



CITY OF KIRKLAND

Police Department

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MEMORANDUM

To: Kurt Triplett, City Manager

From: Cherie Harris, Chief of Police
Todd Aksdal, Deputy Chief of Police
Veronica Hill, Senior Financial Analyst

Date: February 23, 2023

Subject: Automated Safety Camera Report

Recommendation:

City Council receives an update on the Automated Safety Camera Program.

Background:

The last Automated Safety Camera program update covered September 6, 2022 – September 30, 2022.

The following is a report on the Automated Safety Camera program from January 1, 2022 – December 31, 2022.

January 1, 2022 – December 31, 2022:

During this timeframe, Rose Hill Elementary, John Muir Elementary and Kamiakin Middle School all remained open for in person learning for five days per week.

Between January 1, 2022 – December 31, 2022, 12,184 citations were issued, using the four cameras in both school zones. There were 177 school days during this time frame, which means that approximately 68.84 citations were issued per day.

As the charts below depict, southbound 132nd Ave NE was consistently the busiest camera of the four in 2022:

Location	Number of Citations Issued Q1
NB 132 nd Ave NE	841
SB 132 nd Ave NE	1,785
EB NE 80 th St	491
WB NE 80 th St	421

Location	Number of Citations Issued Q2
NB 132 nd Ave NE	845
SB 132 nd Ave NE	1,755
EB NE 80 th St	419
WB NE 80 th St	346
Location	Number of Citations Issued Q3
NB 132 nd Ave NE	426
SB 132 nd Ave NE	914
EB NE 80 th St	237
WB NE 80 th St	203
Location	Number of Citations Issued Q4
NB 132 nd Ave NE	897
SB 132 nd Ave NE	1,711
EB NE 80 th St	539
WB NE 80 th St	353
Location	Number of Citations Issued 2022 Total
NB 132 nd Ave NE	3,009
SB 132 nd Ave NE	6,166
EB NE 80 th St	1,686
WB NE 80 th St	1,323

Citation Data:

The following bullet points are provided to further describe the type of citations that were issued between January 1, 2022 – December 31, 2022:

- 8,773 citations (72%) were issued to drivers traveling between 26-30 mph and were issued \$136 fines
- 3,410 citations (28%) were issued to drivers traveling 31 mph and faster and were issued \$250 fines
 - **50 mph** is the fastest speed that was recorded during 2022.
- The average citations issued by each of the four cameras, per school day in 2022 was 17.21. The average citations issued by each of the four cameras, per school day in 2021 was 25.83.
 - October 2019: 35.57 average citations per camera per day
 - November 2019: 29.93
 - December 2019: 24.85
 - January 2020: 18.63
 - February 2020: 22.90
 - March 2020: 23.47
 - February 2021: 35.58
 - March 2021: 29.44
 - April 2021: 27.46
 - May 2021: 30.28
 - June 2021: 27.21

- September 2021: 26.95
 - October 2021: 23.15
 - November 2021: 19.63
 - December 2021: 19.19
 - January 2022: 16.43
 - February 2022: 13.93
 - March 2022: 14.51
 - April 2022: 17.94
 - May 2022: 16.79
 - June 2022: 18.21
 - September 2022: 23.42
 - October 2022: 19.20
 - November 2022: 16.79
 - December 2022: 14.33
- Those vehicles registered to a 98033 or 98034 zip code accounted for 25.34% of the issued citations in 2022. In 2021, vehicles registered to 98033 or 98034 accounted for 28.3% of issued citations.
 - The city outside of Kirkland with the most citations issued was Redmond which accounted for 10.93% of the total issued citations in 2022.
 - Recidivism Rate for 2022:
 - 90.9% one citation
 - 7% two citations
 - 2.1% have received three or more citations
 - In 2022, afternoon school zone enforcement accounted for 63.2% of the citations issued, with the morning hours accounting for 36.8% of the citations issued.

2022 School Zone Collision Data:

Location	Collisions in School Zone
12600 – 13100 Blk NE 80 th ST	1*
13900 – 14200 Blk 132 nd Ave Ne	0

*Collision did not occur during school zone hours.

Mitigations and Hearings:

As of January 10th, 2022, 1,120 people receiving citations in 2022 have requested mitigation hearings (9.2% of total) and 395 people have requested contested hearings (3.3% of total). In addition to the hearing requests, 581 people receiving citations have submitted affidavits stating that they were not the driver of the vehicle (4.8% of total citations). 322 citations were dismissed when affidavits were submitted stating that the registered owner was not the driver (2.7% of all citations). Liability was transferred in the remaining 259 instances where the registered owner asserted that they were not the driver (2.1% of all citations).

The court's website offers customers the ability to electronically submit a written hearing statement and any attachments for consideration by the Judge or they can file by mail or drop-box.

Expenditures through the end Q4 2022:

Cash Flow Analysis:

Revenues	2019	2020	2021	Oct-22	Nov-22	Dec-22	2022	LTD TOTAL
Citations	\$ 400,883	\$ 732,749	\$ 1,577,980	\$ 173,100	\$ 172,465	\$ 144,266	\$ 1,645,897	\$ 4,357,509
Expenditures	2019	2020	2021	Oct-22	Nov-22	Dec-22	2022	LTD TOTAL
Construction	\$ 27,319	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,319
ATS Contract	\$ 26,871	\$ 17,579	\$ 176,679	\$ 17,000	\$ 17,000	\$ 17,000	\$ 204,000	\$ 425,128
Utilities/Other	\$ 560	\$ 420	\$ 1,468	\$ 100	\$ 100	\$ 100	\$ 1,200	\$ 3,648
Police Staffing	\$ 50,284	\$ 166,864	\$ 167,452	\$ 30,133	\$ 30,191	\$ 29,100	\$ 366,769	\$ 751,368
Court Staffing	\$ 19,308	\$ 48,280	\$ 70,320	\$ 15,991	\$ 20,414	\$ 21,898	\$ 133,121	\$ 271,029
<i>Total</i>	<i>\$ 124,342</i>	<i>\$ 233,143</i>	<i>\$ 415,919</i>	<i>\$ 63,223</i>	<i>\$ 67,704</i>	<i>\$ 68,098</i>	<i>\$ 705,090</i>	<i>\$ 1,478,493</i>
Council Re-Approp./Other	2019	2020	2021	Oct-22	Nov-22	Dec-22	2022	LTD TOTAL
Re-Appropriation	\$ -	\$ 123,157	\$ 335,000	\$ -	\$ -	\$ -	\$ -	\$ 458,157
Other Resources/Cost Offset	\$ (27,879)	\$ (417)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (28,296)
<i>Total</i>	<i>\$ (27,879)</i>	<i>\$ 122,740</i>	<i>\$ 335,000</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 429,861</i>
Balance	2019	2020	2021	Oct-22	Nov-22	Dec-22	2022	LTD TOTAL
YTD/MTD	\$ 304,420	\$ 376,866	\$ 827,061	\$ 109,877	\$ 104,760	\$ 76,168	\$ 940,807	\$ 2,449,154
Ending Balance	\$ 304,420	\$ 681,286	\$ 1,508,347	\$ 2,268,226	\$ 2,372,986	\$ 2,449,154		

The ending cash balance as of 12/31/2022 is \$2,449,154.

Expenditures*:

**Costs continue to be updated with actual expenses as they are incurred, which is why expenditures from prior months may differ from memo to memo.*

Construction costs:

- Construction cost covered by REET funds.
- No additional construction costs were incurred.

Ongoing costs:

- ATS Contract - Costs for monitoring of the cameras.
- Utilities/Other - Costs for electricity to operate the cameras.

Police staffing costs:

- Sustainment staffing costs for 2 FTE Traffic Officers.

Court staffing costs:

- Sustainment staffing costs for .75 FTE JSA II.
- Professional services charges for court commissioner.

Revenues:

The Program has generated \$4,357,509 in total revenues through 12/31/2022. All revenues will either pay the operating costs for the cameras, court, and police, or be invested in school pedestrian and bicycle safety projects as required by the ordinance authorizing the automated safety camera program. Most of the "ending balance" amount noted in the table above was allocated during the 2023-2024 budget to TBD/Safer Routes To School priority projects in the CIP.

Next Steps:

In 2022, the City Council approved expanding the Automated Safety Camera Program to provide coverage to two additional school zones located at Lakeview Elementary and on 84th Ave NE on Finn Hill. The camera and signage installations in the two new zones were completed. The vendor completed installation of cameras at all four locations in August 2022. Unfortunately, City staff have been waiting for Puget Sound Energy (PSE) to energize the new camera locations in order to automate each of the cameras. PSE is expected to complete this work by the third week in February 2023.

The original public communication plan will be utilized and includes portable variable message boards at each new location, notifications posted to social media, TWIK and the Lake Washington School District. A 30-day warning period is expected to commence in March 2023, after which violations will begin being processed. Based on the current timeline, Staff do not expect to issue violations until after the Lake Washington School District's spring break (April 10-14, 2023).