

# Pedestrian Conflicts Due to Red-Light Violations 61<sup>st</sup> Av and Bothell Wy



## Conflict Definition:

A pedestrian is crossing during the walk phase and must alter their path to avoid a left-turning vehicle.

- Pedestrians are crossing with “Walk” sign lit
- Left-turn drivers have red-arrow.

61st Av and SR 522	Total	<del>Illegal Crossings</del>	Legal Crossings	Conflicts during Legal Crossings	Percent Conflicts
7:00 AM - 7:30 AM	17	2	15	7	45%
7:30 AM - 8:00 AM	26	6	20	5	23%
8:00 AM - 8:30 AM	21	5	16	8	47%
8:30 AM - 9:00 AM	10	2	8	5	56%
12:00 PM - 12:30 PM	2	0	1	1	50%
12:30 PM - 1:00 PM	3	0	2	1	43%
1:00 PM - 1:30 PM	2	0	2	0	20%
1:30 PM - 2:00 PM	3	0	2	0	14%
4:00 PM - 4:30 PM	5	0	5	4	75%
4:30 PM - 5:00 PM	7	0	7	7	100%
5:00 PM - 5:30 PM	7	1	6	5	82%
5:30 PM - 6:00 PM	6	1	5	3	60%
6:00 PM - 6:30 PM	8	1	7	6	77%
6:30 PM - 7:30 PM	5	0	5	1	27%

**Daily Averages from Three-Day Study**

**AM Pedestrians:**  
42%

**Midday Pedestrians:**  
29%

**PM Pedestrians:**  
83%



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Kenmore Police were deployed to enforce intersection in response to study results

With police present, red light violations stopped completely – enforcement was 100% effective

Constant enforcement presence at this location is not practical with only in-person enforcement

Current risk-mitigation measures:

- “The Pandemic” (but congestion is returning)
- Increase the length all-red phase (increases delay for everyone)

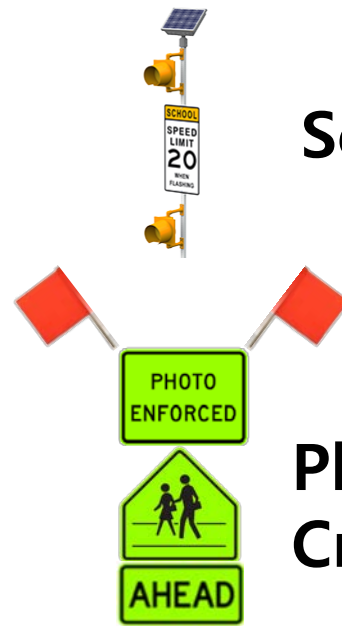


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## School Zone Flasher Assembly



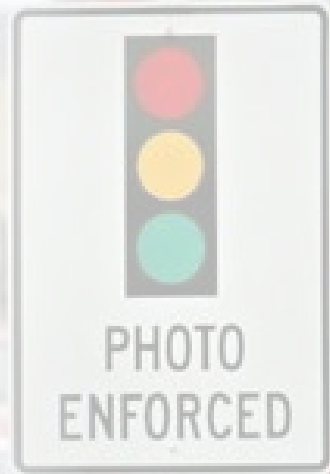
## Photo Enforcement School Crossing Assembly



## Photo Enforcement Camera



## Speed Feedback Sign







## School Zone Speed Violations on 73<sup>rd</sup> Av in the Kenmore Elementary School Zone

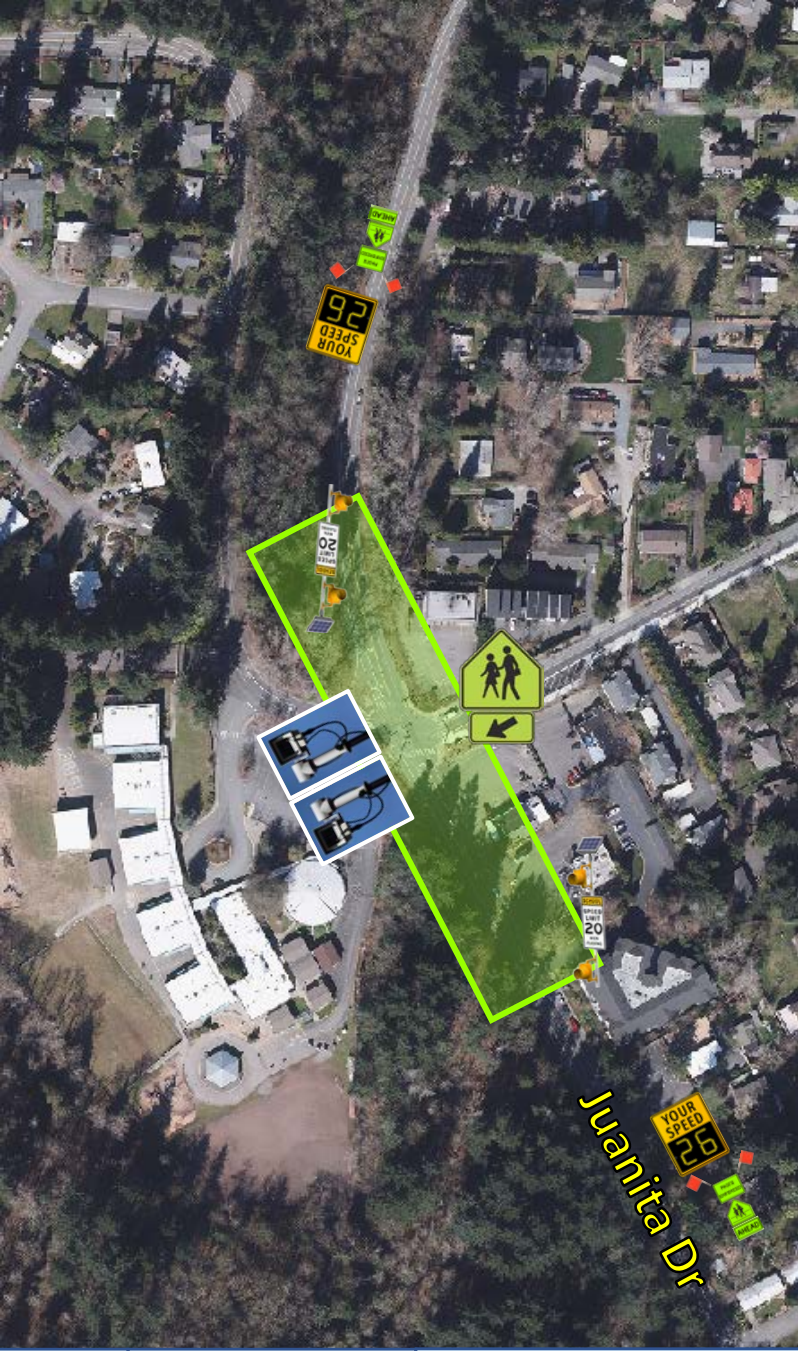
School Zone Speed Limit is 20 mph, but when the school zone is active the average speed of vehicles is 30 mph

Photo enforcement at this locations is expected to reduce the average speed by 11% when the school zone is active

This reduction in travel speed will reduce the risk of fatal crashes by more than 35% when the school zone is active







# School Zone Speed Violations on Juanita Dr in the Arrowhead Elementary School Zone

School Zone Speed Limit is 20 mph, but when the school zone is active the average speed of vehicles is 37 mph

Photo enforcement at this locations is expected to reduce the average speed by 20% when the school zone is active

This reduction in travel speed will reduce the risk of fatal crashes by more than 55% when the school zone is active

