



**SANTA CRUZ COUNTY  
TRAFFIC OPERATIONS OVERSIGHT COMMITTEE  
&  
SAFE ON 17 TASK FORCE**

**Wednesday, September 19, 2018**  
10:00am - 12:00pm

Santa Cruz County Regional Transportation Commission  
1523 Pacific Ave, Santa Cruz, CA 95060

**Teleconference:** (515) 604-9928  
**Access Code:** 631038

1. **Introductions**
2. **Additions or Deletions to the Agenda**
3. **Oral communications** – *Items not on agenda*
4. **Approve Draft Minutes of the March 21, 2018 Joint TOS Oversight Committee and Safe on 17 Meeting**
5. **Information Items (Amy Naranjo)**
  - a. FSP Program Update
  - b. Articles/Public Feedback
6. **California Highway Patrol – Safe on 17 Program Information**
  - a. Santa Cruz: Review collision and enforcement statistics and extra enforcement hours for January 2018 through August 2018 (Capt. Kunzler)
  - b. San Jose: Review collision and enforcement statistics and extra enforcement hours for January 2018 through August 2018 (Capt. Ortiz)
  - c. Highway 17 Extra CHP Enforcement Hours & Public Information Activities (Capt. Kunzler & Capt. Ortiz)



7. **Caltrans District 5 Highway 17 Project Update (Susana Cruz)**

- a. Construction Projects
- b. Maintenance Projects/Updates

8. **Caltrans District 4 Highway 17 Project Update (Victor Gauthier)**

- a. Construction Projects
- b. Maintenance Projects/Updates

9. **Traffic Operations Systems**

- a. Transportation Management Center Update (Ramin Bolourchian)
- b. Communications Update (Nicole Stewart)
- c. Hwy 1 and 17 TOS Equipment Update (Jacques Van Zeventer)
  - CCTVs
  - Traffic Detection Equipment
  - Other
  - Caltrans QuickMap Update – (Jacques Van Zeventer)

10. **Additional Items**

11. **Next Meeting Date:**

Wednesday, March 13, 2019 10:00 am to 12:00 pm at CHP San Jose office  
(2020 Junction Avenue, San Jose, CA 95131)



**JOINT MEETING OF SANTA CRUZ COUNTY TRAFFIC OPERATIONS  
SYSTEMS (TOS) OVERSIGHT COMMITTEE AND  
SAFE ON 17 TASK FORCE**

**DRAFT MINUTES**

Wednesday, March 21, 2018  
10:00am-12:00pm

**CHP San Jose  
2020 Junction Ave, San Jose, CA 95131**

**Meeting Participants**

Heather	Adamson	AMBAG (teleconference)
Nick	Saleh	Caltrans D4
Debra	Nelson	Caltrans D4 Legislative Affairs
Ernesto	Ramirez	Caltrans D4 Maintenance
Earl	Sherman	Caltrans D4 Maintenance
Victor	Gauthier	Caltrans D4 PIO
Rocquel	Johnson	Caltrans D4 PIO
Ramin	Bolourchian	Caltrans D4 TMC
Jennifer	Calate	Caltrans D5 (teleconference)
Devin	Porr	Caltrans D5 Construction
Susana	Cruz	Caltrans D5 PIO (teleconference)
Kelly	McClendon	Caltrans D5 Planning (teleconference)
George	Gori	CHP San Jose
Lance	Hedrick	CHP San Jose
Ian	Troxell	CHP Santa Cruz
Stephen	Terrin	Metropolitan Transportation Commission
Dave	Darcey	Redwood Estates resident
Cheryl	Darcey	Redwood Estates resident
Jeffrey L.	Bates	Redwood Estates Service Association
Andrea	Eberle	representing Assemblymember Mark Stone
Domingo	Candelas	representing Senator Jim Beall (teleconference)
Gary	Richards	San Jose Mercury News (teleconference)
Jarret	Winter	Santa Clara County Fire
Brian	Winterhalder	Santa Clara County Fire
Luisa	Rapport	Santa Clara County Fire PIO
Shannon	Munz	Santa Cruz County Regional Transportation Commission
Amy	Naranjo	Santa Cruz County Regional Transportation Commission



1. **Introductions** – Introductions were made.
2. **Additions or Deletions to the Agenda** –none were made
3. **Oral Communications** –Redwood Estates residents Dave and Cheryl Darcey expressed concern for the increased number of collisions at Big Moody Curve (just south of Redwood Estates) during wet weather and suggested using high friction surface treatment (HFST) to reduce slippery road conditions from standing water and mud runoff. Lieutenant Gori from CHP San Jose stated that their new Community Oriented Policing (COPS) enforcement unit will respond to the resident’s concerns and increase enforcement activities in the area. Devin Porr from Caltrans D5 stated there are plans to install HFST at a number of locations on Highway 17 slated for completion in 2022.
4. **Minutes of the September 13, 2018 Joint TOS Oversight Committee and Safe on 17 Meeting were reviewed and accepted.**
5. **Received Information Items** – Amy Naranjo from SCCRTC provided an update for the Freeway Service Patrol program, including potential options to increase existing and expand service using funds from Measure D and State Bill 1. Amy Naranjo discussed a number of news articles that were published related to Highway 17.
6. **Received Update on California Highway Patrol Safe on 17 Program Statistics and Public Information Efforts** – Sergeant Lance Hedrick from San Jose CHP stated total collisions in 2017 on the Santa Clara County side of Highway 17 decreased from the previous year and regular and overtime citations increased. Lieutenant George Gori provided information about CHP’s traffic safety committee and COPS enforcement team to address problem areas in Santa Clara County, including Highway 17. Lieutenant Ian Troxell from Santa Cruz CHP stated total collisions, injury crashes, and regular/overtime citations decreased in 2017 from the previous year. He cited an increase in CHP presence and patrol mileage has had a deterrent effect on reckless driving. CHP Santa Cruz also received a grant to provide 3,000 hours of DUI enforcement on Highway 17 in 2018. CHP Santa Cruz and San Jose shared traffic updates and safety messaging using social media (Twitter and Facebook). CHP Santa Cruz also pushed messaging from Cruz511.org.
7. **Received Caltrans District 5 Highway 17 Project Update** - Devin Porr from Caltrans D5 provided updates for various projects. The project at Sugarloaf has been accepted as complete (soil nail wall, roadway refurbish; enhanced median barriers, and shoulder widening. The slope stabilization project at Pasatiempo is ongoing and 1 year ahead of schedule. The plant



establishment period is expected to take place by end of June 2018. The structure installation to address a slide under the roadway near the Wedding Chapel is complete, Caltrans is waiting for dry weather to complete the slope and final touches along the roadway. Caltrans is also getting started on a minor project to improve maintenance vehicle pullout areas on Highways 1 and 17.

- 8. Received Caltrans District 4 Highway 17 Project Update** – Victor Gauthier is the new public information officer for projects on the Santa Clara County side of Highway 17. He expressed appreciation for the task force and opportunity to meet the various members. Earl Sherman provided updates for maintenance, noting Caltrans D4 received grant funds from the Fire Safe Council for fire breaks and tree/vegetation cleanup and is experiencing challenges with employee turnover and adequate staffing. Mr. Sherman also clarified that maintenance uses dense grade material to fill potholes because open grade material may potentially cause traction issues if mud/slide debris permeate the roadway surface.
- 9. Received Traffic Operations Systems Updates** - Traffic Management Center (TMC) Update - Ramin Bolourchian stated updating the messages that appear on the changeable message signs (CMSs) can be challenging due to software limitations, and if anyone sees any problems with the CMSs, to please contact the TMC. He also promoted Caltrans Quickmap, which features live traffic cameras, planned lane closures, and CMS messages.
- 10. Additional Items** – The group held an open discussion to brainstorm ideas about collaborating with navigation mobile applications (like Waze and Google Maps), providing personalized traffic advisories, restricting construction lane closures to Monday-Thursday nights, limiting truck traffic during certain hours, and improving public information and safety campaign messaging.
- 11. Approved Next Meeting Date** – Next Joint Safe on 17 Task Force & TOS Oversight Committee Meeting – Wednesday, September 19, 2018 10:00 to 12:00 at Santa Cruz County Regional Transportation Commission.

Respectively submitted by: \_\_\_\_\_

Amy Naranjo

**AGENDA:** September 19, 2018

**TO:** Safe on 17 Task Force & Traffic Operation Systems Committee  
**FROM:** Amy Naranjo, Transportation Planner  
**RE:** Freeway Service Patrol Highway 17 Update

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**RECOMMENDATIONS**

Receive an update on the Freeway Service Patrol Program for Highway 17.

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**BACKGROUND**

The Santa Cruz County Regional Transportation Commission (RTC) operates the Freeway Service Patrol (FSP) program in Santa Cruz County. This program consists of two tow trucks patrolling Highway 1 from Highway 9 to State Park Drive and Highway 17 from Mount Herman Road to the Santa Clara County Line. Both highway segments are patrolled during weekday commute periods. Traditionally, the Highway 17 segment is also patrolled on Sundays from 1:00 pm to 7:00 pm all year round and Saturdays from 1:00 pm to 7:00 pm during the summer. For the past few summers, Hwy 1 has also been patrolled from 1:00 to 7:00 pm on most Saturdays and Sundays. FSP tow trucks remove disabled vehicles from the highway at no cost to the motorists. The FSP program is designed to reduce congestion, improve safety, and reduce fuel consumption and auto emissions by minimizing the congestion associated with collisions and other incidents.

As the SAFE, the SCCRTC levies a \$1 annual fee on all registered vehicles in Santa Cruz County. The funds raised are used to help fund all SAFE projects including FSP. The FSP project also receives funds from Caltrans with the RTC matching at least 25% of the allocation. Matching fund sources from recent years include the Santa Cruz County's regional share of State Transportation Improvement Program (STIP) funds, Service Authority for Freeway Emergency (SAFE) funds, and Regional Surface Transportation Program (RSTP) funds. More funds are available in FY18/19 through Measure D and State Bill 1.

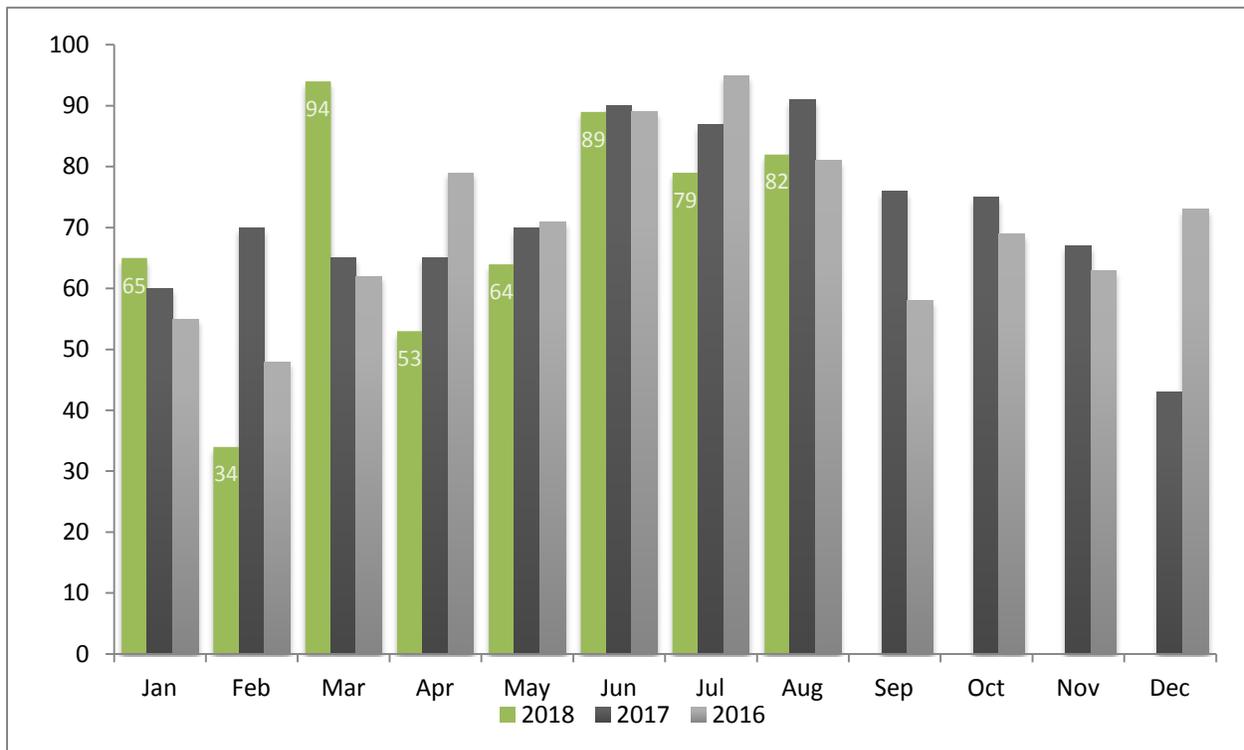
**DISCUSSION**

***FSP Assists and Benefits***

The Freeway Service Patrol has assisted 560 motorists on Highway 17 since January 2018, averaging 70 assists per month which is on par with the average annual assist statistics. March 2018 accounted for the highest number of assists at 94, with 36% of assists responding to collisions. Collisions (15%), mechanical issues (14%), and flat tires (14%) were the most common vehicle problems FSP

dealt with. The average duration for each assist was 15 minutes. Nearly 80% of all assists did not require tow service. More 90% of motorists assisted by the FSP rate the program as good or excellent.

Annual Highway 17 FSP Assists



Each time the FSP assists a motorist and removes a disabled vehicle from the roadway, the FSP is also helping all those motorists who are commuting on the highway at that time. The effectiveness of the FSP program is assessed by calculating the annual cost benefit (B/C) ratio of each FSP beat. The Santa Cruz County FSP program showed the following benefit cost ratios in 2016/17<sup>1</sup>:

FSP Beat	Benefit Cost Ratio
Highway 1	3:1
Highway 17	4:1
Santa Cruz County Average	4:1

Annual savings in incident delay, fuel consumption and air pollutant emissions due to FSP service are calculated based on the number of assists, beat geometries and traffic volumes. The savings are then translated into benefits using monetary values for delay (\$18.00/vehicle-hour) and fuel consumption (\$2.92/gallon).

There are a number of additional benefits which are not quantified or assigned a dollar value in the studies and therefore are not included in the benefit cost ratio.

<sup>1</sup> Caltrans Draft FSP MIS Annual Report, FY 2016-2017; most current report available

These benefits include reduction of auto emissions, benefits to the assisted motorists, benefits to the CHP, benefits to freeway operators, improved safety and reduction of secondary collisions.

**FSP Funding**

Caltrans allocates funds to each FSP program based on a formula that includes population, freeway lane miles and congestion (daily vehicle-hours of delay). Santa Cruz County FSP is estimated to receive \$158,739 in allocations for FY 18/19. This does not include additional funds from SB-1. The allocation requires a match of 25% from the administering agencies to support the FSP program. Historically, the FSP matching funds from Santa Cruz County has been approximately 40 to 50% and have been funded from a variety of sources including Santa Cruz County's regional share of State Transportation Improvement Program (STIP) funds, Service Authority for Freeway Emergency (SAFE) funds, and Regional Surface Transportation Program (RSTP) funds.

# Bill to Require Safety Training Standards for Truck Drivers Passes the Legislature

 [sd17.senate.ca.gov/news/2018-08-24-bill-require-safety-training-standards-truck-drivers-passes-legislature](http://sd17.senate.ca.gov/news/2018-08-24-bill-require-safety-training-standards-truck-drivers-passes-legislature)

August 27, 2018



(SACRAMENTO, CA) – Today, Senate Bill (SB) 1236, by Senator Bill Monning (D-Carmel), passed off of the Senate Floor. The bill will improve road safety by implementing new federal commercial truck driving regulations, as well as add additional truck driver safety requirements

“Every day, Californians share the road with large commercial vehicles that transport commercial goods, hazardous materials, and passengers. Commercial drivers who lack adequate training put everyone on the road at risk,” Senator Monning said. “SB 1236 will ensure that drivers of big rigs and other large commercial vehicles have the necessary experience to drive safely by establishing a minimum number of behind-the-wheel training hours. These stronger training standards will save lives.”

In 2014, a truck driver on Highway 17 lost control and crashed into 10 cars, injuring seven and killing 25-year-old Daniel McGuire of Santa Cruz. The truck driver’s lack of adequate training and experience was deemed a major factor in the fatal crash. In that same year, there were 10,062 at-fault commercial vehicle collisions reported in California, of which 2,432 resulted in injury and 68 were fatal.

This bill will implement a federal rule that requires those seeking a commercial driver’s license (CDL) complete a certified course of instruction from a commercial driving institution or program offered by an employer before being issued a CDL. Additionally, SB 1236 requires the Department of Motor Vehicles to adopt regulations to comply with the federal rule by June 5, 2020, and establishes minimum behind-the-wheel training requirements to be completed as part of CDL training.

SB 1129 now heads to the Governor’s desk.

## Santa Cruz CHP Collision Summary for SR-17

		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PDO	32	34	19	22	16	24	11	11	11	9	10	56	46	49
	INJURY	6	10	9	6	9	13	9	10	3	3	4	14	20	22
	FATAL	0	0	0	0	1	1	0	0	0	1	0	0	0	0
	<b>TOTAL</b>	<b>38</b>	<b>44</b>	<b>28</b>	<b>28</b>	<b>26</b>	<b>38</b>	<b>20</b>	<b>21</b>	<b>14</b>	<b>13</b>	<b>14</b>	<b>70</b>	<b>66</b>	<b>71</b>
FEBRUARY	PDO	45	25	28	31	16	20	15	23	8	32	36	17	23	17
	INJURY	17	4	10	9	15	4	7	10	5	14	7	5	11	11
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	<b>TOTAL</b>	<b>62</b>	<b>29</b>	<b>38</b>	<b>40</b>	<b>31</b>	<b>24</b>	<b>22</b>	<b>33</b>	<b>13</b>	<b>46</b>	<b>43</b>	<b>22</b>	<b>34</b>	<b>29</b>
MARCH	PDO	38	35	18	17	13	26	26	30	16	20	17	55	25	56
	INJURY	16	14	2	6	13	7	14	20	6	13	8	22	11	30
	FATAL	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	<b>TOTAL</b>	<b>54</b>	<b>49</b>	<b>20</b>	<b>23</b>	<b>26</b>	<b>33</b>	<b>40</b>	<b>51</b>	<b>22</b>	<b>33</b>	<b>25</b>	<b>77</b>	<b>36</b>	<b>86</b>
APRIL	PDO	45	41	22	20	18	28	18	15	13	19	18	31	48	20
	INJURY	11	11	7	10	12	6	4	9	10	8	7	9	16	7
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>56</b>	<b>52</b>	<b>29</b>	<b>30</b>	<b>30</b>	<b>34</b>	<b>22</b>	<b>24</b>	<b>23</b>	<b>27</b>	<b>25</b>	<b>40</b>	<b>64</b>	<b>27</b>
MAY	PDO	39	16	24	10	12	26	18	11	11	16	23	29	16	12
	INJURY	13	8	9	5	16	8	7	6	8	9	7	10	10	11
	FATAL	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>52</b>	<b>25</b>	<b>33</b>	<b>15</b>	<b>28</b>	<b>34</b>	<b>25</b>	<b>17</b>	<b>19</b>	<b>25</b>	<b>30</b>	<b>39</b>	<b>26</b>	<b>23</b>
JUNE	PDO	24	13	15	10	13	11	9	14	11	11	14	18	20	10
	INJURY	3	6	1	6	6	4	9	10	9	6	4	10	13	10
	FATAL	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	<b>TOTAL</b>	<b>27</b>	<b>19</b>	<b>16</b>	<b>16</b>	<b>19</b>	<b>15</b>	<b>18</b>	<b>24</b>	<b>21</b>	<b>17</b>	<b>18</b>	<b>28</b>	<b>33</b>	<b>20</b>
JULY	PDO	9	16	18	14	10	11	19	24	9	12	15	15	22	11
	INJURY	5	4	4	6	6	9	5	9	10	9	7	8	9	9
	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>15</b>	<b>20</b>	<b>23</b>	<b>20</b>	<b>16</b>	<b>20</b>	<b>24</b>	<b>33</b>	<b>19</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>31</b>	<b>20</b>
AUGUST	PDO	6	16	11	15	8	11	11	9	8	12	14	28	13	13
	INJURY	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
	<b>TOTAL</b>	<b>10</b>	<b>21</b>	<b>15</b>	<b>19</b>	<b>9</b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>17</b>	<b>18</b>	<b>35</b>	<b>16</b>	<b>21</b>
SEPTEMBER	PDO	4	13	9	5	8	11	7	14	14	22	14	24	22	
	INJURY	6	4	3	9	7	7	7	4	5	9	11	8	11	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>10</b>	<b>17</b>	<b>12</b>	<b>14</b>	<b>15</b>	<b>18</b>	<b>14</b>	<b>18</b>	<b>19</b>	<b>31</b>	<b>25</b>	<b>32</b>	<b>33</b>	
OCTOBER	PDO	27	13	21	13	9	12	25	15	17	19	15	89	26	
	INJURY	12	3	9	3	5	13	8	10	4	14	7	20	9	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>39</b>	<b>16</b>	<b>30</b>	<b>16</b>	<b>14</b>	<b>25</b>	<b>33</b>	<b>25</b>	<b>21</b>	<b>33</b>	<b>22</b>	<b>109</b>	<b>35</b>	
NOVEMBER	PDO	47	36	11	19	13	27	16	29	20	39	15	48	30	
	INJURY	13	12	8	5	7	11	6	8	3	10	6	13	12	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>60</b>	<b>48</b>	<b>19</b>	<b>24</b>	<b>20</b>	<b>38</b>	<b>22</b>	<b>37</b>	<b>23</b>	<b>49</b>	<b>21</b>	<b>61</b>	<b>42</b>	
DECEMBER	PDO	43	21	34	21	16	45	7	30	13	20	49	52	16	
	INJURY	17	3	19	5	10	16	6	8	2	9	21	19	5	
	FATAL	2	0	0	0	1	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>62</b>	<b>24</b>	<b>53</b>	<b>26</b>	<b>27</b>	<b>61</b>	<b>13</b>	<b>38</b>	<b>15</b>	<b>29</b>	<b>70</b>	<b>71</b>	<b>21</b>	

<b>TOTAL PDO:</b>	<b>359</b>	<b>279</b>	<b>230</b>	<b>197</b>	<b>152</b>	<b>252</b>	<b>182</b>	<b>225</b>	<b>151</b>	<b>231</b>	<b>240</b>	<b>462</b>	<b>307</b>	<b>188</b>
<b>TOTAL INJURY:</b>	<b>123</b>	<b>84</b>	<b>85</b>	<b>74</b>	<b>107</b>	<b>103</b>	<b>84</b>	<b>108</b>	<b>69</b>	<b>109</b>	<b>93</b>	<b>145</b>	<b>130</b>	<b>108</b>
<b>TOTAL FATALITIES:</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>TOTAL COLLISIONS:</b>	<b>485</b>	<b>364</b>	<b>316</b>	<b>271</b>	<b>261</b>	<b>356</b>	<b>266</b>	<b>334</b>	<b>221</b>	<b>341</b>	<b>333</b>	<b>607</b>	<b>437</b>	<b>297</b>

# Santa Cruz Area CHP SR-17 Citation Summary

## Regular Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PCF	287	396	401	368	413	354	201	89	112
	Other	68	84	68	69	43	26	15	12	12
	Mechanical	16	30	21	17	73	44	41	15	37
	<b>TOTAL</b>	<b>371</b>	<b>510</b>	<b>490</b>	<b>454</b>	<b>529</b>	<b>424</b>	<b>257</b>	<b>116</b>	<b>161</b>
FEBRUARY	PCF	303	420	478	309	325	253	286	78	92
	Other	65	70	68	63	22	18	68	5	4
	Mechanical	10	19	19	23	38	51	37	5	9
	<b>TOTAL</b>	<b>378</b>	<b>509</b>	<b>565</b>	<b>395</b>	<b>385</b>	<b>322</b>	<b>391</b>	<b>88</b>	<b>105</b>
MARCH	PCF	322	351	422	354	273	341	286	60	113
	Other	44	42	86	111	29	33	46	13	19
	Mechanical	21	29	11	20	40	38	27	7	19
	<b>TOTAL</b>	<b>387</b>	<b>422</b>	<b>519</b>	<b>485</b>	<b>342</b>	<b>412</b>	<b>359</b>	<b>80</b>	<b>151</b>
APRIL	PCF	324	431	283	365	346	290	278	100	187
	Other	86	49	88	29	22	22	72	10	57
	Mechanical	36	23	15	16	36	30	20	10	36
	<b>TOTAL</b>	<b>446</b>	<b>503</b>	<b>386</b>	<b>410</b>	<b>404</b>	<b>375</b>	<b>370</b>	<b>120</b>	<b>280</b>
MAY	PCF	429	505	455	444	375	310	296	280	199
	Other	46	82	77	27	22	32	54	20	22
	Mechanical	69	14	25	45	22	33	34	12	23
	<b>TOTAL</b>	<b>544</b>	<b>601</b>	<b>557</b>	<b>516</b>	<b>419</b>	<b>375</b>	<b>384</b>	<b>312</b>	<b>244</b>
JUNE	PCF	523	391	291	339	303	154	152	102	302
	Other	42	68	58	29	33	21	54	20	49
	Mechanical	68	3	13	65	24	55	46	20	66
	<b>TOTAL</b>	<b>633</b>	<b>462</b>	<b>362</b>	<b>433</b>	<b>360</b>	<b>230</b>	<b>252</b>	<b>142</b>	<b>417</b>
JULY	PCF	446	378	288	331	220	245	159	232	191
	Other	38	67	69	35	21	31	62	46	13
	Mechanical	82	4	8	74	34	50	33	44	29
	<b>TOTAL</b>	<b>566</b>	<b>449</b>	<b>365</b>	<b>440</b>	<b>275</b>	<b>326</b>	<b>254</b>	<b>322</b>	<b>233</b>

# Santa Cruz Area CHP SR-17 Citation Summary

## Regular Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
AUGUST	PCF	498	585	317	477	317	289	106	135	117
	Other	84	35	78	32	56	27	41	54	40
	Mechanical	24	18	25	34	55	23	21	24	30
	<b>TOTAL</b>	<b>606</b>	<b>638</b>	<b>420</b>	<b>543</b>	<b>428</b>	<b>339</b>	<b>168</b>	<b>213</b>	<b>187</b>
SEPTEMBER	PCF	389	472	334	338	240	284	99	147	
	Other	95	37	58	31	43	31	7	10	
	Mechanical	32	18	19	31	45	36	19	12	
	<b>TOTAL</b>	<b>516</b>	<b>527</b>	<b>411</b>	<b>400</b>	<b>328</b>	<b>351</b>	<b>125</b>	<b>169</b>	
OCTOBER	PCF	307	540	457	381	224	229	88	82	
	Other	47	47	57	24	31	33	9	3	
	Mechanical	10	14	15	41	32	36	10	16	
	<b>TOTAL</b>	<b>364</b>	<b>601</b>	<b>529</b>	<b>446</b>	<b>287</b>	<b>298</b>	<b>116</b>	<b>101</b>	
NOVEMBER	PCF	267	449	327	319	238	199	123	295	
	Other	80	25	53	31	24	6	16	9	
	Mechanical	15	18	17	47	28	2	16	20	
	<b>TOTAL</b>	<b>362</b>	<b>492</b>	<b>397</b>	<b>397</b>	<b>290</b>	<b>207</b>	<b>155</b>	<b>324</b>	
DECEMBER	PCF	209	454	297	264	170	137	75	320	
	Other	65	43	75	24	4	13	24	17	
	Mechanical	11	16	14	42	16	2	9	30	
	<b>TOTAL</b>	<b>285</b>	<b>513</b>	<b>386</b>	<b>330</b>	<b>190</b>	<b>152</b>	<b>108</b>	<b>367</b>	
<b>ANNUAL TOTALS:</b>		<b>5458</b>	<b>6227</b>	<b>5387</b>	<b>5249</b>	<b>4237</b>	<b>3811</b>	<b>2939</b>	<b>2354</b>	<b>1778</b>

# Santa Cruz Area CHP SR-17 Citation Summary

## Overtime Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PCF	32	0	49	6	56	0	51	0	31
	Other	5	0	6	0	5	0	2	0	4
	Mechanical	0	0	0	0	12	0	3	0	8
	<b>TOTAL</b>	<b>37</b>	<b>0</b>	<b>55</b>	<b>6</b>	<b>73</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>43</b>
FEBRUARY	PCF	24	0	43	52	55	74	62	0	2
	Other	5	0	7	2	1	2	10	0	0
	Mechanical	0	0	1	5	2	3	2	0	0
	<b>TOTAL</b>	<b>29</b>	<b>0</b>	<b>51</b>	<b>59</b>	<b>58</b>	<b>79</b>	<b>74</b>	<b>0</b>	<b>2</b>
MARCH	PCF	16	14	46	57	50	51	44	0	42
	Other	3	0	4	4	4	2	5	0	3
	Mechanical	1	0	5	11	11	2	3	0	13
	<b>TOTAL</b>	<b>20</b>	<b>14</b>	<b>55</b>	<b>72</b>	<b>65</b>	<b>54</b>	<b>52</b>	<b>0</b>	<b>58</b>
APRIL	PCF	38	56	40	112	61	75	70	17	30
	Other	3	6	7	1	4	2	2	1	7
	Mechanical	0	0	0	2	10	6	2	2	12
	<b>TOTAL</b>	<b>41</b>	<b>62</b>	<b>47</b>	<b>115</b>	<b>75</b>	<b>83</b>	<b>74</b>	<b>20</b>	<b>49</b>
MAY	PCF	24	64	84	112	50	32	34	43	36
	Other	12	4	9	8	1	3	0	1	2
	Mechanical	2	0	5	16	2	3	2	4	8
	<b>TOTAL</b>	<b>38</b>	<b>68</b>	<b>98</b>	<b>136</b>	<b>53</b>	<b>38</b>	<b>36</b>	<b>48</b>	<b>46</b>
JUNE	PCF	31	36	47	85	51	0	26	24	122
	Other	6	8	5	6	5	0	2	3	10
	Mechanical	2	0	1	14	7	0	4	2	35
	<b>TOTAL</b>	<b>39</b>	<b>44</b>	<b>53</b>	<b>105</b>	<b>63</b>	<b>0</b>	<b>32</b>	<b>29</b>	<b>177</b>
JULY	PCF	27	49	0	64	38	75	62	0	0
	Other	2	8	0	4	4	5	3	0	0
	Mechanical	1	0	0	24	10	2	14	0	0
	<b>TOTAL</b>	<b>30</b>	<b>57</b>	<b>0</b>	<b>92</b>	<b>52</b>	<b>82</b>	<b>79</b>	<b>0</b>	<b>4</b>

# Santa Cruz Area CHP SR-17 Citation Summary

## Overtime Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
AUGUST	PCF	15	51	7	107	61	30	26	24	0
	Other	3	5	4	4	8	1	1	7	0
	Mechanical	0	2		6	7	0	1	2	0
	<b>TOTAL</b>	<b>18</b>	<b>58</b>	<b>11</b>	<b>117</b>	<b>76</b>	<b>31</b>	<b>28</b>	<b>33</b>	<b>0</b>
SEPTEMBER	PCF	14	46	74	83	47	55	14	0	
	Other	1	5	14	0	4	3	3	0	
	Mechanical	0	1	5	1	6	0	0	0	
	<b>TOTAL</b>	<b>15</b>	<b>52</b>	<b>93</b>	<b>84</b>	<b>57</b>	<b>58</b>	<b>17</b>	<b>0</b>	
OCTOBER	PCF	0	44	87	63	30	58	13	0	
	Other	0	11	10	4	4	3	2	0	
	Mechanical	0	2	2	2	2	3	2	0	
	<b>TOTAL</b>	<b>0</b>	<b>57</b>	<b>99</b>	<b>69</b>	<b>36</b>	<b>64</b>	<b>17</b>	<b>0</b>	
NOVEMBER	PCF	0	49	63	61	59	0	14	30	
	Other	0	4	3	7	5	0	6	7	
	Mechanical	0	5	0	7	5	0	5	4	
	<b>TOTAL</b>	<b>0</b>	<b>58</b>	<b>66</b>	<b>75</b>	<b>69</b>	<b>0</b>	<b>20</b>	<b>41</b>	
DECEMBER	PCF	0	43	37	0	25	0	9	47	
	Other	0	1	9	0	1	0	0	9	
	Mechanical	0	4	0	0	0	0	2	1	
	<b>TOTAL</b>	<b>0</b>	<b>48</b>	<b>46</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>11</b>	<b>57</b>	
<b>ANNUAL TOTALS:</b>		<b>267</b>	<b>518</b>	<b>674</b>	<b>930</b>	<b>703</b>	<b>489</b>	<b>496</b>	<b>228</b>	<b>379</b>

# Extra California Highway Patrol Hours Worked on Highway 17

## Santa Cruz Area

	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	32	0	48	9	48	22	106	30	60
FEBRUARY	24	0	70.5	36	72	18	6	54	50
MARCH	28	18	66	61	60	37	0	0	0
APRIL	28	88	58.5	117.5	64	45	61	30	74
MAY	42.5	86.5	60	104	44	83	112	36	23
JUNE	44	64	66	75.5	39	0	54	24	0
JULY	32.5	81	0	86.5	32	42	66.5	12	0
AUGUST	51	107	6	108.75	71	36	60	8	0
SEPTEMBER	25.5	84.5	79	97	63.5	38	24	24	
OCTOBER	0	57	70	42	45	30	34	0	
NOVEMBER	0	60	76	75	70	48	58	6	
DECEMBER	0	54	81	0	56	0	53.5	42	
TOTAL	307.5	700	681	812.25	665	399	635	266	207

## San Jose Area CHP Collision Summary for SR-17

		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PDO	11	19	11	8	5	9	17	6	8	14	15	18	24	39
	INJURY	3	2	6	5	4	4	3	3	0	3	4	7	13	19
	FATAL	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	<b>TOTAL</b>	<b>14</b>	<b>21</b>	<b>17</b>	<b>13</b>	<b>9</b>	<b>13</b>	<b>20</b>	<b>9</b>	<b>8</b>	<b>18</b>	<b>19</b>	<b>25</b>	<b>37</b>	<b>58</b>
FEBRUARY	PDO	10	7	14	14	12	6	11	8	15	16	10	13	35	19
	INJURY	5	4	6	6	6	5	2	3	6	7	9	7	9	8
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>15</b>	<b>11</b>	<b>20</b>	<b>20</b>	<b>18</b>	<b>11</b>	<b>13</b>	<b>11</b>	<b>21</b>	<b>23</b>	<b>19</b>	<b>20</b>	<b>44</b>	<b>27</b>
MARCH	PDO	19	13	11	5	14	11	17	12	14	12	22	45	29	41
	INJURY	3	3	3	3	2	5	4	1	8	7	9	14	16	22
	FATAL	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	<b>TOTAL</b>	<b>22</b>	<b>16</b>	<b>14</b>	<b>8</b>	<b>16</b>	<b>16</b>	<b>21</b>	<b>13</b>	<b>22</b>	<b>19</b>	<b>31</b>	<b>60</b>	<b>45</b>	<b>63</b>
APRIL	PDO	11	15	5	8	10	9	10	16	10	14	26	24	33	23
	INJURY	4	7	7	3	5	6	3	5	9	8	7	9	21	9
	FATAL	0	1	0	1	0	0	0	1	0	0	0	1	0	0
	<b>TOTAL</b>	<b>15</b>	<b>23</b>	<b>12</b>	<b>12</b>	<b>15</b>	<b>15</b>	<b>13</b>	<b>22</b>	<b>19</b>	<b>22</b>	<b>33</b>	<b>34</b>	<b>54</b>	<b>32</b>
MAY	PDO	13	10	5	5	16	11	10	11	2	14	25	16	25	7
	INJURY	6	7	0	7	5	4	4	2	5	5	10	10	9	8
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>19</b>	<b>17</b>	<b>5</b>	<b>12</b>	<b>21</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>7</b>	<b>19</b>	<b>35</b>	<b>26</b>	<b>34</b>	<b>15</b>
JUNE	PDO	9	13	9	3	13	15	16	20	12	8	19	18	17	22
	INJURY	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
	<b>TOTAL</b>	<b>12</b>	<b>15</b>	<b>12</b>	<b>7</b>	<b>15</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>17</b>	<b>12</b>	<b>28</b>	<b>25</b>	<b>21</b>	<b>30</b>
JULY	PDO	15	10	9	8	7	16	14	5	12	14	15	16	12	11
	INJURY	1	5	3	6	2	7	5	8	6	6	10	11	8	4
	FATAL	0	0	0	0	0	1	0	0	0	1	0	0	0	0
	<b>TOTAL</b>	<b>16</b>	<b>15</b>	<b>12</b>	<b>14</b>	<b>9</b>	<b>24</b>	<b>19</b>	<b>13</b>	<b>18</b>	<b>21</b>	<b>25</b>	<b>27</b>	<b>20</b>	<b>15</b>
AUGUST	PDO	13	9	13	10	9	8	14	10	15	11	18	13	6	12
	INJURY	2	1	2	7	2	8	6	4	6	3	5	6	0	8
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>TOTAL</b>	<b>15</b>	<b>10</b>	<b>15</b>	<b>17</b>	<b>11</b>	<b>16</b>	<b>20</b>	<b>14</b>	<b>21</b>	<b>14</b>	<b>23</b>	<b>19</b>	<b>6</b>	<b>20</b>
SEPTEMBER	PDO	6	5	8	10	7	10	9	13	18	17	20	15	18	
	INJURY	3	0	1	2	0	4	1	4	5	3	8	5	6	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>9</b>	<b>5</b>	<b>9</b>	<b>12</b>	<b>7</b>	<b>14</b>	<b>10</b>	<b>17</b>	<b>23</b>	<b>20</b>	<b>28</b>	<b>20</b>	<b>24</b>	
OCTOBER	PDO	21	13	14	10	8	30	14	12	6	26	25	29	11	
	INJURY	8	5	6	3	3	2	5	3	5	4	6	18	5	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	1	
	<b>TOTAL</b>	<b>29</b>	<b>18</b>	<b>20</b>	<b>13</b>	<b>11</b>	<b>32</b>	<b>19</b>	<b>15</b>	<b>11</b>	<b>30</b>	<b>31</b>	<b>47</b>	<b>17</b>	
NOVEMBER	PDO	11	11	7	20	11	12	9	12	14	17	18	27	42	
	INJURY	8	6	3	9	1	6	4	4	7	7	9	6	10	
	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>TOTAL</b>	<b>19</b>	<b>17</b>	<b>10</b>	<b>29</b>	<b>12</b>	<b>18</b>	<b>13</b>	<b>16</b>	<b>21</b>	<b>24</b>	<b>27</b>	<b>33</b>	<b>52</b>	
DECEMBER	PDO	16	10	13	20	11	7	8	10	7	15	24	25	15	
	INJURY	6	7	4	3	4	7	1	1	3	5	8	21	4	
	FATAL	0	0	0	0	0	0	0	0	1	0	0	0	0	
	<b>TOTAL</b>	<b>22</b>	<b>17</b>	<b>17</b>	<b>23</b>	<b>15</b>	<b>14</b>	<b>9</b>	<b>11</b>	<b>11</b>	<b>20</b>	<b>32</b>	<b>46</b>	<b>19</b>	

<b>TOTAL PDO:</b>	155	135	119	121	123	144	149	135	133	178	237	259	267	174
<b>TOTAL INJURY:</b>	52	49	44	58	36	61	42	42	65	62	94	121	105	86
<b>TOTAL FATALITIES:</b>	0	1	0	1	0	1	0	1	1	2	0	2	1	0
<b>TOTAL COLLISIONS:</b>	207	185	163	180	159	206	191	178	199	242	331	382	373	260

# San Jose Area CHP SR-17 Citation Summary

## Regular Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PCF	126	96	150	279	158	69	58	109	
	Other	20	32	40	25	14	21	12	55	
	Mechanical	2	3	13	13	42	34	10	41	
	<b>TOTAL</b>	<b>148</b>	<b>131</b>	<b>203</b>	<b>317</b>	<b>214</b>	<b>124</b>	<b>80</b>	<b>205</b>	<b>0</b>
FEBRUARY	PCF	109	94	211	284	59	138	80	84	
	Other	23	7	14	7	13	12	6	9	
	Mechanical	4	2	26	48	20	33	32	12	
	<b>TOTAL</b>	<b>136</b>	<b>103</b>	<b>251</b>	<b>339</b>	<b>92</b>	<b>183</b>	<b>118</b>	<b>105</b>	<b>0</b>
MARCH	PCF	114	101	154	276	220	137	103	218	97
	Other	6	15	19	13	32	11	10	59	8
	Mechanical	1	10	38	42	30	19	26	38	13
	<b>TOTAL</b>	<b>121</b>	<b>126</b>	<b>211</b>	<b>331</b>	<b>282</b>	<b>167</b>	<b>139</b>	<b>315</b>	<b>118</b>
APRIL	PCF	110	199	114	223	240	114	122	376	141
	Other	28	9	20	11	30	14	16	39	21
	Mechanical	2	42	49	43	26	25	20	42	27
	<b>TOTAL</b>	<b>140</b>	<b>250</b>	<b>183</b>	<b>277</b>	<b>296</b>	<b>153</b>	<b>158</b>	<b>457</b>	<b>189</b>
MAY	PCF	242	154	165	324	201	152	91	587	134
	Other	30	36	32	13	16	14	12	60	34
	Mechanical	6	33	32	35	42	28	25	43	24
	<b>TOTAL</b>	<b>278</b>	<b>223</b>	<b>229</b>	<b>372</b>	<b>259</b>	<b>194</b>	<b>128</b>	<b>690</b>	<b>192</b>
JUNE	PCF	267	91	267	197	233	114	70	483	75
	Other	42	12	40	23	15	8	15	50	12
	Mechanical	6	11	57	58	29	38	30	34	25
	<b>TOTAL</b>	<b>315</b>	<b>114</b>	<b>364</b>	<b>278</b>	<b>277</b>	<b>160</b>	<b>115</b>	<b>567</b>	<b>112</b>
JULY	PCF	174	87	135	155	73	48	85	102	10
	Other	46	18	14	10	21	6	20	20	12
	Mechanical	6	7	16	25	34	25	32	32	24
	<b>TOTAL</b>	<b>226</b>	<b>112</b>	<b>165</b>	<b>190</b>	<b>128</b>	<b>79</b>	<b>137</b>	<b>154</b>	<b>46</b>

# San Jose Area CHP SR-17 Citation Summary

## Regular Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
AUGUST	PCF	124	76	178	154	200	57	145		
	Other	32	21	9	10	21	9	23		
	Mechanical	8	18	21	18	31	26	41		
	<b>TOTAL</b>	<b>164</b>	<b>115</b>	<b>208</b>	<b>182</b>	<b>252</b>	<b>92</b>	<b>209</b>	<b>0</b>	<b>0</b>
SEPTEMBER	PCF	125	37	194	193	146	115	226		
	Other	42	13	14	11	13	5	34		
	Mechanical	7	21	35	18	30	20	33		
	<b>TOTAL</b>	<b>174</b>	<b>71</b>	<b>243</b>	<b>222</b>	<b>189</b>	<b>140</b>	<b>293</b>	<b>0</b>	
OCTOBER	PCF	115	101	175	98	167	70	159		
	Other	27	17	17	24	23	8	28		
	Mechanical	7	11	55	18	28	10	39		
	<b>TOTAL</b>	<b>149</b>	<b>129</b>	<b>247</b>	<b>140</b>	<b>218</b>	<b>88</b>	<b>226</b>	<b>0</b>	
NOVEMBER	PCF	79	56	277	116	116	93	320		
	Other	17	2	16	20	17	10	34		
	Mechanical	1	5	34	26	20	25	38		
	<b>TOTAL</b>	<b>97</b>	<b>63</b>	<b>327</b>	<b>162</b>	<b>153</b>	<b>128</b>	<b>392</b>	<b>0</b>	
DECEMBER	PCF	121	90	198	117	97	86	148		
	Other	49	10	5	6	8	5	30		
	Mechanical	4	12	61	20	11	10	35		
	<b>TOTAL</b>	<b>174</b>	<b>112</b>	<b>264</b>	<b>143</b>	<b>116</b>	<b>101</b>	<b>213</b>	<b>0</b>	
<b>ANNUAL TOTALS:</b>		<b>2122</b>	<b>1549</b>	<b>2895</b>	<b>2953</b>	<b>2476</b>	<b>1609</b>	<b>2208</b>	<b>2493</b>	<b>657</b>

# San Jose Area CHP SR-17 Citation Summary

## Overtime Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	PCF	0	0	33	1	0	46	20	20	39
	Other	0	0	7	49	0	1	2	2	3
	Mechanical	0	0	21	19	0	8	11	5	14
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>69</b>	<b>0</b>	<b>55</b>	<b>33</b>	<b>27</b>	<b>56</b>
FEBRUARY	PCF	0	0	43	75	0	62	55	0	37
	Other	0	0	16	3	0	1	1	0	7
	Mechanical	0	0	20	17	0	19	20	0	23
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>95</b>	<b>0</b>	<b>82</b>	<b>76</b>	<b>0</b>	<b>67</b>
MARCH	PCF	0	85	38	58	159	60	70	0	
	Other	0	20	7	1	4	1	2	0	
	Mechanical	0	14	13	13	21	5	28	0	
	<b>TOTAL</b>	<b>0</b>	<b>119</b>	<b>58</b>	<b>72</b>	<b>184</b>	<b>66</b>	<b>100</b>	<b>0</b>	<b>0</b>
APRIL	PCF	0	185	59	82	102	62	94	88	
	Other	0	31	7	11	14	4	3	18	
	Mechanical	0	11	25	30	14	9	13	10	
	<b>TOTAL</b>	<b>0</b>	<b>227</b>	<b>91</b>	<b>123</b>	<b>130</b>	<b>75</b>	<b>110</b>	<b>116</b>	<b>0</b>
MAY	PCF	0	119	89	93	74	71	40	131	
	Other	0	1	17	13	6	5	1	8	
	Mechanical	0	21	14	21	16	18	8	13	
	<b>TOTAL</b>	<b>0</b>	<b>141</b>	<b>120</b>	<b>127</b>	<b>96</b>	<b>94</b>	<b>49</b>	<b>152</b>	<b>0</b>
JUNE	PCF	50	33	177	78	691	107	32	38	
	Other	0	0	19	6	78	6	2	6	
	Mechanical	0	5	47	33	145	30	15	10	
	<b>TOTAL</b>	<b>50</b>	<b>38</b>	<b>243</b>	<b>117</b>	<b>914</b>	<b>143</b>	<b>49</b>	<b>54</b>	<b>0</b>
JULY	PCF	0	39	0	0	0	43	0	0	
	Other	0	3	0	0	0	2	0	0	
	Mechanical	0	12	0	0	0	7	0	0	
	<b>TOTAL</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>

# San Jose Area CHP SR-17 Citation Summary

## Overtime Citations

		2010	2011	2012	2013	2014	2015	2016	2017	2018
AUGUST	PCF	0	42	0	0	74	30	56	48	
	Other	0	4	0	0	4	1	3	7	
	Mechanical	0	8	0	0	13	10	10	12	
	<b>TOTAL</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>41</b>	<b>69</b>	<b>67</b>	<b>0</b>
SEPTEMBER	PCF	0	68	49	0	47	82	56	82	
	Other	0	12	4	0	10	0	6	9	
	Mechanical	0	19	36	0	13	10	5	13	
	<b>TOTAL</b>	<b>0</b>	<b>99</b>	<b>89</b>	<b>0</b>	<b>70</b>	<b>92</b>	<b>67</b>	<b>104</b>	
OCTOBER	PCF	0	49	45	0	49	61	68	57	
	Other	0	2	48	0	2	3	5	4	
	Mechanical	0	15	2	0	9	2	4	21	
	<b>TOTAL</b>	<b>0</b>	<b>66</b>	<b>95</b>	<b>0</b>	<b>60</b>	<b>66</b>	<b>77</b>	<b>82</b>	
NOVEMBER	PCF	0	45	45	0	34	53	46	105	
	Other	0	11	5	0	1	0	6	3	
	Mechanical	0	16	13	0	11	10	5	27	
	<b>TOTAL</b>	<b>0</b>	<b>72</b>	<b>63</b>	<b>0</b>	<b>46</b>	<b>63</b>	<b>57</b>	<b>135</b>	
DECEMBER	PCF	0	7	62	0	43	20	58	45	
	Other	0	10	6	0	3	2	5	2	
	Mechanical	0	27	19	0	4	11	4	14	
	<b>TOTAL</b>	<b>0</b>	<b>44</b>	<b>87</b>	<b>0</b>	<b>50</b>	<b>33</b>	<b>67</b>	<b>61</b>	
<b>ANNUAL TOTALS:</b>		<b>50</b>	<b>914</b>	<b>986</b>	<b>603</b>	<b>1641</b>	<b>862</b>	<b>754</b>	<b>798</b>	<b>123</b>

# Extra California Highway Patrol Hours Worked on Highway 17

## San Jose Area

	2010	2011	2012	2013	2014	2015	2016	2017	2018
JANUARY	0	0	36	40	0	16	28	20	42
FEBRUARY	0	0	44	56	0	29	36	28	26.5
MARCH	0	152	36	44	88	43	36	0	40.5
APRIL	0	232	48	68	84	36	60	114.5	12
MAY	0	180	68	68	56	68	76	129	28
JUNE	22	48	132	64	380	49	16	45	28
JULY	0	28	0	0	0	20	28	22	
AUGUST	0	32	0	0	42	28	4	20	
SEPTEMBER	0	52	56	0	96	48	36	76.5	
OCTOBER	0	32	60	0	36	28	32	15.5	
NOVEMBER	0	40	48	0	32	24	53.5	74	
DECEMBER	0	32	48	0	24	48	39	95	
<b>TOTAL</b>	<b>22</b>	<b>828</b>	<b>576</b>	<b>340</b>	<b>838</b>	<b>437</b>	<b>444.5</b>	<b>639.5</b>	<b>177</b>



# PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 6, 2018 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

CONSTRUCTION PROJECTS									
	Project	Location/ Post Mile (PM)	Description	Construction Timeline	Construction Cost	Funding Source	Project Manager (Resident Engineer)	Contractor	Comments
1.	<b>Highway 17 Storm Water Mitigation (0Q600)</b>	Slightly north of the fishhook to Sims Road (PM 0.7-1.4)	Construct multiple storm water mitigation improvements	Winter 2017- Summer 2019	\$7.4 million	SHOPP	Doug Hessing (DP)	Graniterock, Watsonville, CA	Construction Complete. Erosion control establishment and vegetation will continue through next May 2019.
2.	<b>Highway 129 Open Grade Overlay and Metal Beam Guardrail Upgrade (1F030)</b>	From just east of Watsonville to School Road (PM 1.8/9.9 & SBt PM 0.0/0.4)	Place open graded friction course and replace, raise, and update the existing metal beam guardrail and end treatments	Fall 2017 - Fall 2018	\$5.5 million	SHOPP	Doug Hessing (KB)	Graniterock, Watsonville, CA	Project is scheduled to complete by the end of October 2018.
3.	<b>Highway 129/ Carlton Road Intersection Improvements (1F350)</b>	Near Watsonville from slightly west to slightly east of Carlton Road (PM 3.2-3.5)	Realign Carlton Road and construct a new intersection with left-turn channelization	Summer 2018 - Fall 2018	\$2 million	SHOPP	Doug Hessing (KB)	Graniterock, Watsonville, CA	Contract was approved on July 16, 2018. Construction scheduled to begin in early September 2018.

PROJECTS IN DEVELOPMENT									
	Project	Location/ Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
4.	<b>Highway 1 Pavement Overlay (1C850)</b>	From North Aptos underpass to State Route (SR) 9 (PM 10.2-17.5)	Pavement overlay	Spring 2019	\$14.9 million	SHOPP	Luis Duazo	Design	Project is in final design.



# PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 6, 2018 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

## PROJECTS IN DEVELOPMENT (Cont'd.)

	Project	Location/ Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
5.	<b>Highway 1/ Highway 17 Ramp Safety Improvements (1H060)</b>	From just south of the fishhook to just south of Pasatiempo overcrossing  (PM 16.7)	Construct ramp safety improvements	Spring 2020	\$5.8 million	SHOPP	Luis Duazo	Design	Project is on schedule.
6.	<b>Highway 9 San Lorenzo River Bridge and Kings Creek Bridge Replacement (1H470)</b>	Near Boulder Creek, at San Lorenzo River Bridge and at Kings Creek Bridge  (PM 13.6/15.5)	Replace bridges	Spring 2023	\$11.9 million	SB-1 Funding	Doug Hessing	PA&ED	Project is on schedule.
7.	<b>Highway 9 Shoulder Widening, Guardrail Upgrades, and Center Rumble Strips (1C650)</b>	In Castle Rock State Park, from 5 miles south of SR 35 to 3.3miles south of SR 35  (PM 22.1-23.8)	Shoulder widening, guardrail upgrades, and center rumble strips	Spring 2019	\$7.7 million	SHOPP	Doug Hessing	PS&E	Project is scheduled to advertise in late August after the August CTC vote to allocate funds. The contract is scheduled to be approved in November 2018. The contractor may want to go into winter suspension; construction could start as late as spring 2019.
8.	<b>Highway 17 Wildlife Habitat Crossing (1G260)</b>	From Laurel Road to just north of Laurel Road  (PM 9.442-9.692)	Construct wildlife undercrossing	2020	TBD	SHOPP	Aaron Henkel	PS&E	Project is on schedule and in Design.
9.	<b>Highway 129/ Lakeview Road Intersection Improvements (1G990)</b>	Near Watsonville, at Lakeview Road  (PM 1.4)	Construct roundabout and improve street lighting	2020	\$4.5 million	SHOPP	Luis Duazo	Design	Project is on schedule.
10.	<b>Highway 152 Americans with Disabilities Act (ADA) (1E020)</b>	Near Watsonville from Wagner Avenue to south of Holohan Road  (PM 1.3-R2.0)	Install sidewalks for ADA compliance	Winter 2018/2019	\$1.9 million	SHOPP	Mike Lew	Design	Construction scheduled to begin in December 2018.

PA&ED: Project Approval & Environmental Document

PS&E: Plans, Specifications, and Estimate

SHOPP: Statewide Highway Operation and Protection Program