

Mukilteo, Washington

ViMS Intersection Analysis Report

*Evaluating the numbers of red light
running occurrences at
City selected intersections.*



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ATS - Automated Intersection Safety Program Methodology

The Axis™ VIMS (Violation Incident Monitoring System) is a single day red light violation analysis of city selected intersection/approaches to determine the number of red light runners at those sites during high traffic periods. Each analysis covers a 16 hour average business day period, as required by the DOT. The number of violations would be estimated at 80% of a full 24 hour a day violations.

This report includes a violation summary of all approaches tested, and attached is a PDF for each approach providing: the individual data; comparison charts; the numbers of violators per lane (left, right or straight through); and time of day the violation occurred.

ATS recommends these projected numbers not be used for financial projections, as experience has demonstrated that the violation numbers will drop once the program has been operational for a period of time.

As illegal right hand turns are an issue in Mukilteo, we have broken this category into two sections: Fast Right – over 10 to 12 mph, most dangerous; and Slow Rights – under 10 mph. The numbers of right hand turn violation are surprisingly high.

Following is a summary of our Vims findings. The intersection approaches noted in yellow highlight have violation numbers at a level that suggests a need of a camera safety program,; the one in blue deserve consideration.. Analysis of 1,000's of viewed intersection has demonstrated that an average intersection approach would have 5 or less violations a day and any sites with adjusted 10 violations a day or more – over 250 per month - would be highly considered for camera safety intervention.

| Dir | Street | Cross Street | Total Violations | Lefts | Straight | Fast Rights | Slow Rights | VIMS time | avg amber |
|-----|-------------------------------|---------------------------------|------------------|-------|----------|-------------|-------------|-----------|-----------|
| SB | SR 525 / Mukilteo Speedway | 5th St | 3 | 1 | 2 | 0 | 0 | 16 | 4 |
| NB | SR 525 / Mukilteo Speedway | 5th St | 0 | 0 | 0 | 0 | 0 | 16 | 4 |
| NB | SR 525 / Mukilteo Speedway | 84th St SW / SR 526 | 23 | 0 | 1 | 22 | 180 | 16 | 3.9 |
| SB | SR 525 / Mukilteo Speedway | 84th St SW / SR 526 | 0 | 0 | 0 | 0 | 0 | 16 | 3.9 |
| WB | 84th St SW / SR 526 | SR 525 / Mukilteo Speedway | 32 | 0 | 0 | 32 | 1152 | 16 | 3.9 |
| SB | SR 525 / Mukilteo Speedway | Beverly Park Rd | 6 | 4 | 1 | 1 | 280 | 16 | 4.5 |
| EB | Beverly Park Rd | SR 525 / Mukilteo Speedway | 6 | 3 | 0 | 3 | 14 | 16 | 3.9 |
| NB | SR 525 / Mukilteo Speedway | Beverly Park Rd | 6 | 0 | 1 | 5 | 520 | 16 | 4.5 |
| WB | Beverly Park Rd | SR 525 / Mukilteo Speedway | 28 | 1 | 1 | 26 | 390 | 16 | 3.9 |
| EB | Kamiak Rd / Harbour Pointe Bl | SR 525 / Mukilteo Speedway | 1 | 0 | 0 | 1 | 152 | 16 | 3.9 |
| NB | SR 525 / Mukilteo Speedway | Kamiak Rd / Harbour Pointe Bl | 8 | 0 | 8 | 0 | 0 | 16 | 4.2 |
| SB | SR 525 / Mukilteo Speedway | Kamiak Rd / Harbour Pointe Bl | 56 | 0 | 0 | 56 | 566 | 16 | 4.2 |
| NB | SR 525 / Mukilteo Speedway | Old Mill Rd / Harbour Pointe Bl | 0 | 0 | 0 | 0 | 0 | 16 | 3.9 |
| SB | SR 525 / Mukilteo Speedway | Old Mill Rd / Harbour Pointe Bl | 6 | 0 | 2 | 4 | 89 | 16 | 4.3 |
| SWB | Paine Field Blvd | SR 525 / Mukilteo Speedway | 4 | 4 | 0 | 0 | 0 | 16 | 3.9 |
| SB | SR 525 / Mukilteo Speedway | Paine Field Blvd | 0 | 0 | 0 | 0 | 0 | 14.6 | 3.9 |

* Fast rights - Over 10-12 mph

Full Vims reports are attached in a second PDF file.