Challenge Area 7: Improve Intersection and Interchange Safety for Roadway Users

Summary of Updated Data, 2008-2010

Data reports have been provided for Challenge Area 7: Summary of California Traffic Injury Trends, Area 7: Improve Intersection and Interchange Safety for Roadway Users, 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 7.

<table>
<thead>
<tr>
<th>Year</th>
<th>Injury Collisions</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>CA 07</td>
<td>% Total</td>
<td>Total</td>
<td>CA 07</td>
<td>% Total</td>
<td></td>
</tr>
<tr>
<td>2003-2005</td>
<td>617,517</td>
<td>191,000</td>
<td>30.9%</td>
<td>12,623</td>
<td>2,424</td>
<td>19.2%</td>
<td></td>
</tr>
<tr>
<td>2006-2008</td>
<td>555,910</td>
<td>167,238</td>
<td>30.1%</td>
<td>11,565</td>
<td>2,194</td>
<td>19.0%</td>
<td></td>
</tr>
<tr>
<td>2008-2010</td>
<td>503,552</td>
<td>148,357</td>
<td>29.5%</td>
<td>9,216</td>
<td>1,769</td>
<td>19.2%</td>
<td></td>
</tr>
<tr>
<td>Change*</td>
<td>-113,965</td>
<td>-42,643</td>
<td>37.4%</td>
<td>-3,407</td>
<td>-655</td>
<td>19.2%</td>
<td></td>
</tr>
<tr>
<td>% Change*</td>
<td>-18.5%</td>
<td>-22.3%</td>
<td></td>
<td>-27.0%</td>
<td>-27.0%</td>
<td></td>
<td></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 148,357 involved intersections and interchanges (29.5% of the total).
- During the years 2008-2010 there were 9,216 fatalities in California, of which 1,769 involved intersections and interchanges (19.2% of the total).
- Collisions involving intersections and interchanges accounted for 29.5% of all injury collisions but 9.2% of fatalities.
- 1.2% of collisions involving intersections and interchanges result in fatalities, compared with 1.8% of overall injury collisions.

**Bottom Line:** Injury collisions involving intersections and interchanges accounted for less than 10% of all fatalities.

2008-2010→Other Highlights

- 11.1% of Challenge Area 7 injury collisions occurred on the State Highway System.
- Injury collisions involving intersections and interchanges were much more likely to occur in urban areas (88.1%) than in rural areas (11.8%).
- The most common crash type for Challenge Area 7 was broadside collisions (58.9%).
- The counties with the highest collision occurrence included Los Angeles (34.8%), San Diego (6.0%), Orange (7.8%), Santa Clara (4.6%) and San Bernardino (4.8%).

**Bottom Line:** The overwhelming majority of collisions occurred in urban areas, with the most common collision type being broadside. Just over 10% 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 7 collisions declined 22.3% and fatalities declined 27.0%.

**Bottom Line:** The decline in collisions and fatalities involving intersections and interchanges was similar to that for overall collisions and fatalities.