



SFMTA

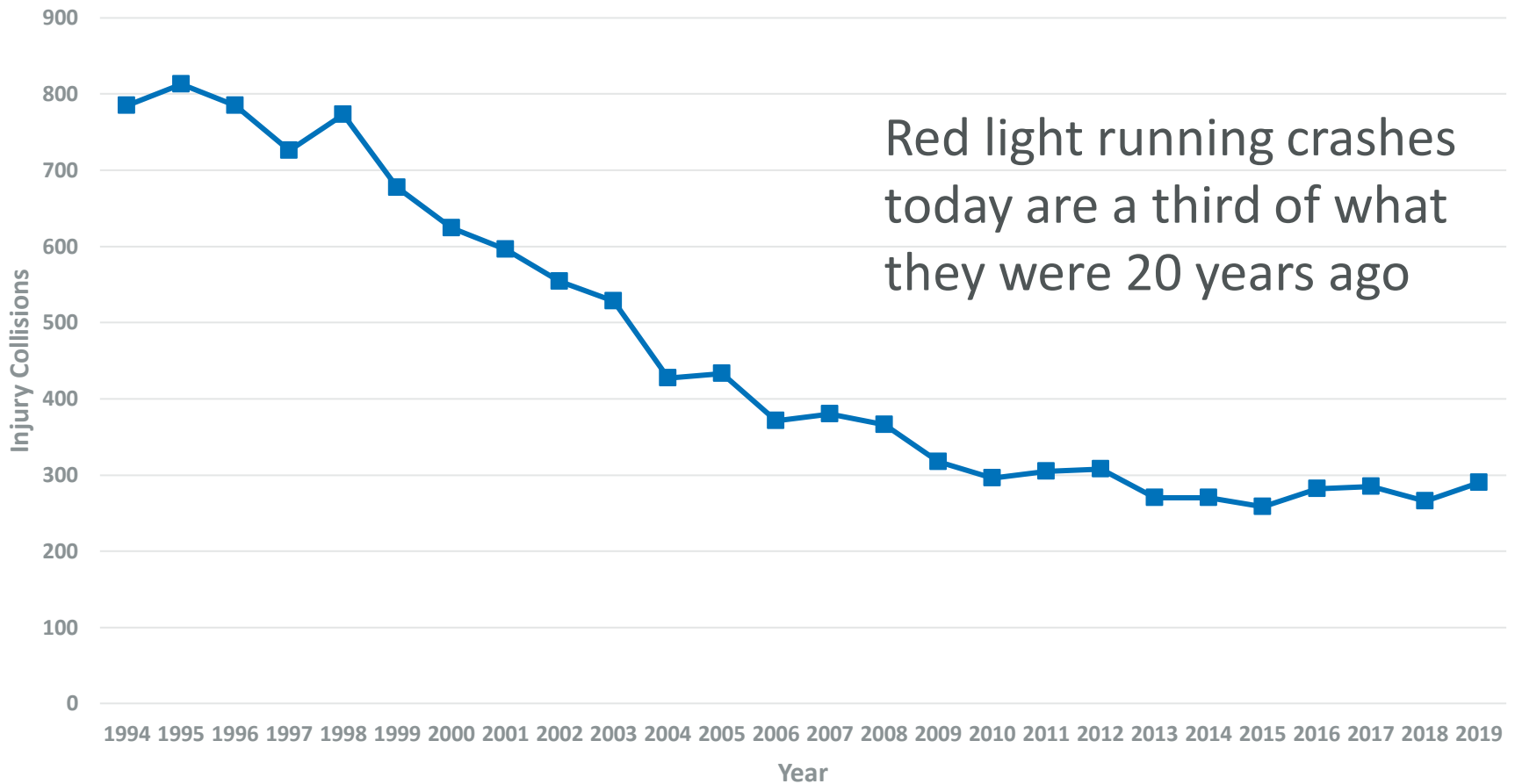
# Red light running collisions and the red-light camera program

Transportation Authority Board

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October 20, 2020

# Crashes Due to Violation of Red Lights (CVC 2453A) 1994-2019

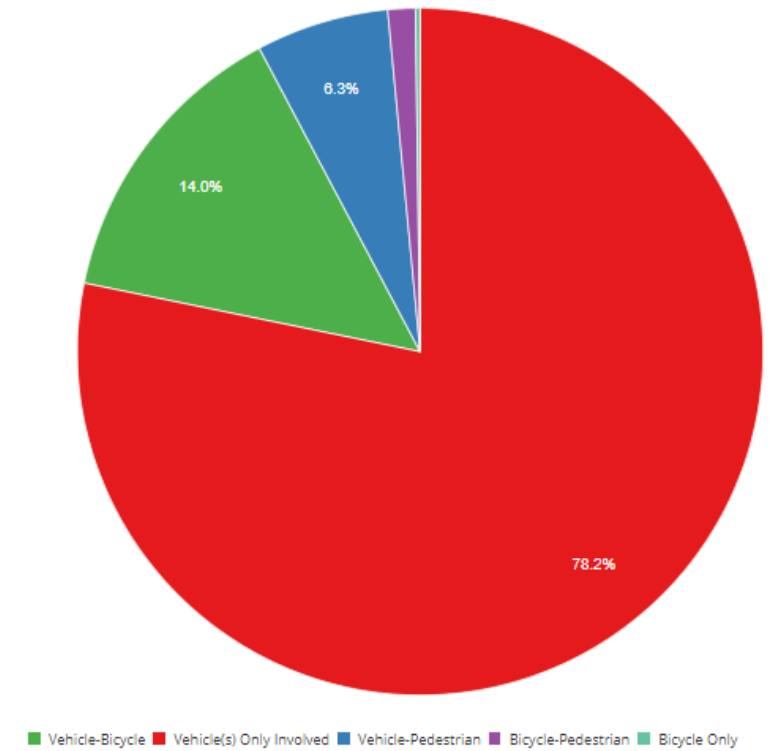


# Injury Crashes Due to Vehicular Violation of Red Lights July 2015 to July 2020

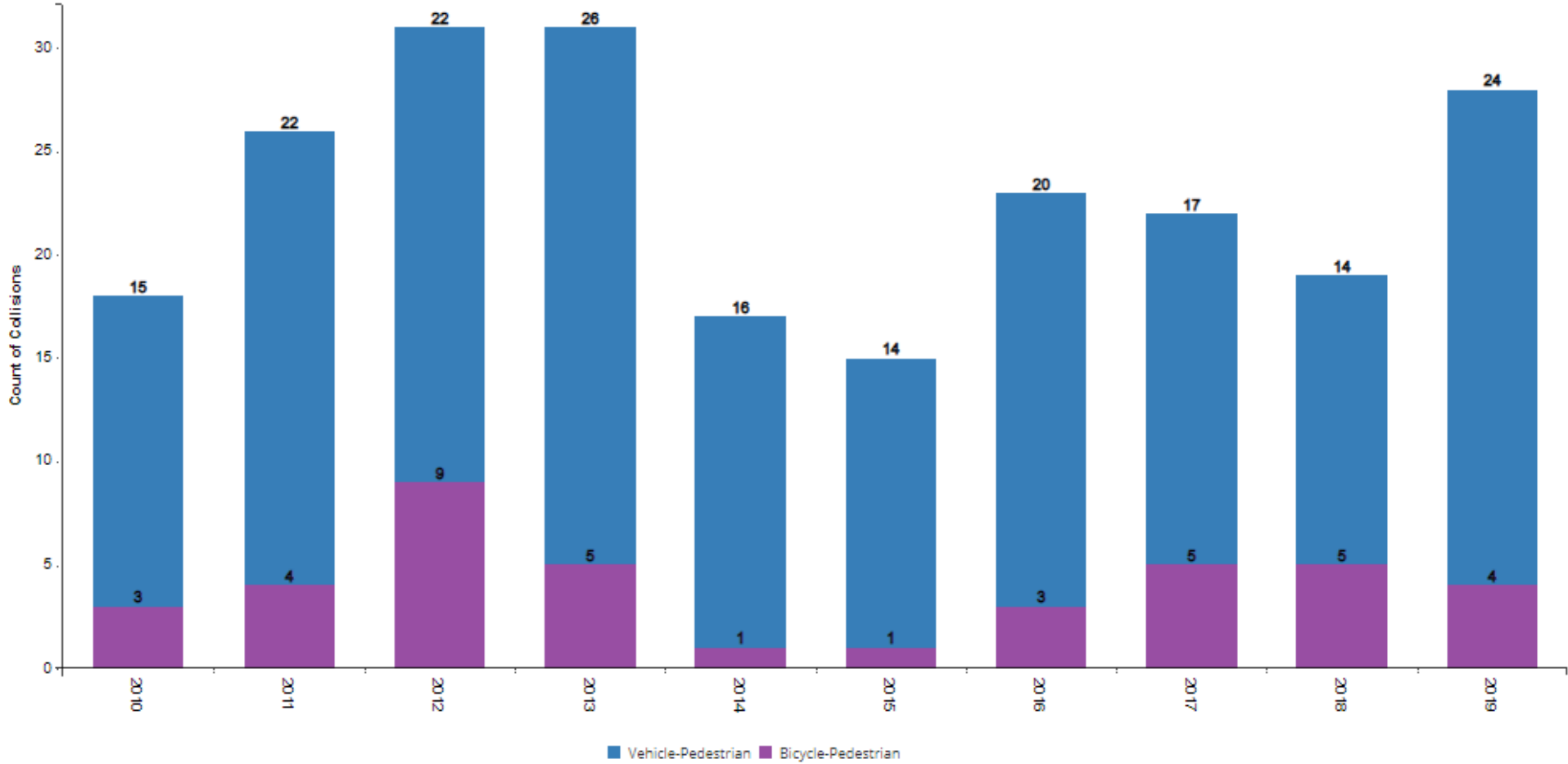
- Third most common violation type for injury crashes after unsafe speed and violation of pedestrian right-of-way (8.6 percent of all crashes)

By mode:

- 79 percent of crashes are vehicles only (1087)
- 14 percent involve vehicles and bicycles (195)
- 6 percent involve vehicles and pedestrians (87)



# Pedestrian Struck by **Motor Vehicle** and **Bicycle** Red Light Running Injury Collisions 2010-2019



# Tools to Reduce Red Light Running: Signal Timing

- All-red pauses to help vehicles clear intersection after yellow light
- Coordination of adjacent signals minimize stopping
- SFMTA uses yellow lights longer than state minimums

Posted Speed Limit	State Yellow Light	San Francisco Yellow Light
25 MPH	3.6 seconds	4.0 seconds

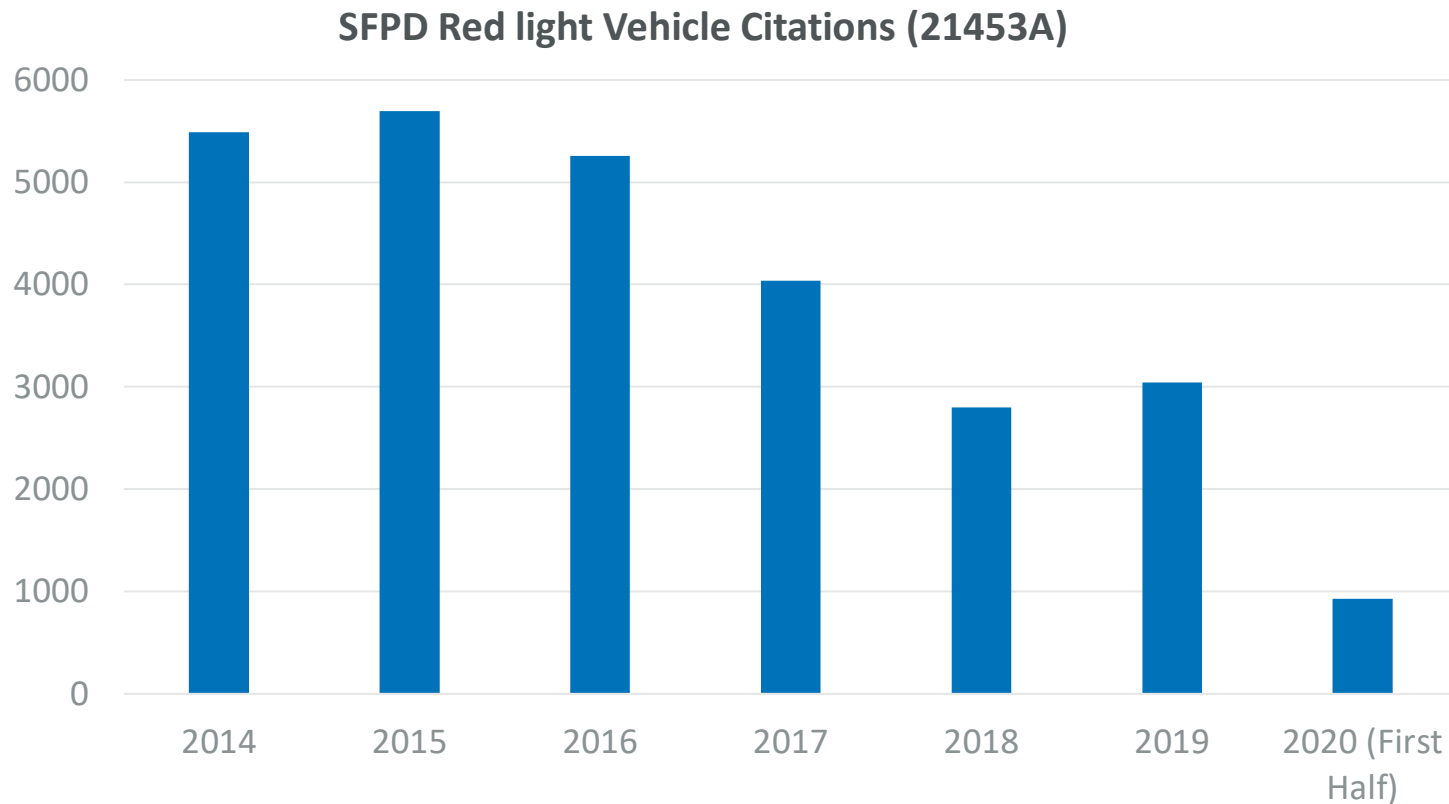
# Tools to Reduce Red Light Running: Signal Visibility Upgrades

- SFMTA has long-standing capital program to upgrade older traffic signals
- Signal visibility improvements:
  - Increasing signal head sizes
  - Installing signals over the streets (mast arms)
  - Improving location of signal indications



# Tools to Reduce Red Light Running: San Francisco Police Department Enforcement

- Red light running is one of SFPD's "Focus on the Five" citation categories



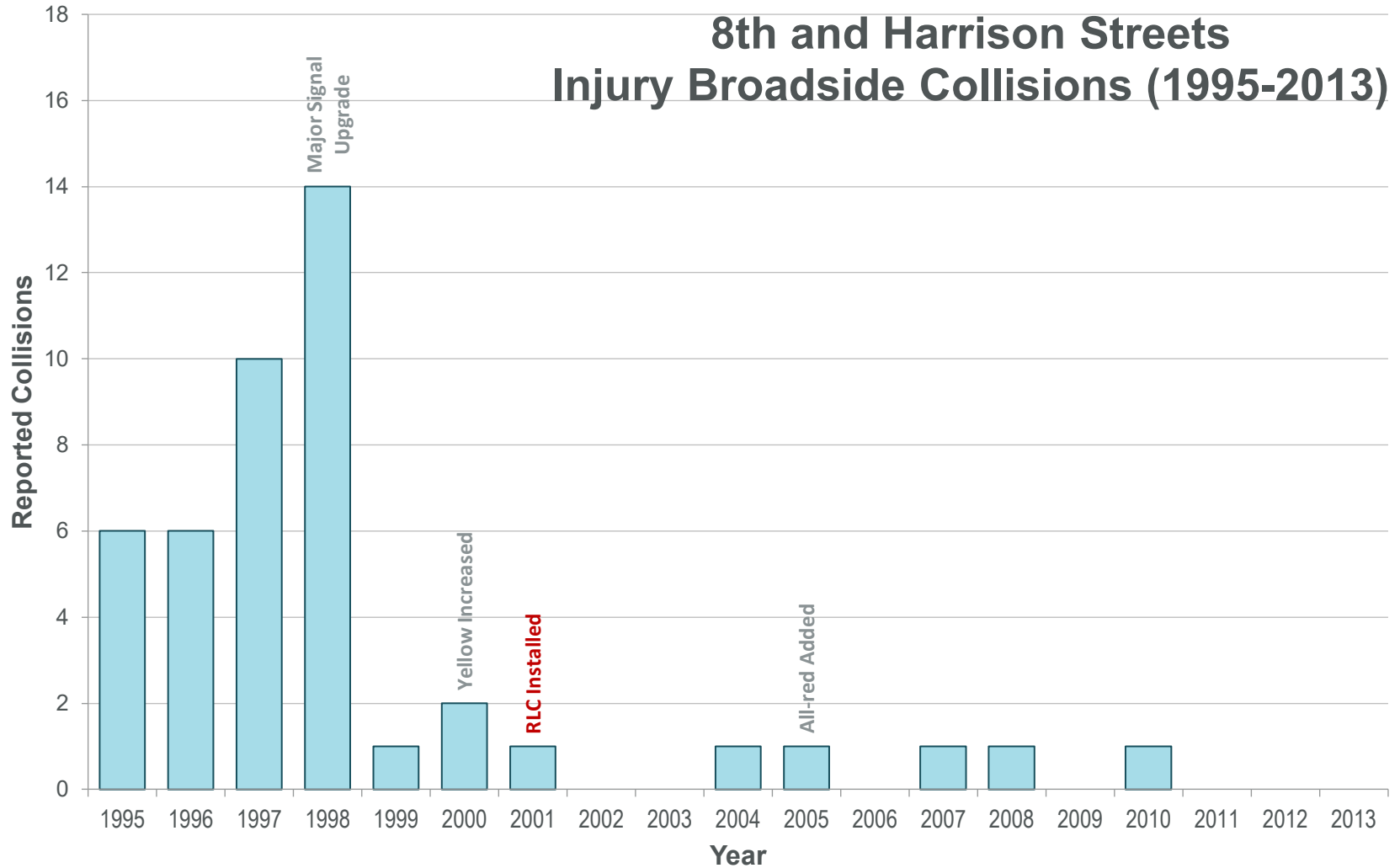
# Tools to Reduce Red Light Running: Red Light Camera Program

- Program started as a pilot in 1996
- In 2020 we completed a \$2.5 million upgrade to digital technology
- 19 intersection approaches, including 6 new approaches
- Locations selected based on incidence of red-light violation crashes and meeting current engineering design standards
- Partnership with SFPD who reviews all photo evidence before citation is issued

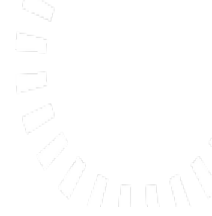
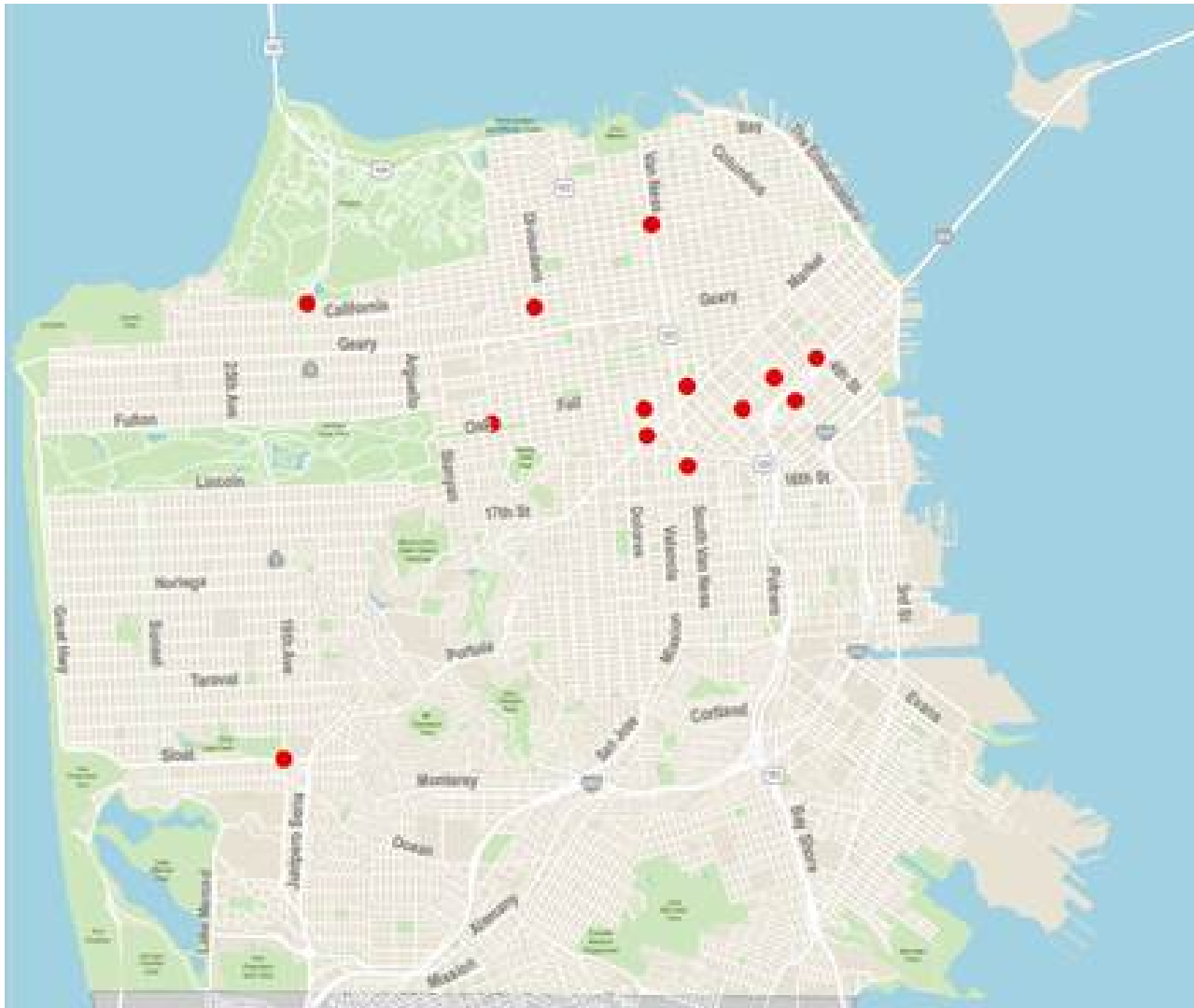




# 2014 System Evaluation



# Current Camera Program Locations



# Automated Enforcement Citations Issued by Month (2020)

Intersection	Direction(s) Enforced	January	February	March	April	May	June	July	August
4th St at Harrison St	southbound	109	106	61	11	29	23	24	18
	westbound	105	96	86	99	97	65	33	43
6th St at Bryant St	eastbound	46	39	27	16	11	17	26	26
	southbound	55	51	23	4	8	19	23	3
6th St at Folsom St	southbound	6	6	0	4	1	1	1	1
8th St at Folsom St	southbound	40	34	22	13	11	14	18	20
19th Ave at Sloat Blvd	northbound	103	95	77	71	59	81	83	71
	southbound	n/a*	n/a*	n/a*	65	108	130	117	90
Divisadero St at Bush St	northbound	28	34	31	30	23	24	28	19
Fell St at Masonic Ave	westbound	69	130	78	43	74	83	80	67
Hayes St at Polk St	southbound	57	94	33	26	38	38	32	54
	westbound	16	25	27	17	27	26	25	33
Market St at Octavia Blvd	eastbound illegal right turns	n/a*	n/a*	n/a*	n/a*	n/a*	5	8	10
Oak St at Octavia Blvd	eastbound	38	55	26	18	31	14	42	42
	eastbound right turn	n/a*	n/a*	n/a*	110	93	59	88	82
	northbound	n/a*	n/a*	2	44	63	44	81	48
Park Presidio Blvd at Lake St	southbound	n/a*	n/a*	n/a*	16	40	168	156	189
So. Van Ness Ave at 14th St	northbound	51	77	56	48	50	45	40	37
Van Ness Ave at Broadway	southbound left turn lanes	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*	n/a*
<b>TOTAL</b>		<b>723</b>	<b>842</b>	<b>549</b>	<b>635</b>	<b>763</b>	<b>856</b>	<b>905</b>	<b>853</b>

\*Location under construction

# 2019 Policy Support

- Board of Supervisors Resolution 475-19,  
State of Emergency on Traffic Safety:  
“The Board of Supervisors urges the Municipal Transportation Agency and all city agencies to take emergency action to immediately double red light cameras at major high-injury intersections”
- Presentations on program made at:
  - SFCTA Board (October 22, 2019)
  - SFMTA Board Policy Committee (October 22, 2019)
  - Vision Zero Trask Force (December 11, 2019)

# Pending SFMTA Camera Expansion Project

- \$2 million capital investment
- Design in 2020-2021, construction in 2021-2022.
- Eight potential additional locations based on highest citywide injury red light running crashes by approach:
  - Gough and Market (eastbound)
  - Golden Gate at Franklin (eastbound)
  - Presidio at Masonic (northbound)
  - Masonic at Fell (northbound)
  - Franklin at Lombard (northbound)
  - Divisadero at Oak (southbound)
  - Gough at Oak (southbound)
  - Harrison at 6th (westbound)





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# Thank you

<https://www.sfmta.com/getting-around/drive-park/red-light-camera-and-other-automated-enforcement>

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