UNDERSTANDING THE SAFE SYSTEMS APPROACH TO VISION ZERO THROUGH INTERNATIONAL ROAD SAFETY DISPARITIES

ITE Western District
Monterey, CA

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Road Fatalities per 100 million VMT

Road Safety in the United States
MISSION ACCOMPLISHED
During our 90 minute session today, 7 people will die on U.S. roads
For every age group from 4 through 34: Road crashes were the #1 cause of death
Dying on the roads is bad for your health
Peer Comparisons

What if the United States was just as safe as some of these other countries?
How many lives would we save each year?

Netherlands: 27,175 fewer deaths = 76.4% reduction

Sweden: 30,980 fewer deaths = 67.8% reduction
If we were as safe as Sweden, we’d save nearly 310,000 lives over the course of a decade.
Peer Comparisons

What if the United States was just as safe as some of these other countries?

How many lives would we save each year?

Netherlands: 27,175 fewer deaths = 76.4% reduction

Sweden: 30,980 fewer deaths = 67.8% reduction

Australia: 22,512 fewer deaths = 56.1% reduction
SAFE ROADS
Roundabouts
AUS: 1 every 65 intersections
US: 1 every 1,118 intersections
Intersection Design
Street Design
Road User Behaviors
## Travel Behavior & Exposure

<table>
<thead>
<tr>
<th></th>
<th>UNITED STATES</th>
<th>AUSTRALIA</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Driving Distances</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Mileage per Driver</td>
<td>13,476 mi.</td>
<td>9,650 mi.</td>
<td>-28.4%</td>
</tr>
<tr>
<td>Annual Mileage per Person</td>
<td>9,788 mi.</td>
<td>6,378 mi.</td>
<td>-34.8%</td>
</tr>
<tr>
<td>Daily Mileage per Driver</td>
<td>36.9 mi.</td>
<td>26.4 mi.</td>
<td>-28.5%</td>
</tr>
<tr>
<td>Daily Mileage per Person</td>
<td>26.8 mi.</td>
<td>17.5 mi.</td>
<td>-34.8%</td>
</tr>
<tr>
<td>Average Commute Distance</td>
<td>11.8 mi.</td>
<td>9.7 mi.</td>
<td>-17.8%</td>
</tr>
<tr>
<td><strong>Commute Mode Shares</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Driving</td>
<td>85.6 %</td>
<td>79.4 %</td>
<td>-7.2%</td>
</tr>
<tr>
<td>% Transit</td>
<td>5.2 %</td>
<td>12.5 %</td>
<td>140.4%</td>
</tr>
<tr>
<td>% Active Transportation</td>
<td>3.4 %</td>
<td>5.8 %</td>
<td>70.6%</td>
</tr>
<tr>
<td>% Work from Home</td>
<td>4.6 %</td>
<td>5.0 %</td>
<td>8.7%</td>
</tr>
</tbody>
</table>

**Difference**
Driver Licensure
Enforcement
Impaired Driving
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