Texas Strategic Highway Safety Plan Update

1st Emphasis Area Team Meeting
Older Road Users
2/21/2017
Austin, TX
Agenda

• Welcome and Introductions

• Emphasis Area (EA) Team Purpose and Need

• EA Team Roles and Responsibilities

• Strategy Selection

• Next Steps
EMPHASIS AREA TEAM PURPOSE AND NEED
EA Team Meeting Objectives

1. First Meeting
   a) Introductions
   b) Identify members (4 E approach)
   c) Review the data
   d) Suggest strategies
   e) List data and research needs

2. Subsequent Meetings
   a) Countermeasures and Goals
   b) Potential dates
EMPHASIS AREA TEAM ROLES AND RESPONSIBILITIES
SHSP Requirements

- Data-driven problem identification
- Performance-based
- Proven effective strategies and countermeasures
- Five-year updates
- Regular evaluation
SHSP Requirements

• Include additional safety information
  – RSA findings
  – Rural roads
  – Bicyclists
  – Pedestrians

• Define high-risk rural roads

• Address older road user and pedestrian strategies if fatalities and serious injuries have increased
SHSP Timeline: First Steps

Phase I
Sept.–Nov.
Getting Organized

Phase II
Nov.–Dec.
Building Support

Phase III
Jan.–May
Outreach and Input
Phase III
Jan.–May.

- Develop Vision, Mission, and Brand
- Set Statewide Goals (2\textsuperscript{nd} Ex. Com. Meeting)
- \textbf{Facilitate Emphasis Area Team Meetings}
- \textbf{Schedule and Facilitate Regional Workshops}
- Continue Data Analysis and Outreach
STRATEGY SELECTION
Strategy Selection Guidelines

• Broad categories

• Examples
  – Demographics, e.g., gender, age
  – Crash location, e.g., intersections, urban areas
  – Road user behavior, e.g., impaired walking, distracted walking, pedestrian crossing behavior
Strategies vs. Countermeasures

• Strategies
  – Broad categories
  – Performance measures

• Countermeasures
  – Specific actions
  – Timelines
  – Measurement methods
Example

- **Strategy:** Reduce traffic related fatalities and serious injuries among older drivers and passengers

- **Countermeasures**
  - Examine the crash data to target road types where older road users are overrepresented in serious crashes.
  - Compare the Older Driver and Pedestrian Guidebook to Texas traffic engineering standards to identify which of the recommended strategies have been adopted.
  - Educate older drivers on after market tools that help them drive more safely and comfortably.
DATA ANALYSIS
Older Road Users Data

2010-2015

Drivers:
Fatalities: 1,582 (12%)
Severe injuries: 5,069 (8%)

Pedestrians:
Fatalities: 390 (14%)
Severe injuries: 483 (8%)
Older Road Users

2010-2015

Drivers:
41% Rural / 59% Urban

Pedestrians:
18% Rural / 82% Urban
Older Pedestrians

K&A
- Pedestrians Age 65 and Older
### Older Road Users

<table>
<thead>
<tr>
<th></th>
<th>2010-2014 Average rate of K&amp;A per 100,000 pop</th>
<th>2011-2015 Average rate of K&amp;A per 100,000 pop</th>
<th>2012-2016 Average rate of K&amp;A per 100,000 pop</th>
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</thead>
<tbody>
<tr>
<td>Older drivers</td>
<td>37.7</td>
<td>38.4</td>
<td>39.4</td>
</tr>
<tr>
<td>Older pedestrians</td>
<td>4.9</td>
<td>5.1</td>
<td>5.5</td>
</tr>
<tr>
<td>Total</td>
<td>42.6</td>
<td>43.5</td>
<td>44.9</td>
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- **Older drivers**: 4% ↑
- **Older pedestrians**: 13% ↑

*Note: K&A stands for Knocked-Over and Accidents.*
Group Exercise

• Suggest a strategy you think would reduce crashes, injuries, and fatalities relevant to this emphasis area.

• Create a list of strategies.

• Review and fine-tune the list.

• Note: An ideal number depends on the EA team preferences. Five or less is a good goal.
Older Road User Strategies
Older Road User Strategies
Older Road User Strategies
A Word on Countermeasures

- Effectiveness (history, current, new measures)
- Impact (history, priorities)
- Feasibility (policies, resources, expertise, sponsors, public acceptance)
Resources

• Solutions for Saving Lives on Texas Roads

• Texas Strategic Highway Safety Plan

• FHWA Clearinghouse
  – https://safety.fhwa.dot.gov/tools/crf/resources

• Countermeasures that Work

• Transportation Research Information Systems (TRIS)

• Impaired Driving Task Force Strategic Plan

SHSP website (available soon!)
Texasshsp.com
NEXT STEPS
Summary and Adjourn

• Summarize the data and information needs requested by the EA team members prior to the next meeting
• Select future meeting dates
• Adjourn