

Automated Photo Enforcement Annual Report 2019

Automated Photo Enforcement Program
Sustainable Streets Division
San Francisco Municipal Transportation Agency

May 1, 2020



In accordance with California Vehicle Code (CVC) section 21455.5(i), the San Francisco Municipal Transportation Agency, in cooperation with the agency's automated photo enforcement vendor, Verra Mobility, is submitting this Automated Photo Enforcement Program Annual Report for 2019. This Annual Report contains the following information:

- 1. The number of alleged violations captured by the automated photo enforcement system:** The system captured 16,125 alleged violations in 2019, as shown in the table on page 4.
- 2. The number of citations issued by a law enforcement agency based on information collected from the automated traffic enforcement system:** In 2019, law enforcement issued 8,410 citations based on information collected from the system, as shown in the table on page 4. The listed number includes warning notices issued for violations captured within the first 30 days of operation for each site as required by CVC21455.5(b).
- 3. For citations identified in item #2, the number of violations that involved traveling straight through the intersection, turning right, and turning left:** Of the 8,410 citations issued by law enforcement in 2019, 2,154 citations were issued for vehicles traveling straight through, 4,349 citations were issued for vehicles turning right, and 1,907 citations were issued for vehicles turning left.

At the intersection of 4th Street, Harrison Street, and the I-80 West freeway on-ramp, citations issued to vehicles traveling from southbound 4th Street to the I-80 West freeway on-ramp have been categorized as right turns. Similarly, citations issued to vehicles travelling from westbound Harrison street to the I-80 West freeway on-ramp have been categorized as left turns. The geometry of this intersection is such that movements to the I-80 West freeway on-ramp require only a slight right or left turn and cannot legally be made against a red signal indication. As such these movements would be more accurately characterized as through movements. Of the 4,349 citations issued for vehicles turning right are 3,872 citations issued for vehicles on 4th Street, southbound, turning right to Harrison Street or traveling through to the I-80 West freeway on-ramp. Of the 1,907 citations issued for vehicles turning left, 1,549 of those citations were issued for vehicles traveling on Harrison Street, westbound, turning left to 4th Street or travelling through to the I-80 West freeway on-ramp. The SFMTA and its Photo Enforcement vendor, Verra Mobility, have taken steps to more accurately categorize these movements for future year reports.

- 4. The number and percentage of citations dismissed by the court:** The Traffic Division of the Superior Court of San Francisco is unable to provide this information using their current case management system installed at the end of 2015. This system is unable to produce a report that isolates automated photo enforcement citation dismissals. The SFMTA will submit a revised annual report if this data becomes available from the Traffic Division.

- 5. The number of traffic collisions at each intersection that occurred prior to, and after the installation of, the automated traffic enforcement system:** Beginning on page 5 are charts showing the number of injury CVC 21453(a) collisions for the most recent 10-year period at each intersection using automated enforcement for red light violations. CVC 21453(a) is the state code that defines red light violations. The charts reflect the number of crashes that were coded as having a primary collision factor of violation of CVC 21453(a).

On page 16 is a chart showing the number of injury CVC 22101(d) collisions for the most recent 10-year period at the intersection of Market Street and Octavia Boulevard where automated enforcement is used to enforce violations of a posted NO RIGHT TURN regulation. CVC 22101(d) is the state code that defines failure of a driver to obey a posted traffic control device such as a NO RIGHT TURN sign. The chart reflects the number of crashes that were coded as having a primary collision factor of violation of CVC 22101(d).

Collision data for years prior to 2010 is available in previous SFMTA Automated Photo Enforcement Annual Reports. The SFMTA considers collision data older than 2010 to be not relevant at locations where systems have been in operation for more than 10 years. Traffic patterns, signal design, and other factors that affect red light violation behavior may have changed significantly since the San Francisco program started in the 1990s. These changes have been evaluated over time by SFMTA to select which locations to discontinue and which to keep in operation today.

In 2019 the SFMTA undertook an effort to upgrade the program's automated enforcement system with state-of-the-art equipment. Eight intersections that were previously enforced were upgraded with new automated enforcement equipment, and four intersections are newly enforced. Twelve former automated enforcement locations were deactivated by December 31, 2018.

Intersections upgraded with new equipment:

- 1) 6th St and Bryant St (eastbound, southbound)
- 2) 19th Ave and Sloat Blvd (northbound, southbound)
- 3) Fell St and Masonic Ave (westbound)
- 4) Hayes St and Polk St (southbound, westbound)
- 5) Market St and Octavia Blvd (eastbound illegal right turns)
- 6) Oak St and Octavia Blvd (eastbound, northbound, eastbound right-turn lanes newly enforced)
- 7) Park Presidio Blvd and Lake St (southbound)
- 8) So. Van Ness Ave and 14th St (northbound)

Intersections newly enforced:

- 9) 4th St and Harrison St (southbound, westbound)
- 10) 6th St and Folsom St (southbound)
- 11) 8th St and Folsom St (southbound)
- 12) Divisadero St and Bush St (northbound)

Formerly enforced intersections which were deactivated by December 31, 2018:

- 1) 1st St and Folsom St
- 2) 3rd St and Harrison St
- 3) 4th St and Howard St
- 4) 5th St and Harrison St
- 5) 5th St and Howard St
- 6) 5th St and Mission St
- 7) 7th St and Mission St
- 8) 8th St and Harrison St
- 9) 9th St and Howard St
- 10) 15th St and Mission St
- 11) Ellis St and Larkin St
- 12) Pine St and Polk St

2019 AUTOMATED PHOTO ENFORCEMENT VIOLATIONS AND CITATIONS

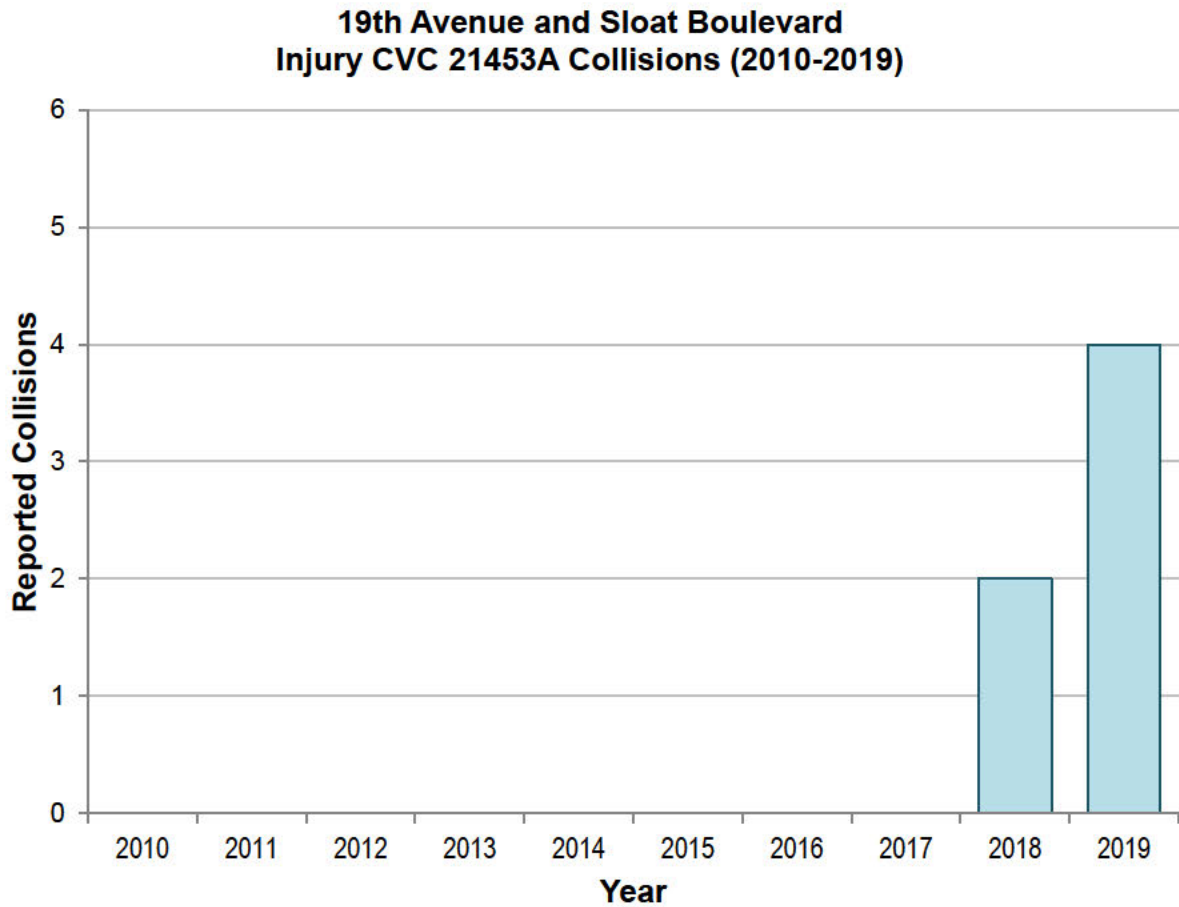
2019	Alleged Violations Captured	Number of Citations Issued¹	Number of Citations Dismissed by the Court
January ²	0	0	data not available
February ²	0	0	data not available
March ²	0	0	data not available
April ²	0	0	data not available
May	1,692	1,227	data not available
June	1,723	846	data not available
July	1,727	999	data not available
August	1,739	917	data not available
September	2,475	1,554	data not available
October	2,604	1,153	data not available
November	2,488	1,137	data not available
December	1,677	577	data not available
2019 Totals:	16,125	8,410	data not available

¹ Citation numbers shown in this column include warning notices issued within the first 30 days of operation for each new site as required by CVC 21455.5(b)

² No violations were captured during the indicated month due to construction of the upgraded Automated Enforcement System equipment

RED LIGHT RUNNING (CVC 21453A) INJURY CRASHES AT PHOTO ENFORCED INTERSECTIONS

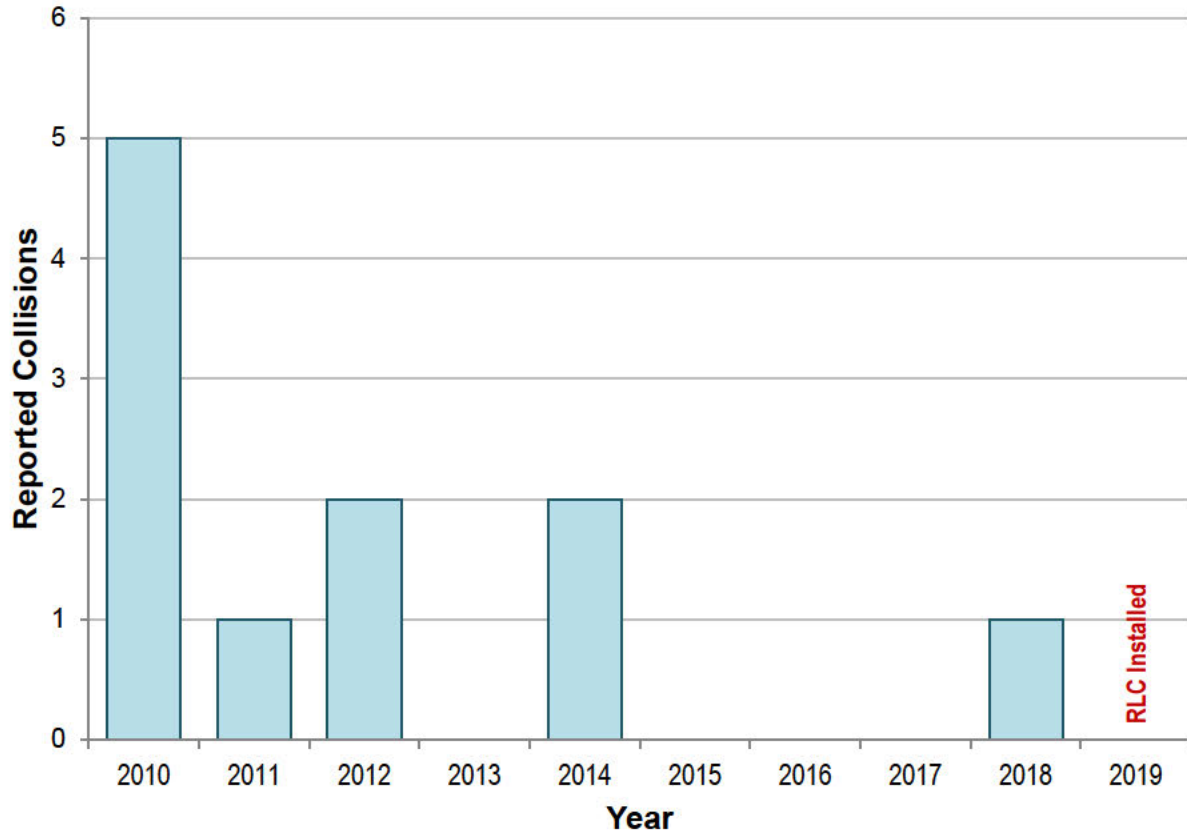
19th Avenue and Sloat Boulevard



Automated red light enforcement was installed at 19th Avenue and Sloat Boulevard in 1998.

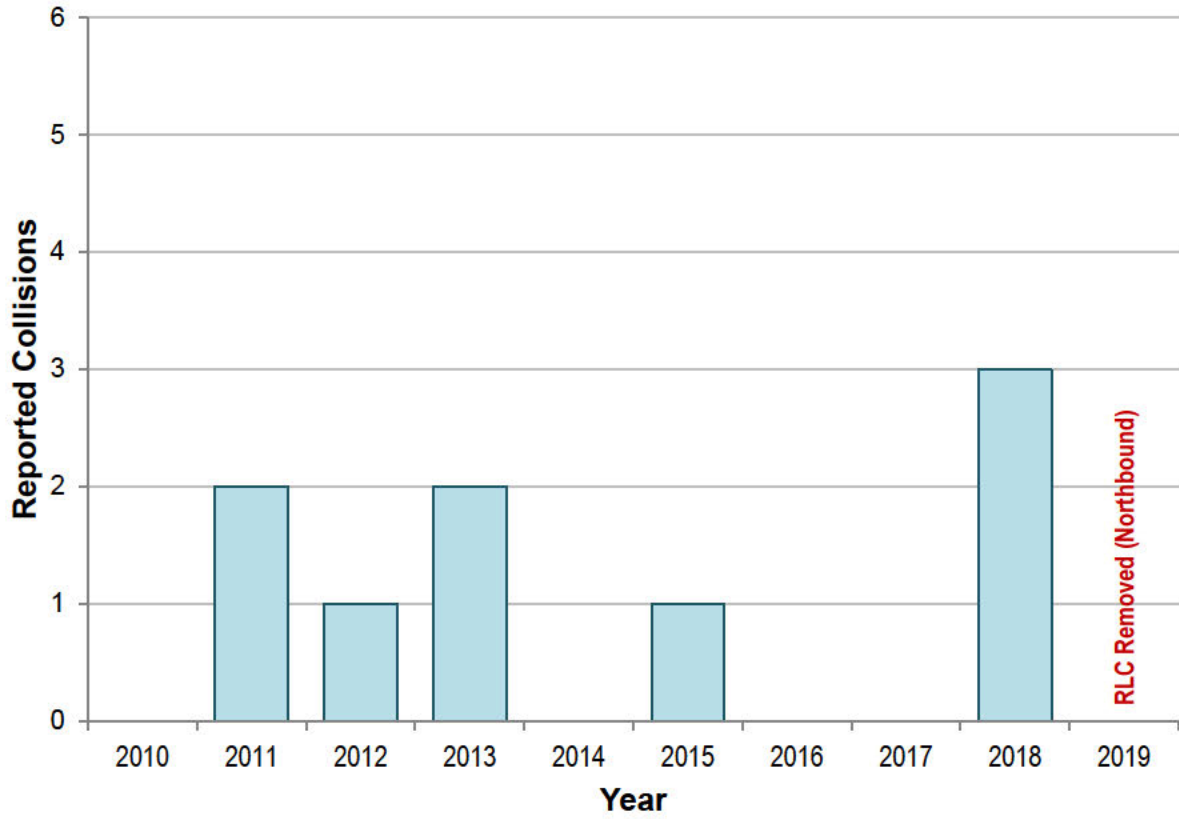
4th and Harrison Streets

4th and Harrison Streets
Injury CVC 21453A Collisions (2010-2019)



6th and Bryant Streets

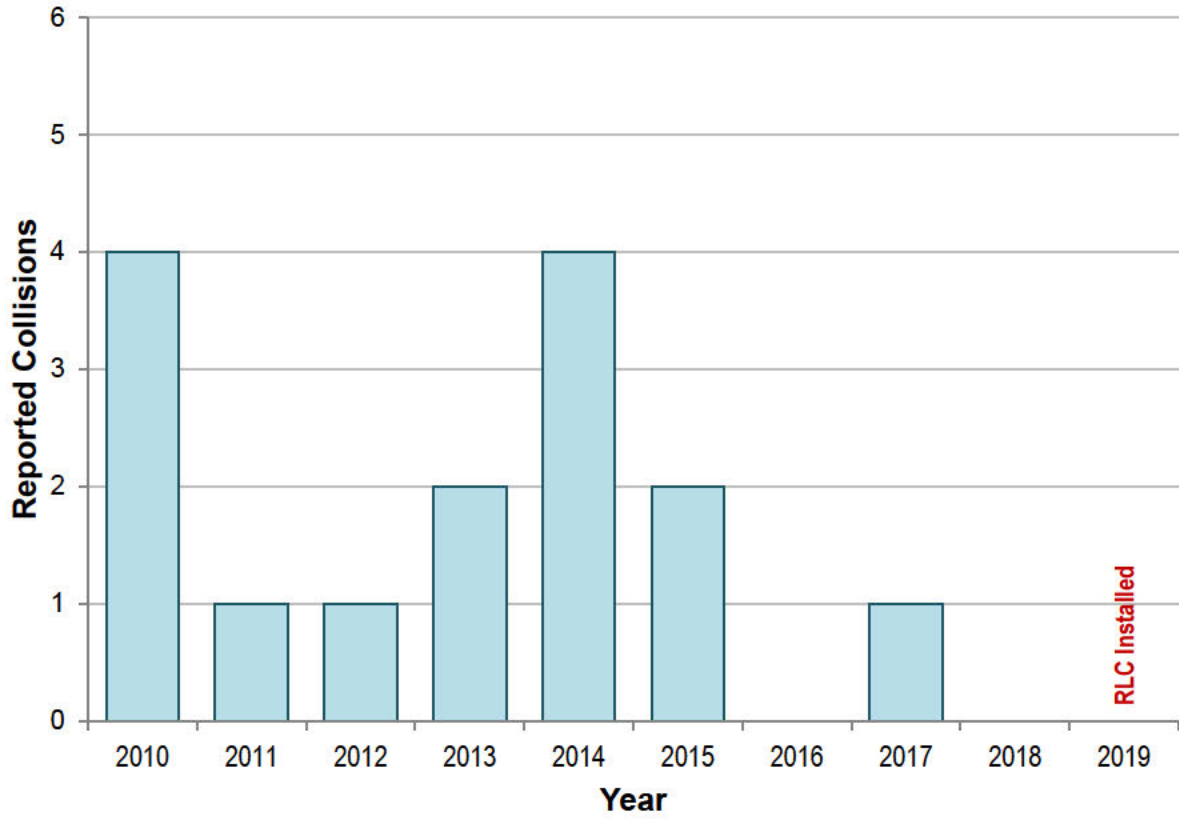
6th and Bryant Streets
Injury CVC 21453A Collisions (2010-2019)



Automated red light enforcement was installed at 6th and Bryant Streets for northbound traffic in 1999 and southbound and eastbound traffic in 2000.

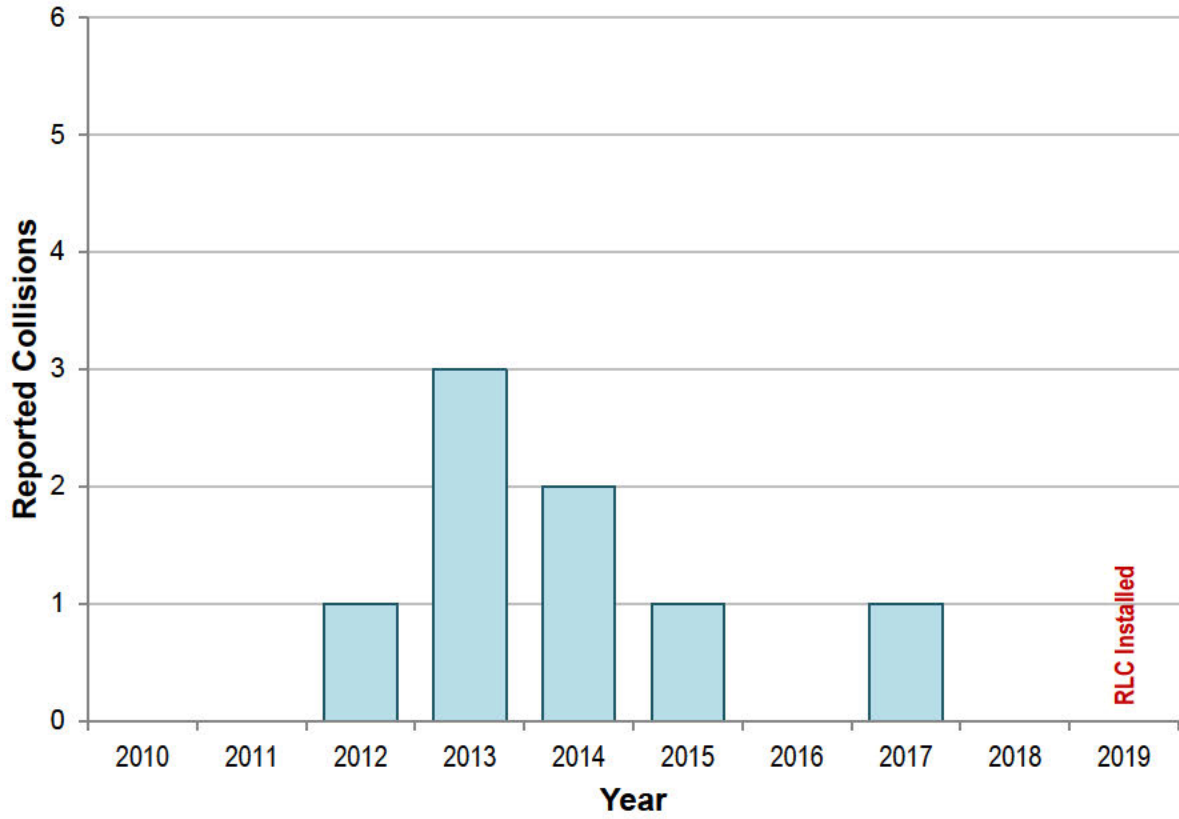
6th and Folsom Streets

**6th and Folsom Streets
Injury CVC 2143A Collisions (2010-2019)**



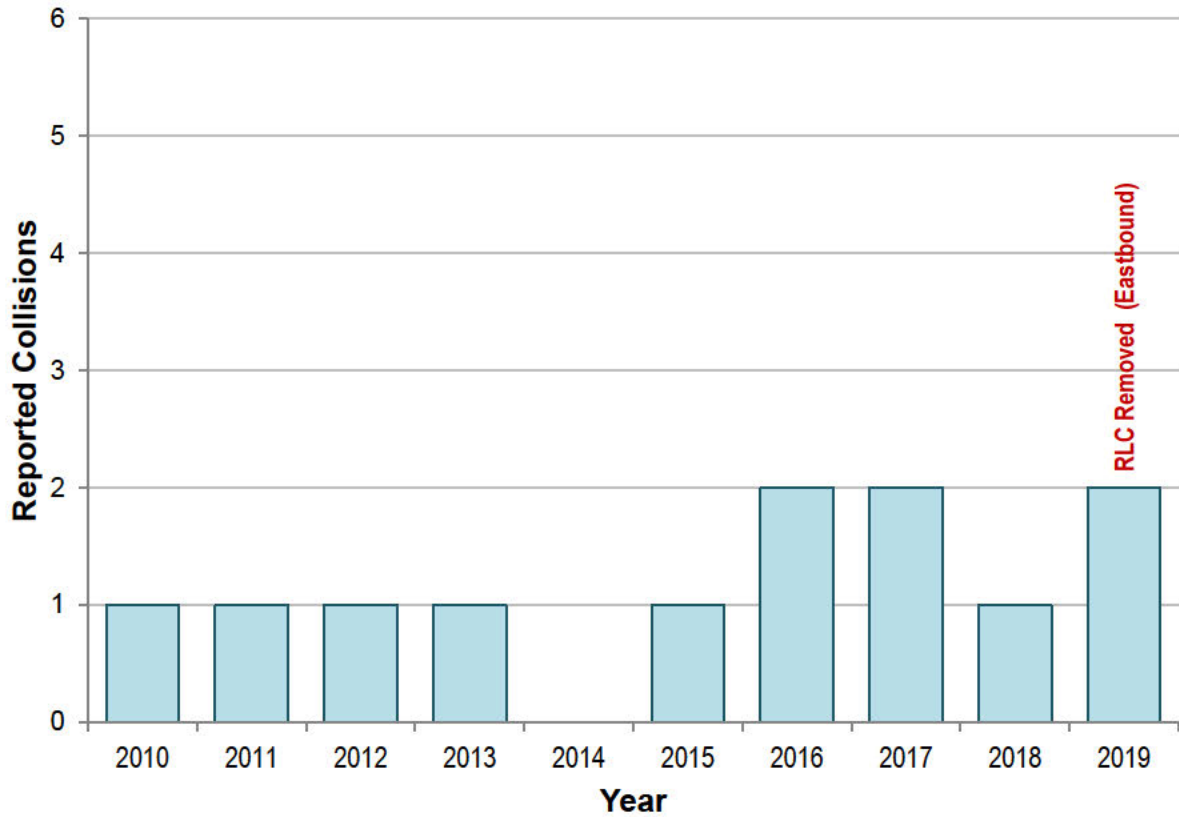
8th and Folsom Streets

**8th and Folsom Streets
Injury CVC 2143A Collisions (2010-2019)**



14th Street and South Van Ness Avenue

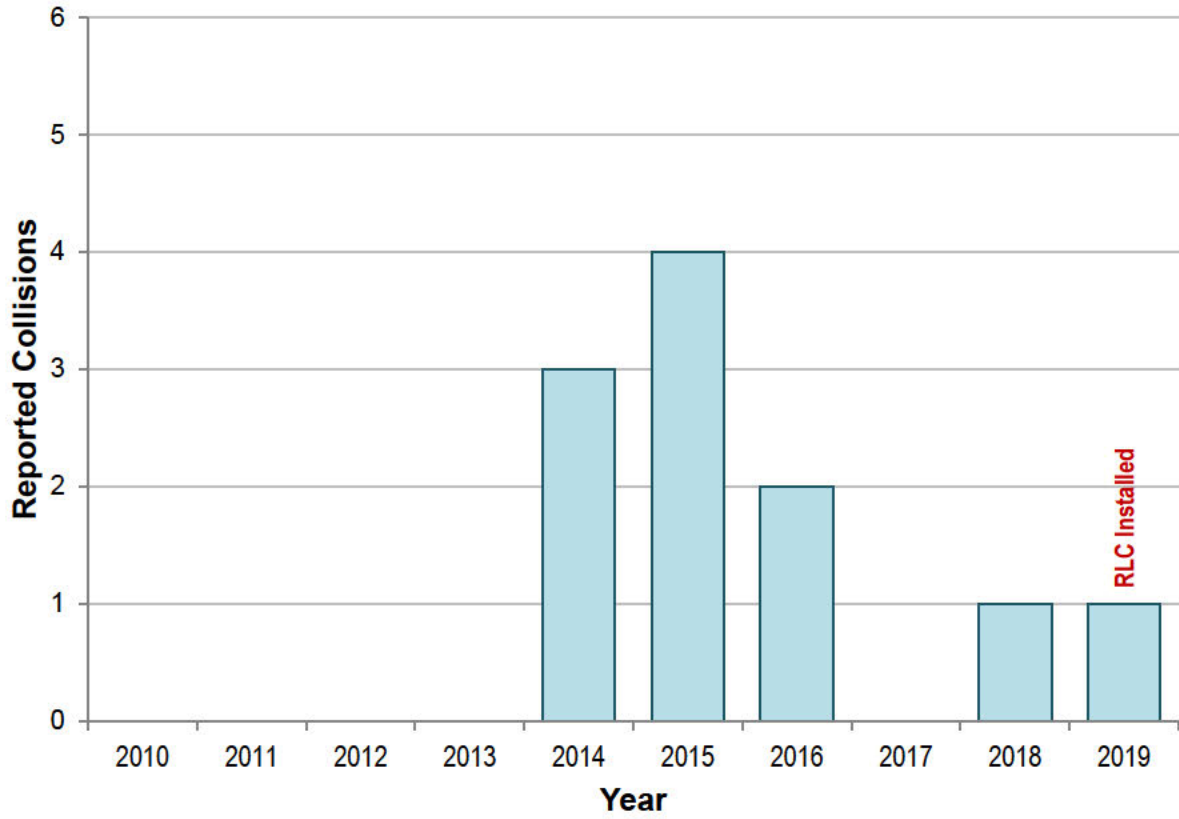
14th Street and South Van Ness Avenue
Injury CVC 21453A Collisions (2010-2019)



Automated red light enforcement was installed at 14th Street and South Van Ness Avenue for eastbound traffic in 2000 and northbound traffic in 2001.

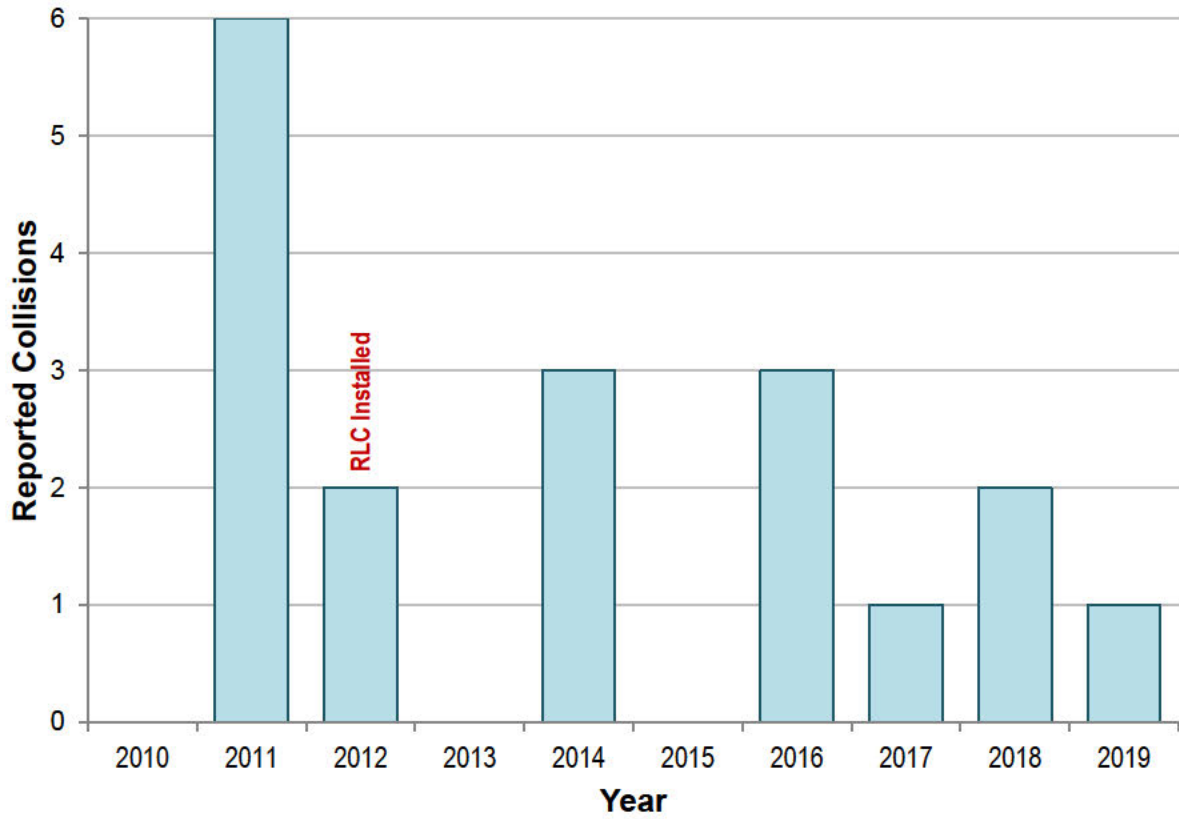
Bush and Divisadero Streets

**Bush and Divisadero Streets
Injury CVC 2143A Collisions (2010-2019)**

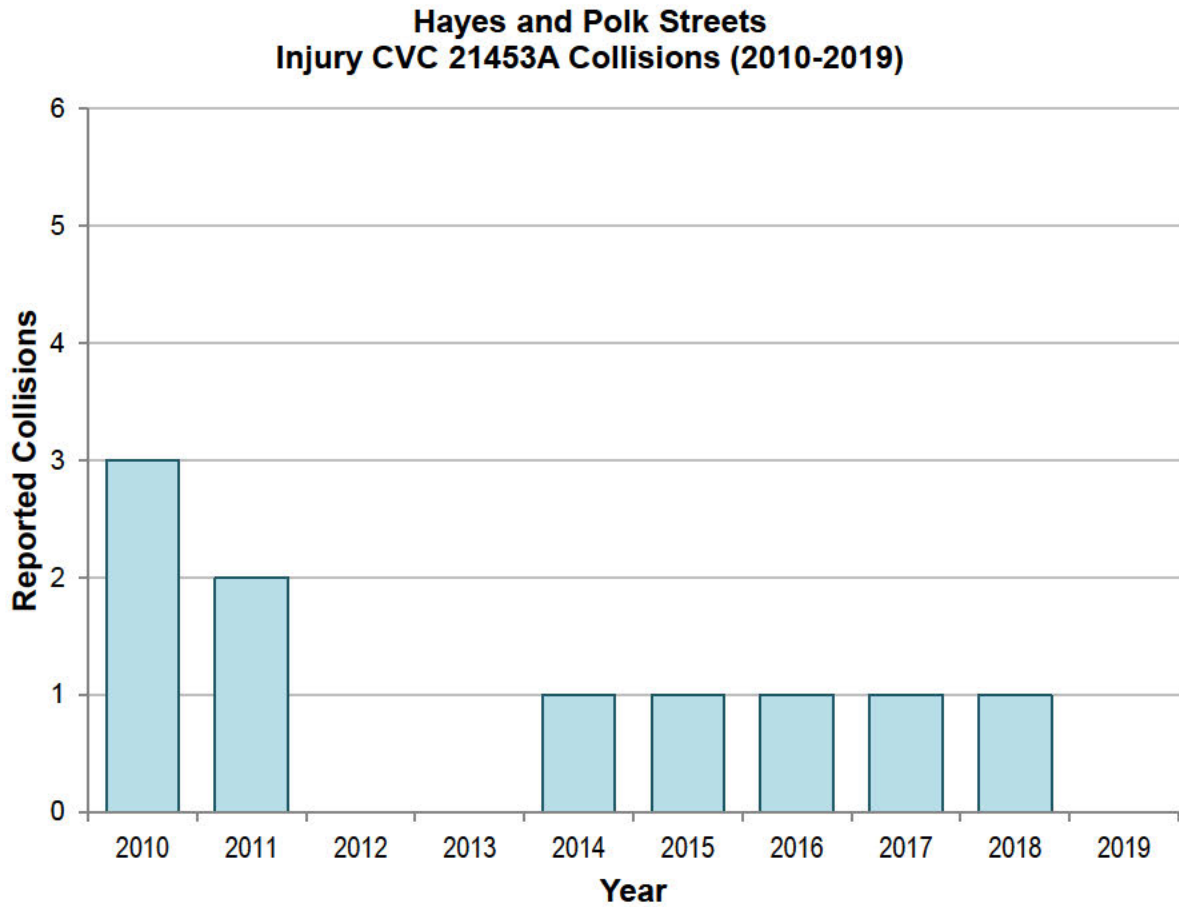


Fell Street and Masonic Avenue

Fell Street and Masonic Avenue
Injury CVC 21453A Collisions (2010-2019)

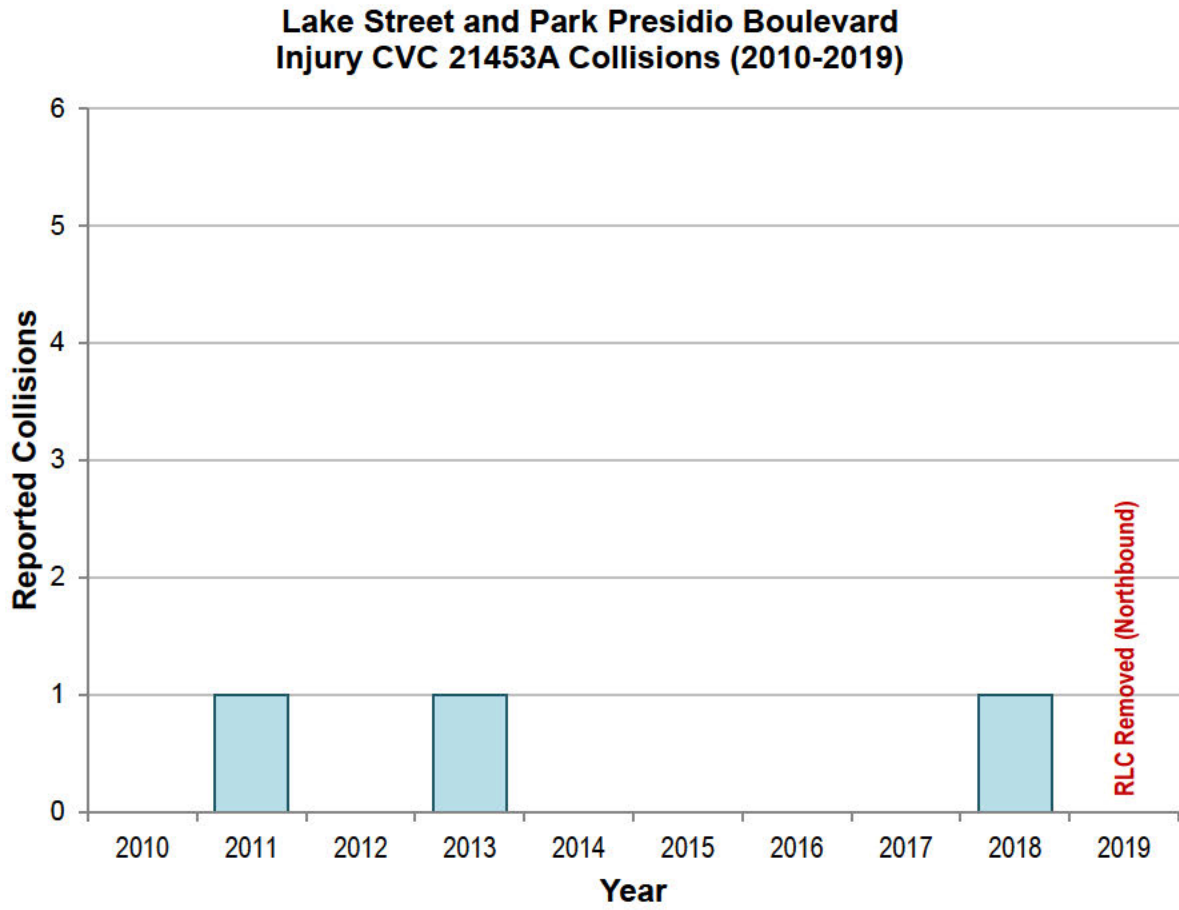


Hayes and Polk Streets



Automated red light enforcement was installed at Hayes and Polk Streets in 2000.

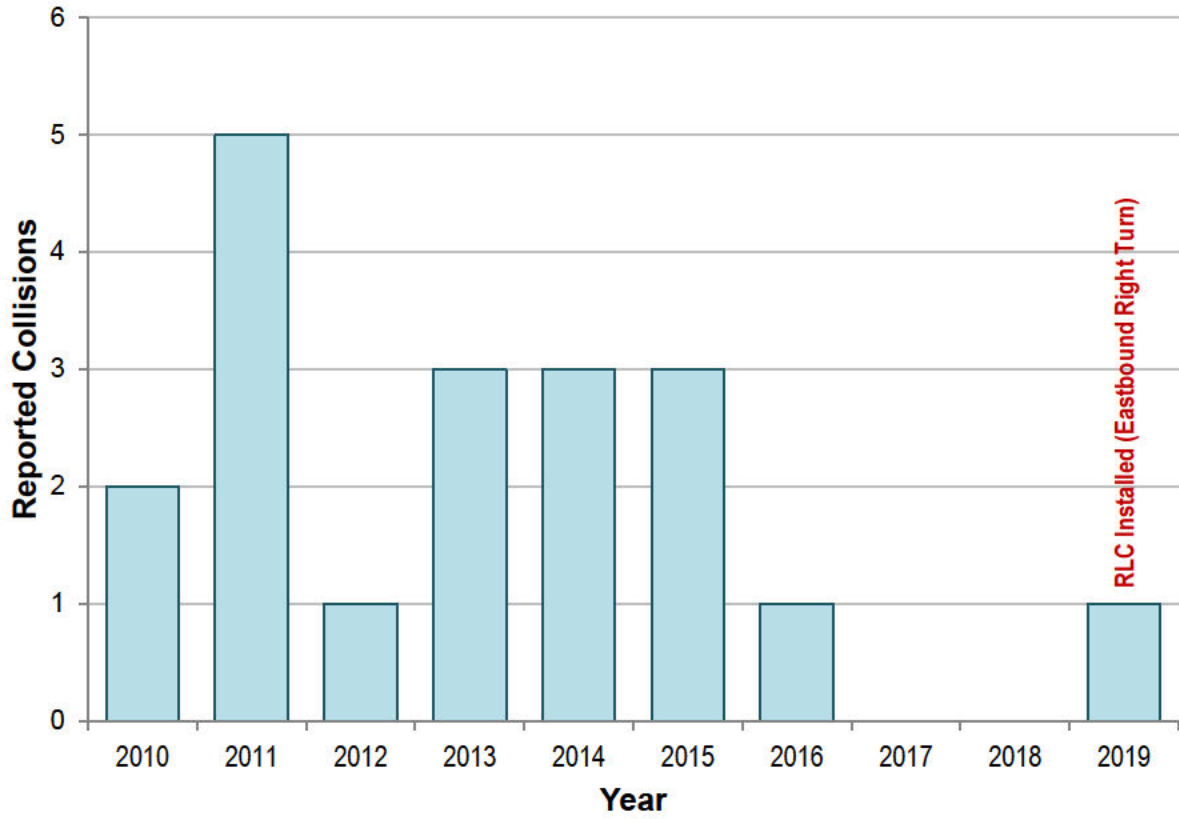
Lake Street and Park Presidio Boulevard



Automated red light enforcement was installed at Lake Street and Park Presidio Boulevard for northbound and southbound traffic in 2004.

Oak Street and Octavia Boulevard

**Oak Street and Octavia Boulevard
Injury CVC 21453A Collisions (2010-2019)**



Automated red light enforcement was installed at Oak Street and Octavia Boulevard for eastbound-through and northbound traffic in 2009.

FAILURE TO OBEY POSTED TRAFFIC CONTROL DEVICE (CVC 22101D) INJURY CRASHES AT PHOTO ENFORCED INTERSECTIONS

Market Street and Octavia Boulevard

