

SAFE ON 17

Highway 17 Safety Corridor

2018 Annual Report

January 1, 2018 to December 31, 2018



**METROPOLITAN
TRANSPORTATION
COMMISSION**



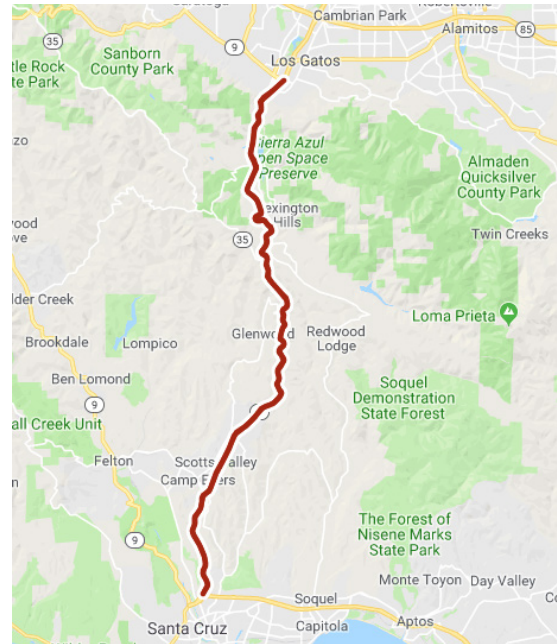
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INTRODUCTION

High collision rates on Highway 17 precipitated the formation of the Safe on 17 Task Force in 1999. The task force was convened to identify conditions and behaviors contributing to collisions on the corridor and to recommend and implement solutions. The task force drew from a broad set of disciplines to assemble strategies that would reduce the high collision rate. Strategies included enhanced enforcement, engineering (capital improvements), signing and striping, public education and awareness.

The present goal of the Safe on 17 Program is to maintain the reduced collision rate average achieved during the 36-month period funded by an Office of Traffic Safety grant (1999-2002) using a combination of the original recommendations made by the task force. Engineering improvements, enhanced CHP enforcement tactics, public outreach about motorist safety, and a traffic operations system all contribute to improving safety on Highway 17. The task force also continued to collect data to measure the outcome of these efforts, benchmark progress and monitor where additional improvements may be needed. Typically, safety corridor designations expire after a few years. However, the segment of Highway 17 between Highway 1 in Santa Cruz County and Highway 9 in Santa Clara County has maintained its safety corridor designation for more than 16 years (**Figure 1**).

Figure 1: Highway Safety Corridor



Funding for extra CHP enforcement has been provided by the Santa Cruz County Regional Transportation Commission Service Authority for Freeway Emergencies (RTC SAFE) and the Metropolitan Transportation Commission Service Authority for Freeways and Expressways (MTC SAFE) in the combined amount of \$100,000 per year since 2002.

Caltrans continued to make capital improvements to Highway 17 in 2018. The shoulder widening, guardrail installation, and stormwater mitigation projects were completed in 2018. Caltrans also approved a shoulder widening project at the Pasatiempo undercrossing and continued efforts with the wildlife crossing at Laurel Road. All of these projects were constructed with the intent to reduce the number of collisions on Highway 17.

2018 Highway 17 Summary of Facts

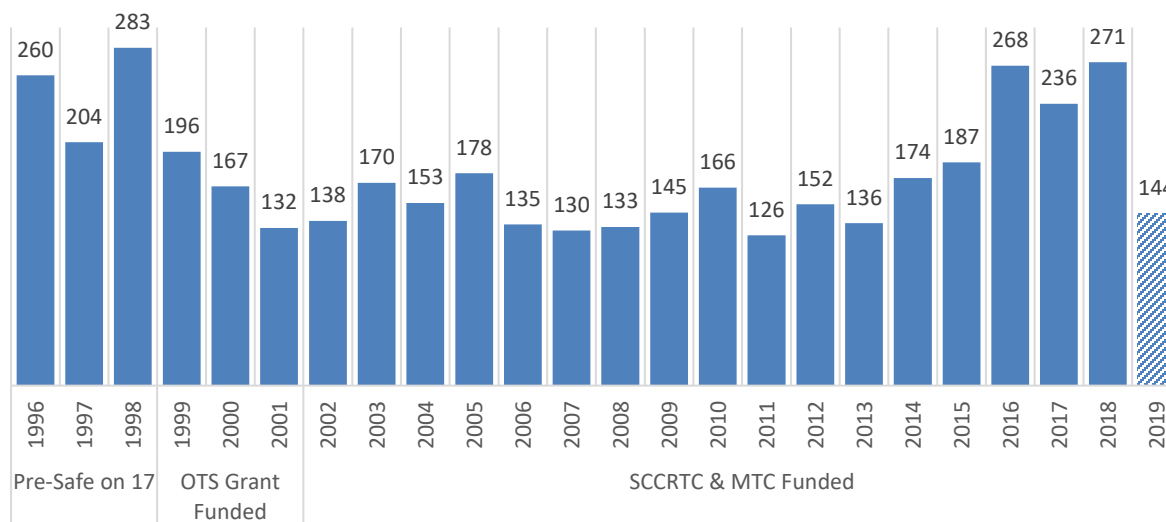
- There were 2 fatal collisions and 269 injury collisions on the safety corridor in 2018.
- The total number of collisions for 2018 is 801.
- Injury collisions were highest in the months of January, March, and November 2018.

COLLISIONS

Over the last three years, the number of injury and fatal collisions on Highway 17 has increased substantially with the number of collisions in 2018 being the greatest since the Safe on 17 program began. Figure 2Error! Reference source not found. shows the annual injury and fatal collision data between 1996 and 2018. Prior to the last three years, there was a fairly consistent trend in the number of fatal and injury collisions staying significantly below the pre-program period.

A pronounced difference between the past three years and prior years is the amount of rainfall, which is shown on [Attachment 3](#). As shown on [Attachment 3](#) there appears to be a correlation between the amount of rainfall and the number of collisions on Highway 17. The amount of rainfall over the past three years has been significantly higher than the amount of rainfall in prior years and likewise the number of collisions has also been significantly higher.

Figure 2: Annual Injury & Fatal Collisions



In 2018, there were 2 fatalities and 269 injury collisions. The number of fatal and injury collisions for 2018 were 8.5% higher than the preprogram average of 249 between 1996 and 1998. This translates into 22 more fatal and injury collisions in 2018 than the preprogram average. In 2018, there were 530 property damage only collisions which is 6 more property damage only collisions on the Highway 17 Safety Corridor for 2018 compared to the preprogram average of 536.

The most recent three-year average of fatal and injury collisions is 258, which does not meet the goal of the Task Force to maintain the reduced three-year collision rate average achieved during the OTS grant period of 165 injury and fatal collisions. A breakdown of collisions by type is provided in [Attachment 1](#).

A detailed comparison between 2018 monthly total collisions and combined injury and fatal collisions is provided for both Santa Cruz and Santa Clara Counties in [Attachment 2](#). The highest number of total collisions (injury, property damage only and fatal) occurred in March 2018 for both Santa Cruz and Santa Clara County sides of Highway 17. More than half (53%) of all collisions occurred on the Santa Cruz County side.

The reasons for the increase in collisions on Highway 17 over the last three years are likely a combination of factors. Speeding, tailgating and unsafe lane changes (also called primary collision factors) are

considered to be the most frequent factors leading to collisions on Highway 17 but distracted driving is also a growing threat to road safety. Since the Safe on 17 program began in the late 1990's a number of developments have increased driver distraction.

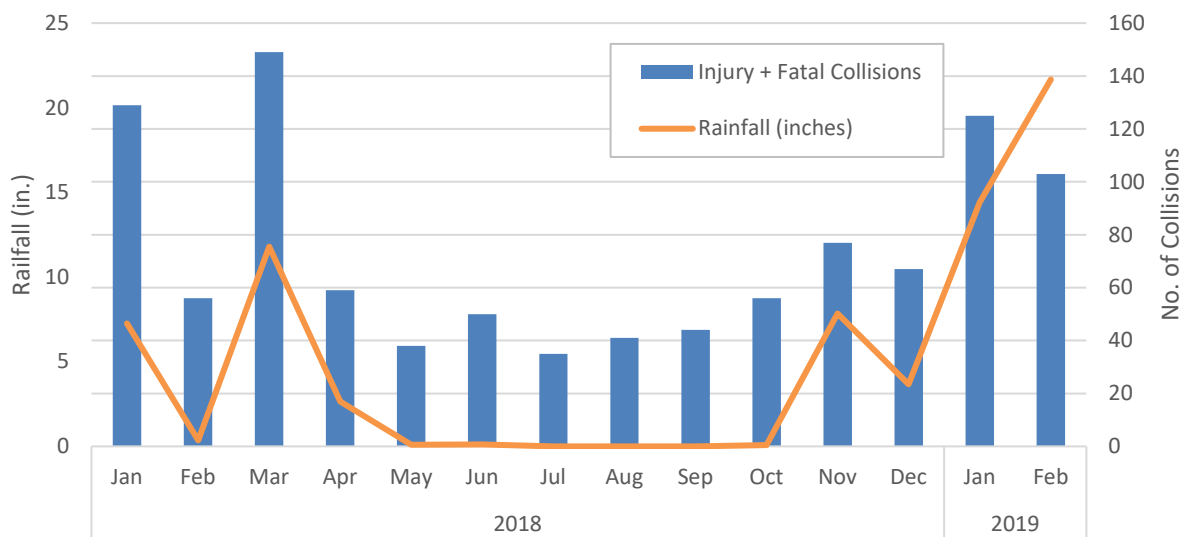
These include:

- Significantly increased cellular phone usage
- Proliferation of text messaging over cellular phones
- Availability of smart phones with access to email and many other functions
- Usage of navigation systems through a variety of devices

Due to the proven negative impacts of these additional driver distractions, laws have been passed and campaigns have been waged to curtail their effect on collisions, yet many people drive under the influence of these distractions. These additional factors can cause an upward trend in the number of collisions and may be one of the reasons for the increased collision rate on Highway 17 in 2018.

External factors may also influence the total number of collisions. Wet weather is considered to increase traffic collisions due to wet pavement and decreased visibility. Aggregate rainfall data from the Global Historical Climatology Network (GHCN)-Daily database at the Los Gatos weather station near Redwood Estates is plotted with the injury and fatal collision data for 2018 in **Figure 3. Attachment 3** summarizes rainfall and collision data by quarter from 2011 – 2019. Increased injury and fatal collisions coincide with wet weather. The total yearly rainfall in 2018 was 33.8 inches compared to 68.8 inches in 2017 and 54.3 inches in 2016. The average annual precipitation is 31.4 inches.

Figure 3: Monthly Rainfall and Collisions on Highway 17

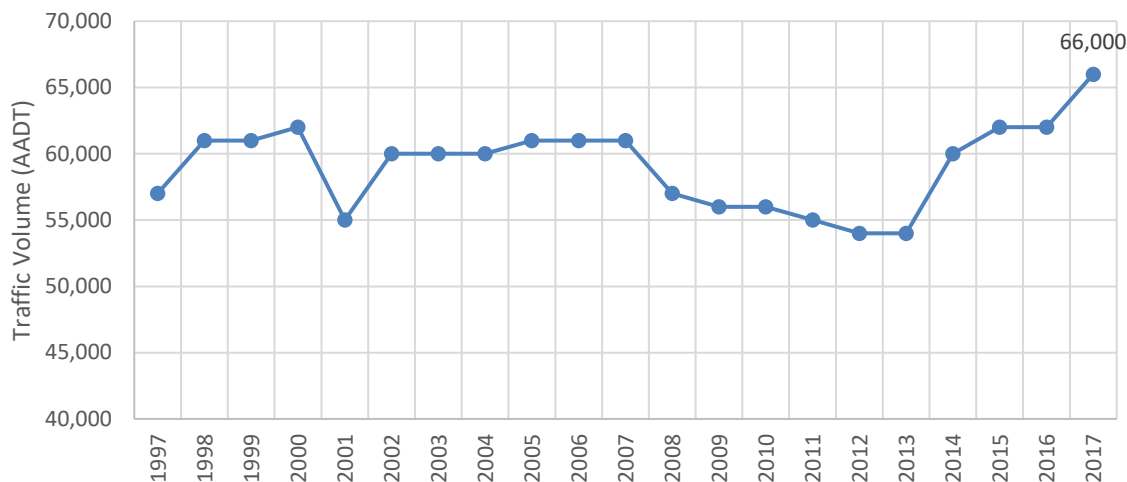


Source: Precipitation data from GHCN via NOAA, Los Gatos 5.4 SSW, CA US

Traffic conditions are considered to be a factor in the number of collisions. Traffic conditions can be assessed in a number of ways including the Average Annual Daily Traffic (AADT). On Highway 17, the AADT estimated by Caltrans has increased year-over-year since 2013 (**Figure 4**) and may be a factor in the increased number of collisions on Highway 17. As the economy becomes stronger, more people are

driving “over the hill” on Highway 17 to get to jobs in the Bay Area. The estimated traffic volume data for 2018 is not available yet to determine if traffic volumes have continued to increase.

Figure 4: Traffic Volumes on Highway 17 at Santa Clara/Santa Cruz County Line



California’s basic speed law reminds us that as drivers, we are all responsible to drive in a manner that is reasonable and prudent with regard for weather, visibility, traffic, surface and width of the highway and that does not endanger the safety of people or property (CA Vehicle Code 22350). Part of the messaging provided by the CHP, the RTC, Caltrans and others includes reminding motorists to adjust driving habits during inclement weather.

EXTRA CHP ENFORCEMENT

Extra CHP enforcement is an essential element of the Safe on 17 Program. The extra CHP enforcement is dispatched along all of the Highway 17 Safety Corridor, which is located between the Highway 1/17 interchange in Santa Cruz County and the Highway 9/17 interchange in Santa Clara County. Increased CHP enforcement on Highway 17 prevents collision causing behavior in two ways. First, high CHP visibility on Highway 17 serves to encourage safer driving and deter traffic violations. Second, increasing the number of citations is a mechanism for encouraging motorists to adhere to the rules of the road. The Santa Cruz and San Jose CHP offer a list of overtime opportunities to their officers, which makes-up the extra enforcement on Highway 17. The number of enforcement hours per month is dependent upon CHP staffing levels, competing overtime opportunities, and training requirements. In 2018, a total of \$39,720 was spent on extra CHP enforcement and 519 hours of extra CHP enforcement were worked (**Table 1**). The CHP continuously seeks grant funding opportunities to provide as much additional enforcement as possible. For 2018, CHP Santa Cruz supplemented Safe on17 funds with a grant from the California Office of Traffic Safety through the National Highway Traffic Safety Administration for enhanced enforcement on Highway 17. [Attachment 4](#) summarizes the extra enforcement by month for 2018.

Table 1: Annual Extra CHP Enforcement Hours Worked & Safe on 17 Funds Used

Year	San Jose CHP		Santa Cruz CHP		Total Extra Enforcement Hours	Total Funds Used	Average Hourly Rate
	Extra Enforcement Hours	Funds Used	Extra Enforcement Hours	Funds Used			
2003	490	\$31,197	850	\$47,913	1,340	\$79,110	\$59.04
2004	610	\$38,129	709	\$45,728	1,319	\$83,857	\$63.58
2005	601	\$39,495	730	\$49,631	1,331	\$89,126	\$66.96
2006	680	\$51,590 ¹	636	\$47,858	1,316	\$99,448	\$75.57
2007	909	\$76,953 ¹	565	\$49,738	1,474	\$126,691	\$85.95
2008	706	\$61,652 ¹	737	\$68,023 ¹	1,443	\$129,675	\$89.86
2009	591	\$47,651	399	\$36,709	990	\$84,360	\$85.21
2010	22	\$1,842	308	\$27,224	330	\$29,066	\$88.08
2011	828	\$65,970 ²	705	\$55,047	1,533	\$121,017	\$78.94
2012	576	\$45,072	681	\$54,045 ³	1,257	\$99,117	\$78.85
2013	340	\$30,849	812	\$70,152 ³	1,152	\$101,001	\$87.67
2014	852	\$72,886 ²	643	\$58,822 ³	1,495	\$131,708	\$88.10
2015	437	\$40,739	399	\$39,400	836	\$80,139	\$95.86
2016	445	\$43,129	635	\$59,163	1,080	\$102,292	\$94.71
2017	640	\$61,574	266	\$26,648	906	\$88,222	\$97.38 ⁴
2018 ⁵	224	\$18,138	295	\$21,582	519	\$39,720	\$76.53

¹ Between 2006 and 2009, CHP was permitted to carryover funds not spent during the prior years to the current year, thus resulting in more than \$50,000 expended in services in some years. A new contract was initiated in 2009 with CHP and no unspent funds were carried over into the new contract, thus limiting expenditures in 2009 to \$50,000 per year for Santa Cruz and San Jose CHP.

² The RTC provides funds on a fiscal year basis and thus amounts may be higher than \$50,000 when summed on a calendar year as reported here.

³ Santa Cruz CHP was permitted to carryover any unspent funds in future years.

⁴ The average hourly rate for CHP overtime has increased 65% from 2003 to 2017.

⁵ Values for 2018 are incomplete and excludes costs for 135 unbilled hours for CHP San Jose and 88 unbilled hours for CHP Santa Cruz.

Due to the increase in collisions on Highway 17 over the last few years, CHP has targeted their extra enforcement hours for times of day and times of year when collisions are more likely to occur. CHP has also increased their motorcycle enforcement and are considering speed enforcement by aircraft although the tree cover along Highway 17 poses a challenge. CHP is committed to working to improve safety on this vital link “over the hill” for commuters and visitors alike.

CITATIONS

A total of 5,770 citations were issued on Highway 17 during 2018¹. Of these, 823 were given during Safe on 17 extra enforcement hours. Citations issued during overtime in 2018 made up 15% of citations. In the earlier years of the program (2003 - 2007), total citations were in the range of 11,000 to 14,500 per year. Between 2008 and 2014, total yearly citations have been on average about 9,000 to 10,000.

The most overtime citations per month for 2018 were given in June. [Attachment 5](#) provides a summary of annual total overtime and regular time citations and [Attachment 6](#) charts the annual citations from San Jose and Santa Cruz by month in 2018. During extra CHP enforcement hours on Highway 17, officers focus on preventing behavior that is known to be a primary collision factor (PCF) such as speeding, tailgating or making unsafe lane changes. These focused efforts help achieve the Safe on 17 Program goal of limiting the number of injury and fatal collisions. Accordingly, in 2018, 60% of all citations given on Highway 17 were for PCF violations.

CHP DATA REPORTING

As required, the Santa Cruz area and San Jose area CHP offices have been providing monthly collision and citation data since the Program’s initiation ([Attachment 7](#)). The data is important for monitoring program effectiveness.

SAFE ON 17 TASK FORCE MEETINGS

The Safe on 17 Task Force is comprised of representatives from the San Jose and Santa Cruz area CHP, Caltrans Districts 4 and 5, MTC SAFE, RTC SAFE, local legislators’ offices, local media, trucking industry, local police and fire departments. In 2018, members continued to regularly attend the two scheduled meetings (March 21 and September 19) and committed to staying involved and working towards improving safety on Highway 17.

In 2018, the Task Force discussed the outcomes of the CHP’s extra enforcement efforts, provided input on current Caltrans’ Highway 17 projects and maintenance activities, and provided input on potential Highway 17 improvements. In addition, the Task Force routinely discusses issues related to the handling of incidents on this unique multi-jurisdictional corridor, opportunities for agency coordination, public education related to motorist safety, and Freeway Service Patrol Program activities.

Like in previous years, in 2018 both of the Safe on 17 meetings were combined with the RTC Traffic Operation Systems Oversight Committee Meetings. There is a significant overlap in membership in these committees and subject matter. Traffic operation systems elements such as closed-circuit television cameras and changeable message signs can be tools for enhancing safety on the Highway 17 corridor and

¹ Monthly regular citations for the Santa Clara County segment of Highway 17 were only available from March to July 2018.

require coordination between the separate CHP and Caltrans jurisdictions covering the Highway 17 safety corridor.

PUBLIC INFORMATION

In 2018, RTC SAFE, MTC SAFE, CHP and Caltrans continued to provide information to the public about driving safely on Highway 17. In 2018, CHP included information about safe driving on Highway 17 at CHP sponsored events, including new driver education programs held at high schools and motorcycle and community events. RTC SAFE and CHP also reminded the public about safe driving on Highway 17 on social media, during regular interviews, and when reporting to the media about Highway 17.

In addition, in 2018, press releases were published by CHP which highlight extra enforcement efforts and educate motorists about safe driving ([Attachment 8](#)). The public was also reminded to drive safely using the changeable message signs located on Highway 17. Similar to previous years, the “Click it or Ticket”, “Slippery Roadway Reduce Speed”, “Share the Road Look Twice for Motorcyclists” and “Hands Free It’s the Law” were frequently posted messages. The Santa Clara County Fire Department created videos about the dangers of distracted driving, tips for driving in inclement weather, and secondary accidents and first responder safety as part of its “Safe on 17” safety campaign ([Attachment 9](#)). SCCFD also produced and affixed “Safe on 17” reflective decals ([Figure 7](#)) to all fire apparatus that respond on the Highway 17 corridor and offered decals to other agencies in the Safe on 17 Task Force.

Figure 5: SCCFD produced Safe on 17 reflective decal



In response to the increase in collisions on Highway 17, RTC, CHP and Caltrans increased efforts to inform and educate the public on driving safely on Highway 17. Cruz511 traveler information, changeable message signs and social media are also used to get the message out about the dangers of speeding, distracted driving and other potential driving hazards.

HIGHWAY SAFETY IMPROVEMENTS

Caltrans has a comprehensive process for evaluating and constructing the projects that provide the greatest benefit to the motoring public. In 2018, Caltrans continued to make improvements to Highway 17 to improve safety including the following:

Highway 17 Shoulder Widening and Concrete Guardrail

The Highway 17 project north of Scotts Valley (between Sugarloaf and Laurel Rd) to widen the shoulder and install a concrete guardrail began in 2016. Wider shoulders allow motorists to have more room to correct themselves if they veer off the road. Wider shoulders can also provide a place for vehicles to pull off the road in an emergency and increase visibility around a curve. This project was completed in February 2018.

Highway 17 Storm Water Mitigation Project

This project located between the Hwy 1/17 interchange and Sims Road to conduct multiple storm water improvements began in 2017 and major construction was completed in 2018. Erosion control and vegetation establishment continues through May 2019.

Highway 17 Pasatiempo Shoulder Widening

This project located south of Pasatiempo overcrossing to widen the shoulder and install a soil nail wall was approved in 2018 and is scheduled to begin in Spring 2019.

Highway 17 Wildlife Habitat Crossing

This project located between Laurel Road to just north of Laurel Road to construct a wildlife undercrossing is in design and on schedule for construction in 2020.

Over the years of the Safe on 17 Task Force, Caltrans has spent tens of millions of dollars on a variety of safety improving projects including installing a median barrier at Laurel Curve and guardrails at Santa's Village Road, constructing a retaining wall at the Summit, upgrading draining systems and resurfacing pavement throughout the corridor, and widening the shoulder at various locations.

CONCLUSION

There were 2 fatalities and 269 injuries on Highway 17 corridor during 2018. The most recent three-year annual average of injury and fatal collisions is 258, which does not meet the goal of maintaining the reduced injury and fatal collisions (165) experienced during the initial Office of Traffic Safety grant period (1999-2002). A number of factors likely contributed towards the increase in the number of collisions in 2018 including the significantly higher rainfall, use of mobile devices while driving and increased traffic volumes.

During 2018, Caltrans continued to implement safety improvements aimed at reducing wet weather and run-off-road collisions through guardrail upgrades and shoulder widening projects. Through public education, primarily CHP Start Smart events, and Caltrans signs (both static and changeable message signs), motorists are informed to "Take it Slow" on Highway 17. Extra CHP enforcement also provides a powerful disincentive to motorists to stop behaviors that cause collisions such as speeding, tailgating and unsafe lane changes. The Safe on 17 Task Force members continue to work collaboratively to identify and address factors that will have the greatest influence on reducing the number of collisions.

ATTACHMENTS

Attachment 1: Summary of Annual Highway 17 Collision Data

Attachment 2: 2018 Highway 17 Monthly Collision Data

Attachment 3: Quarterly Rainfall and Collisions on Highway 17

Attachment 4: Summary of Extra CHP Enforcement Hours

Attachment 5: Summary of Annual Highway 17 Citation Data

Attachment 6: 2018 Highway 17 Monthly Citation Data

Attachment 7: CHP Collision and Citation Data Tables for Highway 17

Attachment 8: CHP Press Releases Regarding Highway Safety

Attachment 9: SCCFD Safe on 17 Campaign

SOURCES:

CA Vehicle Code 22350, Basic Speed Law.

https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=VEH§ionNum=22350

California Highway Patrol. 2018. SWITRS. Provided by San Jose and Santa Cruz CHP.

Caltrans. 2017. Traffic Counts. <http://traffic-counts.dot.ca.gov/>

National Oceanic and Atmospheric Administration (NOAA), Global Historical Climatology Network (GHCN) – Daily Precipitation. <https://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:US1CASC0040/detail>

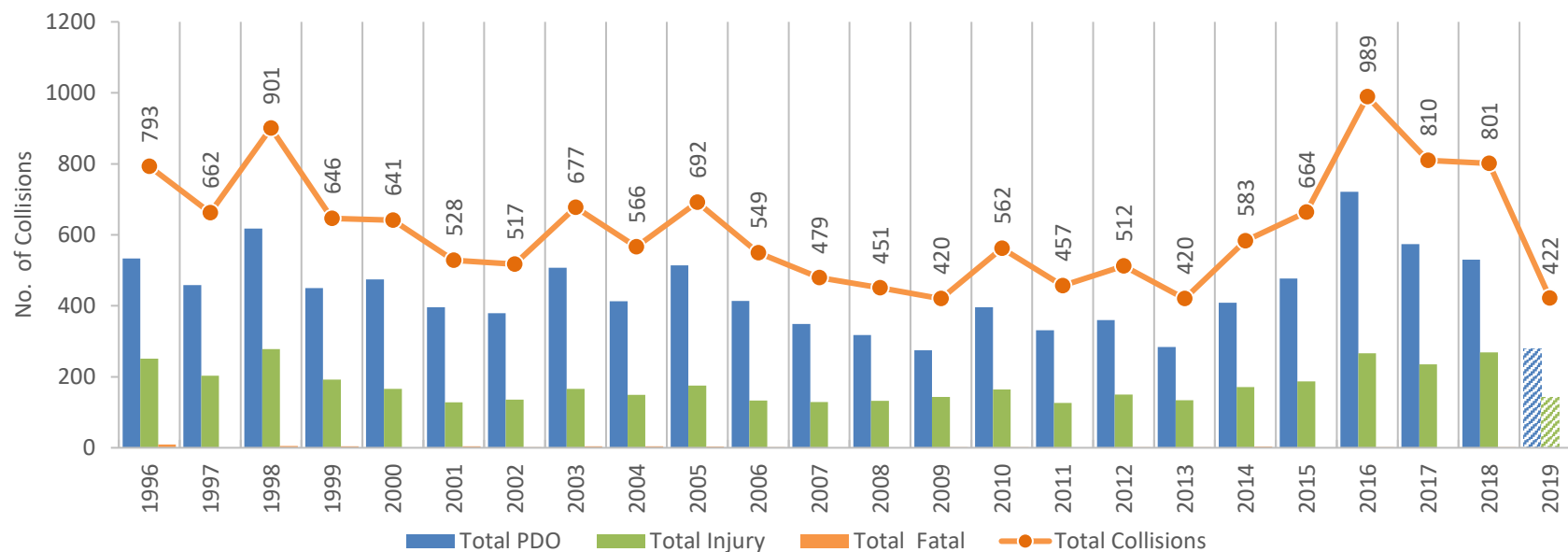
Highway 17 Collision Data 1996-2018

	Pre-Safe on 17						OTS Grant Funded						SCCRTC & MTC Funded													
Year	1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008	
San Jose/Santa Cruz	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC
PDO*	257	276	196	262	306	312	234	216	240	234	175	221	145	234	165	342	148	265	155	359	135	279	119	230	121	197
Injury	123	128	88	115	129	149	101	91	74	92	48	80	45	91	53	113	67	82	52	123	49	84	44	85	58	74
Fatal	5	4	0	1	0	5	0	4	1	0	2	2	0	2	0	4	3	1	0	3	1	1	0	1	1	0
Total	385	408	284	378	435	466	335	311	315	326	225	303	190	327	218	459	218	348	207	485	185	364	163	316	180	271
Total Collisions	793		662		901		646		641		528		517		677		566		692		549		479		451	
Hwy 17 Injury and Fatal Collisions	260		204		283		196		167		132		138		170		153		178		135		130		133	

*PDO=Property Damage Only

NOTE: Annual Average Injury and Fatal Collision prior to SAFE on 17 Program = 249; 3-Year Average Injury and Fatal Collision during OTS Grant period = 165; 2019 collision data only for January and February

Total Collision Data



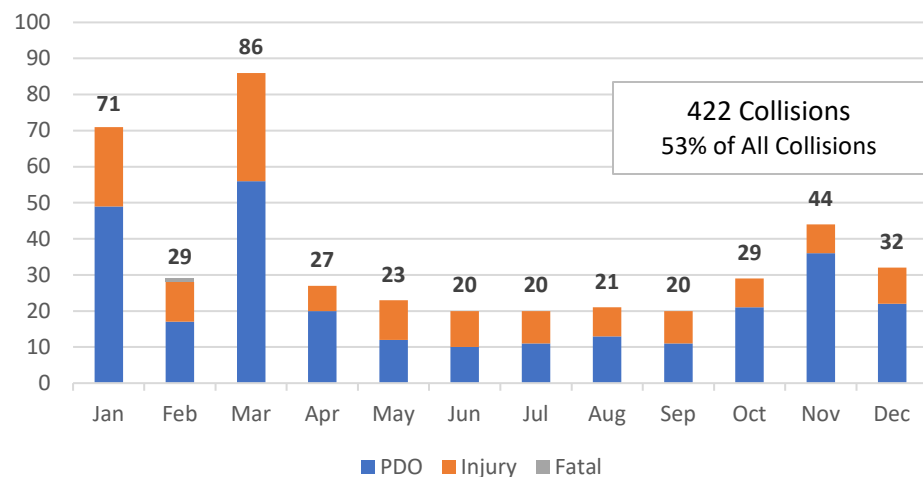
Highway 17 Collision Data 1996-2018

Year	SCCRTC & MTC Funded																					
	2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019	
San Jose/Santa Cruz	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC
PDO*	123	152	144	252	149	182	135	225	133	151	178	231	237	240	259	462	267	307	252	278	56	90
Injury	36	107	61	103	42	84	42	108	65	69	62	109	94	93	121	145	105	130	126	143	37	42
Fatal	0	2	1	1	0	0	1	1	1	1	2	1	0	0	2	0	1	0	1	1	2	1
<i>Total</i>	<i>159</i>	<i>261</i>	<i>206</i>	<i>356</i>	<i>191</i>	<i>266</i>	<i>178</i>	<i>334</i>	<i>199</i>	<i>221</i>	<i>242</i>	<i>341</i>	<i>331</i>	<i>333</i>	<i>382</i>	<i>607</i>	<i>373</i>	<i>437</i>	<i>379</i>	<i>422</i>	<i>95</i>	<i>133</i>
Total Collisions	420		562		457		512		420		583		664		989		810		801		228	
Hwy 17 Injury and Fatal Collisions	145		166		126		152		136		174		187		268		236		271		82	

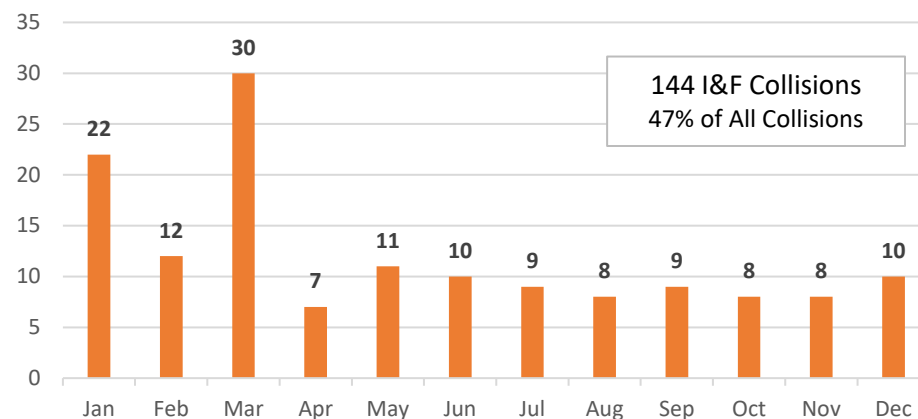
*PDO=Property Damage

2018 Monthly CHP Collisions Data by County

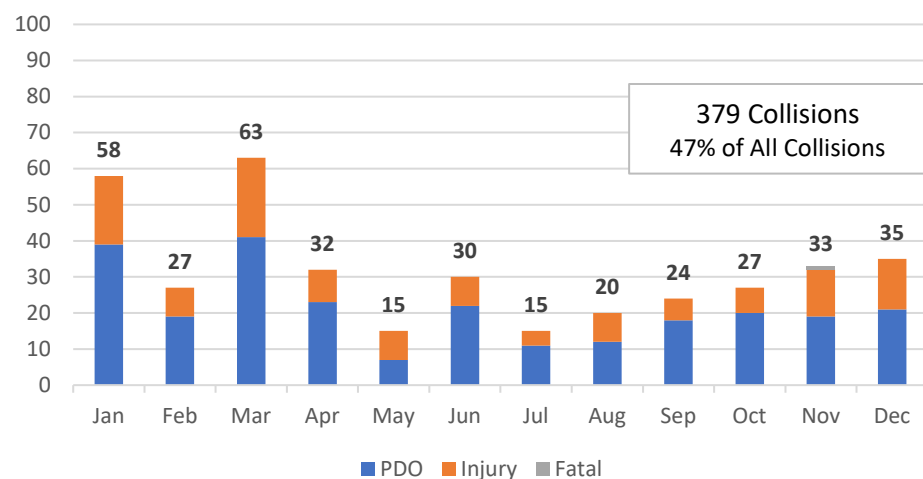
2018 Santa Cruz CHP Monthly Collisions



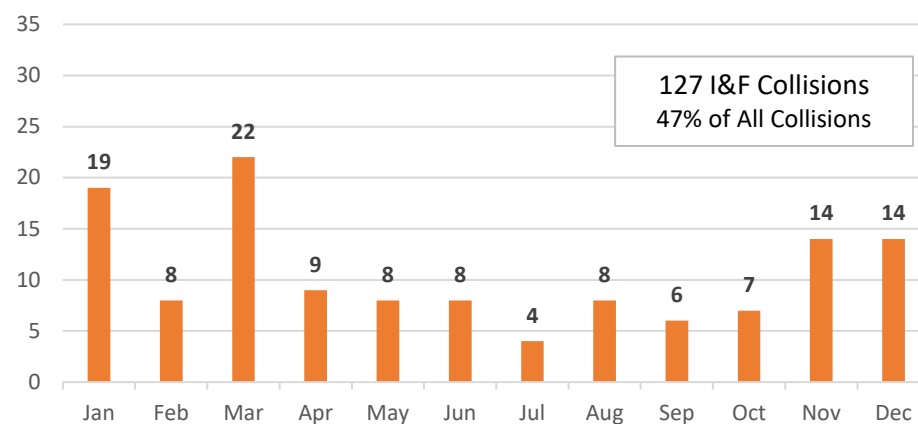
Monthly Injury & Fatal Collisions - Santa Cruz



2018 CHP San Jose Monthly Collisions



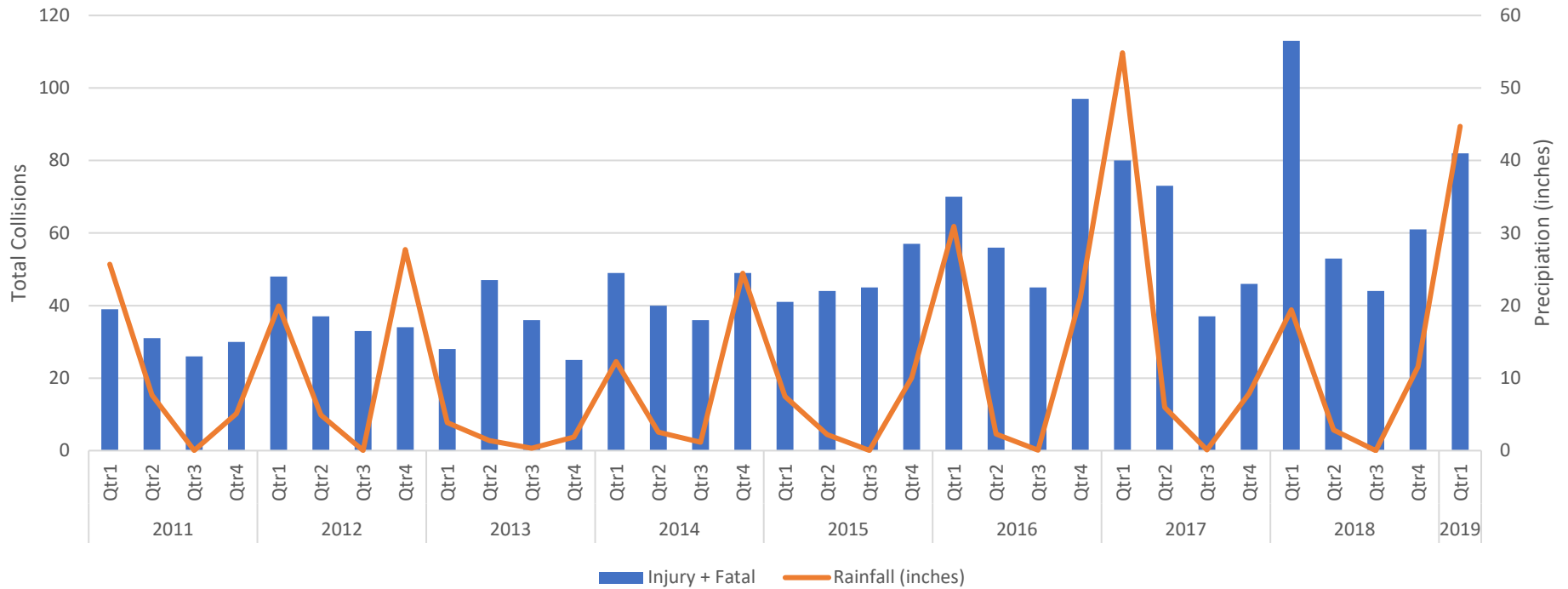
Monthly Injury & Fatal Collisions - San Jose



2018 Total Collisions: 801

2018 Total Injury + Fatal Collisions: 271
(34% of all Collisions are I&F)

Quarterly Rainfall and Collisions on Highway 17



Source: Global Historical Climatology Network (GHCN)-Daily via National Oceanic and Atmospheric Administration
<https://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:US1CASC0040/detail>

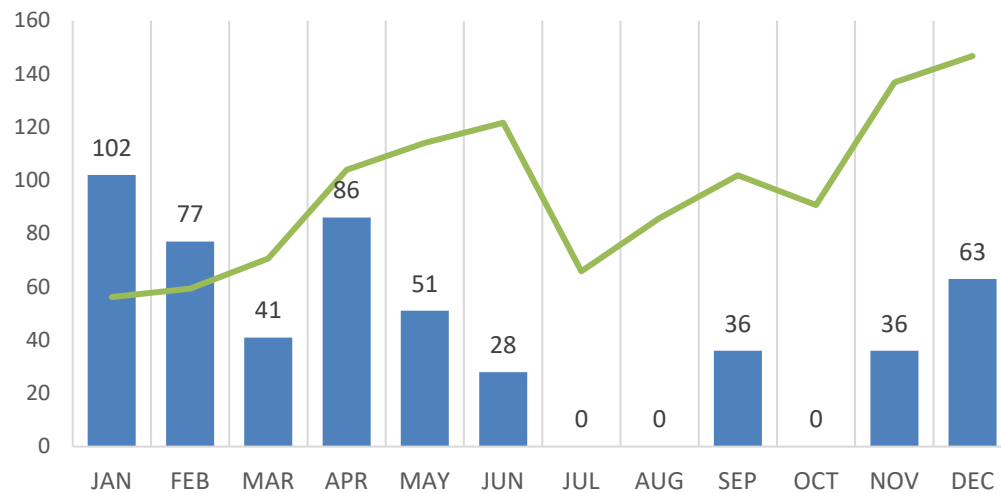
Total California Highway Patrol Extra Enforcement Hours Worked

ATTACHMENT 4

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	AVG 05-18
JAN	30	43	6	84	31	32		84	49	48	38	134	50	102	79	56
FEB	28	47	98	48	0	24		115	92	72	47	42	82	77	109	59
MAR	48	34	115	83	0	28	170	102	105	148	80	36	0	41		71
APR	82	55	42	20	36	28	320	107	186	148	81	121	145	86		104
MAY	82	24	159	3	66	43	267	128	172	100	151	188	165	51		114
JUN	101	207	167	50	28	66	112	198	140	419	49	70	69	28		122
JUL	124	97	108	90	52	33	109	0	87	32	62	95	34	0		66
AUG	164	60	112	142	151	51	139	6	109	113	64	64	28	0		86
SEP	175	68	69	42	238	26	137	135	97	160	86	60	101	36		102
OCT	108	415	30	55	90		89	130	42	81	58	66	16	0		91
NOV	140	187	298	206	248		100	124	75	102	72	112	80	36		137
DEC	250	79	272	621	51		86	129	0	80	48	93	137	63		147
TOTAL	1,331	1,315	1,474	1,443	989	330	1,528	1,257	1,152	1,503	836	1,080	907	520	188	96

 Moratorium on extra enforcement by Governor due to state budget crisis.

CHP Extra Enforcement Hours Worked by Month
2018 vs Monthly Average



*Monthly average derived from 2005 - 2018 data (excluding moratorium months)

■ 2018 Extra Hours Worked — Monthly Average*

ANNUAL HIGHWAY 17 CITATION DATA

Year	2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
San Jose/Santa Cruz	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC
Regular Time PCF	2,766	3,666	2,809	5,994	2,995	5,766	2,884	4,627	2,871	3,772	2,169	3,420	2,282	4,298	1,706	4,304	1,182	5,372	2,218	4,350	2,416	4,289
Regular Time Other	1,415	2,525	1,186	2,659	942	1,964	727	2,048	307	1,466	406	798	502	917	362	760	192	649	240	835	173	505
Regular Time Mechanical	56	286	92	180	49	676	85	298	44	405	69	421	82	165	54	394	175	206	437	202	364	455
Regular Time Total	4,237	6,477	4,087	8,833	3,986	8,406	3,696	6,973	3,222	5,643	2,644	4,639	2,866	5,380	2,122	5,458	1,549	6,227	2,895	5,387	2,953	5,249
OT PCF	1,517	345	706	359	769	448	770	448	1,360	378	1,181	507	837	171	50	221	672	452	640	577	387	802
OT Other	149	220	133	376	192	128	35	201	61	103	53	48	21	24	0	40	94	52	136	78	83	40
OT Mechanical	20	8	11	31	17	61	66	7	122	34	100	58	202	4	0	6	148	14	210	19	133	88
OT Total	1,686	573	850	766	978	637	871	656	1,543	515	1,334	613	1,060	199	50	267	914	518	986	674	603	930
Regular Time PCF Total		6,432		8,803		8,761		7,511		6,643		5,589		6,580		6,010		6,554		6,568		6,705
OT PCF Total		1,862		1,065		1,217		1,218		1,738		1,688		1,008		271		1,124		1,217		1,189
PCF Total		8,294		9,868		9,978		8,729		8,381		7,277		7,588		6,281		7,678		7,785		7,894
Regular Time Total		10,714		12,920		12,392		10,669		8,865		7,283		8,246		7,580		7,776		8,282		8,202
OT Total		2,259		1,616		1,615		1,527		2,058		1,947		1,259		317		1,432		1,660		1,533
Citation Total		12,973		14,536		14,007		12,196		10,923		9,230		9,505		7,897		9,208		9,942		9,735

PCF = Primary Collision Factor
OT = Overtime

ANNUAL HIGHWAY 17 CITATION DATA

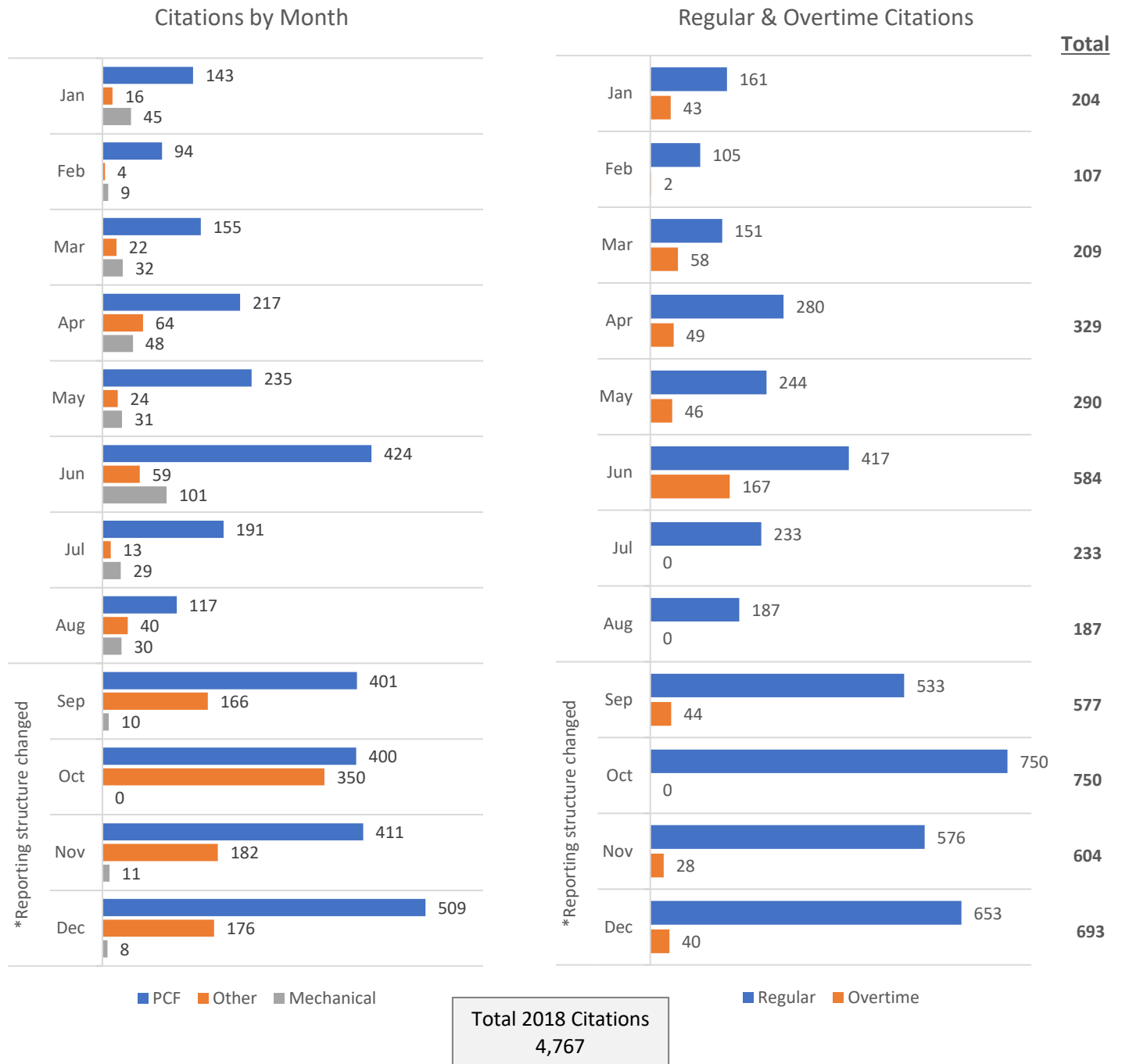
Year	2014		2015		2016		2017		2018		2019*	
San Jose/Santa Cruz	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC	SJ	SC
Regular Time PCF	1,910	3,444	1,193	3,085	1,607	2,149	1,959	1,920	457	2,959		673
Regular Time Other	223	350	123	293	240	468	292	219	87	1,082		278
Regular Time Mechanical	343	443	293	400	361	313	242	215	113	249		0
Regular Time Total	2,476	4,237	1,609	3,778	2,208	2,930	2,493	2,354	657	4,290	0	951
OT PCF	1,273	583	697	450	595	425	614	185	87	338	12	47
OT Other	122	46	26	21	36	36	59	28	181	34	113	2
OT Mechanical	246	74	139	19	123	40	125	15	78	105	8	16
OT Total	1,641	703	862	490	754	501	798	228	346	477	133	65
Regular Time PCF Total		5,354		4,278		3,756		3,879		3,416		673
OT PCF Total		1,856		1,147		1,020		799		425		59
PCF Total		7,210		5,425		4,776		4,678		3,841		732
Regular Time Total		6,713		5,387		5,138		4,847		4,947		951
OT Total		2,344		1,352		1,255		1,026		823		198
Citation Total		9,057		6,739		6,393		5,873		5,770		1,149

*Partial data (Jan/Feb)

PCF = Primary Collision Factor
OT = Overtime

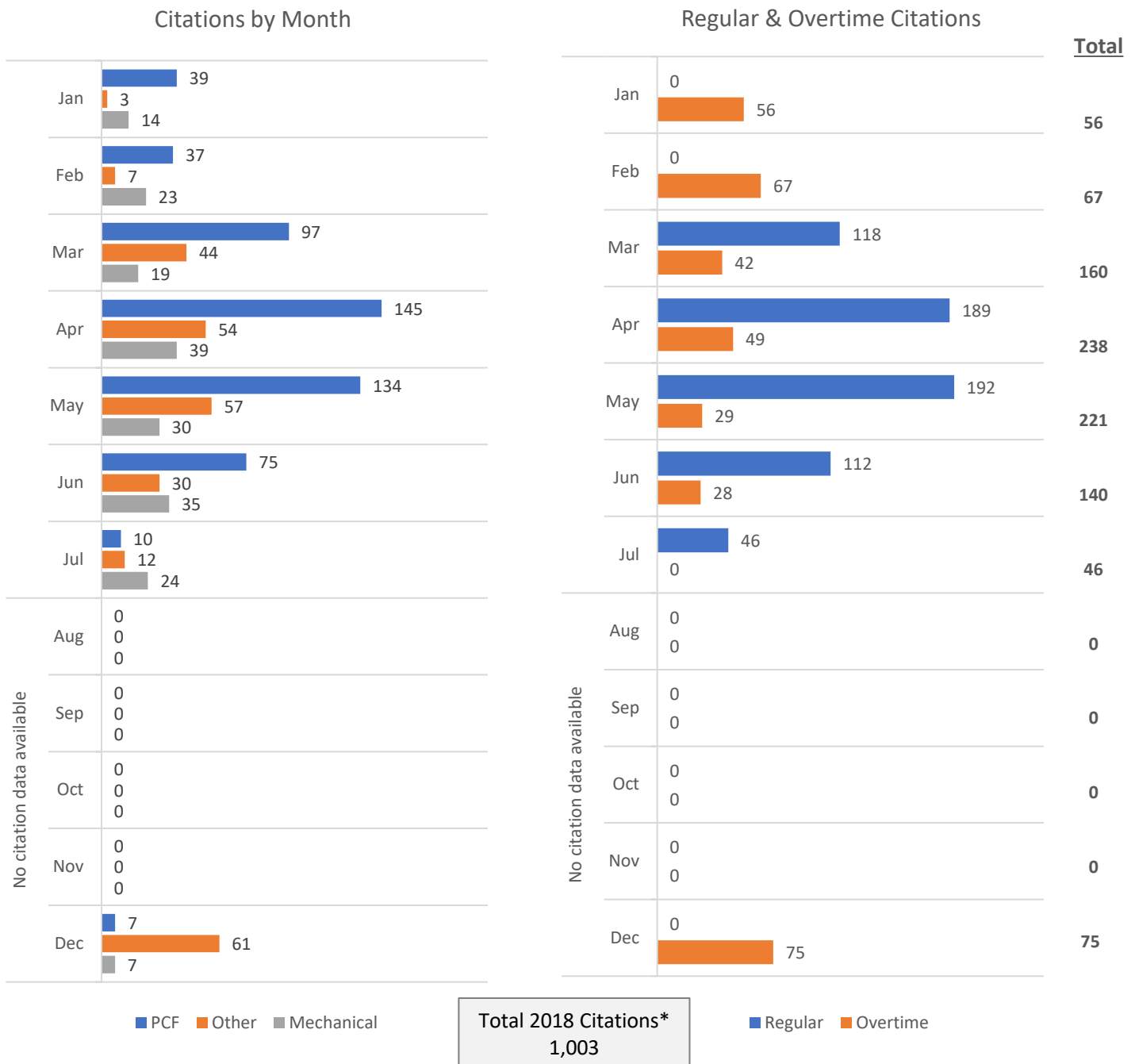
* Regular time citation data for CHP San Jose incomplete for 2017-current

2018 Monthly CHP Citations for Highway 17 in Santa Cruz County



* CHP Santa Cruz unable to identify “mechanical” regular citations separately from “other” regular citations issued from September to December

2018 Monthly CHP Citations for Highway 17 in Santa Clara County



* Regular Citation data not available for all of 2018

Santa Cruz CHP Collision Summary for SR-17

		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PDO	40	28	17	14	18	26	21	32	34	19	22	16	24	11	11	11	9	10	56	46	49	44
	INJURY	27	10	8	5	9	12	6	6	10	9	6	9	13	9	10	3	3	4	14	20	22	21
	FATAL	1	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	TOTAL	68	39	25	19	27	39	27	38	44	28	28	26	38	20	21	14	13	14	70	66	71	65
FEBRUARY	PDO	36	19	43	14	17	35	41	45	25	28	31	16	20	15	23	8	32	36	17	23	17	46
	INJURY	6	9	9	5	4	9	16	17	4	10	9	15	4	7	10	5	14	7	5	11	11	21
	FATAL	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TOTAL	42	29	52	19	21	44	58	62	29	38	40	31	24	22	33	13	46	43	22	34	29	68
MARCH	PDO	21	25	26	22	29	23	11	38	35	18	17	13	26	26	30	16	20	17	55	25	56	
	INJURY	11	12	6	5	11	9	7	16	14	2	6	13	7	14	20	6	13	8	22	11	30	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
	TOTAL	32	37	32	27	40	32	18	54	49	20	23	26	33	40	51	22	33	25	77	36	86	0
APRIL	PDO	39	27	13	24	22	59	16	45	41	22	20	18	28	18	15	13	19	18	31	48	20	
	INJURY	14	8	9	5	7	16	4	11	11	7	10	12	6	4	9	10	8	7	9	16	7	
	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	54	35	22	29	29	75	20	56	52	29	30	30	34	22	24	23	27	25	40	64	27	0
MAY	PDO	43	13	25	19	13	24	15	39	16	24	10	12	26	18	11	11	16	23	29	16	12	
	INJURY	25	9	15	13	7	11	5	13	8	9	5	16	8	7	6	8	9	7	10	10	11	
	FATAL	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	69	23	40	33	20	35	20	52	25	33	15	28	34	25	17	19	25	30	39	26	23	0
JUNE	PDO	23	12	15	14	11	23	6	24	13	15	10	13	11	9	14	11	11	14	18	20	10	
	INJURY	11	5	3	2	6	4	2	3	6	1	6	6	4	9	10	9	6	4	10	13	10	
	FATAL	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
	TOTAL	35	17	18	17	17	28	8	27	19	16	16	19	15	18	24	21	17	18	28	33	20	0
JULY	PDO	19	8	15	14	20	18	14	9	16	18	14	10	11	19	24	9	12	15	15	22	11	
	INJURY	5	7	7	8	5	4	5	5	4	4	6	6	9	5	9	10	9	7	8	9	9	
	FATAL	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	24	16	22	22	25	23	19	15	20	23	20	16	20	24	33	19	21	22	23	31	20	0
AUGUST	PDO	14	11	22	10	5	17	20	6	16	11	15	8	11	11	9	8	12	14	28	13	13	
	INJURY	10	2	7	7	4	7	7	4	5	4	4	1	5	2	4	4	5	4	7	3	8	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	24	13	29	17	9	24	27	10	21	15	19	9	16	13	13	12	17	18	35	16	21	0
SEPTEMBER	PDO	24	16	20	16	12	12	13	4	13	9	5	8	11	7	14	14	22	14	24	22	11	
	INJURY	13	4	8	4	8	1	6	6	4	3	9	7	7	7	4	5	9	11	8	11	9	
	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	38	20	28	20	21	13	19	10	17	12	14	15	18	14	18	19	31	25	32	33	20	0
OCTOBER	PDO	17	15	13	20	16	17	44	27	13	21	13	9	12	25	15	17	19	15	89	26	21	
	INJURY	4	11	8	2	5	9	6	12	3	9	3	5	13	8	10	4	14	7	20	9	8	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	21	26	21	22	21	26	50	39	16	30	16	14	25	33	25	21	33	22	109	35	29	0

Santa Cruz CHP Collision Summary for SR-17

		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NOVEMBER	PDO	31	29	16	26	23	28	21	47	36	11	19	13	27	16	29	20	39	15	48	30	36	
	INJURY	10	10	8	13	10	9	8	13	12	8	5	7	11	6	8	3	10	6	13	12	8	
	FATAL	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	41	39	24	39	34	38	29	60	48	19	24	20	38	22	37	23	49	21	61	42	44	0
DECEMBER	PDO	5	13	9	28	48	60	43	43	21	34	21	16	45	7	30	13	20	49	52	16	22	
	INJURY	13	4	4	11	15	22	10	17	3	19	5	10	16	6	8	2	9	21	19	5	10	
	FATAL	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	
	TOTAL	18	17	13	39	63	82	53	62	24	53	26	27	61	13	38	15	29	70	71	21	32	0
TOTAL PDO:		312	216	234	221	234	342	265	359	279	230	197	152	252	182	225	151	231	240	462	307	278	90
TOTAL INJURY:		149	91	92	80	91	113	82	123	84	85	74	107	103	84	108	69	109	93	145	130	143	42
TOTAL FATALITIES:		5	4	0	2	2	4	1	3	1	1	0	2	1	0	1	1	1	0	0	0	1	1
TOTAL COLLISIONS:		466	311	326	303	327	459	348	485	364	316	271	261	356	266	334	221	341	333	607	437	422	133

Santa Cruz Area CHP SR-17 Citation Summary

Regular Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PCF	637	537	557	275	129	261	287	396	401	368	413	354	201	89	112	259
	Other	235	120	192	148	106	92	68	84	68	69	43	26	15	12	12	128
	Mechanical	29	58	18	9	3	21	16	30	21	17	73	44	41	15	37	-
	TOTAL	901	715	767	432	238	374	371	510	490	454	529	424	257	116	161	387
FEBRUARY	PCF	526	392	550	359	166	271	303	420	478	309	325	253	286	78	92	414
	Other	183	137	213	102	52	59	65	70	68	63	22	18	68	5	4	150
	Mechanical	7	69	9	32	29	7	10	19	19	23	38	51	37	5	9	-
	TOTAL	716	598	772	493	247	337	378	509	565	395	385	322	391	88	105	564
MARCH	PCF	671	595	501	451	252	262	322	351	422	354	273	341	286	60	113	
	Other	252	173	202	117	66	73	44	42	86	111	29	33	46	13	19	
	Mechanical	20	58	75	42	32	19	21	29	11	20	40	38	27	7	19	
	TOTAL	943	826	778	610	350	354	387	422	519	485	342	412	359	80	151	0
APRIL	PCF	510	479	428	285	191	312	324	431	283	365	346	290	278	100	187	
	Other	228	154	229	76	56	63	86	49	88	29	22	22	72	10	57	
	Mechanical	13	46	64	14	24	11	36	23	15	16	36	30	20	10	36	
	TOTAL	751	679	721	375	271	386	446	503	386	410	404	375	370	120	280	0
MAY	PCF	568	448	345	369	233	454	429	505	455	444	375	310	296	280	199	
	Other	242	168	63	154	78	85	46	82	77	27	22	32	54	20	22	
	Mechanical	10	53	55	26	47	22	69	14	25	45	22	33	34	12	23	
	TOTAL	820	669	463	549	358	561	544	601	557	516	419	375	384	312	244	0
JUNE	PCF	398	640	470	365	271	483	523	391	291	339	303	154	152	102	302	
	Other	215	225	131	152	88	73	42	68	58	29	33	21	54	20	49	
	Mechanical	8	62	10	38	39	9	68	3	13	65	24	55	46	20	66	
	TOTAL	621	927	611	555	398	565	633	462	362	433	360	230	252	142	417	0
JULY	PCF	468	359	303	302	266	396	446	378	288	331	220	245	159	232	191	
	Other	255	177	199	110	74	82	38	67	69	35	21	31	62	46	13	
	Mechanical	6	61	13	44	59	7	82	4	8	74	34	50	33	44	29	
	TOTAL	729	597	515	456	399	485	566	449	365	440	275	326	254	322	233	0
AUGUST	PCF	447	427	244	346	266	470	498	585	317	477	317	289	106	135	117	
	Other	240	198	206	167	47	89	84	35	78	32	56	27	41	54	40	
	Mechanical	16	68	11	75	27	17	24	18	25	34	55	23	21	24	30	
	TOTAL	703	693	461	588	340	576	606	638	420	543	428	339	168	213	187	0
SEPTEMBER	PCF	487	494	359	402	265	424	389	472	334	338	240	284	99	147	370	
	Other	219	142	148	182	24	105	95	37	58	31	43	31	7	10	163	
	Mechanical	10	57	12	5	43	18	32	18	19	31	45	36	19	12	-	
	TOTAL	716	693	519	589	332	547	516	527	411	400	328	351	125	169	533	0
OCTOBER	PCF	378	314	328	194	337	322	307	540	457	381	224	229	88	82	400	
	Other	233	152	155	93	30	79	47	47	57	24	31	33	9	3	350	
	Mechanical	20	47	8	34	43	9	10	14	15	41	32	36	10	16	-	
	TOTAL	631	513	491	321	410	410	364	601	529	446	287	298	116	101	750	0

Santa Cruz Area CHP SR-17 Citation Summary

Regular Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NOVEMBER	PCF	512	557	274	209	590	270	267	449	327	319	238	199	123	295	396	
	Other	217	165	143	65	48	53	80	25	53	31	24	6	16	9	180	
	Mechanical	18	59	13	47	75	10	15	18	17	47	28	2	16	20	-	
	TOTAL	747	781	430	321	713	333	362	492	397	397	290	207	155	324	576	0
DECEMBER	PCF	383	524	268	215	454	373	209	454	297	264	170	137	75	320	480	
	Other	140	153	167	100	45	64	65	43	75	24	4	13	24	17	173	
	Mechanical	23	38	10	39	84	15	11	16	14	42	16	2	9	30	-	
	TOTAL	546	715	445	354	583	452	285	513	386	330	190	152	108	367	653	0
ANNUAL TOTALS:		8,824	8,406	6,973	5,643	4,639	5,380	5,458	6,227	5,387	5,249	4,237	3,811	2,939	2,354	4,290	951

Santa Cruz Area CHP SR-17 Citation Summary

Overtime Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PCF	20	18	45	2	0	0	32	0	49	6	56	0	51	0	31	43
	Other	12	8	18	3	0	0	5	0	6	0	5	0	2	0	4	1
	Mechanical	0	1	1	0	0	0	0	0	0	0	12	0	3	0	8	16
	TOTAL	32	27	64	5	0	0	37	0	55	6	73	0	56	0	43	60
FEBRUARY	PCF	41	22	30	63	40	0	24	0	43	52	55	74	62	0	2	4
	Other	29	8	5	17	2	1	5	0	7	2	1	2	10	0	0	1
	Mechanical	0	5	0	13	1	0	0	0	1	5	2	3	2	0	0	0
	TOTAL	70	35	35	93	43	1	29	0	51	59	58	79	74	0	2	5
MARCH	PCF	27	25	67	64	33	0	16	14	46	57	50	51	44	0	42	
	Other	6	8	15	9	7	0	3	0	4	4	4	2	5	0	3	
	Mechanical	1	3	0	4	5	0	1	0	5	11	11	2	3	0	13	
	TOTAL	34	36	82	77	45	0	20	14	55	72	65	54	52	0	58	0
APRIL	PCF	28	28	47	32	31	39	38	56	40	112	61	75	70	17	30	
	Other	14	7	33	8	8	7	3	6	7	1	4	2	2	1	7	
	Mechanical	1	9	2	1	7	2	0	0	0	2	10	6	2	2	12	
	TOTAL	43	44	82	41	46	48	41	62	47	115	75	83	74	20	49	0
MAY	PCF	44	28	13	48	35	31	24	64	84	112	50	32	34	43	36	
	Other	20	9	7	8	10	3	12	4	9	8	1	3	0	1	2	
	Mechanical	0	4	0	3	4	1	2	0	5	16	2	3	2	4	8	
	TOTAL	64	41	20	59	49	35	38	68	98	136	53	38	36	48	46	0
JUNE	PCF	13	78	71	42	38	25	31	36	47	85	51	0	26	24	122	
	Other	19	20	33	13	3	2	6	8	5	6	5	0	2	3	10	
	Mechanical	1	9	0	2	6	0	2	0	1	14	7	0	4	2	35	
	TOTAL	33	107	104	57	47	27	39	44	53	105	63	0	32	29	177	0
JULY	PCF	18	43	46	43	7	26	27	49	0	64	38	75	62	0	0	
	Other	13	17	32	16	1	1	2	8	0	4	4	5	3	0	0	
	Mechanical	0	13	2	6	2	0	1	0	0	24	10	2	14	0	0	
	TOTAL	31	73	80	65	10	27	30	57	0	92	52	82	79	0	4	0
AUGUST	PCF	27	62	22	25	18	4	15	51	7	107	61	30	26	24	0	
	Other	9	21	13	10	2	0	3	5	4	4	8	1	1	7	0	
	Mechanical	0	10	1	5	3	0	0	2	0	6	7	0	1	2	0	
	TOTAL	36	93	36	40	23	4	18	58	11	117	76	31	28	33	0	0
SEPTEMBER	PCF	22	35	47	31	22	5	14	46	74	83	47	55	14	0	31	
	Other	11	5	16	8	2	3	1	5	14	0	4	3	3	0	3	
	Mechanical	0	2	0	0	1	0	0	1	5	1	6	0	0	0	10	
	TOTAL	33	42	63	39	25	8	15	52	93	84	57	58	17	0	44	0
OCTOBER	PCF	13	16	20	4	30	19	0	44	87	63	30	58	13	0	0	
	Other	19	3	10	0	2	3	0	11	10	4	4	3	2	0	0	
	Mechanical	1	0	0	0	3	0	0	2	2	2	2	3	2	0	0	
	TOTAL	33	19	30	4	35	22	0	57	99	69	36	64	17	0	0	0

Santa Cruz Area CHP SR-17 Citation Summary

Overtime Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NOVEMBER	PCF	34	29	6	11	134	11	0	49	63	61	59	0	14	30	15	
	Other	27	9	6	4	7	3	0	4	3	7	5	0	6	7	2	
	Mechanical	2	6	0	0	15	1	0	5	0	7	5	0	5	4	11	
	TOTAL	63	44	12	15	156	15	0	58	66	75	69	0	20	41	28	0
DECEMBER	PCF	58	78	34	13	119	11	0	43	37	0	25	0	9	47	29	
	Other	39	16	13	7	4	1	0	1	9	0	1	0	0	9	3	
	Mechanical	2	4	1	0	11	0	0	4	0	0	0	0	2	1	8	
	TOTAL	99	98	48	20	134	12	0	48	46	0	26	0	11	57	40	0
ANNUAL TOTALS:		571	659	656	515	613	199	267	518	674	930	703	489	496	228	491	65

San Jose Area CHP Collision Summary for SR-17

		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PDO	53	25	24	13	9	12	18	11	19	11	8	5	9	17	6	8	14	15	18	24	39	35
	INJURY	17	15	8	2	2	5	8	3	2	6	5	4	4	3	3	0	3	4	7	13	19	24
	FATAL	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	TOTAL	70	40	32	15	11	17	27	14	21	17	13	9	13	20	9	8	18	19	25	37	58	60
FEBRUARY	PDO	31	23	32	7	11	8	11	10	7	14	14	12	6	11	8	15	16	10	13	35	19	21
	INJURY	6	14	10	2	5	2	7	5	4	6	6	6	5	2	3	6	7	9	7	9	8	13
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	TOTAL	37	37	42	9	16	10	18	15	11	20	20	18	11	13	11	21	23	19	20	44	27	35
MARCH	PDO	29	18	20	20	5	17	10	19	13	11	5	14	11	17	12	14	12	22	45	29	41	
	INJURY	18	9	7	5	5	5	9	3	3	3	3	2	5	4	1	8	7	9	14	16	22	
	FATAL	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
	TOTAL	47	27	28	25	10	22	19	22	16	14	8	16	16	21	13	22	19	31	60	45	63	0
APRIL	PDO	24	15	23	12	16	16	9	11	15	5	8	10	9	10	16	10	14	26	24	33	23	
	INJURY	11	7	3	3	4	7	5	4	7	7	3	5	6	3	5	9	8	7	9	21	9	
	FATAL	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	1	0	0	
	TOTAL	35	22	26	15	20	23	14	15	23	12	12	15	15	13	22	19	22	33	34	54	32	0
MAY	PDO	40	16	27	16	9	5	13	13	10	5	5	16	11	10	11	2	14	25	16	25	7	
	INJURY	14	3	10	5	3	2	6	6	7	0	7	5	4	4	2	5	5	10	10	9	8	
	FATAL	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	54	19	37	21	12	7	20	19	17	5	12	21	15	14	13	7	19	35	26	34	15	0
JUNE	PDO	19	16	17	12	17	10	6	9	13	9	3	13	15	16	20	12	8	19	18	17	22	
	INJURY	13	7	4	3	4	3	4	3	2	3	4	2	3	4	4	5	4	9	7	4	8	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	32	23	21	15	21	13	10	12	15	12	7	15	18	20	24	17	12	28	25	21	30	0
JULY	PDO	10	16	18	12	15	13	17	15	10	9	8	7	16	14	5	12	14	15	16	12	11	
	INJURY	10	7	5	4	4	4	6	1	5	3	6	2	7	5	8	6	6	10	11	8	4	
	FATAL	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	
	TOTAL	20	23	23	17	19	17	23	16	15	12	14	9	24	19	13	18	21	25	27	20	15	0
AUGUST	PDO	19	23	14	13	15	12	9	13	9	13	10	9	8	14	10	15	11	18	13	6	12	
	INJURY	4	7	5	7	3	6	4	2	1	2	7	2	8	6	4	6	3	5	6	0	8	
	FATAL	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	23	30	19	21	18	18	14	15	10	15	17	11	16	20	14	21	14	23	19	6	20	0
SEPTEMBER	PDO	21	12	20	21	3	11	10	6	5	8	10	7	10	9	13	18	17	20	15	18	18	
	INJURY	6	6	10	4	4	5	4	3	0	1	2	0	4	1	4	5	3	8	5	6	6	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	27	18	30	25	7	16	14	9	5	9	12	7	14	10	17	23	20	28	20	24	24	0
OCTOBER	PDO	12	27	14	18	12	19	17	21	13	14	10	8	30	14	12	6	26	25	29	11	20	
	INJURY	11	4	2	7	2	2	5	8	5	6	3	3	2	5	3	5	4	6	18	5	7	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
	TOTAL	23	31	16	25	14	21	22	29	18	20	13	11	32	19	15	11	30	31	47	17	27	0

San Jose Area CHP Collision Summary for SR-17

NOVEMBER	PDO	38	31	16	16	10	22	12	11	11	7	20	11	12	9	12	14	17	18	27	42	19	
	INJURY	12	15	4	1	4	6	3	8	6	3	9	1	6	4	4	7	7	9	6	10	13	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	TOTAL	50	46	20	17	14	28	15	19	17	10	29	12	18	13	16	21	24	27	33	52	33	0
DECEMBER	PDO	10	12	15	15	23	20	16	16	10	13	20	11	7	8	10	7	15	24	25	15	21	
	INJURY	7	7	6	5	5	6	6	6	7	4	3	4	7	1	1	3	5	8	21	4	14	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
	TOTAL	17	19	21	20	28	26	22	22	17	17	23	15	14	9	11	11	20	32	46	19	35	0
TOTAL PDO:		306	234	240	175	145	165	148	155	135	119	121	123	144	149	135	133	178	237	259	267	252	56
TOTAL INJURY:		129	101	74	48	45	53	67	52	49	44	58	36	61	42	42	65	62	94	121	105	126	37
TOTAL FATALITIES:		0	0	1	2	0	0	3	0	1	0	1	0	1	0	1	1	2	0	2	1	1	2
TOTAL COLLISIONS:		435	335	315	225	190	218	218	207	185	163	180	159	206	191	178	199	242	331	382	373	379	95

San Jose Area CHP SR-17 Citation Summary

Regular Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PCF	173	178	258	174	172	102	126	96	150	279	158	69	58	109		
	Other	49	67	36	45	37	26	20	32	40	25	14	21	12	55		
	Mechanical	9	7	15	6	8	5	2	3	13	13	42	34	10	41		
	TOTAL	231	252	309	225	217	133	148	131	203	317	214	124	80	205	0	0
FEBRUARY	PCF	182	224	258	131	95	78	109	94	211	284	59	138	80	84		
	Other	30	89	38	31	26	34	23	7	14	7	13	12	6	9		
	Mechanical	23	1	6	7	6	1	4	2	26	48	20	33	32	12		
	TOTAL	235	314	302	169	127	113	136	103	251	339	92	183	118	105	0	0
MARCH	PCF	399	274	197	302	158	115	114	101	154	276	220	137	103	218	97	
	Other	167	71	75	20	29	32	6	15	19	13	32	11	10	59	8	
	Mechanical	4	2	18	1	12	6	1	10	38	42	30	19	26	38	13	
	TOTAL	570	347	290	323	199	153	121	126	211	331	282	167	139	315	118	0
APRIL	PCF	259	303	216	108	154	121	110	199	114	223	240	114	122	376	141	
	Other	84	104	69	15	31	40	28	9	20	11	30	14	16	39	21	
	Mechanical	7	2	4	4	1	4	2	42	49	43	26	25	20	42	27	
	TOTAL	350	409	289	127	186	165	140	250	183	277	296	153	158	457	189	0
MAY	PCF	289	206	306	325	176	252	242	154	165	324	201	152	91	587	134	
	Other	174	77	72	17	36	88	30	36	32	13	16	14	12	60	34	
	Mechanical	5	7	2	2	3	13	6	33	32	35	42	28	25	43	24	
	TOTAL	468	290	380	344	215	353	278	223	229	372	259	194	128	690	192	0
JUNE	PCF	343	304	307	346	90	153	267	91	267	197	233	114	70	483	75	
	Other	100	120	62	33	32	29	42	12	40	23	15	8	15	50	12	
	Mechanical	7	7	7	1	1	10	6	11	57	58	29	38	30	34	25	
	TOTAL	450	431	376	380	123	192	315	114	364	278	277	160	115	567	112	0
JULY	PCF	222	161	233	223	201	169	174	87	135	155	73	48	85	102	10	
	Other	149	108	63	25	24	32	46	18	14	10	21	6	20	20	12	
	Mechanical	11	5	3	2	3	2	6	7	16	25	34	25	32	32	24	
	TOTAL	382	274	299	250	228	203	226	112	165	190	128	79	137	154	46	0
AUGUST	PCF	187	388	180	178	249	248	124	76	178	154	200	57	145			
	Other	113	125	45	12	35	36	32	21	9	10	21	9	23			
	Mechanical	6	6	3	1	6	2	8	18	21	18	31	26	41			
	TOTAL	306	519	228	191	290	286	164	115	208	182	252	92	209	0	0	0
SEPTEMBER	PCF	258	292	252	188	80	300	125	37	194	193	146	115	226			
	Other	113	86	52	19	28	58	42	13	14	11	13	5	34			
	Mechanical	3	1	8	0	2	12	7	21	35	18	30	20	33			
	TOTAL	374	379	312	207	110	370	174	71	243	222	189	140	293	0	0	0
OCTOBER	PCF	220	214	230	232	105	223	115	101	175	98	167	70	159			
	Other	59	30	98	21	26	45	27	17	17	24	23	8	28			
	Mechanical	5	2	3	3	2	10	7	11	55	18	28	10	39			
	TOTAL	284	246	331	256	133	278	149	129	247	140	218	88	226	0	0	0

San Jose Area CHP SR-17 Citation Summary

Regular Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NOVEMBER	PCF	170	282	322	372	63	371	79	56	277	116	116	93	320			
	Other	101	28	81	31	40	69	17	2	16	20	17	10	34			
	Mechanical	9	6	14	1	2	13	1	5	34	26	20	25	38			
	TOTAL	280	316	417	404	105	453	97	63	327	162	153	128	392	0	0	0
DECEMBER	PCF	107	169	116	292	626	150	121	90	198	117	97	86	148			
	Other	47	37	36	38	62	13	49	10	5	6	8	5	30			
	Mechanical	3	3	2	16	23	4	4	12	61	20	11	10	35			
	TOTAL	157	209	154	346	711	167	174	112	264	143	116	101	213	0	0	0
ANNUAL TOTALS:		4,087	3,986	3,687	3,222	2,644	2,866	2,122	1,549	2,895	2,953	2,476	1,609	2,208	2,493	657	-

San Jose Area CHP SR-17 Citation Summary

Overtime Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
JANUARY	PCF	129	0	0	0	129	0	0	0	33	1	0	46	20	20	39	2
	Other	27	0	0	0	29	0	0	0	7	49	0	1	2	2	3	34
	Mechanical	0	0	0	0	11	0	0	0	21	19	0	8	11	5	14	5
	TOTAL	156	0	0	0	169	0	0	0	61	69	0	55	33	27	56	41
FEBRUARY	PCF	51	0	0	0	0	0	0	0	43	75	0	62	55	0	37	10
	Other	11	0	0	0	0	0	0	0	16	3	0	1	1	0	7	79
	Mechanical	1	0	0	0	0	0	0	0	20	17	0	19	20	0	23	3
	TOTAL	63	0	0	0	0	0	0	0	79	95	0	82	76	0	67	92
MARCH	PCF	33	5	0	75	80	0	0	85	38	58	159	60	70	0	0	
	Other	3	6	0	3	3	0	0	20	7	1	4	1	2	0	36	
	Mechanical	4	1	0	5	14	0	0	14	13	13	21	5	28	0	6	
	TOTAL	40	12	0	83	97	0	0	119	58	72	184	66	100	0	42	0
APRIL	PCF	98	46	0	0	0	0	0	185	59	82	102	62	94	88	4	
	Other	26	14	0	0	0	0	0	31	7	11	14	4	3	18	33	
	Mechanical	0	0	0	0	0	0	0	11	25	30	14	9	13	10	12	
	TOTAL	124	60	0	0	0	0	0	227	91	123	130	75	110	116	49	0
MAY	PCF	69	41	0	185	0	0	0	119	89	93	74	71	40	131	0	
	Other	1	16	0	15	0	0	0	1	17	13	6	5	1	8	23	
	Mechanical	1	1	0	14	0	0	0	21	14	21	16	18	8	13	6	
	TOTAL	71	58	0	214	0	0	0	141	120	127	96	94	49	152	29	0
JUNE	PCF	0	47	91	192	0	0	50	33	177	78	691	107	32	38	0	
	Other	0	3	6	5	0	0	0	0	19	6	78	6	2	6	18	
	Mechanical	0	1	5	3	0	0	0	5	47	33	145	30	15	10	10	
	TOTAL	0	51	102	200	0	0	50	38	243	117	914	143	49	54	28	0
JULY	PCF	36	78	0	70	129	153	0	39	0	0	0	43	0	0	0	
	Other	11	18	0	3	1	2	0	3	0	0	0	2	0	0	0	
	Mechanical	2	0	0	7	1	5	0	12	0	0	0	7	0	0	0	
	TOTAL	49	96	0	80	131	160	0	54	0	0	0	52	0	0	0	0
AUGUST	PCF	26	90	0	116	204	0	0	42	0	0	74	30	56	48	0	
	Other	0	12	0	6	1	0	0	4	0	0	4	1	3	7	0	
	Mechanical	2	0	0	8	8	0	0	8	0	0	13	10	10	12	0	
	TOTAL	28	102	0	130	213	0	0	54	0	0	91	41	69	67	0	0
SEPTEMBER	PCF	69	176	12	40	0	285	0	68	49	0	47	82	56	82	0	
	Other	27	36	0	5	0	8	0	12	4	0	10	0	6	9	0	
	Mechanical	1	1	1	15	0	69	0	19	36	0	13	10	5	13	0	
	TOTAL	97	213	13	60	0	362	0	99	89	0	70	92	67	104	0	0
OCTOBER	PCF	64	90	246	0	0	52	0	49	45	0	49	61	68	57	0	
	Other	11	31	13	0	0	2	0	2	48	0	2	3	5	4	0	
	Mechanical	0	1	30	0	0	30	0	15	2	0	9	2	4	21	0	
	TOTAL	75	122	289	0	0	84	0	66	95	0	60	66	77	82	0	0

San Jose Area CHP SR-17 Citation Summary

Overtime Citations

		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NOVEMBER	PCF	85	103	199	352	18	347	0	45	45	0	34	53	46	105	0	
	Other	13	40	11	19	0	9	0	11	5	0	1	0	6	3	0	
	Mechanical	0	11	19	34	0	98	0	16	13	0	11	10	5	27	0	
	TOTAL	98	154	229	405	18	454	0	72	63	0	46	63	57	135	0	0
DECEMBER	PCF	46	93	222	330	621	0	0	7	62	0	43	20	58	45	7	
	Other	3	16	5	5	19	0	0	10	6	0	3	2	5	2	61	
	Mechanical	0	1	11	36	66	0	0	27	19	0	4	11	4	14	7	
	TOTAL	49	110	238	371	706	0	0	44	87	0	50	33	67	61	75	0
ANNUAL TOTALS:		850	978	871	1,543	1,334	1,060	50	914	986	603	1,641	862	754	798	346	133



PRESS RELEASE

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Sven Miller, Commander
Office of Community Outreach & Media Relations
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FOR IMMEDIATE RELEASE

October 29, 2018

18-34

GRANT HELPS FUND DUI PREVENTION IN CALIFORNIA

SACRAMENTO, Calif. – A campaign to reduce impaired driving, supported by the California Highway Patrol (CHP) and the California Office of Traffic Safety (OTS), will focus on education and enforcement. The new *Reducing Alcohol Impaired Driving (RAID)* program will run from October 1, 2018, to September 30, 2019.

The *RAID* grant enables the CHP to conduct additional driving under the influence (DUI) checkpoints, DUI saturation patrols, and traffic safety education activities throughout California. The primary goal of this effort is to make roadways safer by stopping DUI drivers and educating the public on the dangers of impaired driving. Additionally, the CHP will actively participate in California's *Drive Sober or Get Pulled Over* efforts.

“Our goal with this aggressive education and enforcement campaign is to stop drivers from making the poor decision to drink and drive,” CHP Commissioner Warren Stanley said. “Most motorists are responsible people who do not drive under the influence. Please choose to put the lives of families and other motorists first.”

In 2016, California experienced 572 deaths and 12,450 injuries caused by impaired driving collisions within CHP jurisdiction. While alcohol is a primary factor for many impaired driving collisions, the presence of drugs in fatal and injury collisions continues to increase. Driving under the influence of alcohol, cannabis, prescription or illicit drugs, or any impairing combination of alcohol and drugs, is illegal. A driver's judgment and ability to react are both impaired when driving high. Driving either drunk or high is a DUI.

The CHP urges drivers to think ahead before getting on the road if they plan to drink. Designate a sober driver, call a friend or family member, or use public transportation or a ride-hailing service. There is always a better option than getting behind the wheel while impaired. The public is also reminded to call 9-1-1 if they see a suspected DUI driver. Be prepared to provide a location, direction of travel, and vehicle description.

Funding for this program was provided by a grant from the California Office of Traffic Safety through the National Highway Traffic Safety Administration.

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PRESS RELEASE

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FOR IMMEDIATE RELEASE

October 22, 2018

18-32

CHP FOCUSES ON REDUCING TEEN DISTRACTED DRIVING

SACRAMENTO, Calif. – Collisions are the number one killer of teens in the United States and distracted driving is often the cause. The California Highway Patrol (CHP) is working with Impact Teen Drivers (ITD) on a year-long program to help eliminate these preventable collisions.

With a one-year grant that started October 1, 2018, the CHP and ITD are working at schools and community events throughout California to help teen drivers. The *Teen Distracted Drivers Education and Enforcement* grant includes an education component as well as enforcement operations. The message of the program is simple: focus on the road ahead and get where you are going safely.

“Any distraction can be dangerous for a driver, but young drivers are at the highest risk,” CHP Commissioner Warren Stanley said. “Electronic devices, other people in the car, adjusting vehicle controls – these are just a few ways any driver can be distracted. Our goal is to protect young drivers through education.”

A study by the National Highway Traffic Safety Administration in 2016 found that nine percent of drivers 15 to 19 years old involved in fatal collisions were reported as distracted. This age group has the largest proportion of drivers who were distracted at the time of the fatal collisions. The study also found that hand-held cell phone use while driving is highest among 15- to 29-year-old drivers.

“We are privileged to work with the California Highway Patrol to stop the number one killer of teens in California—preventable car crashes,” Dr. Kelly Browning, Executive Director of Impact Teen Drivers, said. “Through a strong combination of education and enforcement, we can change the driving culture to one that is distraction free.”

Funding for this program was provided by a grant from the California Office of Traffic Safety through the National Highway Traffic Safety Administration.

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Safe on 17

 sccfd.org/community-education/emergency-preparedness/safe-on-17



WHY IT'S IMPORTANT TO BE SAFE ON 17

The Highway 17 corridor was identified as a high collision corridor in 1998 as a result of collision data analysis and recommendations of local, regional, county and state agencies. Collision reduction strategies, including enforcement and road improvements have made some positive impact. However, in recent years, Highway 17 from Los Gatos to the Summit has seen a steady rise in collisions.

Accidents on the highway present one of the greatest hazards to the public and our responders.

HIGHWAY HAZARDS

Over 63,000 people commute over Highway 17 daily, and more available distractions present dangerous hazards, including:

- Cellular devices
- Multi-tasking



DISTRACTED DRIVING



<https://youtu.be/p3N1ZRwhCew>

Wet weather makes travel on Highway 17 increasingly hazardous. Speed limits are established for ideal road and traffic conditions, but are not appropriate during inclement weather.

Slow for inclement weather conditions:

- Heavy fog and light rain makes roadways slippery
- Heavy rain reduces visibility between vehicles and lanes
- In cold weather, 'black ice' is not visible but extremely dangerous



<https://youtu.be/RG18JOeNBFU>



SECONDARY ACCIDENTS/RESPONDER SAFETY

Secondary accidents occur due to driver behavior and inattention near accidents on the highway, putting drivers and responders at additional risk.

Characteristics of Highway 17 itself complicate responses for our crews

- Lanes with limited or no shoulders
- Blind curves
- Traffic congestion



<https://youtu.be/bMx4mAe0aMs>

HOW CAN YOU BE SAFE ON 17?

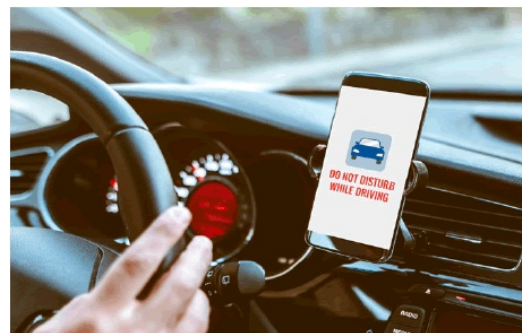
Slow down and allow for extra travel time to account for traffic and road conditions.

leave extra space between vehicles

- Put down the cell phone and avoid distractions
- Put your phone on 'do not disturb' while driving
- Finish your morning routine before you hit the road. Don't wait until you're on the highway to eat breakfast or check your traffic apps.



SLOW DOWN



PAY ATTENTION



Slow down for lights or flares.

WATCH FOR RESPONDERS

Emergency vehicles may have to 'split traffic' by traveling down the center of the lanes when they are responding.

- Turn off your radio
- Roll your windows down
- Listen for direction

BE PREPARED FOR HIGHWAY TRAVEL AND DELAYS

Stay up-to-date on road conditions

- Caltrans road conditions are updated in real time
- 511.org

Have emergency supplies in your vehicle, in case you are stuck on the highway for an extended amount of time.



'Safe on 17' campaign aims to reduce crashes on Highway 17 in Santa Cruz mountains

 abc7news.com/traffic/safe-on-17-campaign-aims-to-reduce-crashes-on-highway-17/4881211

By Matt Keller

Tuesday, December 11th, 2018

SANTA CRUZ, Calif. (KGO) -- Highway 17 through the Santa Cruz Mountains is a treacherous stretch of road.

Santa Clara County Firefighters says they've seen a steady increase in crashes between the Summit and Los Gatos.

Some people blame the locals, others the tourists.

"Seventeen can be a scary road to drive because the people who do commute it on a regular basis make it feel like a race track," said Ben Lomond resident Denice Austin.

Scotts Valley resident Ryan Ver Berkmoes says, "You get so many tourists and you get so many people unfamiliar with the road that they're just not set for the conditions."

Emergency personnel urging you to be "Safe on 17."

63,000 people a day drive 17 and firefighters say crashes are on the rise.

More info here- <https://t.co/POMMKBeml9> pic.twitter.com/rNflPViTha

— Matt Keller (@MattKellerABC7) December 11, 2018

Santa Clara County emergency workers held a news conference Tuesday for the "Safe on 17" campaign.

They say accidents on Highway 17 present one of the greatest hazards to the public and first responders.

63,000 people travel over the Santa Cruz Mountains every day.

The CHP reported seven crashes Tuesday by 3 p.m. and that's when it's dry. Rainy days you could see two to three times that number of crashes.

"It looks like a war zone. There's car bumpers, there's headlights. It reminds me of that Johnny Cash song, "One piece at a time." You could probably build a handful of cars up there with all the car parts, said Santa Clara County Fire Captain Brent Kirk.

What are the biggest causes of crashes on Highway 17?

The CHP says speed, distracted driving, following too close and unsafe lane changes top the list.

For more information on the "Safe on 17" campaign go [here](#).

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