Nevada Strategic Highway Safety Plan

THE 5 ‘E’s of TRAFFIC SAFETY

Motorcycle Rider Safety

MCS - NV SHSP Nov 2012
MAP-21
Moving Ahead for Progress in the 21st Century

- MAPS- 21
WHY


LANE SHARING?
THE DATA POINTS TO A CRASH PREVENTION SAFETY MEASURE.

Filtering represents...

- 0.4% of accidents with physical injuries in Europe (MAIDS, 2003)
- 1% of fatal accidents in France and 0% in Paris in 2009 (Observatoire national de sécurité routière)

Motorcyclist Deaths in Rear-End Crashes 2005-2009

<table>
<thead>
<tr>
<th>Location</th>
<th>Deaths per 100,000 registration years</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>1.2</td>
</tr>
<tr>
<td>Arizona</td>
<td>4.5</td>
</tr>
<tr>
<td>Florida</td>
<td>2.8</td>
</tr>
<tr>
<td>Texas</td>
<td>2.2</td>
</tr>
<tr>
<td>US</td>
<td>1.6</td>
</tr>
</tbody>
</table>
Motorcycle Riders

1. 78% of the riders surveyed practice lane sharing on freeways.
2. 64% of the riders surveyed practice lane sharing on urban multi-lane roadways.
3. 50% of the riders don't always lane share.
4. 84% if the riders have never had any interaction with a car while lane sharing.
5. Where contact did occur, the majority of the contacts were with a mirror or a scraping of the vehicle being passed. (Motorcycle mirrors are the same general height as many vehicle mirrors, so a mirror contact as referred to here is generally a non-damage producing contact between the vehicle mirror and the motorcycle mirror.)
6. Only a small percentage of lane sharing riders were involved in injury producing contact.
7. 99% of lane sharing motorcycle riders had not been cited by law enforcement.
AND THE SURVEY SAYS! (Part 2)

**Vehicle Drivers**

1.47% of the drivers surveyed did not know lane sharing was legal.
2.7% of the drivers surveyed admitted to trying to block a lane sharing motorcycle.
3.95% of drivers had not had any contact event with a lane sharing motorcycle.
4. Of the 5% of drivers that had experienced a contact event, 86% reported the contact was a mirror contact or a minor scraping to their vehicle.
63% of the surveyed vehicle drivers disapprove of the practice of lane sharing for the following reasons:
   - 77% think it is unsafe.
   - 20% are afraid the motorcycle might crash.
   - 13% are afraid the motorcycle might cause them to crash.
Looking at Space and Forces
Screen shot from a Go Pro on my helmet, notice the rider ahead.

WHAT WOULD HARRY HURT THINK
ROADWAY MARKINGS
Hey Buddy, can you help a guy out?
Where should I look?

Is this too busy?
RECENTLY REHABED
Staggered Continental Crosswalk Marking. These markings are consistent with 3B.17 of the 2009 MUTCD. One of the hopes is the staggered marking will reduce maintenance because the paint is outside of wheel tracks. Also bicycle friendly.
As a motorcycle rider this is the field of view I have, no obstructions. Video frame from Go Pro mounted on my helmet.

As a vehicle driver, the view is limited by the ‘A’ pillars, a roof-line and the dash and hood. It is like a video screen.
The 5th “E,” EVERYBODY

HOW DOES LANE SHARING INCLUDE EVERYBODY?
THANK YOU

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