

City of Wilmington

Traffic Light Signal Violation Monitoring System

Program Report for Fiscal Year 2021



Published by the

Wilmington Police Department
Robert J. Tracy, Chief of Police

Department of Finance
J. Brett Taylor, Director

Table of Contents

Introduction	4-8
Executive Summary	9-10
How a Red Light Camera Works – Inductance Loops and Radar.....	11-12
Crash Data Analysis	13
Data Method Technology	14
Supporting Contractor and Management Team	15
Camera Locations.....	16-17
City Map of Red Light Camera Locations.....	18
Violations	19
Revenue / Expenses.....	20-21
Court Process.....	22
Affidavits	22
Delinquent Fine Payments	23
New Intersections	23
Report Recommendations for Fiscal Year 2021.....	24
Frequently Asked Questions and Answers.....	25-26
Appendix	
Total Crashes Per Year	28
FY19 Red Light Camera Summary by Location.....	29-36
FY20 Red Light Camera Summary by Location.....	36-43
Most Improved Intersections.	44

Table of Contents (Cont'd)

Intersection with Greatest Increase in Number of Crashes.....45-46
Red Light Intersection with Most Accidents47
FY20 Angle Crashes by Location Graph.....48
FY20 Rear End Crashes by Location Graph49
FY20 Side Swipe Crashes by Location Graph.....50
FY20 Other Crash Types by Location Graph 51
FY20 Personal Injury Crashes by Location Graph52
FY20 Red Light Running Crashes by Location Graph 53
FY20 Pedestrian Crashes by Location Graph..... 54

Introduction

Since the inception of Wilmington's Traffic Light Signal Violations Monitoring System Program's in 2001, the intention is to reduce dangerous intersection crashes that typically cause injury or death, to aid in the redeployment of police officers to better serve our residential and business communities, and to avoid the cost associated with red light running traffic crashes has remained the same.

The current Traffic Light Signal Violation Monitoring System program has 46 red light cameras at 40 intersections located throughout the city. There has been a decrease of 21% in accidents for this reporting period. There were 422 accidents reported in FY20, compared to 331 accidents during FY21.

As a result of COVID-19 we have seen more wide-open spaces on the roads resulting in speeding, red light violations and accidents.

Many states use cameras to enforce traffic safety laws. Within the nation, 411 communities have red light camera programs as of January 2019. ¹

Delaware

- Bear
- Bridgeville
- City of Dover
- City of Elsmere
- City of Seaford
- Millsboro
- New Castle County
- Newark
- Rehoboth Beach
- Sussex County
- Wilmington

Within the State of Delaware, the following have red light camera monitoring systems in place under the State of Delaware's Program:

- City of Dover
- City of Elsmere
- City of Seaford
- City of Newark
- City of New Castle
- Department of Transportation in conjunction with Delaware State Police for unincorporated areas of the state

¹ Insurance Institute for Highway Safety – Highway Loss Data Institute, Red Light Running, Automated Enforcement, December 2017. Article available at: <https://www.iihs.org/topics/red-light-running>

During fiscal year 2021, a total of 331 crashes occurred at all monitored intersections, resulting in a 21% decrease when compared to the 422 crashes that occurred in fiscal year 2020.

For fiscal year 2021, W. 2nd Street & N. Adams had the most reported crashes, twenty-five.

There were three intersections which had seen a decrease in the number of reported crashes. These intersections were W. 2nd Street & N. Walnut Street, Martin Luther King, Jr. Boulevard & N. Market Street and W. 4th Street & N. Jackson Street.

Collisions caused by red light running continue to burden families and the community-at-large. As medical cost continues to sky-rocket, there are also additional costs associated with vehicle removal and repair, and the attention from police and other emergency response personnel when an accident occurs. Through education and enforcement, the red-light safety program will likely continue to change driver behavior.

Tips for Pedestrian Safety

Drivers and pedestrians alike share the responsibility of keeping themselves and others on the road safe. Many strides have been made by the Federal Highway Administration to increase pedestrian safety. Infrastructure improvements have added a variety of safety measures, including more medians and redesigned roads allowing for better pedestrian/bicycle traffic flow. Here are some useful tips and guidelines to follow:²

Be Visible

Make sure you're visible to drivers at all times and make eye contact with them whenever possible. This is especially important at night, in low-light conditions such as dusk or dawn or in inclement weather. According to NHTSA's National Center for Statistics and Analysis, 32 percent of all pedestrian fatalities occur between 8 p.m. and 11:59 p.m.

² Tips for Pedestrian Safety | AAA Exchange; Article available at: <https://exchange.aaa.com/safety/pedestrian-safety/>

- Wear lightly colored or reflective clothing at night and brightly colored clothing during the day.
- Stay in well-lit areas, especially when crossing the street.

- If possible, make eye contact with drivers in stopped vehicles to ensure they see you before you cross in front of them.

Stay Alert – Avoid Distractions

Distractions are everywhere today and becoming more and more difficult to avoid. Remember that, as a pedestrian, your eyes and ears are your best tools for keeping safe.

- Put down your phone. Smartphones and handheld electronic devices are a daily part of life, but they take your eyes off of the road for pedestrians and distract your attention.
- Don't wear headphones. Your ears will tell you a lot about what is happening around you – be sure to use them.

Follow the Rules

- Know and follow all traffic rules, signs and signals. You need to be aware of the rules vehicles around you must follow to properly anticipate what drivers will do. This will help increase your safety.
- Never assume a driver will give you the right of way. Make every effort to make eye contact with the driver of a stopped or approaching vehicle before entering the roadway.

Walk in Safe Places

- Use crosswalks when crossing the street. If a crosswalk is unavailable, be sure to find a well-lit spot on the road to cross and wait for a long enough gap in traffic to make it safely across the street.
- Stay on sidewalks whenever possible. If a sidewalk is not available, be sure to walk on the far side of the road facing traffic. This will help increase your visibility to drivers.
- Avoid walking along highways or other roadways where pedestrians are prohibited.

Avoid Alcohol Consumption

- Almost half of all traffic crashes resulting in pedestrian fatalities involve alcohol consumption. Surprisingly, 34 percent of that total was on the part of the pedestrian. Alcohol impairs your decision-making skills, physical reflexes and other abilities just as much on your feet as it does behind the wheel.

Tips for Driver Safety



Be Alert

- Look-out for pedestrians at all times. When you are operating a vehicle, you have accepted a heightened responsibility for other people on the road. Safety is a two-way street. Often, pedestrians— especially younger ones— are not where they should be or where you would expect them to be. Remain vigilant at all times.
- Follow posted speed limits at all times, especially in areas of heavy pedestrian traffic. This is even more important in areas that have lower speed limits, such as school zones and neighborhood streets, where pedestrians may appear suddenly.
- Overall visibility is limited in bad weather conditions and poorly lit areas. Not only is it more difficult for drivers to see oncoming pedestrians, it is also harder for pedestrians to see you. Make sure your lights are on and you use your turn signals properly. Use extra caution in these circumstances.
- Be mindful of pedestrians when pulling into and out of driveways, especially if you are backing-up. Pedestrians can easily enter your path without your knowledge.

Crosswalks

- Always yield to pedestrians in the crosswalk.
- When approaching a crosswalk, reduce your speed and be prepared to stop.
- When you are stopped at a crosswalk, allow enough room between your vehicle and the crosswalk so other drivers can see the pedestrians you have stopped for.
- Do not pass vehicles stopped at a crosswalk. They have stopped to allow pedestrians to pass or to make sure the way is clear.

Do Not Drive Under the Influence

- Alcohol and drugs impair your reaction time, reflexes, decision-making skills and overall cognitive functions. Getting behind the wheel while impaired puts everyone in danger.

Cell Phone Usage While Driving

Delaware's hands-free cell phone law has been in effect since 2011 and bans all drivers from using handheld cell phones, pagers, PDAs, blackberry's, laptops, games or portable computers while driving.³ Drivers are not allowed to talk without using a hands-free device, read, write or send text messages, email or use the Internet while operating a motor vehicle. Drivers caught using a hand-held device will be fined approximately \$106 (\$50 base fine with fees), for their first offense, with subsequent penalties reaching up to \$350 with fees.

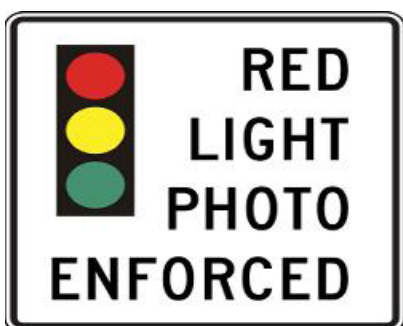
Since the law went into effect there have been over 54,000 cell phone citations issued statewide to-date. Delaware became the 30th State in the nation to have a texting ban, and the 8th to also ban the use of handheld cell phones. No State completely bans the use of cell phones altogether.

Delaware's cell phone law can be found in the Delaware Code under [Title 21§4176C Electronic communication devices; penalties.](#)

³ [State of Delaware, Office of Highway Safety \(OHS\), Distracted Driving. https://ohs.delaware.gov/distracted.shtml](https://ohs.delaware.gov/distracted.shtml)

Executive Summary

The Traffic Light Signal Violation Monitoring System Program is an electronic monitoring system authorized for 46 camera installations at 40 signalized intersections within the City of Wilmington. The current camera locations meet eligibility through monitoring for potential incidences of red light related crashes. The following signage, though not legally required to be posted, has been placed at most intersections to warn motorists that an intersection is photo enforced.



A vehicle in violation of the State of Delaware and City of Wilmington's red light traffic law is automatically detected as it passes through a signalized intersection. If a vehicle enters an intersection any time after the signal light has turned red, the driver has committed a violation. The number of seconds that elapse while the signal light is yellow, and the number of seconds that elapse after the signal light turns red is tracked and recorded. Motorists who are inadvertently in an intersection when the signal changes (waiting to turn left, for example) are not red light violators.

Title 21§4101(d) of the Delaware Code allows the Delaware Department of Transportation (DelDOT) and/or the governing body of any city or county to install and operate traffic light signal violation monitoring systems and assess fines accordingly. The fine for violating the red light traffic laws, within the City of Wilmington, is \$110. If red light cameras are installed on state-maintained streets or roads by an entity other than DelDOT, DelDOT must approve the installation before work can begin.

All intersections using a traffic control photographic system or other traffic light signal violation monitoring system must adhere to the exact duration of the yellow light change interval. This time period must be no less than the yellow light change interval duration specified in the design manual developed by DelDOT. For more information visit the State of Delaware website at www.delaware.gov, title 21§4101(d).

Wilmington's Traffic Light Signal Violations Monitoring System program is currently managed by Conduent State and Local Solutions Inc. Digital technology allows Conduent to produce both still images and videos of the violation, thus providing additional information to help determine whether a vehicle was forced into an intersection by an emergency vehicle.

Right turns on red are permissible after a **complete stop**, except when prohibited by a posted sign or when a steady red arrow is displayed. Left turns on red are permissible after a **complete stop** from a one-way street to another one-way street unless prohibited by a posted sign, or when a steady red arrow is displayed.

Delaware law requires motorists facing a red signal to come to a complete stop prior to the stop limit, whether marked by sign or painted line, or if none, before entering the crosswalk or the near side of the intersection or, if none, then before entering the intersection.

Vehicle owners who violate the law are notified by mail of their violation and receive three high resolution digital images of the violation. In addition, those who receive a notice of violation are able to log onto www.public.cite-web.com to view a 10-second video showing their infraction.

Vehicular traffic facing a steady red signal, where signs are not placed prohibiting turns on a steady red, **after coming to a full stop**, may cautiously enter the intersection and make a right turn. Such turning traffic should yield the right-of-way to pedestrians lawfully within a crosswalk and to other traffic using the intersection.

How a Red-Light Camera Works - Inductance Loops and Radar

The red-light camera system uses inductance loops to detect the presence of a vehicle prior to the violation point.

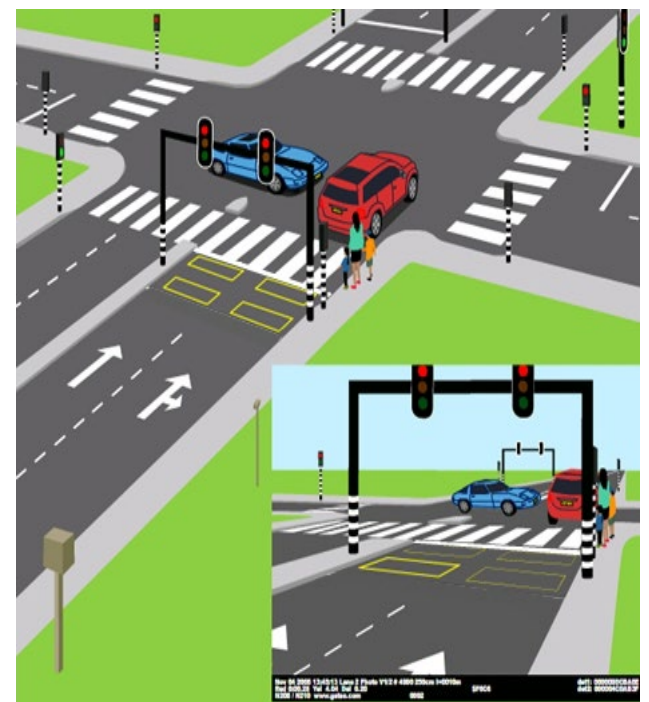
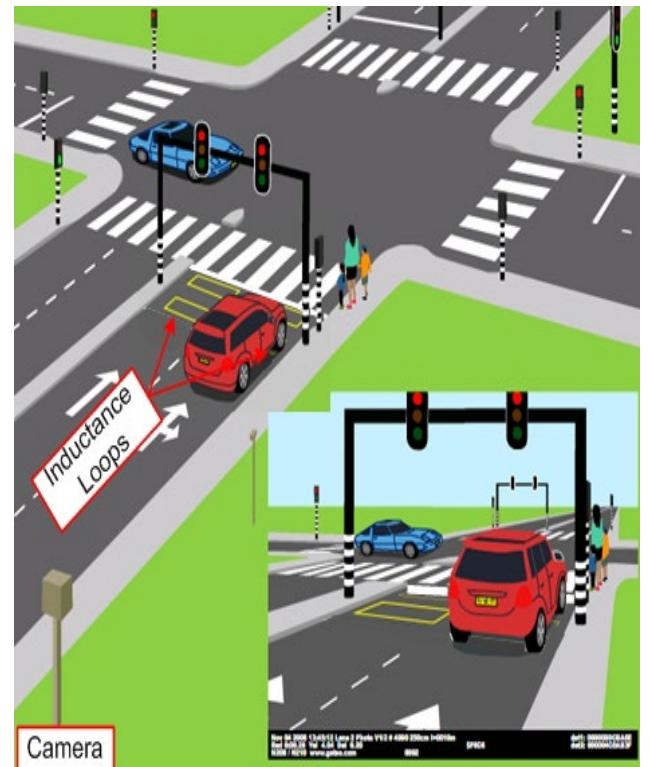
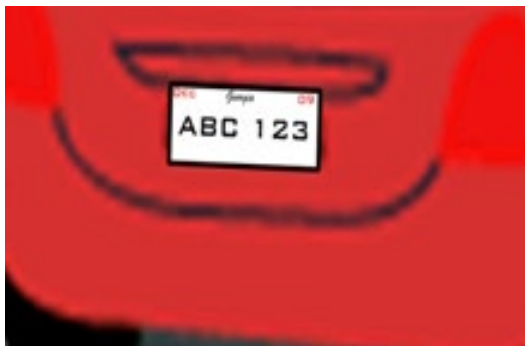
(An **induction** or **inductive loop** is an electromagnetic communication or detection system which uses a moving magnet to induce an electric current in a nearby wire. Induction loops are used for transmission and reception of communication signals, or for detection of metal objects in metal detectors or vehicle presence indicators.)

If a moving vehicle presence is detected during a red signal phase, the camera initiates the capture of two digital images and a video clip.

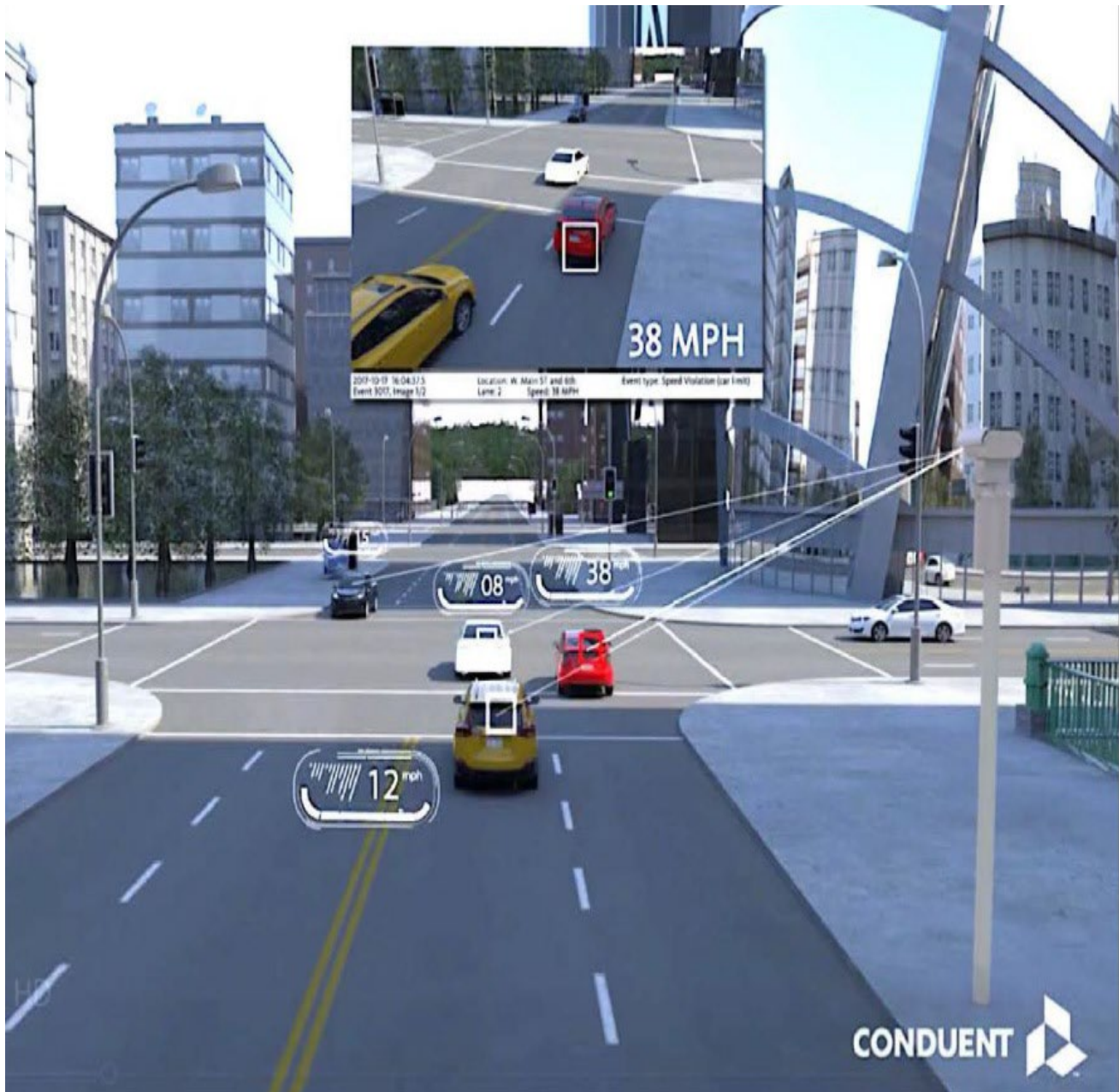
The first digital image will show the violating vehicle behind the violation point, the red signal phase, in addition to data about the violation that appears at the bottom of the image.

The second digital image will show the violating vehicle beyond the violation point proceeding through the intersection, the red signal phase, in addition to data about the violation that appears at the bottom of the image.

A third digital still image will be a close-up shot of the violating vehicle with a clear image of the vehicle license plate.



The radar sites at the new intersections use non-invasive smart 3-dimensional high-definition radar. The smart radar precisely measures the vehicle range, speed, angle, and other parameters. These parameters, in combination with advanced filtering algorithms, allow the smart radar to accurately track individual vehicles on the roadway at the time of violation. This ensures traffic is monitored effectively regardless of road condition and traffic volume.



FY2021 Crash Data Analysis

The City of Wilmington's Traffic Light Signal Violation Monitoring System shows a decrease in accidents at camera locations monitored for fiscal year 2021. In fiscal year 2020, 422 crashes were identified as having occurred within the vicinity of the intersections monitored. In fiscal year 2021, 331 crashes were identified for the same locations, resulting in a 21% decrease when compared to fiscal year 2020. The total crash numbers include the following five categories: angle crashes, rear end crashes, side swipe crashes, pedestrian and other crashes. Included in the City of Wilmington's Traffic Light Signal Violation Monitoring System report for fiscal year 2021 is crash data by crash type.

- **Total crashes** include all crashes occurring within the vicinity of the intersection.
- **Angle crashes** include right angle crashes, as well as left-turn crashes caused by a motorist proceeding through a red light. Crashes caused by a motorist turning left on a "permissive" signal indication (i.e. a circular green or flashing red arrow), are not included in this analysis. Total number of crashes in this category is 120.
- **Rear end crashes** include crashes when the rear vehicle fails to stop and strikes the front vehicle. This includes rear end crashes that occur at the onset of the yellow and red intervals, as well as rear end crashes that occur at the back of a queue of standing vehicles, which frequently occur several seconds following the change to a red signal indication. Total number of crashes in this category is 83.
- **Side-Swipe Crashes** include crashes where one vehicle side swiped another vehicle within the vicinity of the monitored intersections. Total number of crashes in this category is 56.
- **Other Crashes** include crashes where fixed objects were struck (i.e. telephone pole, curb or sign), head-on collisions and accidents where there was no known cause. Total number of crashes in this category is 62.
- **Pedestrian Crashes** these are crashes in which pedestrian were struck at red light camera intersections. Total number of crashes in this category is 10.

To further explain information in the total crashes, we have included the number of accidents that resulted in personal injury and accidents as a result of running a red light.

- ***During fiscal year 2021, 100 personal injury accidents occurred.***
Locations of accidents are noted in the appendix section on page 49.
- ***During fiscal year 2021, 43 red light running crashes occurred.***
Locations of accidents are noted in the appendix section on page 50.

Data Method Technology

In 2010, the Delaware Criminal Justice Information System (DELJIS) implemented a new crash reporting system called E-Crash. In response to E-Crash, DelDOT implemented the Crash Analysis Reporting System (CARS). E-Crash generates latitude and longitude coordinates when law enforcement officers identify the location of crashes in the field. These coordinates, in addition to other elements and attributes of the crash report, are then communicated to DelDOT for inclusion in CARS. This process results in a more accurate method of establishing the location of crashes and provides more complete crash data.

Data from fiscal years 2020 and 2021 are included in this Program Report using CARS information. As previously mentioned, this data provides a more accurate reporting methodology when determining crashes in the field.

The CARS system has been in use since 2010 and contains crash data from 2005 through the present. Crash data from 2005 through 2009 was migrated from the former crash system into the new CARS system. However, the first camera installations began as early as 2001. Therefore, it is not feasible to obtain complete “before” and “after” crash data entirely from the new CARS system. Combining data between the former crash reporting system and the new CARS system may show an increasing trend in overall crashes as a result of the more complete data system. This trend is likely to be more significantly observed in the review of “total” and “rear end” crashes, which are typically less severe compared to “angle” crashes. DelDOT will continue to monitor the impact that the new crash reporting system has on the “before” and “after” crash data.

Supporting Contractor and Management Team

The City of Wilmington continues the Traffic Light Signal Violation Monitoring System Program with our current vendor, Conduent State and Local Solutions, Inc., has managed the City of Wilmington's program since its inception in 2001. The City, along with Conduent, has built an outstanding partnership and team to support photo enforcement of violations that occur within Wilmington.

In March 2016, the City signed a new contract with our current vendor, Conduent State and Local Solutions, Inc., who was selected through the Request for Proposal (RFP) process.

The contract expires in March 2022, with the option to renew for two one-year periods and will save the City approximately \$400,000 a year when compared to our previous commission-based contract.

The Traffic Light Signal Violation Monitoring team meets monthly to determine the effectiveness of the program through continuous, ongoing evaluation to clearly identify and effectively communicate red light related safety problems to the public, to communicate the operational status and standards of the equipment, to discuss road maintenance on the service of the equipment and to review upcoming court cases. The team members are:

J. Brett Taylor, Director of Finance

Jim Lazarski, Conduent State and Local Solutions, Inc.

Brian Mitchell, Transportation Engineer

Ret. Master Sergeant. Corey Staats, Wilmington Police

John Hawley, Assistant City Solicitor

Debra Wooden, Parking Enforcement Supervisor

Camera Locations

Forty-six (46) red light cameras at forty (40) intersections are positioned throughout the City of Wilmington. Technology used by the program enables the City to better enforce violations of the “right turn on red” laws as well as violations of traveling through a red light.

A retired Master Sergeant from the Wilmington Police Department, with over thirty-three years of police experience, is responsible for reviewing all violations before a citation is issued. He reports directly to the Captain of the Special Operations Division.

Locations of the red-light cameras within the City are listed below:

Red Light Camera Locations

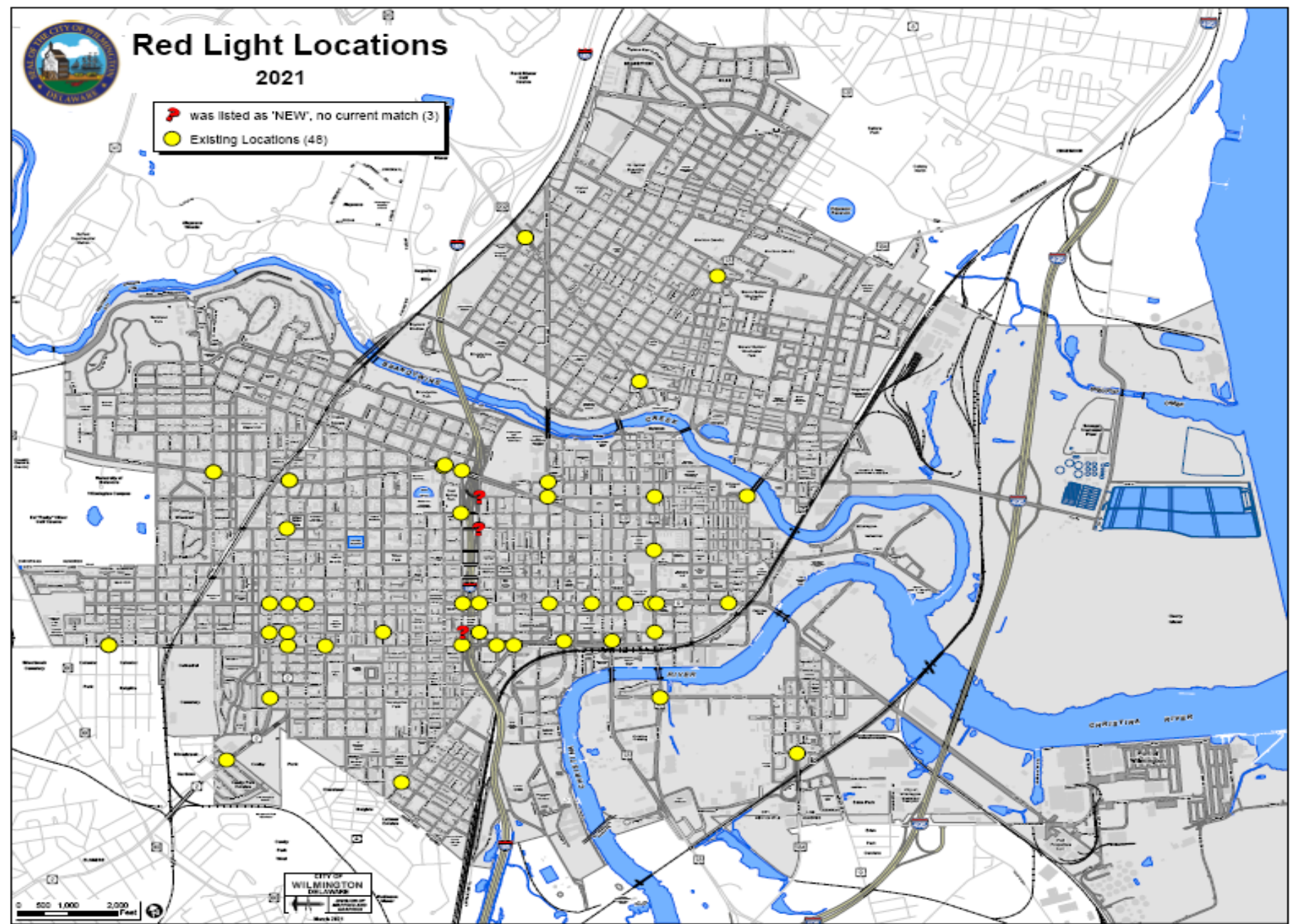
Pennsylvania Avenue westbound at N. Lincoln Street
Lancaster Avenue eastbound at S. Cleveland Avenue
Pennsylvania Avenue eastbound at N. Franklin Street
4th Street westbound at N. Adams Street
4th Street westbound at N. Washington Street
Lancaster Avenue westbound at S. Cleveland Avenue
Pennsylvania Avenue eastbound at Woodlawn Avenue
Pennsylvania Avenue westbound at Woodlawn Avenue
Concord Avenue southbound at N. Market Street
Lancaster Avenue eastbound at Lincoln Street
11th Street eastbound at N. Church Street
S. Union Street northbound at Prospect Road
S. Union Street southbound at Maple Street
4th Street westbound at Scott Street
Concord Avenue northbound at N. Broom Street
Concord Avenue southbound at N. Broom Street
Lancaster Avenue eastbound at Jackson Street
Route 13A southbound at Christiana Avenue
Maryland Avenue eastbound at 7th Avenue
N. King Street southbound at E. 4th Street

Camera Locations (Cont'd)

W. 4th Street eastbound at N. Orange Street
Martin Luther King, Jr. Boulevard westbound at West Street
S. Walnut Street northbound at E. 2nd Street
Pennsylvania Avenue eastbound at N. Van Buren Street
Delaware Avenue westbound at N. Van Buren Street
W. 12th Street westbound at N. Washington Street
W. 2nd Street westbound at N. Adams Street
S. Walnut Street northbound at A Street
N. Walnut Street northbound at E. 8th Street
N. Walnut Street northbound at E. 4th Street (camera 1)
N. Walnut Street northbound at E. 4th Street (camera 2)
N. Walnut Street northbound at E. 11th Street
E. 11th Street EB at N. Walnut Street
N. Broom Street SB at W. 2nd Street
W. 11th Street EB at Washington Street
W. 2nd Street westbound at N. Lincoln Street
W. 4th Street westbound at N. Lincoln Street
Martin Luther King, Jr. Boulevard westbound at N. Market Street
Martin Luther King, Jr. Boulevard eastbound at N. Monroe Street
Martin Luther King, Jr. Boulevard eastbound at N. Madison Street
Delaware Ave westbound at N. Jackson Street
N. Jackson Street southbound at W. 10th Street
N. Jackson Street southbound at W. 4th Street
N. Union Street southbound at W. 2nd Street
N. Adams Street northbound at W. 9th Street
N. Adams Street northbound at W. 11th Street

Traffic Light Signal Violation Monitoring Program

2021



Violations

The fine for traffic light signal violations within the City of Wilmington is \$110. Under the City of Wilmington's program, notices are sent directly to the registered owner of the vehicle. The City offers motorists four convenient ways to pay their red light ticket. Tickets can be paid via U.S. mail, online at www.WilmingtonParkingTickets.com, in person by visiting the Customer Service Center on the 1st floor of the Louis L. Redding City/County Building, 800 North French Street, Wilmington, Delaware, between the hours of 8:30 a.m. and 5:00 p.m., or by telephone at 302-571-4320, option #4. Only Visa, MasterCard and Discover cards are accepted.

If a registered motorist has an outstanding ticket(s) and fails to respond to previous notices for a period of six months, a registration renewal for their vehicle license plate may be denied by the Delaware Division of Motor Vehicles (DMV), as noted in Title 21, §810 of the Delaware Code. All vehicles currently registered in the name of the motorist will be ineligible for registration renewal until all outstanding violations are paid.

Motorist can now use the payment kiosk at the DMV location at 2230 Hessler Blvd., New Castle, DE 19720 to conveniently pay any outstanding tickets owed to the City of Wilmington.

The hours of operations are:

Monday, Tuesday, Thursday & Friday – 8:00 a.m. until 4:30 p.m.

Wednesdays – 12 noon until 8:00 p.m. (DMV hours are subject to change due to Covid-19. Please check their website for updated hours)

Traffic light signal violations when issued by a police officer are a criminal offense, not a civil offense and the ticket issued is for \$198.00. These violations and fines do affect the motorist's insurance records and accumulate points on their driving record.

Red Light Camera violations are considered a civil offense, not criminal. These violations and fines do not affect the motorist's insurance records or accumulate points on their driving records.

Revenue / Expenses

The primary focus of the Traffic Light Signal Violation Monitoring System is the safety of motorists. Revenue has exceeded the expenditures associated with the program during this fiscal year.

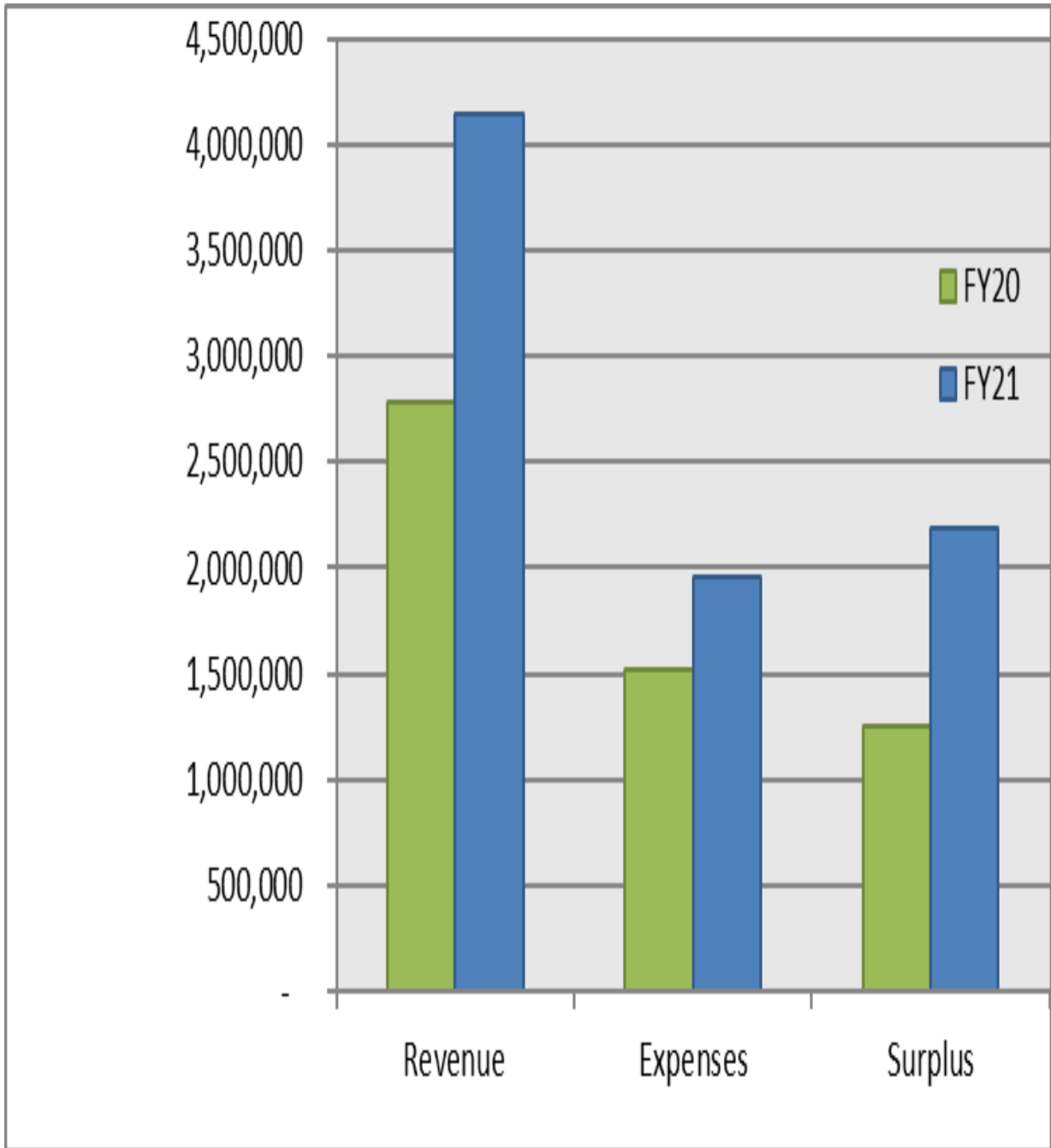
Year	Total Net Revenue	Conduent Expenses	Additional Expenses	Total Expenses	Total Program Net Surplus
FY20	2,778,116	1,405,778	355,803	1,761,582	1,016,534
FY21	4,145,568	1,547,841	409,575	1,957,416	2,188,152
Totals	6,923,684	2,953,619	765,378	3,718,998	3,204,686

Expenses incurred for the Traffic Light Signal Violation Monitoring System also includes operational costs from City departments that help manage the program and are listed in the “additional expenses.”

Number of Violations Issued

Year	Citations
Fiscal Year 2020	34,621
Fiscal Year 2021	54,360
Percentage Increase/Decrease	57.01% increase

FY20 and FY21 Combined Financial Data



Court Process

Appealing a Red-Light Ticket

Red light violations may be appealed within 21 days of the date the ticket was issued. Violations are mailed to the registered owner of the vehicle. The red-light ticket appeal process is administered by the City's Law Department and the City's contractor, Conduent State and Local Solutions Inc. Instructions for red light camera appeals are listed on the back of each violation.

Red light appeals are heard by the Justice of the Peace Court (JP Court) #20 of the State of Delaware. For questions regarding red light camera violations, motorists should contact Wilmington Automated Traffic Division, at 1-866-545-7441.

The registered owner will receive notification from the Court of the date and time of the appeal hearing.

Registered owners receiving a red-light violation can review a color digital video and full color images of the violation by logging onto www.public.cite-web.com. To view the video or images, the registered owner must enter their violation number and a PIN number, which can be found on the violation that was mailed to the address to which the vehicle is registered.

Affidavits

Pursuant to 21 Del Code §4101(d)(9), a registered vehicle owner may transfer responsibility for a violation by furnishing an affidavit that states the owner was not the operator of the vehicle at the time of the alleged violation and provide the name and address of the person or company who leased, rented or otherwise had control of the vehicle. If a registered owner identifies another driver as the violator on the affidavit, the identified driver has the same legal options as the registered owner; to either accept responsibility and pay the fine or challenge the violation in Court.

Delinquent Fine Payments

The fine for violating the red-light traffic law within the City of Wilmington is \$110. Late penalties are as follows:

- After 21 days, a \$10.00 penalty is applied
- After 45 days, an additional \$10.00 penalty is applied
- After 90 days, an additional \$10.00 penalty is applied
- Penalty maximum is \$30.00, which will bring the total amount to \$140.00 for tickets not paid within 90 days of issuance.

New Intersections

In FY 2020, DelDOT approved the City of Wilmington to expand the Traffic Light Signal Monitoring Program by adding sixteen new locations, but also eliminating five current locations. This was based on the review of crash data by DelDOT at the red-light camera monitored intersections.

Five (5) Cameras have been eliminated during FY21 due to improved safety statistics:

S. Heald Street southbound at D Street
N. Lincoln Street northbound at 9th Street
30th Street westbound at N. Market Street
Lancaster Avenue eastbound at DuPont Street
N. Union Street southbound at W. 4th Street

15 new cameras have been added during FY20 at 13 new intersections:

Martin Luther King, Jr. Boulevard westbound at Market Street
N. Walnut Street eastbound and northbound at E. 11th Street
SR 52 (Delaware Ave) westbound at N. Jackson Street
N. Jackson Street southbound at W. 10th Street
N. Walnut Street northbound at E. 4th Street (two cameras)
Martin Luther King, Jr. Boulevard eastbound at Madison Street / SR 4 (Maryland Ave)
N. Jackson Street / I-95 SB off-ramp southbound at W. 4th Street
N. Jackson Street southbound at W. 2nd Street **pending*
N. Broom Street southbound at W. 2nd Street
Delaware Avenue / W. 11th Street eastbound at N. Washington Street
W. 2nd Street westbound at N. Lincoln Street
W. 4th Street westbound at N. Lincoln Street
Martin Luther King, Jr. Boulevard eastbound at Monroe Street
N. Union Street southbound at W. 2nd Street

New cameras added in FY21

N. Adams Street northbound at W. 9th Street

N. Adams Street northbound at W. 11th Street

Report Recommendations for Fiscal Year 2021

Since the program's inception in 2001, the Traffic Light Signal Violation Monitoring System Program has demonstrated a significant reduction in the number of overall violations of running a red light or intersection crashes where red light cameras are installed. The City's primary focus remains reducing dangerous intersection crashes that typically cause injury or death.

The City recommends the following operational strategy for fiscal year 2021:

- Continuation of monthly meetings with key stakeholders to ensure program validity remains intact.
- Review and study sites based on crash data from City of Wilmington and DelDOT. Discuss and implement changes, as needed, to improve safety for motorist.
- Upgrade enforcement cameras from loops to digital cameras which have the capability to produce higher resolution, more sharply detailed images of vehicles and are equipped to prevent reflections or headlights from smearing the image.
- Continue monthly review of the "worst of the worst" red light violations, including crash data to better understand ways to improve safety for motorist.

RED LIGHT CAMERA FREQUENTLY ASKED QUESTIONS AND ANSWERS (Q & A)

<i>Questions</i>	<i>Answers</i>
1. Why are red light cameras permitted to operate in the City of Wilmington?	The State of Delaware authorizes the City of Wilmington to have a traffic light signal violation monitoring program. The red-light camera program operates in accordance with Wilmington City Code, Sec. 37-95(b). To read more information about red-light cameras in the City of Wilmington, visit the City’s website at www.wilmingtonde.gov and type in “red light cameras” in the search engine.
2. What is the fine for a red-light violation?	The initial fine is \$110. If not paid within 21 days, a \$10 penalty will be applied on days 21, 45 and 90 after the ticket issuance date. The maximum fine including penalties is \$140.
3. I do not believe my citation is valid. How do I dispute my citation?	A written appeal must be filed within 21 days of the initial notice. The written appeal must be sent to the City of Wilmington, P.O. Box 15404, Wilmington, DE, 19850-5404.
4. What happens after I appeal my citation?	You will be assigned a case by the State of Delaware Justice of the Peace (JP) Court #20. You will receive a summons via U.S. mail advising you of the date and time of your hearing. If you are found liable or plead responsible, you will be assessed a court cost of \$35.00 in addition to the amount of the ticket.
5. I was not driving the vehicle at the time of the violation. How do I appeal in this case?	You may submit a notarized affidavit to the City of Wilmington, providing the name and address of the person driving the vehicle at the time of the violation. The records will be updated to reflect this change. However, if the driver of the vehicle does not pay the citation, the owner of the vehicle is ultimately responsible for the outstanding ticket.

--	--

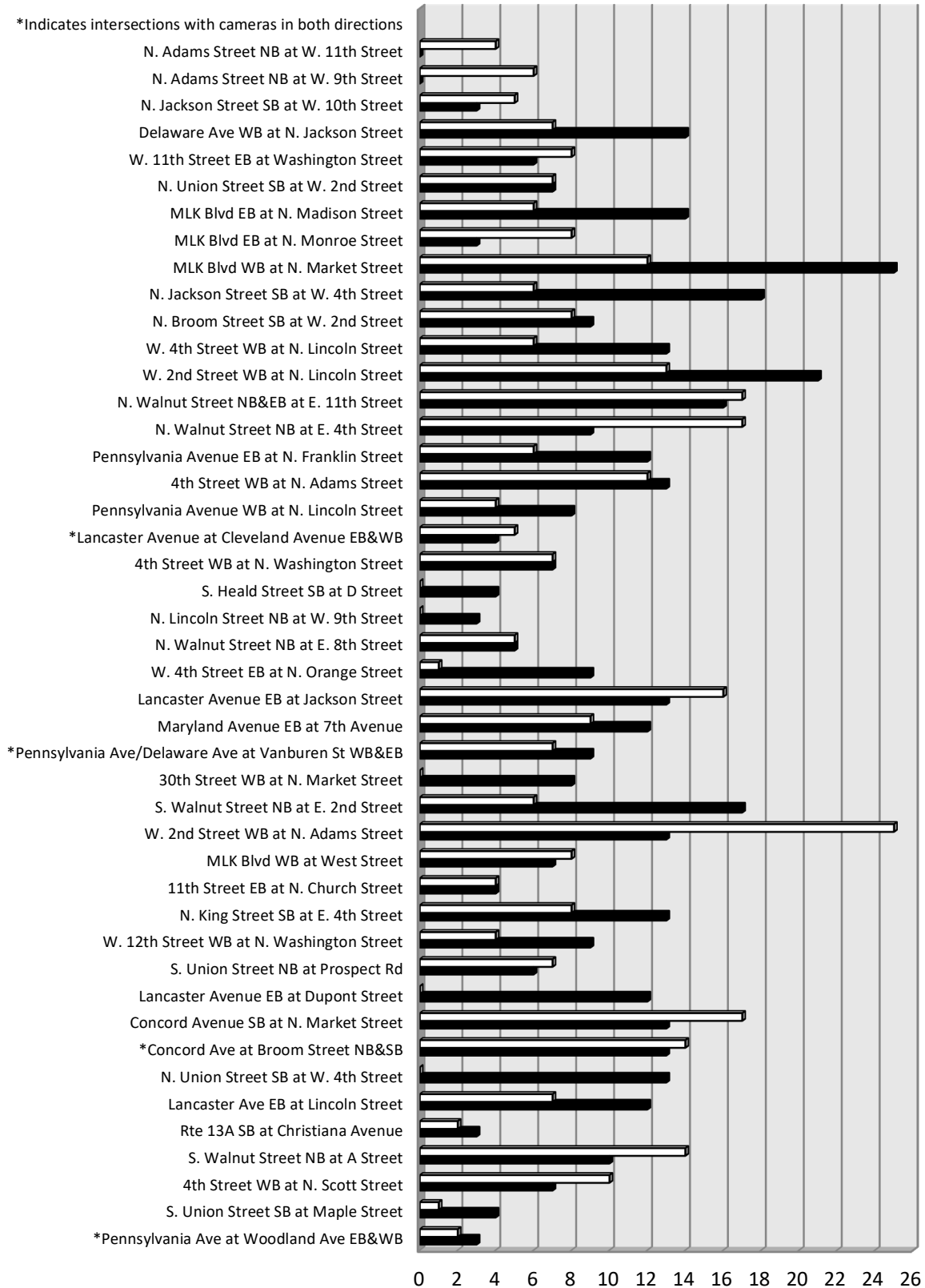
<p>6. A large truck was in front of me, and I did not see the light change. Why am I held responsible for a violation?</p>	<p>A responsible driver is expected to always maintain a safe distance behind any vehicle.</p>
<p>7. I stopped at the intersection. Why was a citation issued?</p>	<p>Vehicles must stop at a red light before entering the intersection. The intersection may be marked by a sign or a stop bar on the pavement.</p>
<p>8. I think I stopped at the light. Why did I receive a citation?</p>	<p>Each violation notice includes the website information to view a video of the violation. After viewing the video, you may either pay the fine or appeal the violation in JP Court.</p>
<p>9. I appealed a citation, but after receiving the summons, I would rather pay the fine instead of going to court. How should I proceed?</p>	<p>After a citation has been appealed, it is in the JP Court's jurisdiction. You may contact the court indicated on your summons and discuss payment options with the court.</p>
<p>10. How will a red-light violation affect my driving record and insurance?</p>	<p>Red light camera violations are civil offenses and, therefore are not reported to insurance companies. If the fine is not paid to the City of Wilmington, your ability to register a vehicle or renew a vehicle registration could be blocked until all fines are paid.</p> <p>If you appeal a violation with the Court and do not appear for your court date or do not fulfill a payment agreement with the Court, a judgment would be entered against you and your driver's license could be suspended.</p>

Appendix

Red Light Camera Locations Crash Data by Location- FY2021 - FY2020

□ 2021-331
■ 2020-422

*Indicates intersections with cameras in both directions



Red Light Camera FY20 Summary Report by Location

Pennsylvania Ave WB at Woodlawn Ave

Straight Thru Violations

967

Pennsylvania Ave EB at Woodlawn Ave

Straight Thru Violations

447

S. Union Street SB at Maple Street

Straight Thru Violations

2914

4th Street WB at N. Scott Street

Straight Thru Violations

0

S. Walnut Street NB at A Street

Straight Thru Violations

1640

Rt 13A SB at Christiana Ave

Straight Thru Violations

1120

Lancaster Ave EB at Lincoln Street

Straight Thru Violations

672

Red Light Camera FY20 Summary Report by Location (continued)

N. Union Street SB at W. 4th Street

Straight Thru Violations

258

Concord Ave NB at N. Broom Street

Straight Thru Violations

352

Lancaster Ave EB at Dupont Street

Straight Thru Violations

458

S. Union Street NB at Prospect Rd

Straight Thru Violations

999

W. 12th Street WB at N. Washington Street

Straight Thru Violations

257

N. King Street SB at E. 4th Street

Straight Thru Violations

1243

11th Street EB at N. Church Street

Straight Thru Violations

410

Red Light Camera FY20 Summary Report by Location (continued)

MLK Blvd WB at West Street

Straight Thru Violations

921

W. 2nd Street WB at N. Adams Street

Straight Thru Violations

244

Concord Ave SB at N. Broom Street

Straight Thru Violations

2079

Concord Ave SB at Market Street

Straight Thru Violations

125

30th Street WB at Market Street

Straight Thru Violations

241

Pennsylvania Ave EB at N. Van Buren Street

Straight Thru Violations

710

Delaware Ave WB at N. Van Buren Street

Straight Thru Violations

1254

Red Light Camera FY20 Summary Report by Location (continued)

Delaware Ave WB at N. Van Buren Street

Straight Thru Violations

1254

Maryland Ave EB at 7th Ave

Straight Thru Violations

1403

Lancaster Ave EB at Jackson Street

Straight Thru Violations

1253

W. 4th Street at N. Orange Street

Straight Thru Violations

930

N. Walnut Street NB at E. 8th Street

Straight Thru Violations

711

Lincoln Street NB at 9th Street

Straight Thru Violations

207

S. Heald Street SB at D Street

Straight Thru Violations

436

Red Light Camera FY20 Summary Report by Location (continued)

4th Street WB at N. Washington Street

Straight Thru Violations

1082

Lancaster Ave EB at Cleveland Ave

Straight Thru Violations

1156

Pennsylvania Ave WB at N. Lincoln Street

Straight Thru Violations

396

4th Street WB at Adams Street

Straight Thru Violations

568

Pennsylvania Ave EB at N. Franklin Street

Straight Thru Violations

1970

Lancaster Ave WB at S. Cleveland Ave

Straight Thru Violations

521

N. Walnut Street NB at E. 4th Street (camera 1)

Straight Thru Violations

58

Red Light Camera FY20 Summary Report by Location (continued)

N. Walnut Street NB at E. 4th Street camera 2)

Straight Thru Violations

305

N. Walnut Street NB at E. 11th Street

Straight Thru Violations

842

E. 11th Street EB at N. Walnut Street

Straight Thru Violations

475

N. Broom Street SB at W. 2nd Street

Straight Thru Violations

166

W. 11th Street WB at Washington Street

Straight Thru Violations

293

N. Walnut Street NB at E. 2nd Street

Straight Thru Violations

1036

W. 2nd Street WB at N. Lincoln Street

Straight Thru Violations

767

Red Light Camera FY20 Summary Report by Location (continued)

W. 4th Street WB at N. Lincoln Street

Straight Thru Violations

341

MLK Blvd WB at N. Market Street

Straight Thru Violations

668

MLK Blvd EB at N. Monroe Street

Straight Thru Violations

272

MLK Blvd EB at N. Madison Street

Straight Thru Violations

256

Delaware Ave WB at N. Jackson Street

Straight Thru Violations

431

N. Jackson Street SB at W. 10th Street

Straight Thru Violations

221

N. Jackson Street SB at W. 4th Street

Straight Thru Violations

453

Red Light Camera FY20 Summary Report by Location (continued)

N. Union Street SB at W. 2nd Street

Straight Thru Violations

93

Total 34,621

**Straight Thru Violations includes left turns on red

Red Light Camera FY21 Summary Report by Location

Pennsylvania Ave WB at Woodlawn Ave

Straight Thru Violations

704

Pennsylvania Ave EB at Woodlawn Ave

Straight Thru Violations

438

S. Union Street SB at Maple Street

Straight Thru Violations

2087

4th Street WB at N. Scott Street

Straight Thru Violations

1090

S. Walnut Street NB at A Street

Straight Thru Violations

1195

Rt 13A SB at Christiana Ave

Straight Thru Violations

998

Lancaster Ave EB at Lincoln Street

Straight Thru Violations

1136

Red Light Camera FY21 Summary Report by Location (continued)

Concord Ave NB at N. Broom Street

Straight Thru Violations

659

S. Union Street NB at Prospect Rd

Straight Thru Violations

1407

W. 12th Street WB at N. Washington Street

Straight Thru Violations

298

N. King Street SB at E. 4th Street

Straight Thru Violations

835

11th Street EB at N. Church Street

Straight Thru Violations

241

MLK Blvd WB at West Street

Straight Thru Violations

498

W. 2nd Street WB at N. Adams Street

Straight Thru Violations

1587

Red Light Camera FY21 Summary Report by Location (continued)

Concord Ave SB at N. Broom Street

Straight Thru Violations

2316

Concord Ave SB at Market Street

Straight Thru Violations

699

Pennsylvania Ave EB at N. Van Buren Street

Straight Thru Violations

2001

Delaware Ave WB at N. Van Buren Street

Straight Thru Violations

834

Maryland Ave EB at 7th Ave

Straight Thru Violations

1156

Lancaster Ave EB at Jackson Street

Straight Thru Violations

2153

W. 4th Street at N. Orange Street

Straight Thru Violations

483

Red Light Camera FY21 Summary Report by Location (continued)

W. 4th Street at N. Orange Street

Straight Thru Violations

483

N. Walnut Street NB at E. 8th Street

Straight Thru Violations

3201

4th Street WB at N. Washington Street

Straight Thru Violations

941

Lancaster Ave EB at Cleveland Ave

Straight Thru Violations

595

Pennsylvania Ave WB at N. Lincoln Street

Straight Thru Violations

490

4th Street WB at Adams Street

Straight Thru Violations

542

Pennsylvania Ave EB at N. Franklin Street

Straight Thru Violations

2399

Red Light Camera FY21 Summary Report by Location (continued)

Lancaster Ave WB at S. Cleveland Ave

Straight Thru Violations

455

N. Walnut Street NB at E. 4th Street (camera 1)

Straight Thru Violations

310

N. Walnut Street NB at E. 4th Street camera 2)

Straight Thru Violations

1538

N. Walnut Street NB at E. 11th Street

Straight Thru Violations

1753

E. 11th Street EB at N. Walnut Street

Straight Thru Violations

404

N. Broom Street SB at W. 2nd Street

Straight Thru Violations

311

W. 11th Street WB at Washington Street

Straight Thru Violations

904

Red Light Camera FY21 Summary Report by Location (continued)

N. Walnut Street NB at E. 2nd Street

Straight Thru Violations

2287

W. 2nd Street WB at N. Lincoln Street

Straight Thru Violations

975

W. 4th Street WB at N. Lincoln Street

Straight Thru Violations

264

MLK Blvd WB at N. Market Street

Straight Thru Violations

5797

MLK Blvd EB at N. Monroe Street

Straight Thru Violations

1297

MLK Blvd EB at N. Madison Street

Straight Thru Violations

1224

Delaware Ave WB at N. Jackson Street

Straight Thru Violations

1814

Red Light Camera FY21 Summary Report by Location (continued)

N. Jackson Street SB at W. 10th Street

Straight Thru Violations

845

N. Jackson Street SB at W. 4th Street

Straight Thru Violations

589

N. Union Street SB at W. 2nd Street

Straight Thru Violations

724

N. Adams Street NB at W. 9th Street

Straight Thru Violations

1767

N. Adams Street NB at W. 11th Street

Straight Thru Violations

119

Total 54,357

**Straight Thru Violations includes left turns on red

MOST IMPROVED Intersections



Martin Luther King Blvd & Market Street

(Fiscal Year 2020 – 25 accidents / Fiscal Year 2021 – 12 accidents)

2nd Street & Walnut Street

(Fiscal year 2020 – 17 accidents/ Fiscal Year 2021 – 6 accidents)

4th Street & Jackson Street

(Fiscal Year 2020 – 18 accidents / Fiscal Year 2021- 6 accidents)

**GREATEST INCREASE in number of crashes at
an intersection**



2nd Street & Adams Street

Fiscal Year 2020 – 13 accidents

Fiscal Year 2021 – 25 accidents

**GREATEST INCREASE in number of crashes at
an intersection**

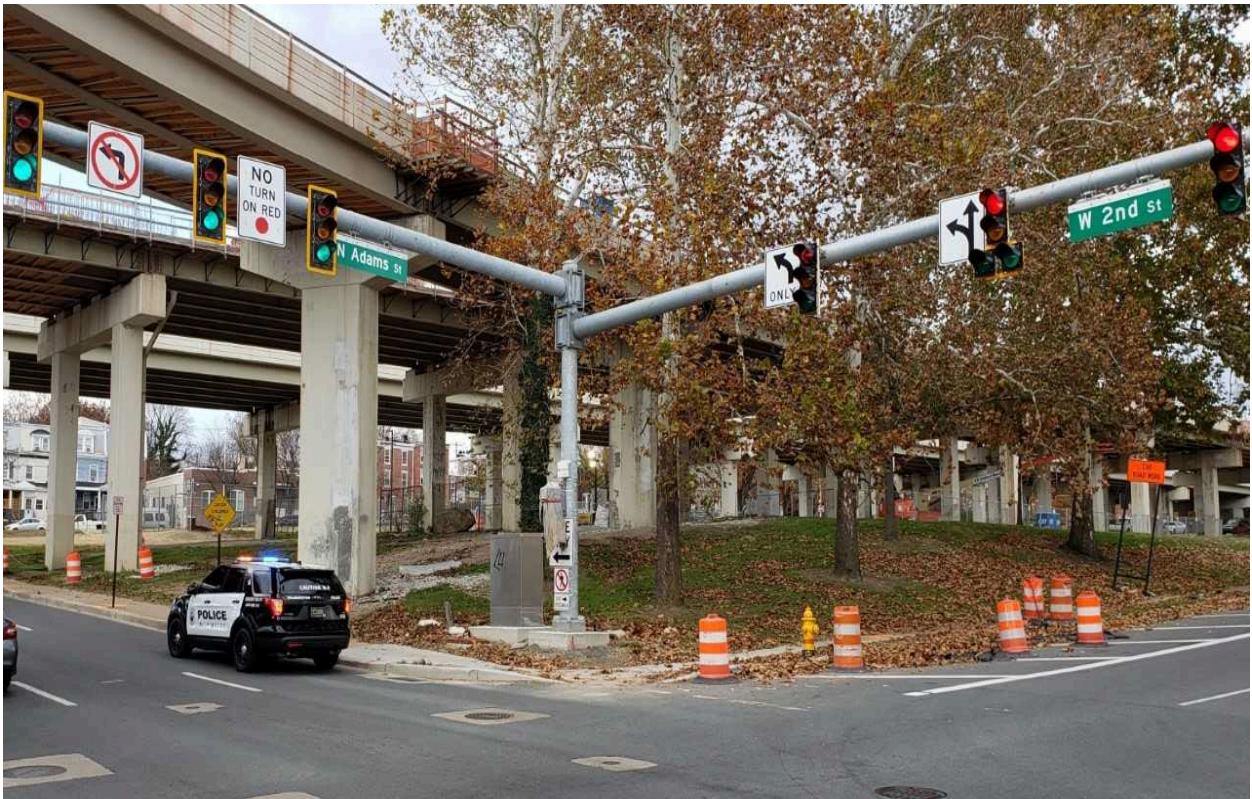


4th Street & Walnut Street

Fiscal Year 2020 – 9 accidents

Fiscal Year 2021– 17 accidents

MOST ACCIDENTS at a red light intersection



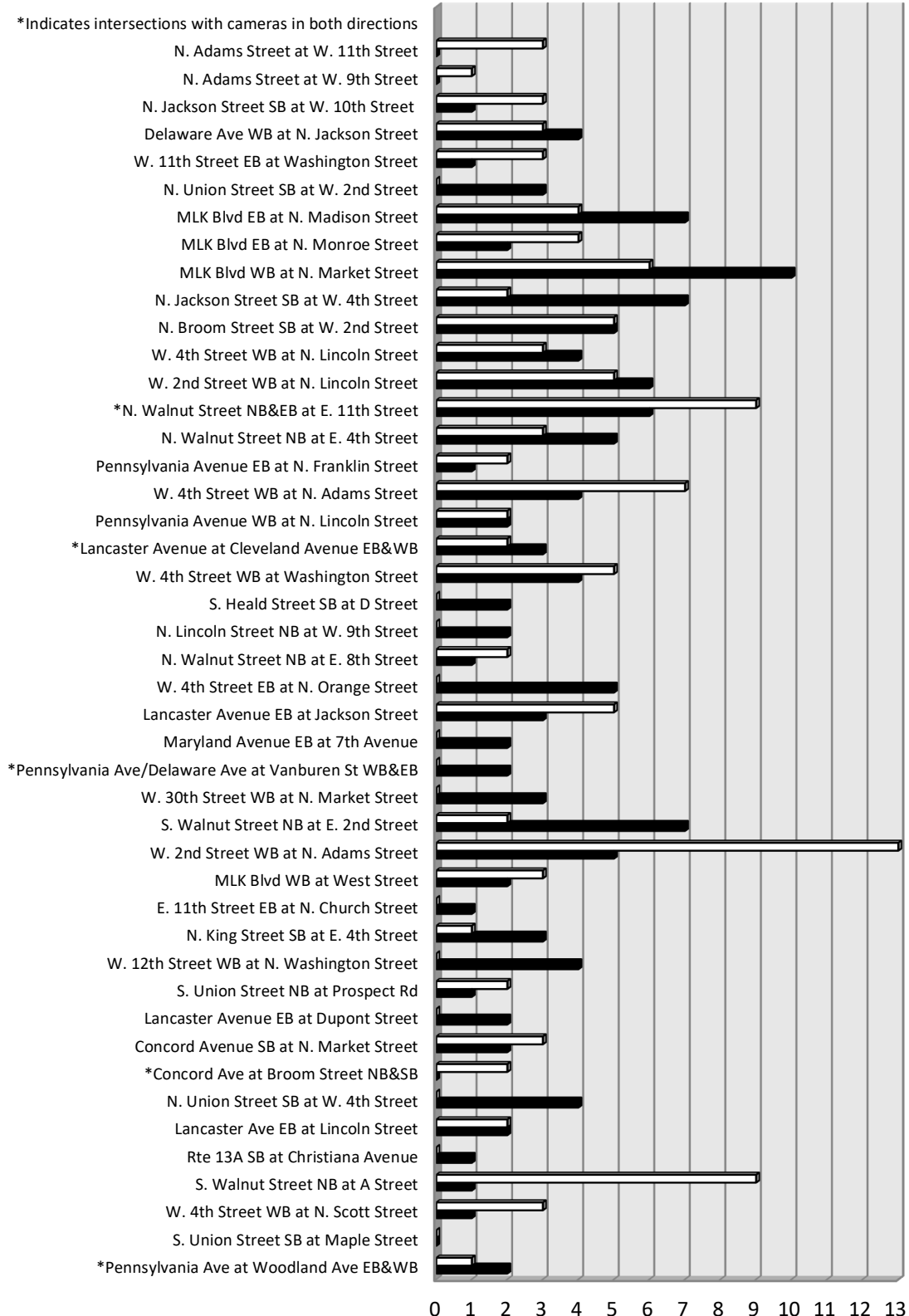
2nd Street & Adams Street

Fiscal Year 2021 – 25 accidents

Angle Crashes by Location -FY2021 -FY2020

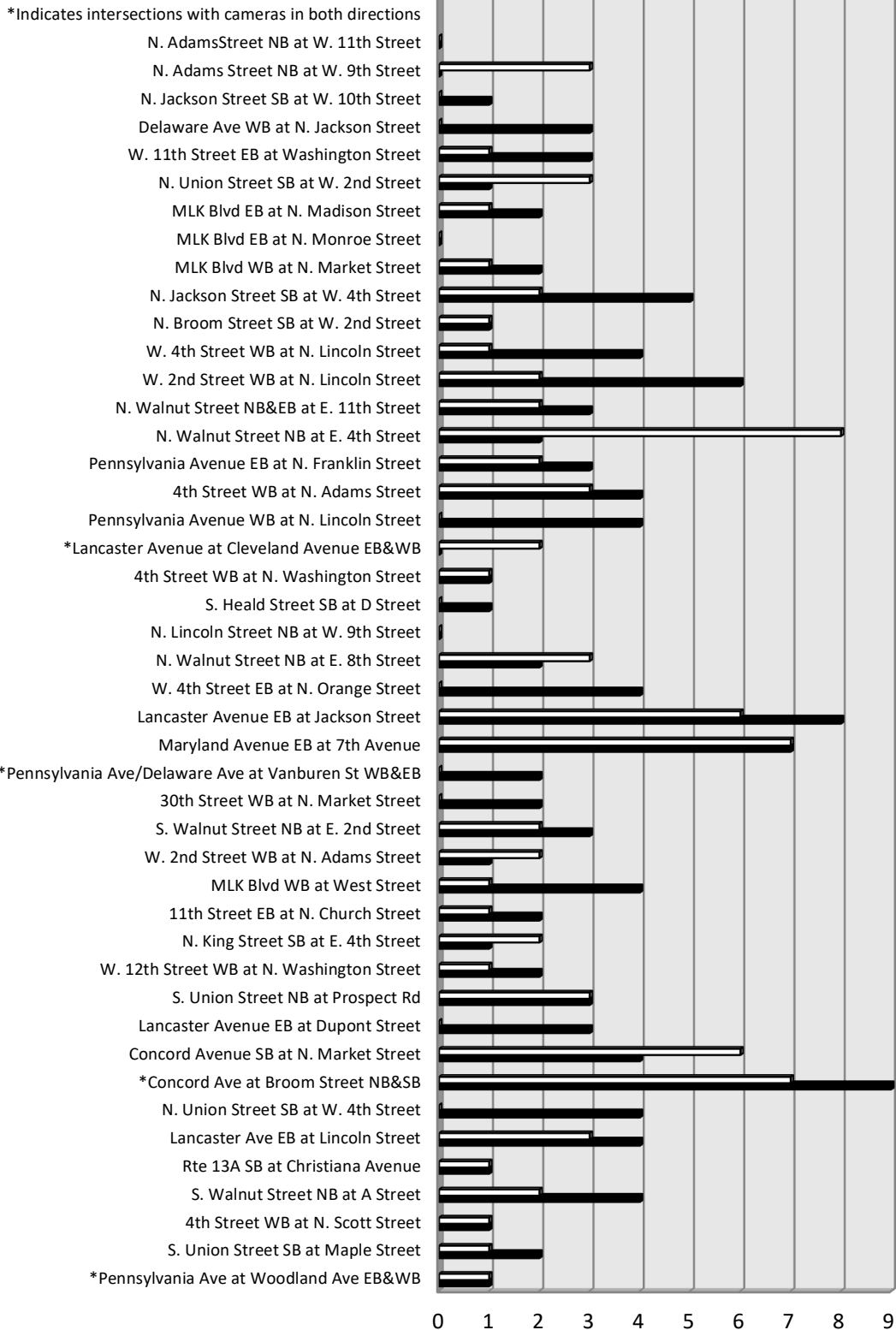
□ 2021-120

■ 2020-133



Rear End Crashes by Location- FY2021 - FY2020

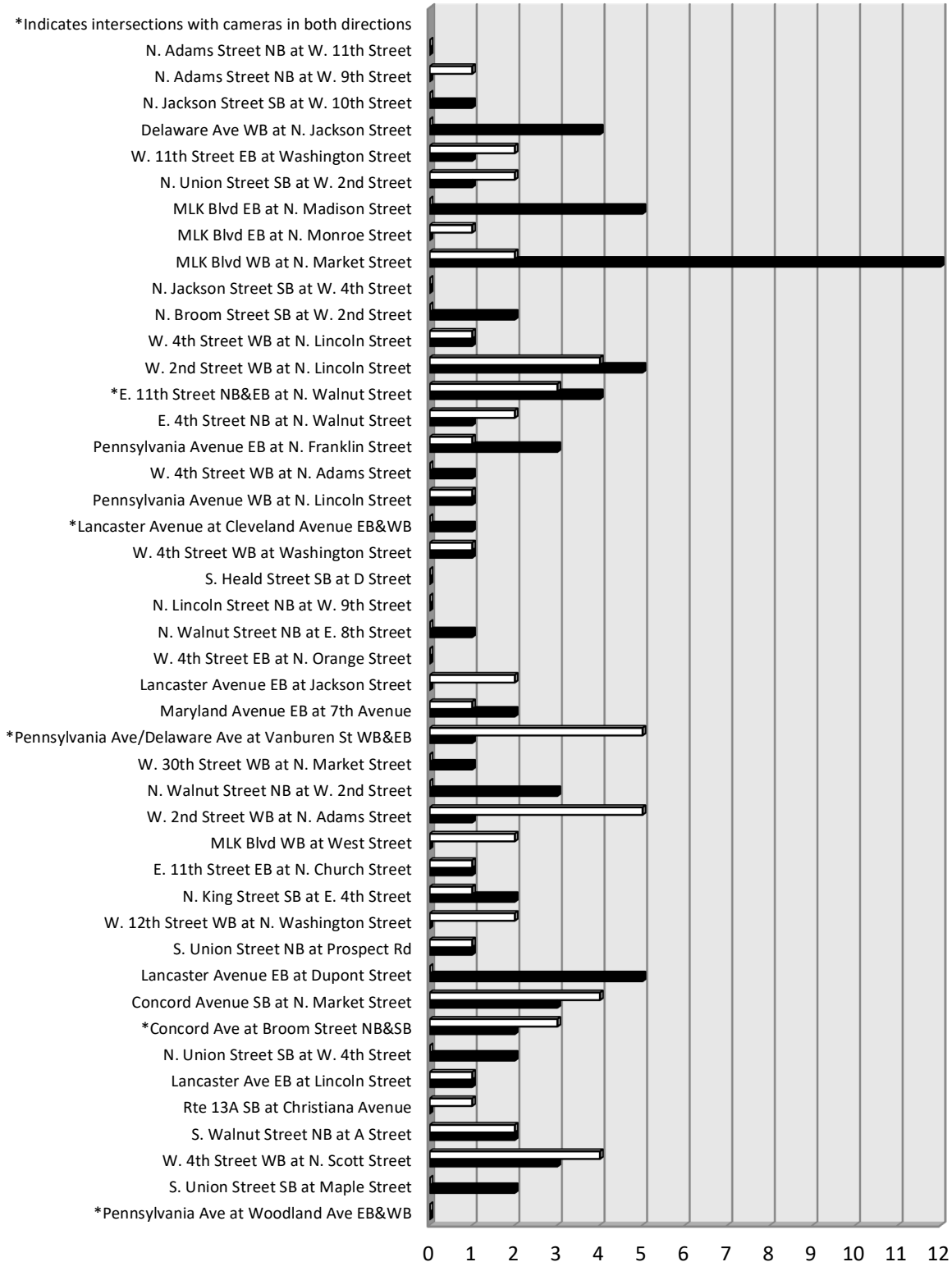
□ 2021-83
 ■ 2020-119



Side Swipe Crashes by Location -FY2021 -FY2020

□ 2021-56
 ■ 2020-79

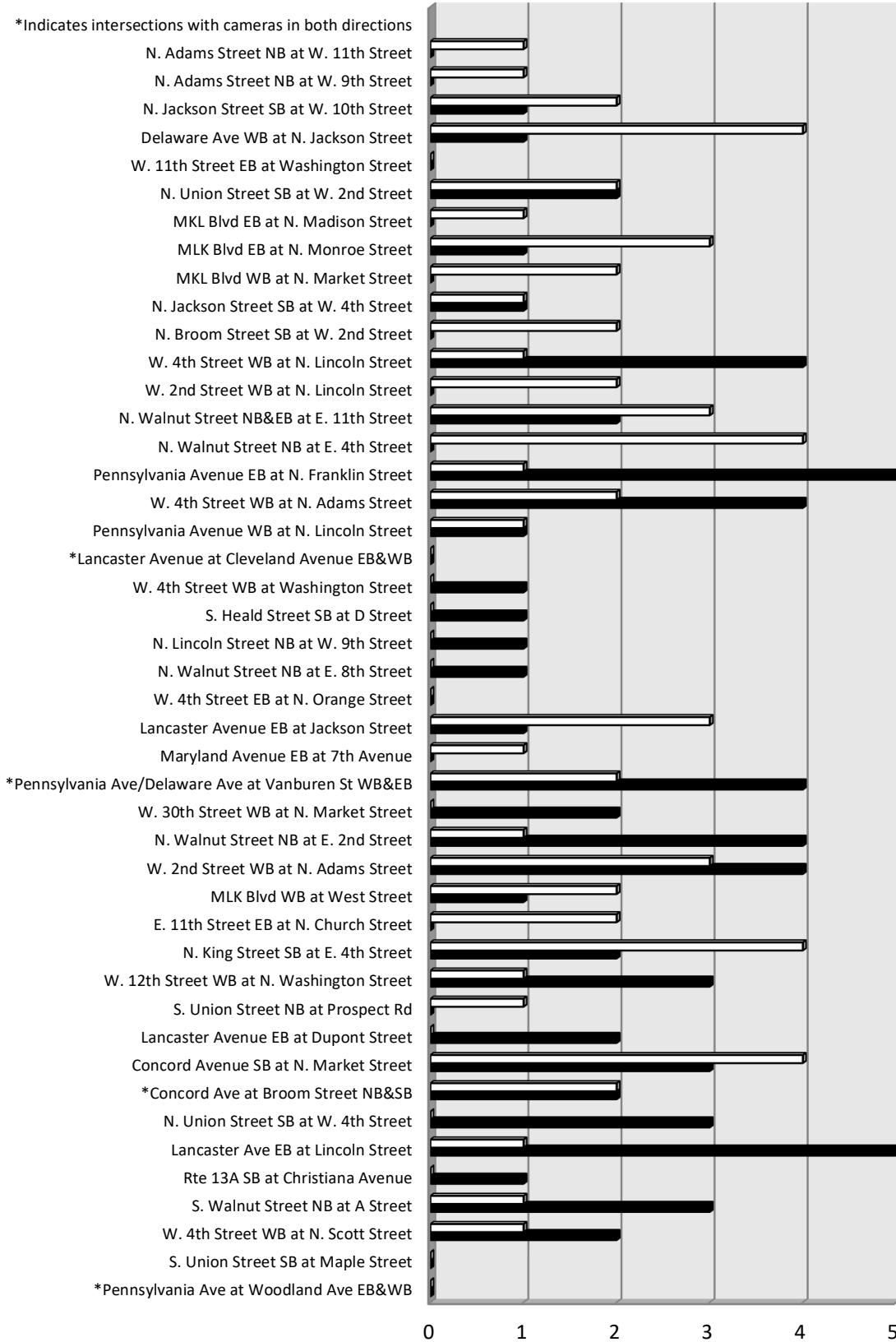
*Indicates intersections with cameras in both directions



Traffic Light Signal Violation Monitoring Program 2021

Other Crash Types by Location -FY2021 -FY2020 (Fixed Object, Front, Unknown)

□ 2021-62
■ 2020-73

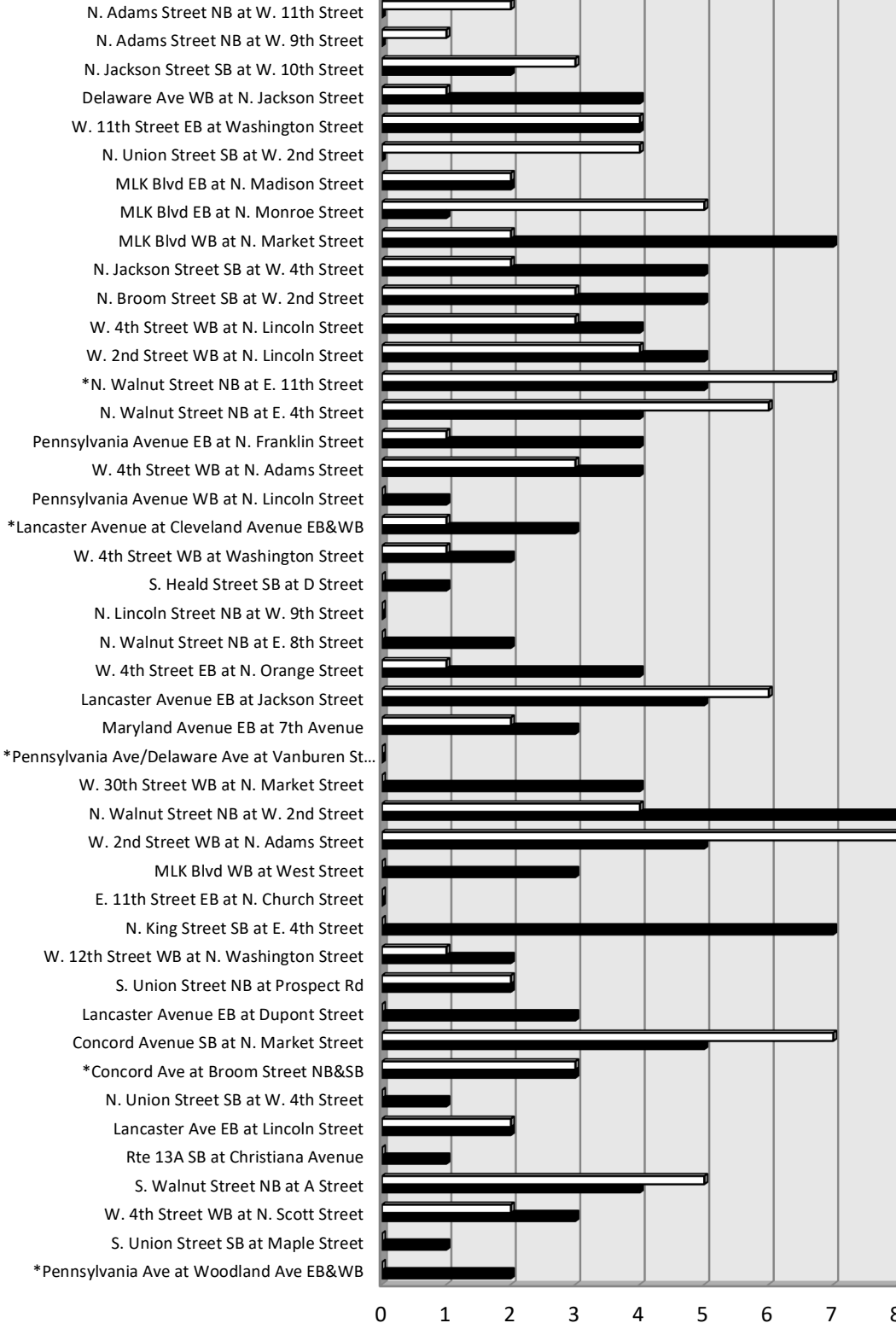


Personal Injury Crashes by Location- FY2021 - FY2020

□ 2021-100

■ 2020-132

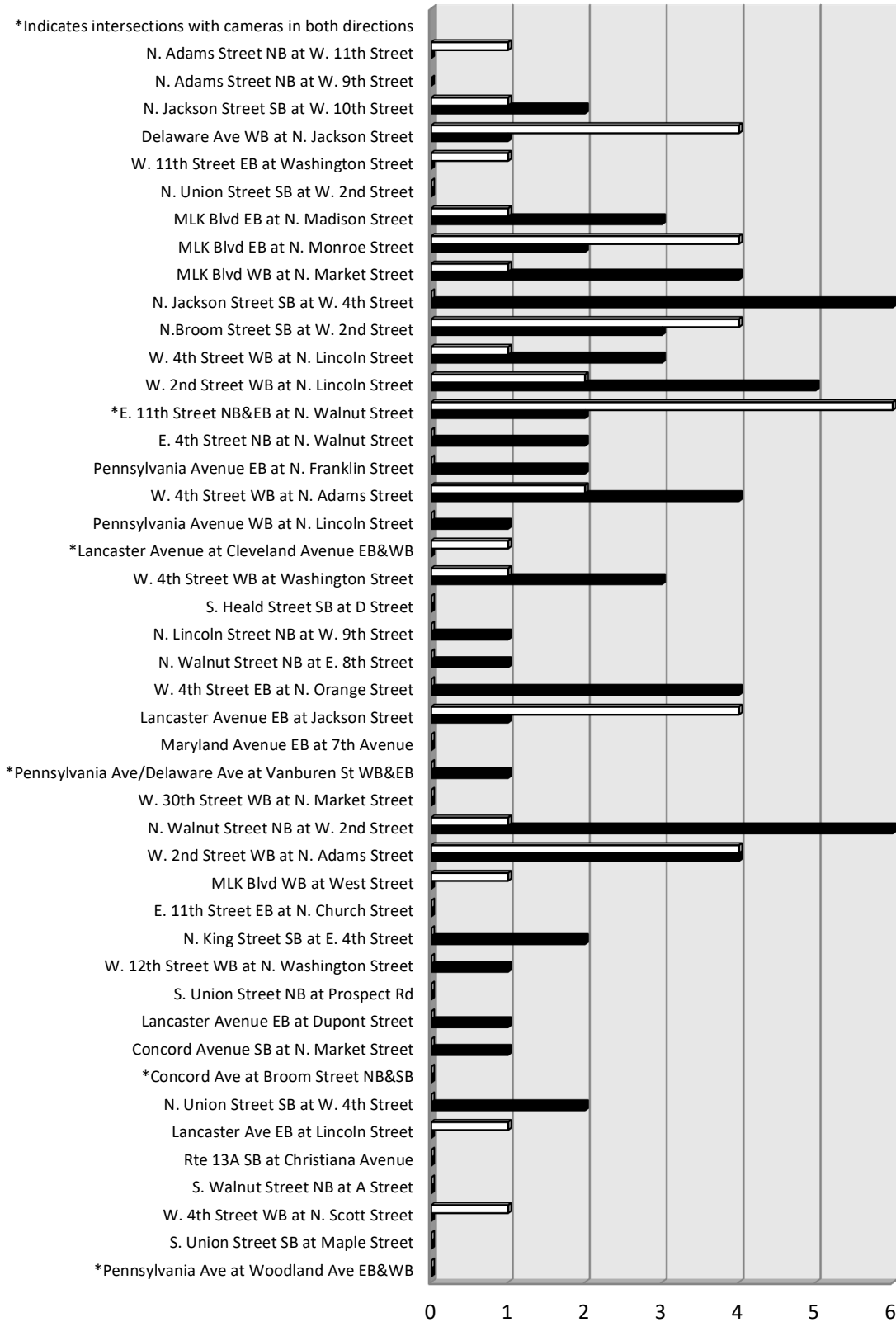
*Indicates intersections with cameras in both directions



Red Light Running Crashes by Location -FY2021 -2020

□ 2021-43

■ 2020-68

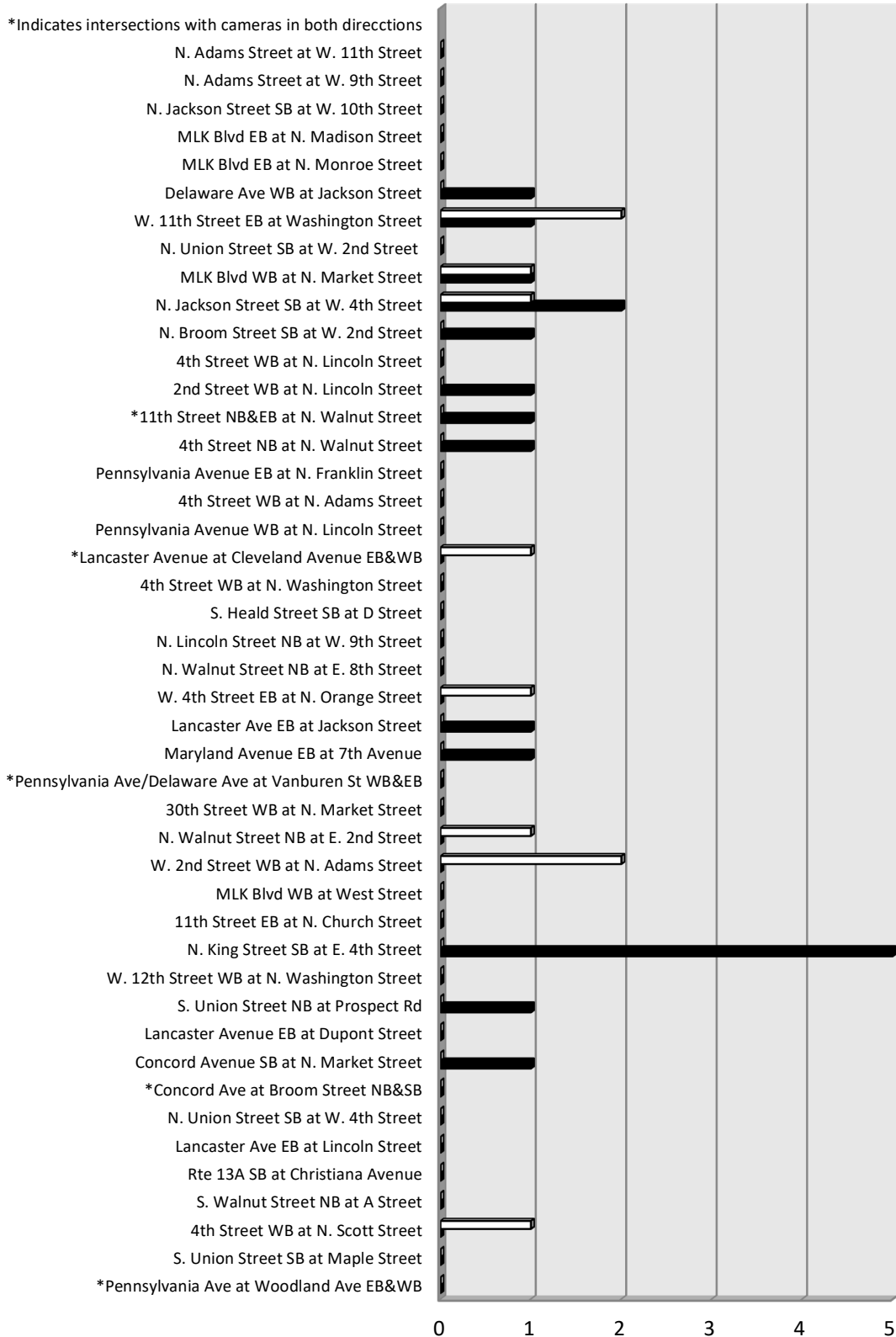


Pedestrian Crashes by Location- FY2021 - FY2020

□ 2021-10

■ 2020-18

*Indicates intersections with cameras in both directions



Thank You