Challenge Area 2: Reduce the Occurrence and Consequence of Leaving the Roadway and Head-on Collisions

Summary of Updated Data, 2008-2010

Data reports have been provided for Challenge Area 2: *Summary of California Traffic Injury Trends, Area 2: Reduce the Occurrence and Consequence of Leaving the Roadway and Head-on Collisions*, for years 2003-2005, 2006-2008, 2008-2010. The following table summarizes the overall number of injury collisions and fatalities with those for Challenge Area 2.

<table>
<thead>
<tr>
<th>Year</th>
<th>Injury Collisions</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>CA 02</td>
</tr>
<tr>
<td>2003-2005</td>
<td>617,517</td>
<td>78,929</td>
</tr>
<tr>
<td>2006-2008</td>
<td>555,910</td>
<td>68,225</td>
</tr>
<tr>
<td>2008-2010</td>
<td>503,552</td>
<td>58,657</td>
</tr>
<tr>
<td>Change*</td>
<td>-113,965</td>
<td>-20,272</td>
</tr>
<tr>
<td>% Change*</td>
<td>-18.5%</td>
<td>-25.7%</td>
</tr>
</tbody>
</table>

*Between 2003-2005 and 2008-2010

2008-2010→**High Level Results**

- During the years 2008-2010 there were 503,552 collisions in California, of which 58,657 involved leaving the road and head-on collisions (11.6% of the total)
- During the years 2008-2010 there were 9,216 fatalities in California, of which 2,676 involved leaving the road and head-on collisions (29.0% of the total)
- Leaving the road and head-on collisions accounted for 11.6% of all collisions but 29.0% of fatalities
- 4.6% of leaving the road and head-on collisions result in fatalities, compared with 1.8% of overall collisions

**Bottom Line:** Leaving the road and head-on collisions are much more severe than collisions overall and accounted for almost one-third of all fatalities.

2008-2010→**Other Highlights**

- 28.6% of Challenge Area 2 collisions occurred on the State Highway system.
- The incidence of leaving the road and head-on collisions was elevated from 2:00 p.m. to 7:00 p.m. and peaked between 4:00 p.m. and 6:00 p.m.
- The counties with the highest collision occurrence included Los Angeles (22.9%), San Diego (7.2%), Orange (4.5%), Riverside (4.8%), and San Bernardino (5.1%).

**Bottom Line:** Very high clustering during rush hour; almost 50% of collisions were in just five counties; and almost one-third occurred on the State Highway System.

2003-2005→2008-2010 (Change)

- Between 2003-2005 and 2008-2010 in California, overall traffic collisions declined 18.5% and fatalities declined 27.0%.
- During the same two time periods, Challenge Area 2 collisions declined 25.7% and fatalities declined 36.4%.

**Bottom Line:** There has been a significantly larger decline in leaving the road and head-on collisions and fatalities than for overall collisions and fatalities.