Texas Strategic Highway Safety Plan Update

3rd Emphasis Area Team Meeting
Roadway and Lane Departure
3/24/2017
Austin, TX

Agenda

- Welcome and introductions (roll call)
- Review new data runs
- Finalize strategies
- Discuss countermeasures

Team Members

Commitment	Responsible Person	Due Date
Talk to Ken Mora about Safety Edge	Darren McDaniel	Next Meeting
Talk to air flight response people about joining EA team	Lucille Maes	Next Meetin
Ask Senior Sergeant Danny Plummer about joining the EA team	Darren McDaniel	Complete

SVROR K & A Crashes: Object Struck

Urban

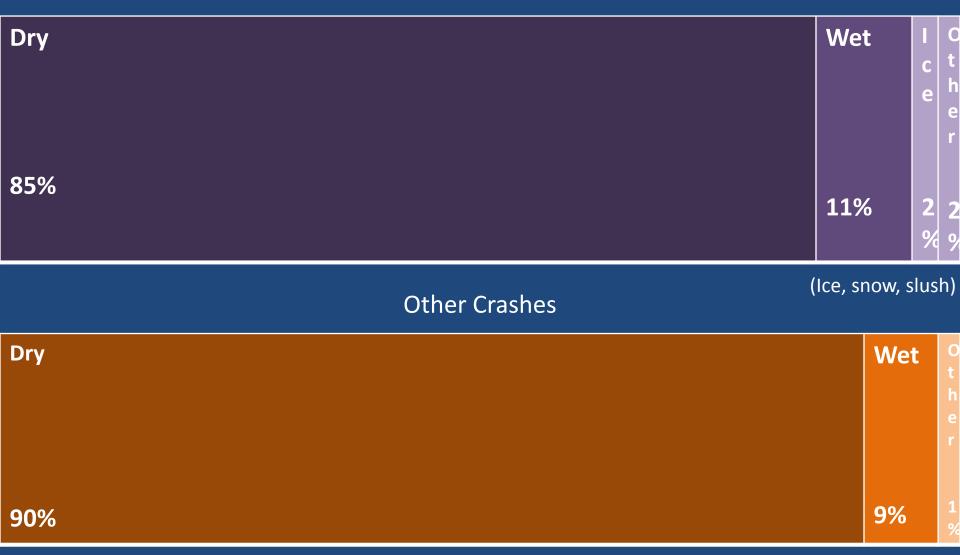| Over-turned	Tree, shrub, lands	Curb	Med Barrier	Guardrail	Con-traf-fic barr-er	Utility pole	Other fixed obj	Luminare pole	Other
11%	11%	9%	9%	7%	6%	6%	5%	5%	31%

Rural

Overturned	Tree, shrub, lands	Fence	Culvert headwall	Guardrail	Other
28%	16%	13%	7%	5%	31%

K & A Crashes: Surface condition comparison

SVROR

Dry	Wet	Ice	Other
85%	11%	2%	2%

(Ice, snow, slush)

Other Crashes

Dry	Wet	Other
90%	9%	1%

COUNTERMEASURES

A Word on Countermeasures

Effectiveness (history, current, new measures)

Impact (history, priorities)

Feasibility (policies, resources, expertise, sponsors, public acceptance)

Analysis

- Analyze ROR and head-on crashes and roadway characteristics using the new safety methodologies (e.g. HSM and systemic approaches)

    - Improve data systems for targeting locations with a high probability of at high risk for roadway departure crashes by road (city street, arterial, connectors, etc.), vehicle (passenger vehicle, motorcycle, bicycle, etc.), and location (rural, urban, suburban) type.

    - Enhance methods to identify performance measures to assess ROR and head-on crashes

Implementation

- Keep vehicles from encroaching on the roadside or opposite lane
  - Provide positive guidance to keep vehicles in their lane
  - Provide measures to allow drivers to traverse curves

Implementation cont.

- Minimize the consequences of vehicles leaving the road
  - Implement barriers and forgiving roadside countermeasures
  - Median treatments

Implementation

- Minimize the likelihood of crashing in adverse conditions

    - Implement countermeasures to reduce nighttime crashes.

    - Identify and address locations subject to wet weather ROR crashes.

Behavioral

- Identify and address behavioral characteristics with roadway departure.

    - Develop and implement strategies to encourage drivers to adjust speeds appropriately.

Emergency Response

- Improve emergency response time in rural areas

Summary and Adjourn

- Review action items
- Schedule additional meeting if needed
- Announcements
- Adjourn