Challenge Area 5: Improve Driver Decisions about Rights of Way and Turning

Summary of Updated Data, 2008-2010

Data reports have been provided for Challenge Area 5: *Summary of California Traffic Injury Trends, Area 5: Improve Driver Decisions about Rights of Way and Turning*, 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 5.

<table>
<thead>
<tr>
<th>Year</th>
<th>Injury Collisions</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>CA 05</td>
</tr>
<tr>
<td>2003-2005</td>
<td>617,517</td>
<td>110,295</td>
</tr>
<tr>
<td>2006-2008</td>
<td>555,910</td>
<td>105,462</td>
</tr>
<tr>
<td>2008-2010</td>
<td>503,552</td>
<td>94,981</td>
</tr>
<tr>
<td>Change*</td>
<td>-113,965</td>
<td>-15,314</td>
</tr>
<tr>
<td>% Change*</td>
<td>-18.5%</td>
<td>-13.9%</td>
</tr>
</tbody>
</table>

*Between 2003-2005 and 2008-2010

2008-2010→High Level Results

- During the years 2008-2010 there were 503,552 injury collisions in California, of which 94,981 involved right-of-way violations or improper driving (18.9% of the total).
- During the years 2008-2010 there were 9,216 fatalities in California, of which 2,122 involved right-of-way violations or improper driving (23.0% of the total).
- Right-of-way violations or improper driving accounted for 18.9% of all collisions but 23.0% of fatalities.

**Bottom Line:** Collisions involving right-of-way violations or improper driving accounted for almost one-quarter of all fatalities.

2008-2010→Other Highlights

- 49% of Challenge Area 5 collisions occurred on the State Highway System.
- Injury collisions involving right-of-way violations or improper driving were more than twice as likely to occur in urban areas (68.2%) than in rural areas (31.8%).
- The incidence of right-of-way violations or improper driving collisions was elevated from noon to 6:00 p.m. and peaked between 3:00 p.m. and 4:00 p.m.
- The counties with the highest collision occurrence included Los Angeles (25.6%), San Diego (9.5%), Orange (6.6%), Riverside (5.8%) and San Bernardino (6.3%).

**Bottom Line:** There was very high clustering during afternoon rush hour and in urban areas. Over half of collisions were in five counties, and half 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 5 injury collisions declined 13.9% and fatalities declined 28.9%.

**Bottom Line:** The decline in injury collisions and fatalities involving right-of-way violations or improper driving was similar to that for overall collisions and fatalities.