

Anne Arundel County Police Department



School Bus Safety Camera Program

**Special Operations Division
Traffic Safety Section
Automated Enforcement Unit**

2023/2024 SCHOOL YEAR REPORT

**CHIEF OF POLICE
AMAL E. AWAD
ANNE ARUNDEL COUNTY, MD**

Anne Arundel County Police Department School Bus Safety Camera Program Philosophy:

The School Bus Safety Camera Program is intended to create safer roadways for school children and pedestrians by modifying driver behavior to follow existing traffic law as it relates to school buses. The program seeks to supplement traditional enforcement to reduce the prevalence of motor vehicles overtaking and passing stopped school vehicles operating their alternately flashing red lights in violation of Maryland Transportation Article (TA) § 21-706. The program accomplishes its goals with the enabling authority of Anne Arundel County Ordinance No. 12-3-108 in accordance with operational provisions detailed in TA § 21-706.1, and in cooperation with the Anne Arundel County Public Schools (AACPS).

Contract:

The public safety traffic enforcement company BusPatrol America, LLC (BusPatrol), was awarded the school bus safety camera contract by AACPS in June of 2022. While the contract is executed by and between BusPatrol and AACPS, the Anne Arundel County Police Department (AACOPD) is regarded as a third-party beneficiary. The contract is for five (5) years with the option of a renewal thereafter. The contract term began in October 2022 and violation enforcement commenced on October 3, 2022, after a mandatory warning period during the month of September.

Memorandum of Understanding:

While the contract is executed by and between AACPS and BusPatrol with AACOPD as a third-party beneficiary, the AACOPD and AACPS executed a memorandum of understanding (MOU) to mutually engage in this school bus safety program.

School Buses:

The AACPS Transportation Division is primarily responsible for coordinating with both BusPatrol and school bus contractors regarding which buses get equipped or decommissioned. Furthermore, the AACPS Transportation Division is fully responsible for the determination of bus routes and bus stops.

Violation Data:

AACOPD can share general violation data with the AACPS Transportation Division to aid their planners in identifying high violation locations, roadways, and/or school buses. An example of this is at the end of this report.

Program Evaluation:

The prevalence of violations and corresponding citation issuance data is continuously evaluated. Monthly and year-end reports will identify the issuance of citations. Examples of this follow in the report.

Review Process:

Once a possible violation is detected by the artificial intelligence within the BusPatrol software, an event is generated. All relevant information needed to issue a citation is captured and sent to a processing center at BusPatrol for verification. After the processing center verifies the possible violation is worthy of police review, they are then sent to the Anne Arundel County Police Automated Traffic Enforcement Unit (ATEU) for final review.

ATEU staff follow the below listed steps while reviewing all possible violations:

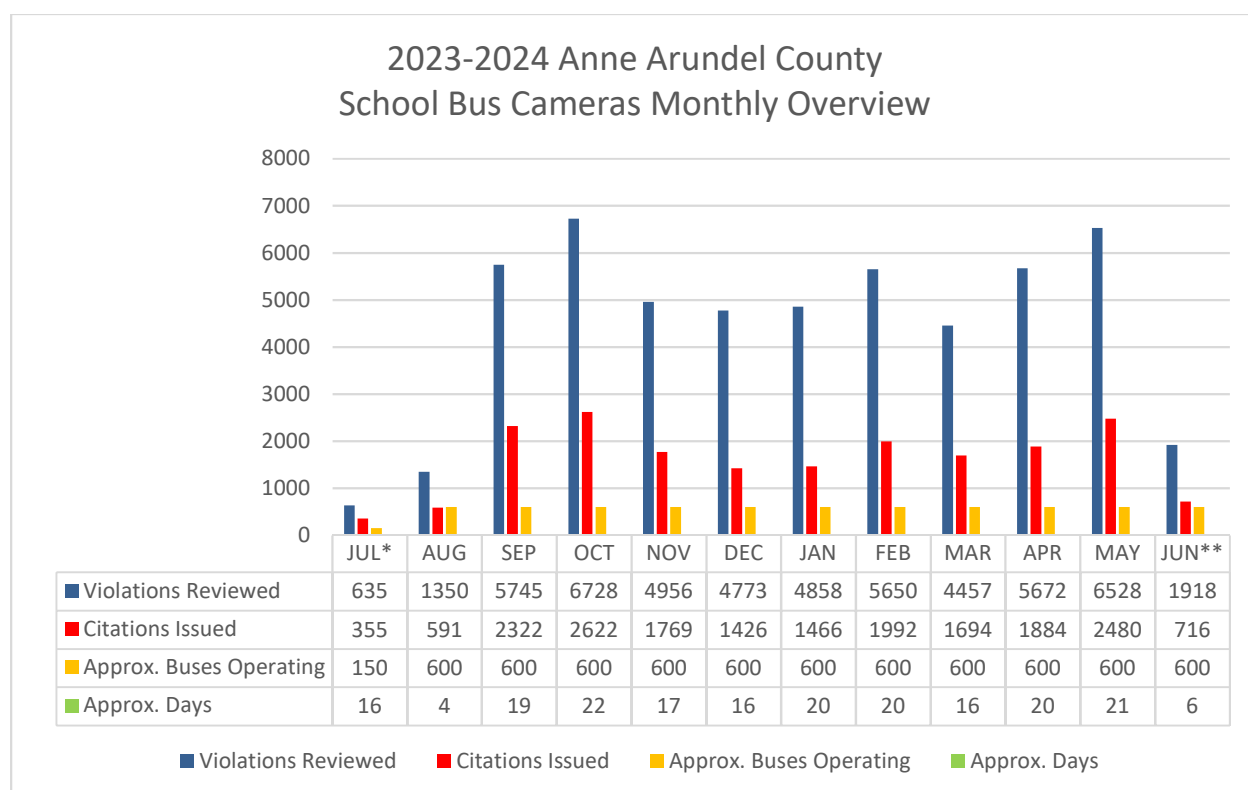
- Verify accused vehicle and confirm a violation occurred by looking at the still-photos and videos.
- Pause the video the very moment the red indicator goes on and the bus is fully stopped. Any vehicle at that moment located approximately 20 feet ahead or behind the bus could be a violation.
- Witness the yellow/amber warning indicator illuminated well before a red indicator in the video; or, the video should begin with a red/stop indicator already active.
- Ensure the bus is in a roadway travel lane and no raised or grassy medians divide the bus from the violator. A travel lane includes an acceleration or deceleration turn lane. A travel lane is not a shoulder.
- Check the map and zoom in to confirm the bus is in an acceleration/deceleration lane and not on a shoulder.
- Confirm the violation time on the video matches approximately the time listed in the software violation information.
- Confirm the tag is clear and legible and that the state listed in the software matches the tag image if possible. Confirm the make/type of vehicle is correctly listed with what picture/video show.
- Verify the location.
- If all criteria are met, approve the violation for citation issuance.
- Citation is generated, printed, and mailed by BusPatrol.

Enforcement Overview:

There were 53,270 school bus camera events submitted, from BusPatrol to AACOPD, to review for violations occurring between July 1, 2023 - June 30, 2024 (regular school calendar year including Summer School 2023). The AACOPD approved 19,317 of the total citations.

During the “Regular School Year” the Anne Arundel County Police Department ATEU staff reviewed an average of 295 events a day resulting in the issuance of an average of 98 citations per school day.

During the “Summer School Session” the ATEU staff reviewed an average of 39 events a day resulting in the issuance of an average of 22 citations per school day. The drop in volume over the Regular School Year is due to fewer busses operating (150), and fewer stops in high volume locations.



*** Summer School 16 days**

**** School Year End June 11th**

Anne Arundel County School Bus Camera Hearing Dispositions:

Anne Arundel School Bus Camera Program Court Hearing Dispositions								
Anne Arundel School Bus Camera Court Hearing Adjudications								
Month/Year	Hearings Scheduled	PP/Pre-Trial Dismissal/TOL	Paid Prior to Hearing	Guilty/FTA	Not Guilty	% Guilt	% Not Guilty	Citations Issued
Jul - 2023	46	6	5	35	0	100.00%	0.00%	355
Aug - 2023	48	2	1	45	0	100.00%	0.00%	591
Sep - 2023	52	7	5	40	0	100.00%	0.00%	2322
Oct - 2023	55	3	9	42	0	100.00%	0.00%	2622
Nov - 2023	53	3	4	46	0	100.00%	0.00%	1769
Dec - 2023	57	2	7	46	2	96.36%	3.64%	1426
Jan - 2024	148	5	15	124	4	97.20%	2.80%	1466
Feb - 2024	139	4	17	116	2	98.52%	1.48%	1992
Mar - 2024	146	5	20	115	6	95.74%	4.26%	1694
Apr - 2024	144	11	22	111	0	100.00%	0.00%	1884
May - 2024	148	13	22	108	5	96.30%	3.70%	2480
Jun - 2024	145	7	12	126	0	100.00%	0.00%	716
2023	311	23	31	254	2	97.37%	0.70%	9085
2024	870	45	108	700	6	95.24%	0.72%	10232
SY '23/'24	1181	68	139	954	8	97.16%	0.72%	19317
In January 2024 The District Court provided two additional court dates per month to help eliminate a backlog of cases pending trial. As of the end of June 2024 there were 436 cases pending trial.								
					% Guilty = (Paid + Guilty)/(Paid +Guilty+Not Guilty)			
					% Not Guilty = Not Guilty/(Paid+Guilty+Not Guilty)			

School Bus Camera Fine Revenues & Share:

School Bus Safety Camera Program Revenue & Sharing								
Month	Gross Revenue	Vendor 60%	AAC 40%	Monthly Tech Fee	Roll Over Tech Fee	Total Tech Fee Due	AAC Retained Revenue	Notes
Jul-23	219,840.83	131,904.50	87,936.33	110,075.00	22,138.67	110,075.00	0.00	22138.67 rollover to August
Aug-23	134,740.00	80,844.00	53,896.00	110,075.00	78,317.67	132,213.67	0.00	78317.67 rollover to September
Sep-23	190,315.00	114,189.00	76,126.00	110,075.00	112,266.67	188,392.67	0.00	112266.67 rollover to October
Oct-23	447,310.00	268,386.00	178,924.00	110,075.00	43,417.67	222,341.67	0.00	43417.67 rollover to November
Nov-23	446,273.00	267,763.80	178,509.20	110,075.00	0.00	153,492.67	25,016.53	No rollover tech fee
Dec-23	357,050.00	214,230.00	142,820.00	110,075.00	0.00	110,075.00	32,745.00	No rollover tech fee
Jan-24	355,987.00	213,592.20	142,394.80	110,075.00	0.00	110,075.00	32,319.80	No rollover tech fee
Feb-24	327,007.50	196,204.50	130,803.00	110,075.00	0.00	110,075.00	20,728.00	No rollover tech fee
Mar-24	442,498.17	265,498.90	176,999.27	110,075.00	0.00	110,075.00	66,924.27	No rollover tech fee
Apr-24	366,970.00	220,182.00	146,788.00	110,075.00	0.00	110,075.00	36,713.00	No rollover tech fee
May-24	426,420.00	255,852.00	170,568.00	78,440.00	0.00	78,440.00	92,128.00	No rollover tech fee
Jun-24	414,880.50	248,928.30	165,952.20	105,635.00	0.00	105,635.00	60,317.20	Data Includes Jun 1st to Jun 30th
SY Totals	4,129,292.00	2,477,575.20	1,651,716.80	1,284,825.00	No balance		366,891.80	

Approximate Issuance Per Bus Per Day (Standard School Year Operations):

Approximate Average Citations Issued Per Bus Per School Day				
Month-Year	Issued Citations	Regular School Days	Approx. Buses Operating	Average Issued Per Bus Per Day
July '23	355	16	150	0.15
August '23	591	4	600	0.14
September '23	2322	19	600	0.20
October '23	2622	22	600	0.20
November '23	1769	17	600	0.17
December '23	1426	16	600	0.15
January '24	1466	20	600	0.12
February '24	1992	20	600	0.17
March '24	1694	16	600	0.18
April '24	1884	20	600	0.16
May '24	2480	21	600	0.20
June '24	716	6	600	0.20

Approximate Issuance Per School Day (Standard School Year Operations):

Month-Year	Issued Citations	Regular School Days	School Day Average Issuance
July '23	355	16	22
August '23	591	4	148
September '23	2,322	19	122
October '23	2,622	22	119
November '23	1,769	17	104
December '23	1,426	16	89
January '24	1,466	20	73
February '24	1,992	20	100
March '24	1,694	16	106
April '24	1,884	20	94
May '24	2,480	21	118
June '24	716	6	119
SY Totals	19,317	197	98

15 Highest Issuance Locations in 23/24 School Year:

15 Highest Issuance Locations		
	High Issuance Locations	Citations
1	2500 block of Riva Rd in Annapolis MD 21401	797
2	7800 block of Telegraph Rd in Severn MD 21144	581
3	Annapolis Rd at Newmanstown Dr Hanover MD 21706	470
4	1000 block of MD-3 in Crofton MD 21114	374
5	Crain Hwy at Cedar Grove Rd in Crofton MD 21114	343
6	7700 block of Quarterfield Rd in Glen Burnie MD 21061	277
7	100 block of Defense Hwy	205
8	Annapolis Rd at Newmanstown Dr in Hanover MD 21076	198
9	700 block of Bestgate Rd in Annapolis MD 21401	176
10	Bestgate Rd at Tidewater Colony Dr Annapolis MD 21401	173
11	1300 block of MD-3BUS in Glen Burnie MD 21061	172
12	Marley Neck Blvd at Allegheny Ave Glen Burnie MD 21060	169
13	7600 block of Baltimore Annapolis Blvd in Glen Burnie MD 21060	166
14	7600 block of MD-713 in Hanover MD 21076	163
15	1300 block of MD-3BUS	155