

Intersection Emphasis Area Team Report Wednesday, March 8, 2017, 9:30 a.m.

Follow Up Commitments

Commitment	Responsible Person	Due Date
Submit potential countermeasures	Entire team	
Ask someone from the Dallas Injury Prevention Center to join team	Kevin Cunningham	Next meeting
Get HGAC report for red-light cameras to post on website	Darren McDaniel	Next meeting
Add ISIP plans to SHSP website	Darren McDaniel	Next meeting

Participants

Name	Agency/Organization
Brian Moen, Team Leader	City of Frisco
Kevin Cunningham	Cedar Hill Fire/EMS Department
John Denholm	Lee Engineering
Edgar Fino	TxDOT - El Paso
Kevin Kroll	North Central TX Council of Governments
Amanda Martinez	TxDOT
Terry Pence	TxDOT-TRF
Stephen Ratke	FHWA-TX
Rebecca Wells	TxDOT - ATL
Toni Whitfield	FHWA - TX
Darren McDaniel	TxDOT
Stacey Schrank	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 22, 9:30 – 11:00 a.m.).

Intersection Safety Strategies - Revised

Strategy: Improve data systems for identifying specific intersections and intersection types at high risk for serious injury crashes

Countermeasures and Programs

- Improve safety data on intersections by developing an intersection database, e.g., roadway characteristics, traffic volumes, # of driveways, type of controls

Strategy: Consider alternative design strategies for improving intersection safety

Countermeasures and Programs

- Educate decision makers and the public on the safety factors associated with roundabouts

Strategy: Improve pedestrian safety at high risk intersections

Strategy: Increase driver awareness of intersections, e.g., pavement markings, flashing beacons, risk factors, etc.

Countermeasures and Programs

- Implement proven, low cost engineering countermeasures in a systemic manner
 - Advance signal ahead warning sign
 - Flashers on signal ahead warning sign
 - Arrow pavement markings
 - Stop lines
 - Lane lines
 - Lane control signs
 - Advance cross street name signs
 - No Turn on Red signs
 - Protected Left Turn Phase
 - One signal head per lane
 - Supplemental signal head

- Traffic signal back plates
- Red light indicator lights
- Pedestrian signal
- Pedestrian signal push button
- Yield to pedestrians sign
- Sidewalks
- Curb ramps
- Pedestrian crosswalk
- Intersection lighting
- High-friction surface treatment
- Remove On-street parking

Strategy: Develop educational campaigns incorporating data analysis to improve intersection safety

Countermeasures and Programs

- Publicize high crash locations and point out the contributing crash factors, e.g., impaired driving, texting, phone use, etc.
- Increase and renew emphasis on safe driving behaviors in driver education

Strategy: Reduce red light running

Countermeasures and Programs

- Use targeted enforcement at high incident locations
- Research and address the factors contributing to reduced law enforcement citations
- Educate decision makers and the public on the effectiveness and appropriate use of automated enforcement

Next Steps

Data and Resource Requests

- Types of crashes (left-turning, rear end, red light running, etc.)
- Crash tree analysis for intersections

- Comparison of fatalities and severe injuries at signalized intersections with automated enforcement vs. signalized intersections without automated enforcement
- What % of failure to control speed are rear-end crashes
- Consider 3 TIM performance measures relative to intersection crashes – secondary crashes, incident clearance times, and roadway clearance time.
- Look at location of intersection crashes and compare to jurisdictions that have had TIM responder training

Additional Resources

- Crash records forms and reporting instructions
<http://www.txdot.gov/government/enforcement/crash-records.html>
- Roundabout Outreach and Education Toolbox
<https://safety.fhwa.dot.gov/intersection/innovative/roundabouts/roundabout-toolbox/>
- Unsignalized Intersection Improvement Guide
<http://www.ite.org/uiig/>
- Don't Block the Box
<http://www.austintexas.gov/DontBlockTheBox>

Upcoming Meeting Dates

- Wednesday, March 22, 9:30-11:00 a.m.