

Roadway & Lane Departure Emphasis Area Team Report Thursday, March 16, 2017, 2:00 p.m.

Follow Up Commitments

Commitment	Responsible Person	Due Date
Talk to someone in air flight response about joining team	Lucille Maes	Next meeting
Talk to Ken Mora about Safety Edge	Darren McDaniel	Next meeting
Ask Senior sergeant Danny Plumer with Dallas County Sheriff's Dept. to join team	Darren McDaniel	Next meeting

Participants

Name	Agency/Organization
Rebecca Wells, Team Leader	TxDOT-ATL
Paul Causey	Associated General Contractors of Texas
David Dennis	Oldcastle Materials
Karen Dixon	Texas A&M Transportation Institute
Sonya Landrum	North Central TX Council of Governments
Lucille Maes	Angleton Area Emergency Medical Corps
Amanda Martinez	TxDOT
Ken Mora	TxDOT-DES
Stephen Ratke	FHWA-TX
Darren McDaniel	TxDOT
Eva Shipp	Texas A&M Transportation Institute
Srinivas Geedipally	Texas A&M Transportation Institute

Strategies and Countermeasures

Please review the strategies and countermeasures to make sure they are worded as you intended. We hope to finish this section of the Texas Strategic Highway Safety Plan by the end of the next meeting if possible. You will soon be receiving instructions for providing comments and/or additional countermeasure suggestions for any of the strategies. We will collate your suggestions and discuss them on the next call (March 24, 9:30 – 11:00 a.m.).

Roadway & Lane Departure Safety Strategies - Revised

Strategy #1: Analyze TROR and head-on crashes and roadway characteristics using the new safety methodologies (e.g. HSM and systemic approaches)

Countermeasures and Programs

- Improve data systems for targeting locations with a high probability or 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

Strategy #2: Keep vehicles from encroaching on the roadside or opposite lane

Countermeasures and Programs

- Provide positive guidance to keep vehicles in their lane
- Provide measures to allow drivers to traverse curves

Strategy #3: Minimize the consequences of vehicles leaving the road

Countermeasures and Programs

- Implement barriers and forgiving roadside countermeasures
- Median treatments

Strategy #4: Minimize the likelihood of crashing in adverse conditions

Countermeasures and Programs

- Implement countermeasures to reduce nighttime crashes
- Identify and address locations subject to wet weather ROR crashes

Strategy #5: Identify and address behavioral characteristics associated with roadway departure

Countermeasures and Programs

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

Strategy #6: Improve emergency response time in rural areas

Next Steps

Data and Resource Requests

- % of time the pavement is wet vs wet weather crashes (possibly research project 0-0681)
- Type of object hit for first hit object
- Distance from road object hit, if possible

Additional Resources

- Improving Safety and Efficiency of Signalized Intersections During Inclement Weather (0-6861)
<http://library.ctr.utexas.edu/Presto/content/Detail.aspx?ctID=UmVzZWFyY2gtaW4tUHJvZ3Jlc3NfMTEzMjY=&rID=MzQ5&ssid=c2NyZWVuSURfMTI4NzM=>
- Traffic Safety Conference
<https://tti.tamu.edu/group/cts/traffic-safety-conference/2017-traffic-safety-conference/>

Upcoming Meeting Dates

- Friday, March 24, 9:30-11:00a.m.