

Traffic Count of July 26, 2013. Analyses of the Results.

The purpose of this particular one day traffic count was to determine if there was a detectible increase of traffic, the percentage of trucks within the count and hopefully to obtain a reasonable accurate percentage of local traffic from within the total count. By no means is this submission meant to be scientific document.

We purposely choose the date Friday July 26th to be able to compare the results to the MOTi counts of previous years to 2004. We avoided the week-end as summer vacation traffic increases significantly during week-end days.

Yet, the 26th of July it self may cause a very minor discrepancy since July the 26th falls every year on a different day and traffic volume differs from day to day especially when close to a week-end.

Also, we elected that we would count 12 hours from 07.00 am to 7.00 pm. Here too, we may find a slight discrepancy. There is a change of shift every two hours which may interrupt the count momentarily.

We selected three counting locations each manned by 2 people on 2 hour shifts and which required 36 volunteers. The number of people involved proved to be no over kill as the ambient temperature reached 36° C and a 2 hour shift was about the limit that could be expected.

The counting stations were located on Drought Hill, at Clemente and at Antlers Beach. One person would count traffic going North, the other person would count traffic going South.

There are a number of arteries feeding the highway which are not part of this exercise. These are: Buchanan, Huston, Trepanier Bench, Todd Rd., 13 St. Ponderosa, Beach Ave, Princeton Ave and Renfrew. **Only Trepanier Bench and Princeton Ave. are somewhat significant.**

Summary of Traffic going South

1) The Drought Hill traffic volume on July 26th 2013 was **10.3% higher** compaired to the traffic volume on July 26th, 2012.

The count included a large number of motor bikes, may be as many as a hundred.

2) The busiest traffic hour on Drought Hill was between 3pm and 4 pm at **2,124** vehicles.

3) **10,498** vehicles traveled South on Drought Hill but only **9,932** vehicles passed the Clemente counting station. This would indicate that **566** vehicles entered Clemente, (IGA Parking lot). From these units **149** were registered as commercial. The **566** vehicles are registered as **local traffic**.

4) **9,932** vehicles traveled South from Clemente to the traffic count at Antlers Beach, but only **6,916** vehicles passed Antlers Beach station. This would indicate that **3,016** vehicles must have turned right on Princeton Ave. and some units must have turned left at Beach Ave.

SUMMARY of traffic going North

1) At Antlers Beach **6,706** vehicles traveled North during the twelve hour count. The number of vehicles increased to **9,742** at Clemente indicating that traffic from Princeton and Beach Ave entering Hwy 97 added **3,046** to the North going traffic flow.

Note how close the traffic count is of traffic going up and going down Princeton Ave.

2) The traffic count going North at Clemente logged **9,742** vehicles. At the Drought Hill count the traffic increased by only **67** vehicles to **9,809** vehicles.

Note how close the traffic count is of traffic going South on Drought-Hill and traffic going North on Drought Hill.

3) Local traffic takes in account the traffic entering and departing Clemente, (IGA parking Lot), going up and down Trepanier Bench, Ponderosa Drive, Princeton Ave. etc. A calculated guess of local traffic is about **6,695** vehicles. Local travel is **32.9%** of the total traffic.

4) Truck travel on Drought Hill, both ways, has been unusual light with a total of **914** rigs counted.

RECOMMENDATION

There are two, not very strong, findings in this presentation namely the assumption of the number of vehicles traveling on Princeton and the number of vehicles leaving Clemente.

The writer recommends that we will perform a 4 hour traffic count on Princeton Ave. to obtain an order of magnitude.

We could also do with a verification truck count on Drought-Hill during a mid week day.

The counting exercise has been successful thanks to the highway taskforce volunteers. It shows the tremendous value of the Highway 97 Society.

- 1) **Drought Hill Traffic,**
- 2) **Clements Traffic,**
- 3) **Antlers Beach Traffic.**

1) Drought Hill going South, 10,006 cars and 492 trucks were counted for a total of **10,498 vehicles.**

“ “ “ North, 9387 cars and 422 trucks were counted for a total of **9809 vehicles.**
Total 12 hour Traffic, 20,307 vehicles.

Compared to the number of **18,402 vehicles** counted by MOTi in 2012 same date and time period **the traffic has increased by 10.3%**

The busiest hour was 3pm to 4pm with **2,179 vehicles.**

2) Clements going South, 9,589 cars and 343 trucks were counted for a total of **9,932 vehicles.**

“ “ North, 9,253 cars and 489 trucks were counted for a total of **9,752 vehicles.**
Total 12 hour Traffic, 19,674 vehicles.

The busiest hour was 5pm to 6pm with **2102 vehicles.**

Note!! the difference in traffic volume between Drought Hill and Clements going south. The difference is **466 vehicles.** We assume that this represents part of the local traffic. The same units would travel back the same way but going in the North lane boosting local traffic to **932 vehicles**

3) Antlers Beach going South, 6,488 cars and 428 trucks were counted for a total of

“ “ “ North, 6,287 cars and 419 trucks were counted for a total of **6,488 vehicles.**
6,706 vehicles.
Total 12 hour Traffic, 13,622 vehicles.

Note!! The difference in traffic volume between Clements and Antler’s Beach going South is **3444 vehicles.** That difference appears to be rather high. It is true that the traffic into Princeton is also significant including all traffic pertaining to the city works, bus service, logging trucks and housing developments.

The busiest hour was 3pm to 4pm with **1385 vehicles.**