

JOSH GREEN, M.D.
GOVERNOR
KE KIA'ĀINA



DEPT. COMM. NO. 227

EDWIN H. SNIFFEN
DIRECTOR
KA LUNA HO'OKELE
Deputy Directors
Nā Hope Luna Ho'okele
DREANALEE K. KALILI
TAMMY L. LEE
ROBIN K. SHISHIDO

STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAII'
DEPARTMENT OF TRANSPORTATION | KA 'OIHANA ALAKAU
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

IN REPLY REFER TO:

HWY-V 9.7176

December 22, 2023

The Honorable Ronald D. Kouchi
President and Members of the Senate
Hawaii State Capitol, Room 409
Honolulu, Hawaii 96813

The Honorable Scott K. Saiki
Speaker and Members of the
House of Representatives
Hawaii State Capitol, Room 431
Honolulu, Hawaii 96813

Dear President Kouchi, Speaker Saiki, and Members of the Legislature:

For your information and consideration, I am transmitting a copy of the Photo Red Light Imaging Detector System Pilot Program as required by Act 30 (2020).

In accordance with Hawaii Revised Statutes 93-16, I am also informing you that the report may be viewed electronically at: <https://hidot.hawaii.gov/library/reports/reports-to-the-legislature/>

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Sniffen".

EDWIN H. SNIFFEN
Director of Transportation

Enclosure

DEPARTMENT OF TRANSPORTATION'S
REPORT TO LEGISLATURE
OF
THE STATE OF HAWAII
REQUIRED UNDER
SECTION 8, ACT 30, SESSION LAWS OF HAWAII
2020

**ANNUAL REPORT: "PHOTO RED LIGHT
IMAGING DETECTOR SYSTEM PILOT
PROGRAM"
FROM ACT 30
SESSION LAWS OF HAWAII 2020**

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
DECEMBER 2023

DEPARTMENT OF TRANSPORTATION'S
REPORT TO THE LEGISLATURE
OF THE STATE OF HAWAII

REQUIRED UNDER

SECTION 8 ACT 30 SESSION LAWS OF HAWAII 2020

Annual report to the Hawaii Legislature on the Photo Red Light Imaging Detector Pilot Program

Introduction:

Section 8 Act 30 Session Laws Hawaii 2020 requires the Department of Transportation (DOT) to report annually until 2024 on the status and progress of the photo red light imaging detector pilot program on the implementation of the pilot program with statistical data on the program. The report will also show recommendations on how to improve the pilot program, if it should be made permanent, and funding estimates.

The photo red light imaging detector pilot program has reached its one-year mark, here is the data collected during the first year of the program.

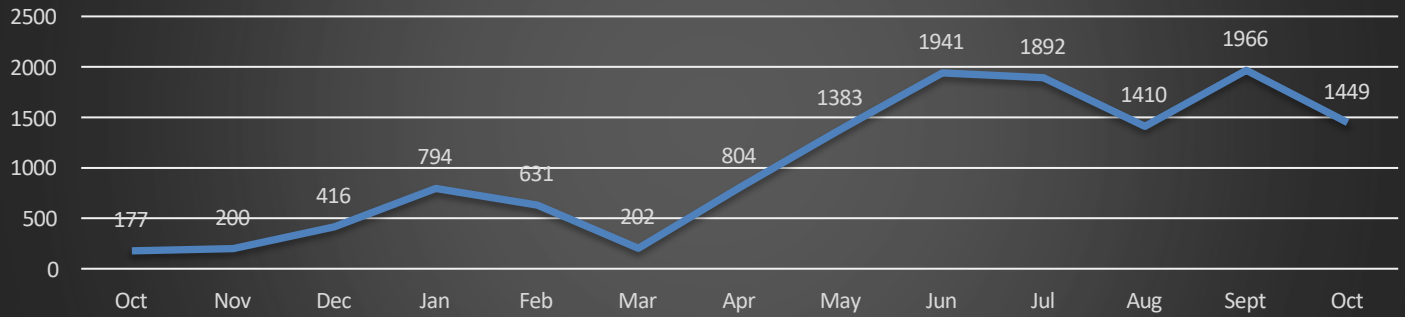
Approaches (Go Live Dates)

#	Approach Name	Intersection Name	Direction	Go Live Date
5	HWIR005	Vineyard & Palama	NWB	10/1/2022
6	HWIR006	Vineyard & Liliha	NWB	11/9/2022
7	HWIR007	Vineyard & Liliha	SEB	11/9/2022
8	HWIR008	Vineyard & Nuuanu	SEB	12/7/2022
9	HWIR009	Vineyard & Pali	NWB	12/26/2022
10	HWIR010	Vineyard & Pali	SEB	12/26/2022
11	HWIR011	Pali & School	SWB	12/29/2022
2	HWIR002	Likelike & School	SWB	3/10/2023
3	HWIR003	School & Likelike	NWB	3/10/2023
1	HWIR001	Likelike & School	NEB	3/14/2023
4	HWIR004	School & Likelike	SEB	3/16/2023
16	HWIR016	Kapiolani & Kamakee	WB	3/22/2023
14	HWIR014	Piikoi & Beretania	NB	3/29/2023
15	HWIR015	Beretania & Piikoi	WB S	3/29/2023
12	HWIR012	Ward Ave & King St	SB	4/28/2023
13	HWIR013	King St & Ward Ave	EB	4/28/2023
17	HWIR017	Mccully & Algaroba	SWB	4/14/2023

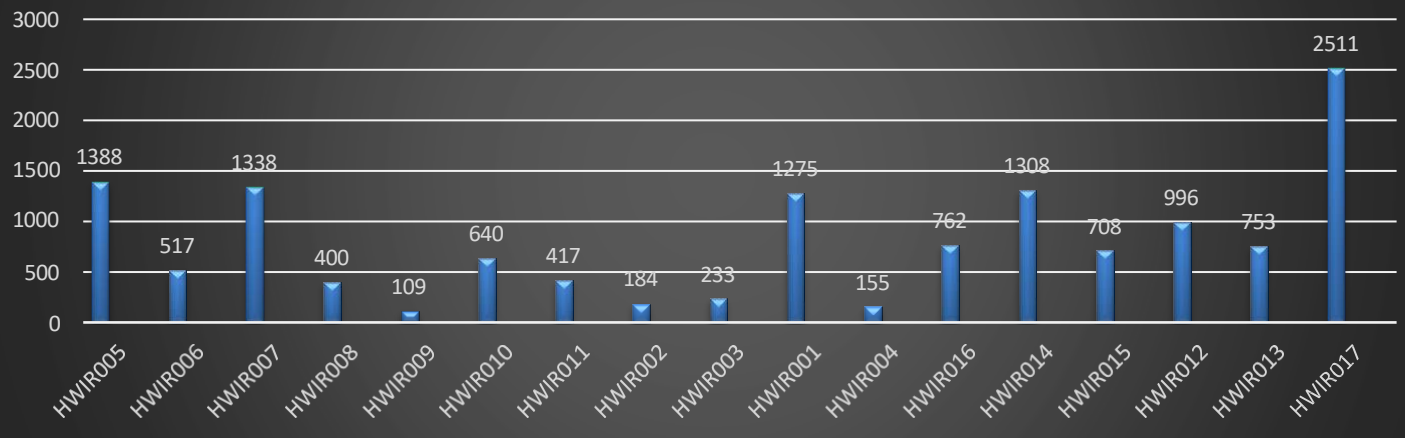
Red Light Notices Printed

Month	Oct '22	Nov '22	Dec '22	Jan '23	Feb '24	Mar '23	Apr '23	May23	Jun '23	Jul '23	Aug 23	Sep 23	Oct 23	Total
HWIR005	177	47	153	127	150	131	101	124	104	81	63	64	66	1388
HWIR006		42	58	69	71	47	24	58	31	41	18	43	15	517
HWIR007		111	143	165	158	126	150	133	77	53	65	100	57	1338
HWIR008			46	50	55	26	21	24	32	77	23	29	17	400
HWIR009			10	36	4		3	24	22	19	15	11	15	109
HWIR010			6	156	27		32	172	107	83	71	121	54	640
HWIR011				191	166	202	146		116	90	51	96	64	417
HWIR002							17	19	17	45	34	30	22	184
HWIR003							32	46	40	26	21	39	29	233
HWIR001							207	230	63	93	249	210	223	1275
HWIR004							23	45	7	10	25	26	19	155
HWIR016							48	194	126	101	77	135	81	762
HWIR014								346	261	293	87	232	161	1308
HWIR015								173	134	98	78	143	82	708
HWIR012								51	309	161	116	189	170	996
HWIR013								27	141	201	92	189	103	753
HWIR017								252	354	420	325	309	271	2511
Total	177	200	416	794	631	202	804	1383	1941	1892	1410	1966	1449	11789

Red Light Notices Printed by Month

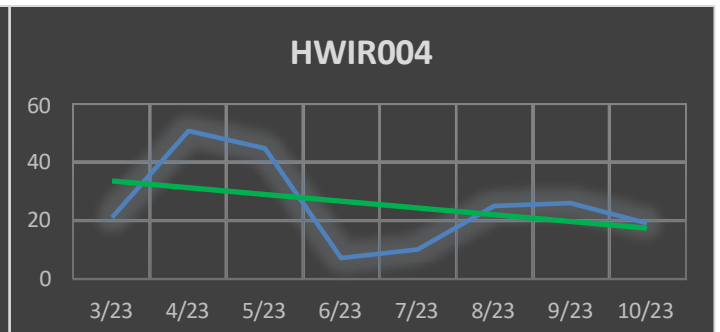
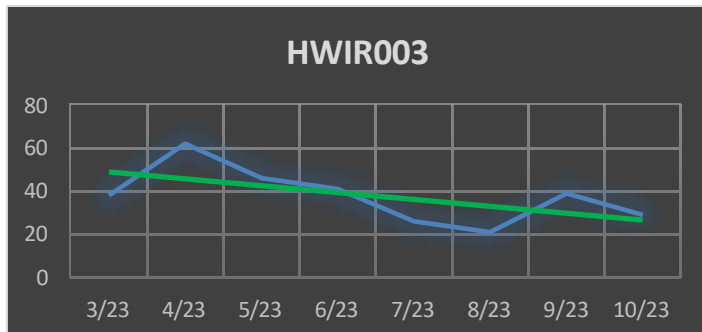
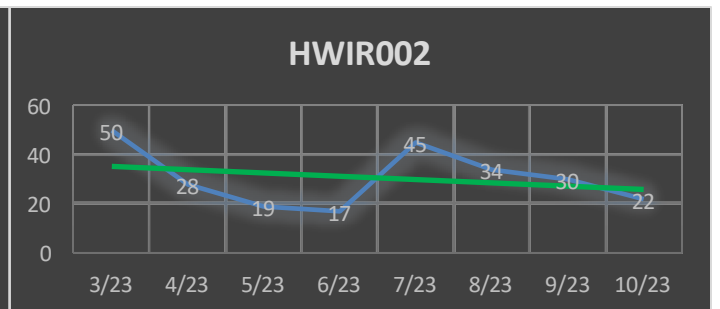
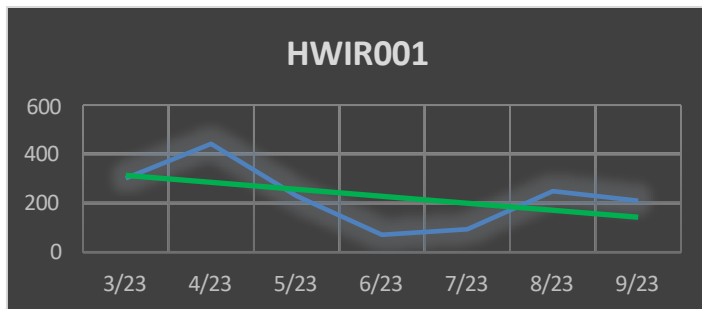


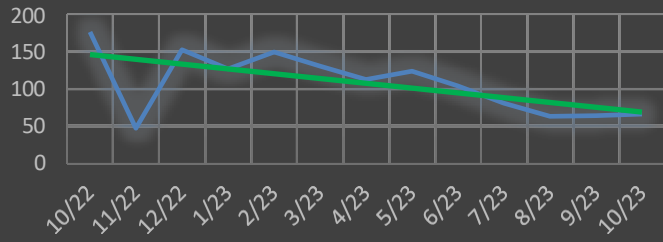
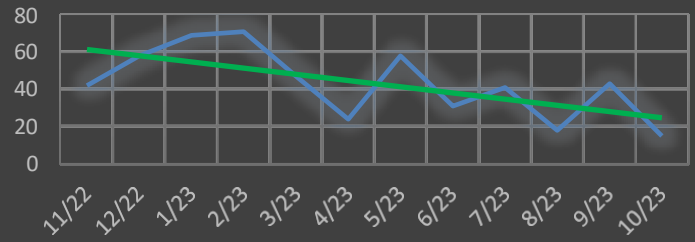
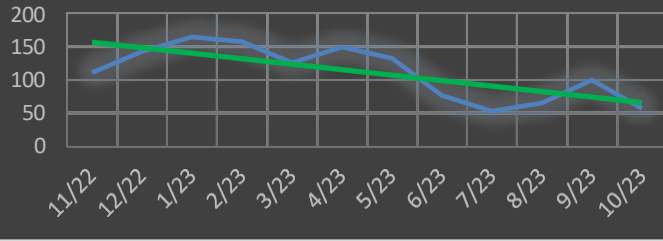
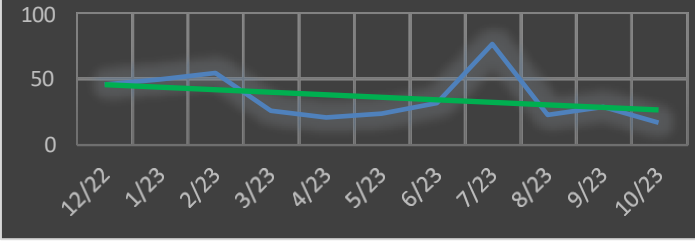
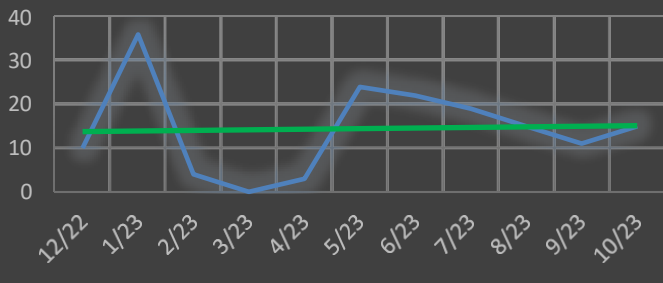
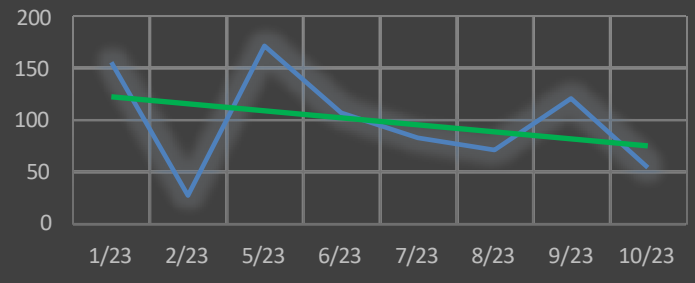
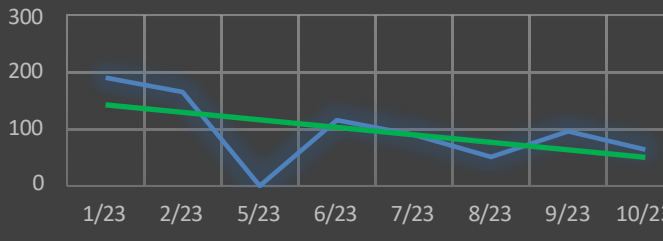
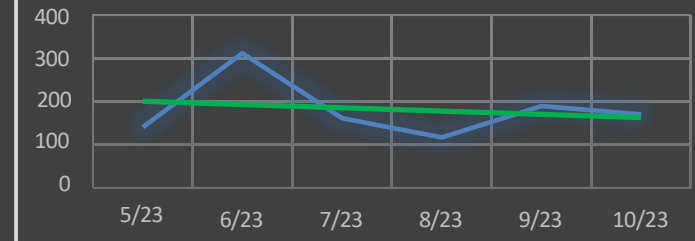
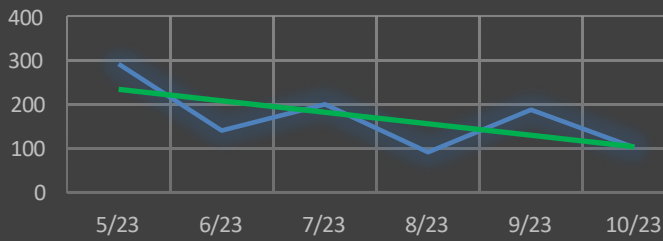
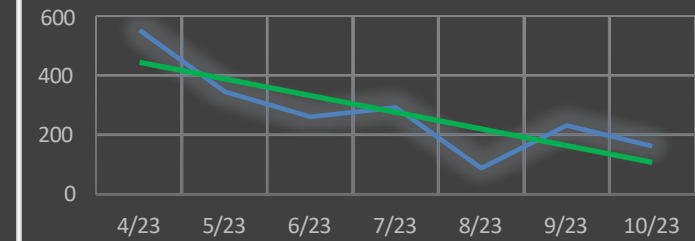
Total Printed by Approach

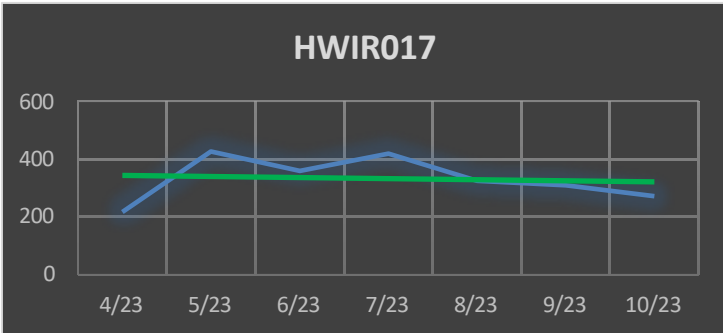
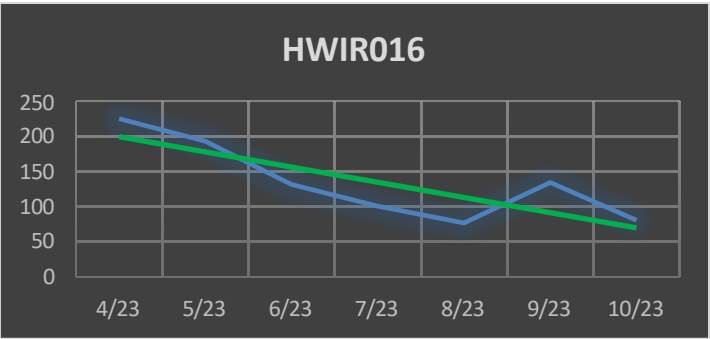
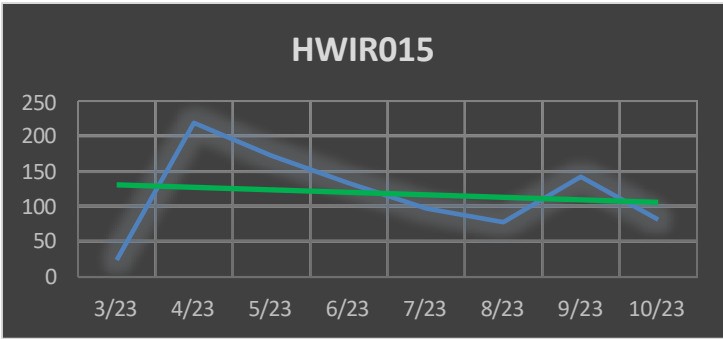


Citations Trending by Site

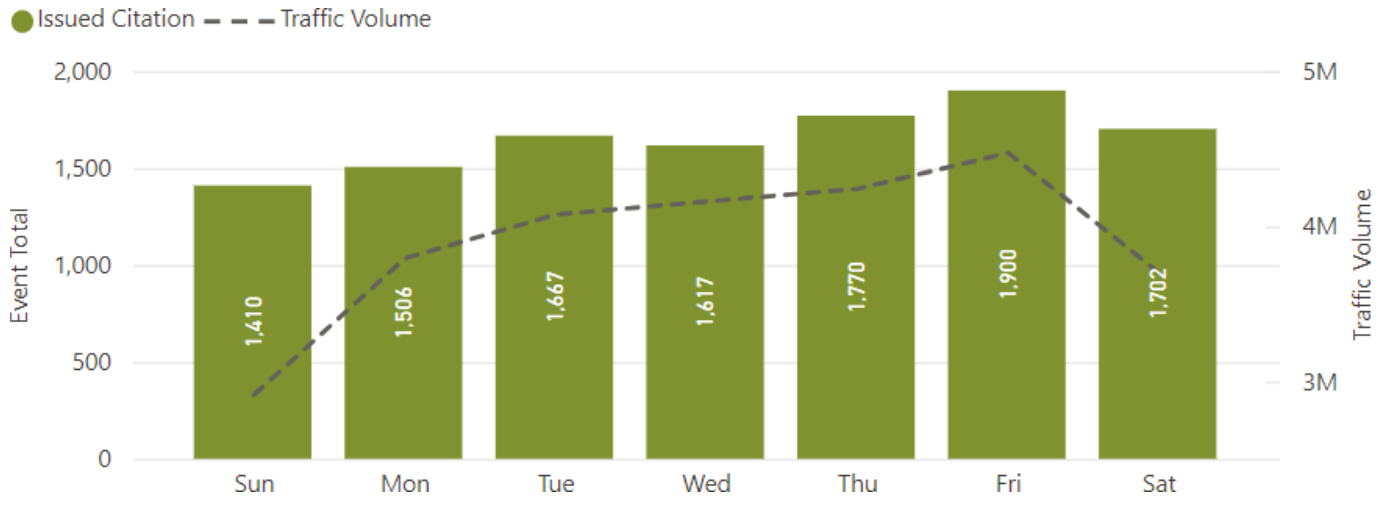
All Sites Live as of May 2023



HWIR005**HWIR006****HWIR007****HWIR008****HWIR009****HWIR010****HWIR011****HWIR012****HWIR013****HWIR014**



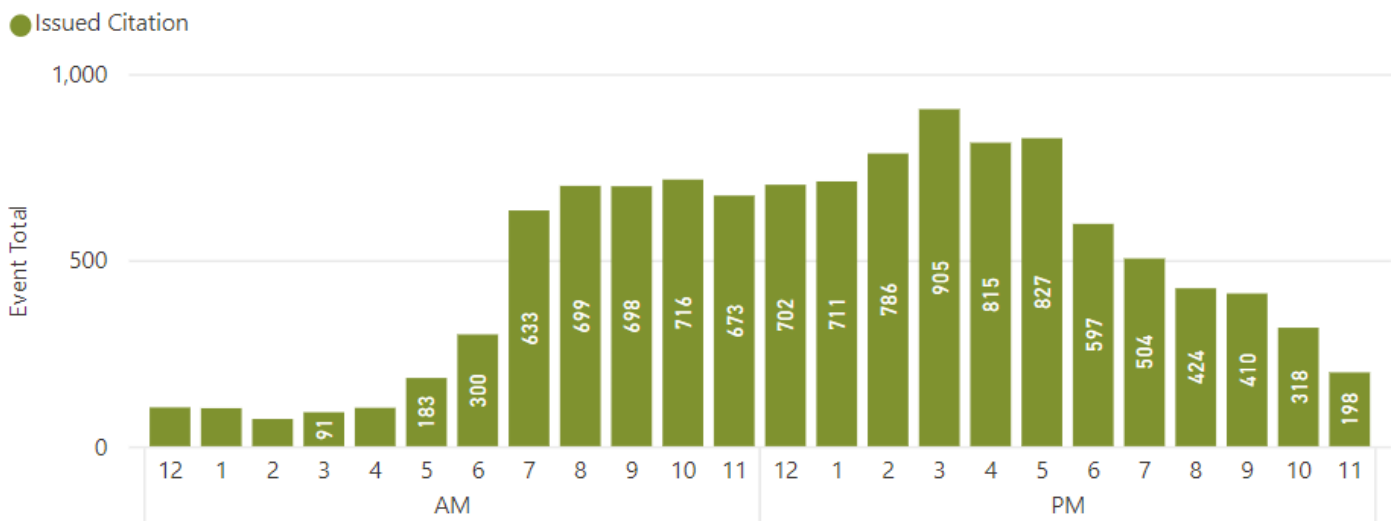
Citations by Day of the Week



Day of Week	Traffic Volume	Citation Total	Citation Status
Sun	2,913,325	1,410	Issued Citation
Mon	3,792,684	1,506	Issued Citation
Tue	4,074,941	1,667	Issued Citation

Wed	4,159,252	1,617	Issued Citation
Thu	4,240,746	1,770	Issued Citation
Fri	4,472,611	1,900	Issued Citation
Sat	3,699,001	1,702	Issued Citation

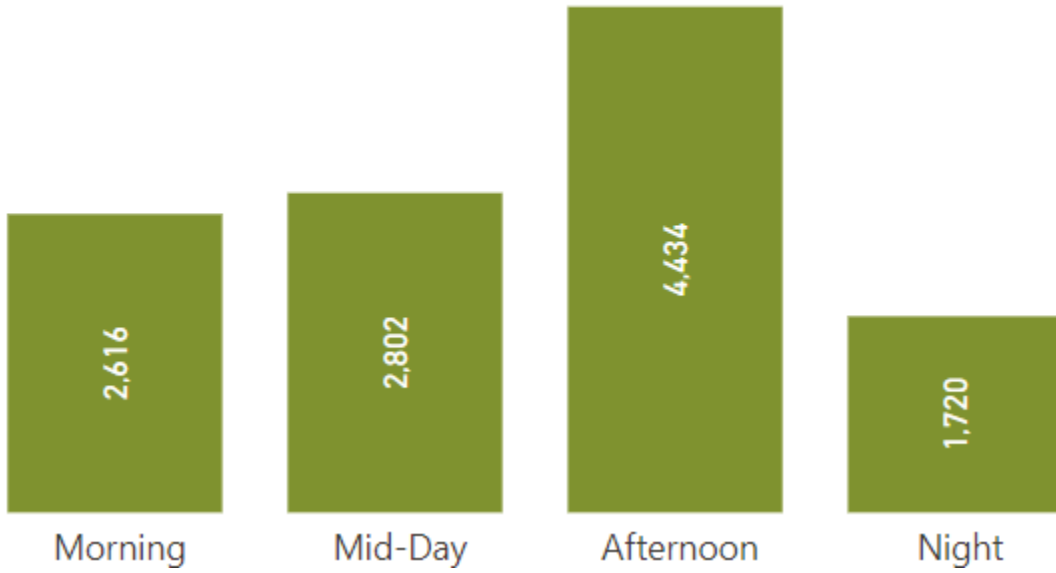
Citations by Hour of the Day



Month	Citation Total	Year
Jan	470	2023
Feb	631	2023
Mar	532	2023
Apr	1,013	2023
May	2,031	2023
Jun	1,964	2023
Jul	1,893	2023
Aug	1,410	2023
Sep	1,358	2023
Nov	6	2022
Dec	264	2022

Citations by Time of the Day

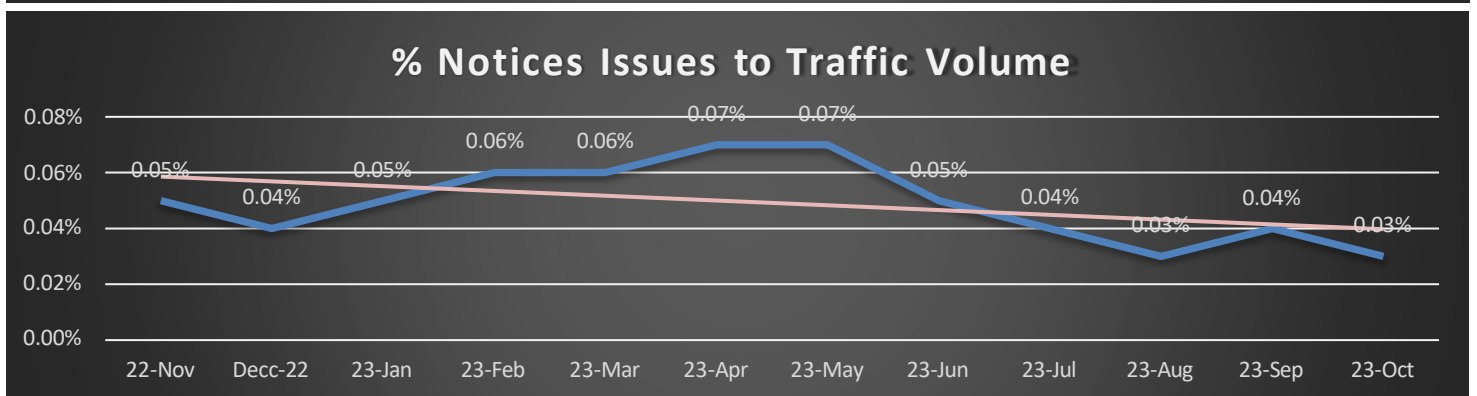
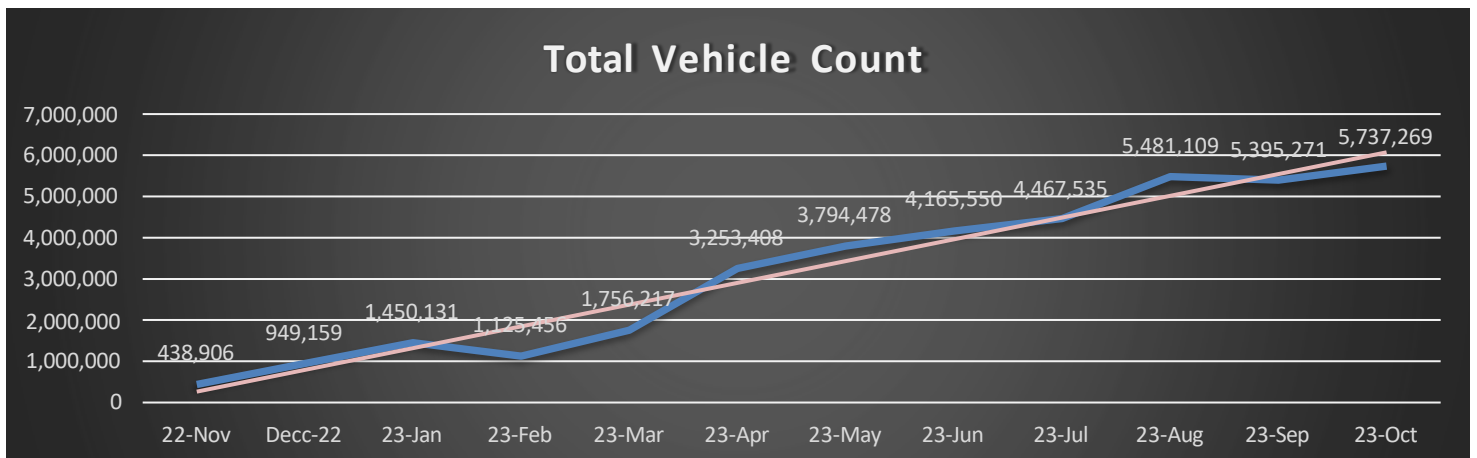
● Issued Citation



Time of Day	Citation Status	Citation Total
Morning	Issued Citation	2,616
Mid-Day	Issued Citation	2,802
Afternoon	Issued Citation	4,434
Night	Issued Citation	1,720

Traffic Statistics

Month	Vehicle Count	Events	Issued Citations	Issued Warnings	Issued Total	%Issued
22-Oct	220,062	976	0	177	177	0.08%
22-Nov	438,906	1,071	6	194	200	0.05%
Decc-22	949,159	2,375	264	152	416	0.04%
23-Jan	1,450,131	3,555	470	324	794	0.05%
23-Feb	1,125,456	2,670	631	0	631	0.06%
23-Mar	1,756,217	3,266	532	489	1,021	0.06%
23-Apr	3,253,408	5,914	1,013	1,342	2,355	0.07%
23-May	3,794,478	8,605	2,031	530	2,561	0.07%
23-Jun	4,165,550	8,878	1,964	0	1,964	0.05%
23-Jul	4,467,535	7,514	1,893	0	1,893	0.04%
23-Aug	5,481,109	7,859	1,410	0	1,410	0.03%
23-Sep	5,395,271	8,233	1,966	0	1,966	0.04%
23-Oct	5,737,269	8,071	1,449	0	1,449	0.03%



Crash Data (As of October 6, 2023)

Location & Direction of Traffic	Equipment Activation Date	2021 - Act date	Act date - 2023
(NWB) Vineyard Boulevard and Palama Street	10/1/2022	2	1
(NWB) Vineyard Boulevard and Liliha	11/14/2022	2	1
(SEB) Vineyard Boulevard and Nuuanu Avenue	12/11/2022	0	1
(NWB) Vineyard Boulevard and Pali Highway	12/28/2022	0	0
(SWB) Pali Highway and School Street	1/4/2023	3	2
(NEB) Likelike Highway and School Street	3/10/2023	0	0
(WB) Kapiolani Boulevard and Kamakee Street	3/24/2023	2	0
(NB) Piikoi Street and S Beretania Street	3/29/2023	3	0
(SB) Ward Avenue and King Street	4/14/2023	4	0
(SWB) McCully Street and Algaroba Street	4/14/2023	5	0
TOTALS		21	5

As of the end of October 2023, 203 citations were dismissed for various reasons. The DOT reviewed each of the dismissals and found:

- Sold – No longer owns the vehicle: 129
- Vehicle was stolen: 7
- Not the driver: 13
- Miscellaneous: 54

Citations for sold and stolen vehicles are to be dismissed per the Hawaii Revised Statutes (HRS). However, the other citations should not have been dismissed. The DOT will work with our partners to reduce the number of citations that were dismissed for reasons not included in the HRS.

The DOT met with the Red-Light Running Committee in December 2023 to review the first year of data and what adjustments, if any, should be made to the program to enhance the success of changing driver behavior.

The DOT and committee are encouraged by the first year of data. There have been significant reductions in red light running incidents at these 10 intersections. The DOT and our partners continue to support the program becoming permanent due to the positive impacts it has had in traffic safety and look forward to the program being implemented statewide.

The DOT and committee agree that we need to continue outreach and education efforts to further reduce red light running incidents.

The total amount of the pilot program is \$2.8 million. The monthly cost for the equipment is \$90,267.00 for 17 cameras at 10 intersections.

Mahalo for the opportunity to conduct this pilot project.