1. Introductions

2. Additions or Deletions to the Agenda

3. Approve Draft Minutes of the September 12, 2012 Joint TOS Oversight Committee and Safe on 17 Meeting (Page 3)

4. Information Items
   a. FSP Program Update (Ginger Dykaar) (Page 8)
   b. Monterey Bay Area 511 Planning Study Update (Ginger Dykaar) (Page 10)
   c. Articles/Public Feedback (Ginger Dykaar) (Page 11)

5. California Highway Patrol – Safe on 17 Program Information
   a. Review Collision and Enforcement Statistics (San Jose) for the 3rd and 4th Quarters of 2012 and January 2013 (Lieutenant Bishop) (Page 15)
   b. Review Collision and Enforcement Statistics (Santa Cruz) for the 3rd and 4th Quarters of 2012 and January 2013 (Officer Jackson) (to be handed out at meeting)
   c. 2012 Highway 17 Extra CHP Enforcement Hours Public Information Activities (Officer Jackson and Lieutenant Bishop)
   d. Extra Enforcement Hours for the 3rd and 4th Quarters of 2012 (Ginger Dykaar) (Page 17)

6. Major Incident Review (CHP) (Page 18)

7. Caltrans District 5 Highway 17 Project Update (Page 22)
   a. Laurel Curve Update (Deb Larson/Mark Ballentine)
   b. Guardrail/Drainage Projects (Siobhan Saunders)
   c. Hwy 17 Access Management Plan (Brandy Rider)
   d. Other Projects
   e. Maintenance Projects/Updates
8. Caltrans District 4 Highway 17 Project Update
   a. Wet Weather Project Update (Shawn Enjily)
   b. Other Projects
   c. Maintenance Projects/Updates

9. Traffic Operations Systems
   a. Transportation Management Center Update (Ramin Bolourchian)
   b. Communications Update (Nicole Stewart)
   c. Maintenance Updates (Caltrans)
   d. Hwy 1 and 17 TOS Equipment Update (Jacques Van Zeventer) (Page 24)
      i. CCTV's
      ii. Traffic Detection Equipment
      iii. Other
   e. Caltrans QuickMap Update -(Jacques Van Zeventer)
   f. Bear Creek Ramp Meter Traffic Count (Marshall Ballard, VTA) (Page 25)

10. Additional Items

11. Next Meeting Date: Joint Safe on 17 Task Force & TOS Oversight Committee Meeting –
    Wednesday, September 11, 2013 10:00 to 12:00 at Santa Cruz County Regional
    Transportation Commission, 1523 Pacific Ave., Santa Cruz, CA 95060
JOINT MEETING OF
SANTA CRUZ COUNTY TRAFFIC OPERATIONS SYSTEMS (TOS) OVERSIGHT COMMITTEE
AND
SAFE ON 17 TASK FORCE
DRAFT MINUTES
Wednesday, September 12, 2012
10:00-12:30

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

TOS Oversight Committee and Safe on 17 Task Force Meeting Participants
Ramin Bolourchian, Caltrans District 4 TMC
Matt Olson, Santa Cruz CHP
Susana Cruz, Caltrans District 5 Public Affairs
Russell Ellingworth, Caltrans District 5 Maintenance
Sarah Jackson, Santa Cruz CHP
Nicole Stewart, CHP Monterey Dispatch
Donna Ziel, Alternate for Mark Stone, Board of Supervisors
Marshall Ballard, Valley Transit Authority
Siobhan Saunders, Caltrans District 5 Construction
Tom Barnett, Caltrans District 5 Maintenance
Lt. Bishop, San Jose CHP
Joanna Fox, Metropolitan Transportation Commission
Deb Larson, Caltrans District 5, Traffic Safety
Jacques Van Zeventer, Caltrans District 5
Richard Blacksten, Caltrans District 4 Maintenance
Ramona Turner, Santa Cruz Sentinel
Brandy Rider, Caltrans District 5
John Thorton, resident near Laurel Rd
Suzana Page, resident near Laurel Rd
Andrew Allansmith, resident near Laurel Rd
Jeanette MacDonald, resident near Laurel Rd
Erin Howelt, resident near Laurel Rd
Gregory Smith, resident near Laurel Rd
Robert Kundus, resident near Laurel Rd
Larry Lopp, resident near Laurel Rd
Leilani Davis, resident near Laurel Rd
George Dondero, Santa Cruz County Regional Transportation Commission
Ginger Dykaar, Santa Cruz County Regional Transportation Commission

1. Introductions – Introductions were made

2. Additions or Deletions to the Agenda – none.
3. **Reviewed and Accepted Minutes of the March 7, 2012 Joint TOS Oversight Committee and Safe on 17 Meeting**

4. **Received Information Items**

Governors Highway Safety Award - Sarah Jackson discussed the Governors Highway Safety Association award for the Safe on 17 Task Force.

Ginger Dykaar presented the following items.

Safe on 17 Annual Report - Report was completed in May, 2012 and was sent via email to task force members.

FSP Program Update – RTC needs to secure additional funds in order to continue FSP service on Highway 1 at the current level of service. Hwy 1 Auxiliary Lane project has funded FSP on Hwy 1 this fiscal year through March 2013 as a traffic management measure. Funds are needed for FSP service on Hwy 1 in FY 13/14.

Monterey Bay Area 511 Planning Study Update – An Implementation Plan for 511 Traveler Information is considering using Caltrans QuickMap for the traffic map page in addition to multimodal traveler information such as rideshare, transit trip planning, bike/ped resources and emergency information.

Articles/Public Feedback – Numerous articles were mentioned related to events on Highway 17.

5. **Received Update on California Highway Patrol Safe on 17 Program Statistics and Public Information Efforts**

Lt. Bishop stated that the collision statistics for the San Jose side of Hwy 17 for first 8 months of 2012 showed one fatality in April. The number of citations increased in June for both overtime and regular citations.

Officer Jackson stated that the collision statistics for the Santa Cruz County side of Hwy 17 for the first 7 months of 2012 show 1 fatality in March at Laurel Curve. No citations were given out in July due to issues in renewing extra enforcement contract. Captain Olson stated that Highway 17 is a major focus of the Santa Cruz CHP enforcement.

Officer Jackson provided handouts that show total collisions at Laurel Rd by year since 2007. In 2010, 77% of all collisions on Highway 17 were at Laurel Rd. Upgrades at Laurel Rd were completed in 2009. Barrier and signs put in place in March, 2012 have helped to decrease fatalities and major injuries.

San Jose CHP incorporated Safe on 17 materials in driver education classes presented to youth and companies such as Pac Bell. Santa Cruz CHP are in midst of working at the Santa Cruz
County Fair where they offer educational brochures for promoting safety on Hwy 17. Santa Cruz CHP also promotes driver safety through their Start Smart Driver Education classes and media partners who relay their message.

6. **Caltrans District 5 Highway 17 Project Update**

Laurel Curve Update – Deb Larson discussed the goal of the Traffic Safety Group, which is to reduce collisions and collision severity. Collisions are a result of roadway, vehicle and human factors with the majority of collisions resulting from human factors. In March 2012, a median barrier was placed along Hwy 17 separating NB and SB traffic at the Laurel Rd intersection, a head on curve warning sign was installed in the NB direction north of the Laurel Rd intersection, and a radar speed feedback sign was installed facing SB direction approaching Laurel Rd. A high friction surface treatment was installed on Laurel Curve in the southbound direction in July 2012. This surface treatment should help particularly in wet weather. Water should sheet off this section with high friction treatment without a problem due to the grading.

Other safety program projects under construction are summit slide repair at PM 11, guardrail upgrades at various locations between PM 6.0 and 12.6, concrete guardrail between PM 6.1 and 6.6 SB and Vinehill Wet Weather Improvements between PM 7.0 and 7.3.

Safety projects in the project approval and environmental document phases are crash cushion upgrades between PM 6.7 and 11.8, shoulder widening and concrete guardrail between PM 8.2 and 10.1 and shoulder widening/soil nail wall between PM 9.4 and 10.1.

Candidate Safety Program Projects being considered are southbound right shoulder widening at PM 0.1 to 0.4 and southbound shoulder widening/restripe at PM 16.9 to 17.1.

Hwy 17 Access Management Plan - Brandy Rider discussed how D5 Caltrans is working with D4, CHP, Santa Cruz and Santa Clara Counties and RTC to develop a plan to address access along the entire length of Hwy 17. Public outreach is a key component of the plan. This long term plan is needed to compete for funding to address access issues.

Residents from the vicinity of Laurel Rd explained the access issues they are experiencing now that the median barrier is in place on Hwy 17 at Laurel Rd eliminating access to Laurel Rd from Hwy 17 in the south bound direction and access to Hwy 17 from Laurel Rd going south bound. The distance that they have to travel to get to or from their home is significantly greater. In order to take u-turns to access Laurel Rd, they have to wait on Hwy 17 for much longer periods and they are concerned about their safety. Residents stated that we cannot tell whether the barrier has saved lives or if the signs and high friction treatment have reduced the collisions. Resident asked how many times the barrier has been hit.

Captain Olson stated that it is difficult to track how many times the barrier has been hit as people do not always notify CHP. There are many marks on the barrier. There have not been any u-turn collisions in places where people are turning around to access Laurel Rd.
Residents stated that there is a gentleman that owns property in the vicinity of Laurel Rd and Hwy 17 and will offer it for safety improvements to the area.

Guardrail/Drainage Projects – Siobhan Saunders discussed the safety projects on Hwy 17. The Santa’s Village Road project has been completed. Vine Hill Wet Weather project has been completed except for fixing lane markings and other minor issues. Hwy 17 Summit Rd slide repair work will start this fall to put in a retaining wall but should not require lane closures. The Guardrail Improvement Project will be re-advertised this fall as the previous contractor went bankrupt.

7. Caltrans District 4 Highway 17 Project Update

Wet Pavement Project - Ginger Dykaar representing Shawn Enjily stated that the Wet Pavement Project is 95% complete. The remaining 5% of the project is to line the culverts that are under the roadway for water quality purposes. The work will be performed in June of 2013 and will not require any lane closures. Neighbors are pleased that the traffic noise is down due to the pavement. Open grade pavement was laid down to reduce water forming in puddles in wet weather.

8. Received Traffic Operations Systems Review

TMC Update - Ramin Bolourchian stated that the changeable message sign on Hwy 1 near 41st sometimes malfunctions. D5 is working to fix this problem.

Communications Update – Nicole Stewart discussed that the new CAD system for Monterey dispatch is up and running. Golden Gate CAD is part of the hub now so communications should be smoother. There is a new system for dispatches in the field that are still resolving minor issues.

Review of CMS Activations Reports and Sigalerts - Ginger Dykaar worked with Nicole Stewart to determine if there is room for improvement on the sigalert and changeable message sign activation times so that sigalerts and CMSs are a reliable source of information to the motoring public. RTC would like to be informed when there is a major incident on our highways so we can respond to questions from the public. Nicole will add RTC to sigalert distribution list along with media for sending out the sigalerts by fax. She will see if there is an efficient way to send sigalerts by email. The current emails that RTC receives are “traffic advisories” from Caltrans and they come later than the sigalerts issued by Monterey dispatch. The chain of communication for an incident is CHP receives a call that there is an incident, CHP arrives on scene, CHP updates dispatch as is feasible, CHP sends out a sigalert if deemed necessary (30 minute delay is minimum), CHP dispatch contacts TMC. Changeable message signs are activated if traffic advisories are needed. CHP will do what they can to issue a sigalert in a timely manner given their first priority is to attend to the safety of the people in the traffic incident.
CHP is considering sending out Nixle alerts that push out information about traffic incidents on the highway to subscribers.

9. Received Updates on Traffic Operations Systems

Jacques Van Zeverter from Caltrans District 5 reported that there are many new traffic detectors and CCTVs on Hwy 1 and 17. Map of TOS made by RTC shows locations of the current equipment on our highways.

Caltrans QuickMap – Jacque Van Zeverter discussed “QuickMap”, the newly launched traffic map page that contains real-time traffic speed data, lane closures, CHP incidents, CCTV images and CMS sign messages.

10. Major Incident Review

San Jose – Big rig incident hit utility pole which brought power lines down in both directions near Lexington Reservoir. Tanker truck was on fire on Hwy 17 and highway was closed for 7 hrs on SB side and 4 hrs on NB side. Fire sped up the hillside in the middle of the night.

Santa Cruz – There were a number of major incidents in the past 6 months: cement truck incident on Hwy 1 and there were a couple of incidents on Soquel-San Jose Rd that affected Hwy 17.

11. Received Additional Items

No additional items.

Approved Next Meeting Date: Joint Safe on 17 Task Force & TOS Oversight Committee Meeting – Wednesday, March 13, 2013 10:00 to 12:30 at San Jose California Highway Patrol, 2020 Junction Ave., San Jose, CA 95131

Respectively submitted by

Ginger Dykaar
TO: Safe on 17 Task Force & Traffic Operation Systems Oversight Committee

FROM: Amy Naranjo, Transportation Planner and Ginger Dykaar, Transportation Planner

RE: Santa Cruz County Freeway Service Patrol Program Update

RECOMMENDATIONS

Receive an update on the Santa Cruz County Freeway Service Patrol Program.

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 Granite Creek 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.

DISCUSSION

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). Caltrans requires a match of 25% from the administering agencies to support the FSP program. Historically, the FSP matching funds from Santa Cruz County have been about 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, American Recovery and Reinvestment Act (ARRA) funds and Regional Surface Transportation Program (RSTP) funds. Matching funds for FSP for FY 13/14 have been secured from RSTP funds.

Highway 1 and 17 FSP Contract

The procurement process to contract tow operators for FSP service on Highway 17 and on Highway 1 for the next contract period has begun. The current contract with Ladd’s towing for FSP service on Highway 1 and 17 has been extended through
September 2013 to allow additional time for procuring a new contract. The procurement for FSP service on Highway 17 and Highway 1 from September 2013 through July 2017 will coincide in order to reduce staff time needed for the procurement of FSP services and to potentially increase the number of tow operators that will bid on the contract. Potential bidders can bid on providing FSP service for either Highway 1 or Highway 17 or both. Staff will release a request for proposals (RFP) for FSP service on Highway 1 and 17 in March 2013. An Evaluation Committee will be reviewing the proposals and recommending a bidder to our board at the June 2013 RTC meeting.

SUMMARY

Matching funds for FSP service on Highway 1 and 17 for FY 13/14 have been secured from RSTP funds. The procurement for contracting a tow operator for FSP service for the next 4 year contract period (September 2013 through July 2017) has begun. A request for proposals will be released in March 2013.

S:\TOS\TOS2013\March\FSPProgramUpdate.doc
RECOMMENDATION

Receive an update on the 511 Monterey Bay Area Traveler Information System.

BACKGROUND

The Santa Cruz County Regional Transportation Commission (RTC) and the Transportation Agency for Monterey County (TAMC) received a Caltrans Partnership Planning grant to prepare a Feasibility Study and Implementation Plan for a Monterey Bay Area 511 Traveler Information System. A wide range of traveler information can be provided over a 511 system, including real-time traffic conditions on highways and roads; transit schedules; carpool matching services; bike/pedestrian resources; and transportation impacts from weather, special events and emergency situations.

Traveler information systems can benefit the transportation system and its users by optimizing the use of the existing transportation infrastructure enabling people to make more informed choices for how and when they travel, providing easy access to traveler information in a single location, fostering sustainability and reducing greenhouse gases, and enhancing the economy by helping to move residents, visitors and goods more efficiently.

DISCUSSION

RTC and TAMC are considering partnering with Caltrans and embedding the Caltrans Quickmap onto a 511 regional traveler information website. QuickMap provides a real-time traffic map page that includes traffic speeds, CHP incidents, lane closures, changeable message signs, and live traffic cameras. A 511 website would also provide multimodal information such as a transit trip planner, rideshare information, bicycling and pedestrian resources and emergency information. This will be the most suitable, cost-effective way to deliver 511 services to the Monterey Bay region.

SUMMARY

Embedding Caltrans Quickmap onto a 511 regional traveler information website along with multimodal and emergency transportation information could be a cost effective way to provide traveler information to the residents and visitors to Santa Cruz County.
Land donation could key Highway 17, Laurel Road safety fixes
By Ramona Turner
Posted: 09/18/2012 08:32:32 PM PDT

SCOTTS VALLEY - Phil Velie wants to do what's safest for the community - both those who live and commute in the area of Highway 17 and Laurel Road.

Velie owns 300 acres of open space on the southeast side of the intersection and is in the process of subdividing a small portion of it so homes can be built there.

Rumor among mountain residents is he is willing to donate a portion of the land alongside the highway toward the cause of improving safety there.

Residents want the removal of a controversial temporary median Caltrans installed in March after a fatal collision in which a motorist lost control of his vehicle and crossed over the double yellow line, striking another vehicle head-on.

"I need to talk to Supervisor John Leopold in regard to what they are willing to do," he said. "We will cooperate but we need a plan before we talk about donations. We are very willing to work with the county and Caltrans with whatever they want to do there."

Velie and Leopold spoke briefly on the topic about three months ago but nothing further has come of it, Velie said.

"I initiated call to Leopold," he said, noting that he hasn't heard from Caltrans, only from mountain residents seeking his help to regain full access to Highway 17.

However, Leopold told the Sentinel that the conversation needs to take place between Velie and Caltrans.

Caltrans is embarking on a year-long study to determine whether an overpass or underpass would work here, he said, while noting the process will be long and the cost will be high. About $26 million has already been spent on safety improvements along the corridor since 1999, he said. Also note that Caltrans is spending $30 million to build an overpass at Highway 1 and Salinas Road to end left turn-related collisions there.

The Caltrans study will include looking at the role county roads will play in making the area safer for motorists, added Leopold.

During this process, he "will work very hard to make sure the public gets a chance to weigh in," he said.

When the state transportation agency installed the barrier, there was no community input to explain its impact on the neighboring community, said Leopold.

"The experiences of people living along Highway 17 needs to be taken into account," he said.

When it installed the median, it ended residents and visitors ability to make left turns from either the highway onto Laurel and vice versa. Instead, they must drive in the opposite direction to the next left turn pocket and wait for traffic to ease up so they can safely make a U-turn, something residents and Leopold described as a "white knuckle" experience.

While those who must make the U-turn feel it is unsafe and places their lives in danger, the California Highway Patrol reports there have been no reports of U-turn-related crashes on the highway. The agency also noted that in 2010, calls for service at the Highway 17 at Laurel amounted to 77 percent of those for the entire county. So far this year, those calls have dropped to 30 percent, said spokeswoman Officer Sarah Jackson.

"It's better and safer now in my opinion than before," Velie said of the wall. "Though, it is inconvenient for the residents."

While the numbers are looking good for now, Leopold said he hopes the mountain residents who are bravely trying to make U-turns several times daily along the highway to get their children to and from school in the Scotts Valley Unified School District don't become crash statistics themselves.
January 04, 2013 12:49 PM
Dear Mr. Farr,

Two weeks ago i was traveling 17N in the slow lane and spun out in Laurel Curve in light rain. i was going about 40-45 and slowing-braking when i started spinning like a top! and the fast lane cars were doing 55. The retired Sheriff that lives these says "there are too many accidents collisions and spinouts all the time at Laurel Curve, gives me something to do in retirement". The CHP officer said the same. The Rossi tow truck driver said the same. It is going to cost me out of pocket to fix my front and rear bumpers that hit the center divide about $9000. , in the slow lane, slowing down and touching my brakes may have started my car spinning like a top.

I know there has been a 17 corridor study group for years, but i don't see 17 sanded more often, like this morning here in san jose, the 30th of Dec 2012, the first morning we have frost on the lawn and all the roofs of s. willow glen. I was going to go to the Sunday ukelele club performance at Capitola's beach bandshell but seeing the frost here i figured there might be black ice on 17 and stayed at parents in san jose. It snows on 17 occasionally and they have to get out the plows so i know CalTrans has vehicles nearby. Let's use them more often , sand 17 often, and maybe make it much safer!

My folks have a weekend house at 412 mccormick, capitolia and i live in Burlingame when i am working so i am constantly driving 17 and wish you could get CalTrans to at the very least sand Laurel Curve regularly in the autumn and winter, and more of 17 if possible , like the big right turn over the summit N. bound. Sand is so abundant and there are sand quarries, so why is 17 after being repaved and the median improved "still extremely slippery even in light rain without hydroplaning" according to the CHP officer and the Rossi tow truck driver?

I hate to think of all the accidents and car damage waste going on that could be prevented if 17 was sanded regularly. The tow truck driver also recommended a night/rain time speed limit of 40 max for all of 17, which was my speed so i don't think that alone is the answer. Again, i was in the slow lane, and slowing-breaking in Laurel Curve. The last time i drove it last week i was in the slow lane at 35mph and no sand.

I also wish we had accident and spinout mapped stats for all highways and freeways so we the driving public could go to a website and see day to day and week to week,yearly, where accidents seem to cluster, like at Laurel Curve, i am now told. Any help you could give to make tourist and resident commute travel over hwy 17 safer would be greatly appreciated.

On another subject, i don't understand how the rich areas like Depot Hill in Capitola the the Santa Cruz Harbor neighborhood rate permit parking that costs the public that paid for the roads, not just the residents in houses that by law must have car parking private property areas. There are neighbors on McCormick who put out barricades to keep the public from parking in legal spaces on the side of the residential no-curb public road and act/say that the road in front of their house is "their private parking space and no one else's." They post permanent "no parking" signs. I have had my car damaged at night by one of these kooks for parking in front legally of their house in San Jose. We know who they are and tell new residents to beware of these adamantly confused people. This issue also needs your help, both in Capitola, Santa Cruz and San Jose.

Thank you for your time,
Sincerely,
d.g. van arsdale
Hello,

My name is Susan Page and I live on Laurel Road. I had a very frightening experience and need help. I was coming home from SJ at about 9:30 PM and making my left at Sugarloaf to make my U Turn to go back to Laurel Road.

There had been heavy rain for a couple of days, but it was not raining then.

What happened is, there were NO markers/lines visible to show me where to position my car in the middle of Highway 17 to make my left turn. As there was mud completely covering the white line on my right and the yellow line on my left.

The good news is there were no cars coming from south to north at that time, so I was able to just make the turn. If I had cars whizzing by me on either side, it could have been a very dangerous situation.

There are a few reflectors on the yellow line on my left just at the very beginning of that yellow line, but we must have reflectors on both sides to outline where to position our cars if the road is covered with mud.

Also, can you please update me about what is happening to make Laurel Road and 17 safe and open?

I look forward to your response.

Thank you very much!
Susan Page
408-981-9737
Santa Cruz County Collision and Citation Statistics will be handed out at the meeting
## San Jose Area CHP Collision Summary for SR-17 (Beat 171)

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### Total PDO:

- **1998**: 306
- **1999**: 234
- **2000**: 175
- **2001**: 145
- **2002**: 165
- **2003**: 148
- **2004**: 155
- **2005**: 135
- **2006**: 119
- **2007**: 121
- **2008**: 144
- **2009**: 149
- **2010**: 135

### Total Injuries:

- **1998**: 129
- **1999**: 101
- **2000**: 74
- **2001**: 48
- **2002**: 45
- **2003**: 53
- **2004**: 67
- **2005**: 52
- **2006**: 49
- **2007**: 44
- **2008**: 58
- **2009**: 36
- **2010**: 61

### Total Fatalities:

- **1998**: 0
- **1999**: 0
- **2000**: 0
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- **2003**: 0
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- **2008**: 0
- **2009**: 0
- **2010**: 0

### Total Collisions:

- **1998**: 435
- **1999**: 335
- **2000**: 315
- **2001**: 225
- **2002**: 190
- **2003**: 218
- **2004**: 218
- **2005**: 207
- **2006**: 185
- **2007**: 163
- **2008**: 180
- **2009**: 159
- **2010**: 206
- **2011**: 191
- **2012**: 178

Safe on 17/TOS, March 2013
## San Jose Area CHP SR-17 Citation Summary (Beat 171)

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<td>0 1 11 36 66 0 0 27 19</td>
<td>0 0</td>
<td>49 110 238 371 706 0 0 44 87</td>
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### Extra California Highway Patrol Hours Worked on Highway 17
*(thru 12/2012)*

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<td>382</td>
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<tr>
<td>TOTAL</td>
<td>909</td>
<td>706</td>
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Rollover clogs Highway 1 Friday evening

By TARMO HANNULA
of the Register-Pajaronian
WATSONVILLE — A solo-
vehicle crash turned Highway
1 into a parking lot for several
hours during the evening rush-
hour commute Friday.

The California Highway Pa-
rol reported that a gray 1961
Chevy pickup flipped over in
the northbound lane of High-
way 1 at 5:02 p.m. just north
of Salinas Road with a female
driver and her dog aboard.

That section of highway is
part the ongoing Salinas Road/
Highway 1 merge project reno-
vation.

North Monterey County
Fire Capt. Marvin Lenz said
there were no injuries and that
the driver and her dog exited
the overturned vehicle safely
before emergency officials ar-
rived.

North Monterey County Fire
was joined by American Medi-
cal Response paramedics, the
CHP and Watsonville Fire in
dealing with the incident.

“All we did was help secure
a fuel leak and deal with traffic
control,” Lenz said.

One evening commuter
called the Register-Pajaronian
to report that traffic in the
northbound lane of Highway 1
backed up as far south at the
power plant at Dolan Road in
Moss Landing and was travel-
ing at about “two miles per
hour.”

Photos by Tarmo Hannula/Register-Pajaronian

Pickup rolls off Hwy 1 7/25/13

WATSONVILLE — ABOVE: A Ford Ranger is shown on its side
after it shot off Highway 1 Monday following a collision with
a Toyota. According to the driver of the 2006 Toyota Prius, he
was approaching the spot where the highway merges into one
lane entering the Highway 1/Salinas Road merge project. At one
point, a man driving a white Ford Ranger hit the rear end of the
Prius, then continued south on Highway 1, eventually rolling
approximately 15 feet down a grassy hillside. “He clipped me
and literally went flying,” the man said. There were no injures.
Traffic on southbound Highway 1 just south of Riverside Drive
was delayed for about an hour. RIGHT: California Highway Patrol
officer Tom Frank collects information from the Prius driver.

Woman arrested after car crash

REGISTER-PAJARONIAN STAFF REPORT
APTOS — A Capitola
woman was arrested Tuesday
and charged with driving un-
der the influence of prescrip-
tion medication after her
minivan rolled and struck a
center divider on Highway 1, the California Highway Pa-
tron reported.

According to the CHP, Eva-
gelina Bersamin-Harried, 65,
was driving on northbound
Highway 1 near the Freedom
Boulevard off-ramp at approxi-
mately 5:20 p.m. Monday when
she lost control; struck the
center divide and rolled several
times.

Bersamin-Harried was
placed under arrest for DUI of
and transported by air ambu-
lance to Valley Medical Center
in San Jose.

APTOS

RV fire backs up
traffic for an hour
on Highway 1

A 1970s Dodge recre-
elional vehicle caught fire on
northbound Highway 1 just
north of Rio del Mar Boule-
vard about 12:30 p.m. Thurs-
day, the California Highway Patrol reported.

No other vehicles were
involved in the fire, said CHP
officer Sarah Jackson. It was
doused by firefighters in the
far right lane.

One person in the RV had
minor injuries but was not
transported to a hospital, said Apts/La Selva Fire
Chief Jeff Terpstra.

Authorities have not said
what caused the blaze.
Traffic was backed up on
northbound Highway 1 for at
least one hour after the fire.

Safe on 17/TOS, March 2013

Page 18
3-vehicle crash snarls Highway 1 traffic in Watsonville

By TOM DUNLAP
OF THE REGISTER-PAJARONIAN

WATSONVILLE — A Toyota sedan slammed into a pickup truck and another car Thursday morning on northbound Highway 1 in Watsonville.

The female driver of the Toyota sustained injuries in the 10 a.m. crash and was taken by ambulance to Watsonville Community Hospital.

The extent of her injuries was not known, although Watsonville Fire Capt. Rick Pettigrew said the driver "had some pain. Her car took a lot of impact."

Ruth Aspesi of Prunedale was driving a Ford F-150 pickup when the Toyota slammed into her.

"I never saw it coming," Aspesi said. "I'm guessing she never saw the (road work ahead) sign or was on her cellphone or something."

Aspesi's pickup sustained minor damage when the impact forced her into the guardrail.

The CHP closed two lanes of northbound Highway 1 during the investigation and cleanup.

The third car involved was a Toyota Matrix.

Watsonville firefighters and CHP officers assist the driver of a Toyota sedan Thursday morning on Highway 1 in Watsonville.

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APRINTS

Woman seriously hurt in Highway 1 crash

By STEPHEN BAXTER
sbaxter@sanjosecitytimes.com

APRINTS — A crash on northbound Highway 1 on Monday evening left a woman with potentially life-threatening injuries, firefighters said.

A silver van was headed north about 5:20 p.m. when it spun out near Freedom Boulevard and crashed into the center divider, said Aptos Fire Capt. Will Wingert. It was unclear what caused the crash.

A woman who appeared in her 50s was injured and transported to Dominican Hospital. She was then taken by helicopter to an out-of-county trauma center, firefighters said.

No one else was taken to a hospital.

Traffic was snarled for a few hours. The crash scene was cleared about 6:20 p.m.

Follow Sentinel reporter Stephen Baxter on Twitter @sbaxter_sc

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APRINTS

Teens flee Highway 1 crash

Three teens fled Tuesday after the Jeep they were riding in hit another vehicle and flipped over on the right shoulder of northbound Highway 1, the California Highway Patrol reported.

Officer Nick Petrinoivich said the Jeep was traveling north of Freedom Boulevard when the driver made an unsafe turn and struck a Volkswagen sedan traveling in the same direction at 6:30 p.m. The Volkswagen came to rest on the right shoulder; the sole occupant was uninjured.

Three occupants in the Jeep, all younger than 18, ran from the scene but were contacted by the CHP nearby on Soquel Drive, Petrinoivich said. The three, one of whom complained of pain, were not arrested pending further investigation.

Petrinoivich said alcohol or drug use is not believed to be a factor. Traffic slowed for a short period while the CHP investigated.
Pedestrian killed on Highway 129

REGISTER-PAJAROIAN STAFF REPORT

WATSONVILLE—A pedestrian was killed early Monday morning when he was struck by a vehicle on Highway 129, the California Highway Patrol reported.

According to the CHP, the driver was traveling eastbound on Highway 129 between Carlton Road and Silliman Road approximately 5:50 a.m. when he observed a man standing in the eastbound lane of Highway 129, facing north.

The driver, a 42-year-old Watsonville man, was unable to take evasive action and collided with the pedestrian, the CHP said.

The driver immediately stopped and called 911, and while he was on the phone with dispatchers, several other vehicles struck the pedestrian, the CHP said.

The identity of the pedestrian was not known at press time. Anyone with information is asked to call the California Highway Patrol at 662-0511 or the CHP dispatch at 796-2160.

Evidence markers are shown on the side of Highway 129 near Carlton Road Monday where a man was killed after he was run over multiple times.

SCOTTS VALLEY

School bus, rental truck collide on Highway 17

A 28-year-old Oakland man had major injuries Monday after his Penske rental truck collided with a Monte Vista Christian School bus, the California Highway Patrol reported.

The crash happened about 4:40 p.m. on southbound 17 near La Madrona Drive and Sims Road, said CHP officer Sarah Jackson. No students were on the school bus, which authorities said was behind the truck during the collision.

The bus driver suffered minor injuries. The CHP has not released the cause of the crash. The front end of the school bus was ripped off.

Authorities narrowed the highway to one southbound lane to investigate the crash. They expected to reopen it about 6:30 p.m.

CHP: Teen rolls SUV on Highway 17

A Los Altos teen lost control of a Honda Pilot on Highway 17 near Santa’s Village on Sunday, striking a light pole and overturning, the California Highway Patrol said.

The 17-year-old was heading north about 11 a.m. when his passenger, also age 17, realized the SUV had drifted to the right and was heading toward a light pole, officer Marty Contreras said.

The passenger grabbed the steering wheel and pushed it left and the Honda slid sideways and the passenger side struck the pole, Contreras said. The SUV continued to slide, hit a raised curb and overturned, landing on its wheels on the highway shoulder, he said.

Both teens suffered minor injuries and the highway was closed for about 30 minutes as officers cleared and investigated the crash, he said.
Crash shuts down highway, power

Press-Banner

A 17-year-old boy wrecked the truck he was driving when it crashed into at least one power pole Tuesday, Nov. 13, on Highway 9 at Glen Arbor Road in Ben Lomond, forcing crews to close the two-lane highway for more than 16 hours.

The accident, at 4:02 a.m., knocked out electricity to 2,400 Pacific Gas and Electric Co. customers, according to company spokesperson Monica Tell.

"The driver of the vehicle actually took down one of our poles, knocked down the transformer and damaged an additional three poles," Tell said at 4:30 p.m., 12 hours after the crash. "Because of the amount of damage done, our crews are still making repairs."

All but 24 customers were back online by 9:06 a.m. Tuesday, Tell said. Final repairs were made and the road was reopened at 8:15 p.m.

The 17-year-old driver, a San Lorenzo Valley resident, was driving a 2003 Ford F-150. He was uninjured in the crash and called his father, who picked him up before emergency responders arrived, according to CHP spokeswoman Sarah Jackson.

The boy and his father returned to the crash scene later in the day to make a report, and a CHP officer recognized the boy from a photo on a missing-persons list the officers receive.

Public safety workers throughout the county had been on the lookout since the boy was reported missing seven days earlier, Jackson said.

"He's been taken off the missing persons list (now)," Jackson said.

The cause of the accident is unclear, but the boy was not impaired, according to Jackson. The CHP has decided not to press hit-and-run charges at this time, she said.
### COMPLETED CONSTRUCTION PROJECTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Location</th>
<th>Description</th>
<th>Construction Timeline</th>
<th>Construction Cost</th>
<th>Funding Source</th>
<th>Implementing Agency</th>
<th>Project Manager (Resident Engineer)</th>
<th>Contractor</th>
<th>Comments</th>
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### CONSTRUCTION PROJECTS

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<tr>
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<th>Location</th>
<th>Description</th>
<th>Construction Timeline</th>
<th>Construction Cost</th>
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<th>Implementing Agency</th>
<th>Project Manager (Resident Engineer)</th>
<th>Contractor</th>
<th>Comments</th>
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<tbody>
<tr>
<td>3. Hwy. 1 Watsonville (CAPM) Rehab. (0M7504)</td>
<td>Hwy 1 (PM 0.0-10.2) In Santa Cruz County in Watsonville and Aptos from Pajaro River Bridge to North Aptos Underpass</td>
<td>Pavement Rehabilitation (hot mix asphalt on existing pavement)</td>
<td>April 15, 2012- Spring 2013</td>
<td>$12M</td>
<td>SHOPP</td>
<td>Caltrans</td>
<td>Luis Duazo (BR)</td>
<td>Pavex Construction Division, Watsonville</td>
<td>Night work with alternating lane and ramp closures. \ Work expected to complete end of March, weather permitting.</td>
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<tr>
<td>4. Hwy. 1 Guardrail/Crash Cushions (0M9704)</td>
<td>Highway 1, various locations from San Lorenzo R. Bridge to Waddell Creek (PM 17.4-26.0)</td>
<td>Upgrade guard rail, end treatments</td>
<td>Winter / Summer 2013</td>
<td>Total $2.8M</td>
<td>SHOPP</td>
<td>Caltrans</td>
<td>Doug Hessing (BR)</td>
<td>Coral Construction Company, Wilsonville, Oregon</td>
<td>Project Awarded on 2/14/13; pending approval</td>
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## CONSTRUCTION PROJECTS (CONTINUED)

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<th>Contractor</th>
<th>Comments</th>
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<tr>
<td>Hwy. 9 Holiday Lane Improvements (0K2304)</td>
<td>Construct Viaduct, Upgrade guard rail</td>
<td>Summer 2012 – Summer 2013</td>
<td>$1.3 M</td>
<td>SHOPP</td>
<td>Caltrans</td>
<td>Steve DiGrazia (AN)</td>
<td>Pavex Construction Div., Watsonville</td>
<td>Work began in September. Traffic control consists of one-way traffic control with a temporary signal 24/7. One year plant establishment once project completes.</td>
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## PROJECTS IN DEVELOPMENT

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<th>Project Manager</th>
<th>Phase</th>
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<tr>
<td>Hwy. 1 Guardrail Upgrade, Concrete Barrier, Retaining Wall (05-0R9101)</td>
<td>Upgrade Metal Beam Guard Rail, other improvements</td>
<td>Fall/ Winter 2013</td>
<td>$ 2.3 M</td>
<td>SHOPP</td>
<td>Caltrans</td>
<td>Doug Hessing</td>
<td>PS&amp;E/RW</td>
<td>Scheduled to be advertised early 2013.</td>
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</table>
Hwy 17 / Bear Creek Road On Ramp
Existing Conditions:

• Travel time doubles between 6 am at 18 minutes and 7:30 at 35 minutes
• Roadway capacity
  – Typical freeway capacity at base conditions – 2,000 pc/h
  – Hwy 17 is not a typical freeway
    • 1,800 pc/h, 1,700 pc/h
    • Exceeding capacity during the peak period
• Ramp meter field measurements:
  – Current rate is 2 vehicles per green every 4 seconds
• Vehicle observations and traffic counts
  – Where are the ramp metered vehicles coming from?
Existing Conditions: Hwy 17 Scotts Valley to Los Gatos AM Peak Period Travel Times via 511

traffic.511.org 511 Driving Times
HWY 17 Scotts Valley - Mt Hermon Rd to Los Gatos Saratoga Rd
Tues through Thursday

<table>
<thead>
<tr>
<th>Time of day</th>
<th>Typical Travel Time</th>
<th>Miles</th>
<th>Typical Speed</th>
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<td>55 mph</td>
</tr>
<tr>
<td>6:15 AM</td>
<td>18 min</td>
<td>16.5</td>
<td>55 mph</td>
</tr>
<tr>
<td>6:30 AM</td>
<td>19 min</td>
<td>16.5</td>
<td>52 mph</td>
</tr>
<tr>
<td>6:45 AM</td>
<td>20 min</td>
<td>16.5</td>
<td>50 mph</td>
</tr>
<tr>
<td>7:00 AM</td>
<td>21 min</td>
<td>16.5</td>
<td>47 mph</td>
</tr>
<tr>
<td>7:15 AM</td>
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<td>28 mph</td>
</tr>
<tr>
<td>7:45 AM</td>
<td>28 min</td>
<td>16.5</td>
<td>35 mph</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>26 min</td>
<td>16.5</td>
<td>38 mph</td>
</tr>
<tr>
<td>8:15 AM</td>
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<td>16.5</td>
<td>41 mph</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>28 min</td>
<td>16.5</td>
<td>35 mph</td>
</tr>
<tr>
<td>8:45 AM</td>
<td>22 min</td>
<td>16.5</td>
<td>45 mph</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>20 min</td>
<td>16.5</td>
<td>50 mph</td>
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</table>
Existing Conditions: Hwy 17 / Bear Creek Rd On Ramp September 8, 2012 through September 14, 2012

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<th>RAMP VOLUME</th>
<th>TOTAL VOLUME</th>
<th>PeMS All Lane</th>
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<td>703</td>
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<td>2979</td>
<td>587</td>
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<td>(09/12/12)</td>
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<td>3336</td>
<td>727</td>
<td>4063</td>
<td>3038</td>
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<tr>
<td>(09/13/12)</td>
<td>8 AM - 9 AM</td>
<td>2980</td>
<td>2980</td>
<td>598</td>
<td>3578</td>
<td>2748</td>
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Existing Conditions: 7-8 AM midweek travel times between in Santa Clara County, HWY 17
Existing Conditions: 8-9 AM midweek travel times between in Santa Clara County, HWY
Operational Issues

• AM peak period free-flow breakdown at Bear Creek Rd on Ramp
• AM peak period free-flow breakdown at Hwy 9/Saratoga – Los Gatos Rd pushes congestion upstream on Hwy 17 into safety corridor
• Keep traffic on Hwy 17 and not divert onto Old San Jose Rd
• Adjust Bear Creek Ramp Metering Rates
  - Study traffic volumes and origin
  - Analyze weekend tourist traffic problems