Neighborhood Traffic Control
Stop Sign Compliance & The Effectiveness of Speed Limits

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1. Stop Sign Requests
2. Speed Complaints
Stop Sign Compliance

1. Site Selection
2. Data Collection
3. Evaluation
4. Documentation
Stop Sign Compliance

8 Minnesota Cities:
- Chaska
- Edina
- Hastings
- Maple Grove
- Roseville
- St. Louis Park
- Victoria
- Woodbury

1 North Carolina City:
- Wilmington
Stop Sign Compliance

- Full Stop: 27%
- Rolling: 62%
- No Stop: 11%
Stop Sign Compliance

We’re Bad, as a group, at Full Stops

1. Follow the MUTCD Guidance
2. Use No Control/Yield Signs
Effectiveness of Local Speed Limits

The Chance of Being Killed by a Car Going 25 mph
Roll over the curved lines to see the risk at any speed

The Chance of Being Killed by a Car Going 30 mph
Roll over the curved lines to see the risk at any speed

Effectiveness of Local Speed Limits

1. Site Selection
2. Data Collection
3. Evaluation
4. Documentation
Effectiveness of Local Speed Limits

Minnesota:
- Woodbury

Wisconsin:
- River Falls

Arizona:
- Mesa
# Effectiveness of Local Speed Limits

<table>
<thead>
<tr>
<th>Location</th>
<th>Number</th>
<th>Total Volume Measured</th>
<th>Average Speed</th>
<th>85&lt;sup&gt;th&lt;/sup&gt; Percentile Speed</th>
<th>Percent Speeding</th>
</tr>
</thead>
<tbody>
<tr>
<td>River Falls, WI (25 mph)</td>
<td>17 Sites</td>
<td>214,160 vehicles</td>
<td>26.6 mph</td>
<td>32.1 mph</td>
<td>53.6 %</td>
</tr>
<tr>
<td>Mesa, AZ (25 mph)</td>
<td>70 Sites</td>
<td>N/A</td>
<td>24.5 mph</td>
<td>30.6 mph</td>
<td>47.0%</td>
</tr>
<tr>
<td>Woodbury, MN (30 mph)</td>
<td>46 Sites</td>
<td>191,120 vehicles</td>
<td>25.3 mph</td>
<td>31.1 mph</td>
<td>21.3 %</td>
</tr>
</tbody>
</table>
## Effectiveness of Local Speed Limits

<table>
<thead>
<tr>
<th>Typical Local Road</th>
<th>Average 85th Percentile Speeds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25 MPH Roads (Wisconsin)</td>
</tr>
<tr>
<td>28-foot Road Width</td>
<td>N/A</td>
</tr>
<tr>
<td>30-foot Road Width</td>
<td>31.8</td>
</tr>
<tr>
<td>32-foot Road Width</td>
<td>33.4</td>
</tr>
<tr>
<td>36-foot Road Width</td>
<td>30.8</td>
</tr>
<tr>
<td>40-foot Road Width</td>
<td>33.7</td>
</tr>
<tr>
<td>42-foot Road Width</td>
<td>33.9</td>
</tr>
</tbody>
</table>
Effectiveness of Local Speed Limits

Roadway width is a better indication of speeds than a sign.

1. Design for the desired travel speed
2. Functional classification system matters
Neighborhood Traffic Control

- Greater insight into stop signs and speed limits
- Information to use for Council and other discussions
- Design roads/intersection to behavior desired
- Lead to more studies?