A County’s Experience: Traffic Safety

County and Crash Data
- 2/50 residents
- 20% population, 45% crashes

Southern county of Portland, OR metropolitan area
Background:

County Population of 415,000

The Problem

- The landscape and design
- Land use
- Access to emergency services and trauma centers
- Lack of mobility
- Lack of financial resources

Contributing Factors for Crashes

The most frequent contributing factors in reported crashes are:

- Physical Environment: 36%
- Roadway: 34%
- Driver: 31%
- Other: 22%
- Vehicle: 21%
- Weather: 17%
- Lighting: 16%

*Clackamas County, TSAF data
What makes a rural setting so hard?

- Curves: vertical and horizontal
- Lack of edge lines
- Dark, wet and snowy roads
- Hard to maintain a spread out system
- Lack of grid means intersections are sometimes oddly oriented.

Horizontal and Vertical Curves
Roads that hug the terrain.

Lack of edge lines
Growth in LDA technology requires dual edge lines.
Unlit winding roads
- Dark
- Wet
- Snow

Non-grid system

Standards that miss a little bit if not completely
<table>
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<tr>
<th>What the big cities can do that we can't:</th>
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<tr>
<td>- Set own speeds</td>
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<td>- Camera Enforcement</td>
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<td>- Pilot projects</td>
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<td>- Specialists on the team</td>
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<th>The Opportunity</th>
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<td>- Local road funds</td>
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<td>- Create IGA's</td>
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<td>- Collaborative partners</td>
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<td>- Under the radar</td>
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<td>- Flexible government</td>
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<th>Collaboration is Essential</th>
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<td>- Public Health</td>
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<td>- Emergency Services</td>
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<td>- Sheriff (separately elected)</td>
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<td>- Other municipalities/towns</td>
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<td>- Other local law enforcement</td>
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<td>- State liquor license compliance team</td>
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<td>- Nonprofits focused on health and addiction</td>
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So, what is that we do?

- Low cost, proven measures for infrastructure
- Working to establish a positive safe driving culture
- Investing local funds in road safety
- No fear of failure

Low cost improvements

Examples

COUNTERMEASURE SELECTOR

- Delineators
- Rumble Strips
- Flashers
- Centerline Reflectorized Buttons
- High Friction Surface Treatment
- 6" Edgeline
- Stop Signs
- Traffic Signal

Examples:

* "Radar speed sign" by Richard Drdul [CC-SA 2.0]
* "Centerline Rumble Strip" by SayCheeeeeeese
Vehicle Wraps

In the classroom

In the auditorium
At events

• Stay under the radar
• Keep things lean
• Get everyone to buy in, early.
• Tie into economic opportunities and safety (and not mode shift).

Partners

Lessons learned