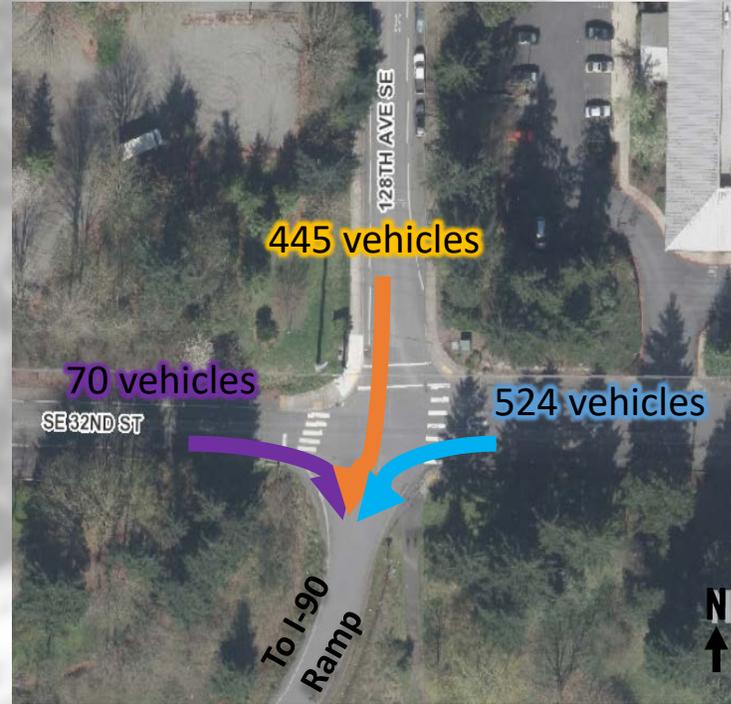
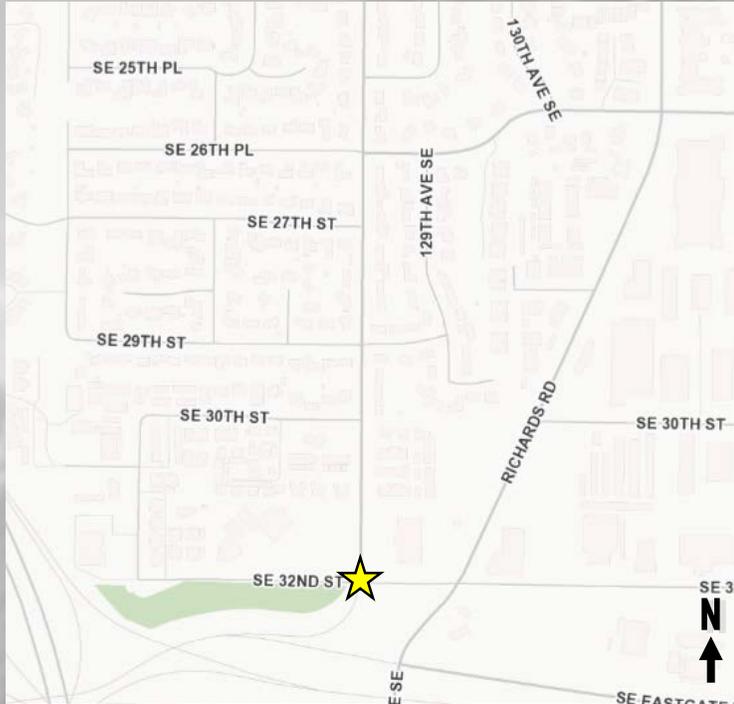


SE 32nd St Entrance Average Turn Counts



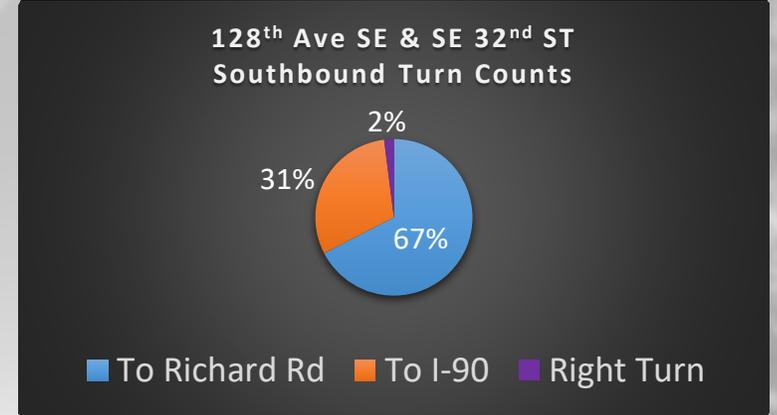
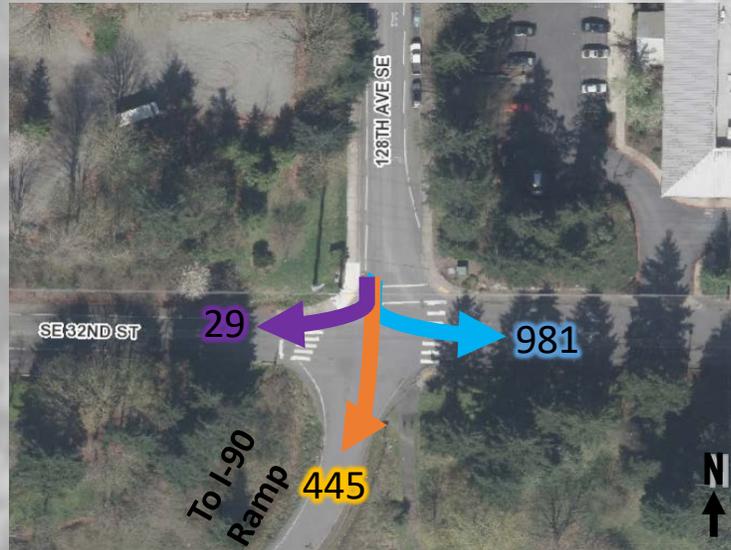
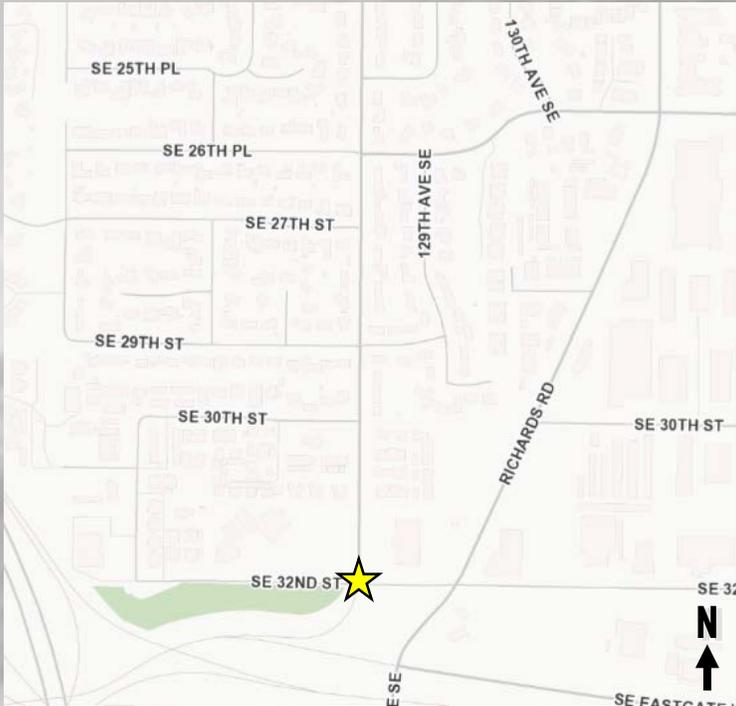
- Majority of drivers enter the SE 32nd St Woodridge entrance by turning left from Richards Rd

Exit to I-90 Average Turn Counts

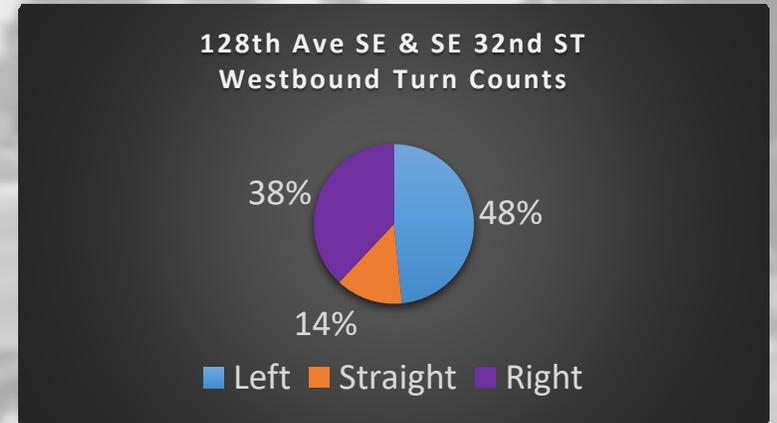


- Majority of drivers exit to I-90 by turning left from Westbound SE 32nd St

Additional Turn Counts - 128th Ave SE & SE 32nd St



Majority of vehicles driving Southbound on 128th Ave SE turn left to get to Richards Rd



Majority of vehicles driving Westbound on SE 32nd turn left to get to I-90

