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Questions and Discussion



Fatalities in the USA (2013 - 2015 Average)

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National Average – 33,576 Fatalities



AASHTO Strategic Plan

Strategic Objective

Promote highway-related strategies to assist in cutting fatalities by half by 2030 with a vision towards zero fatalities.

2010/Strategic Plan/2014





S T A N D I N G COMMITTEE ON HIGHWAYS



Roadway Departure Fatalities Percent (2013 - 2015 Average)

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FHWA Roadway Departure Strategic Plan

Roadway Departure Fatalities by Most Harmful Event (FARS 2012-2014)

Nearly ³/₄ of 4,947 **Roadway Departure** 27% Fatal Crashes are Rollover from 3 crash types. 4,572 3,504 25% 19% Trees Head-on

Overturn Crashes



Source: FARS 2010-2013

Opposite Direction Crashes



NCHRP Report 500, Volume 6 Reported that only 4.2% of head-ons involved a passing vehicle.

Source: FARS 2010-2013

Fixed Object Fatal Crashes



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Trees, Shrubs

- Signs, Poles, Signals
- Other Fixed Object
- Barriers
- Roadside Topography

Trees are 48% of Fixed Object Fatalities

Source: FARS 2010-2013

Tree Crashes

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Trees are 48% of Fixed Object Fatalities

So, why do drivers leave the road?

- Roadway Condition
- Collision Avoidance
- Vehicle Component Failure
- Driver Error

Crashes Caused by Various Factors: Systems Approach

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