

15 Years of Minnesota TZD: Major Accomplishments and What the Future Holds?

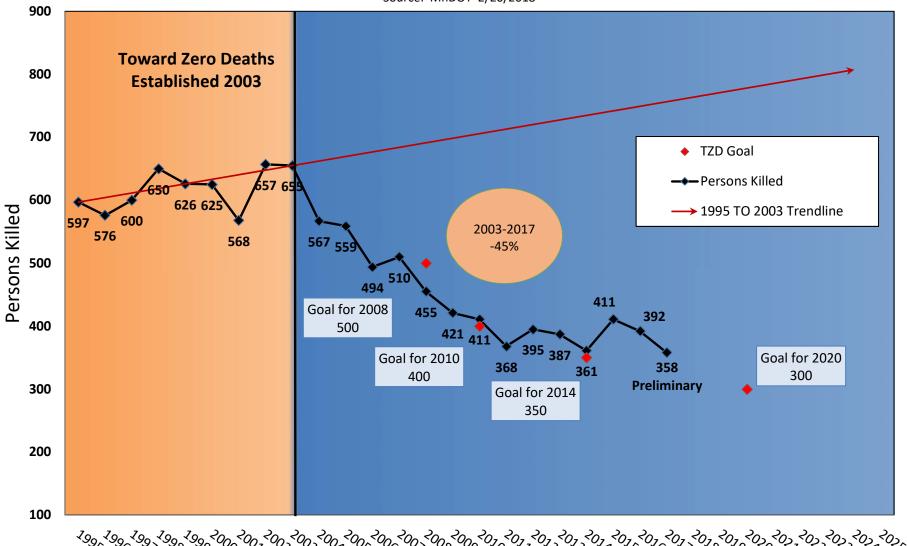
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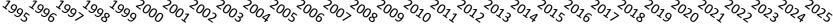




Minnesota Roadway Fatalities

Source: MnDOT 2/20/2018







How are other states doing?

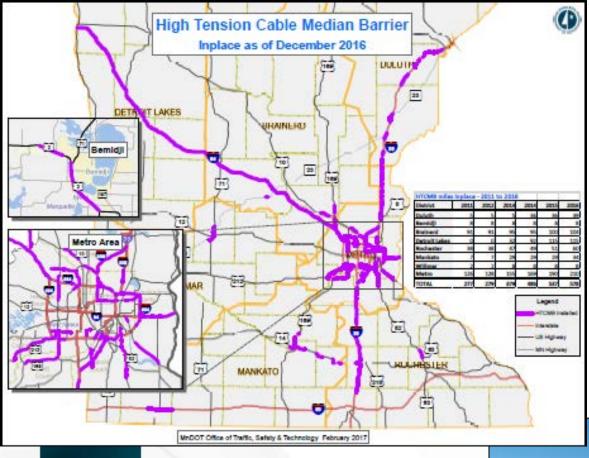
Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin





NHTSA Region 5





Minnesota High Tension Cable Median Barrier

95% Reduction in Fatal Head-on Crashes

2003: None

2014: More than

450 miles

2016: 578 miles





Roundabouts



- Removes Right Angle Crash potential (T-bone crashes)
- Reduces severe crashes by 80-90%
- Delay Reduction versus a 4-way Stop or Signalization

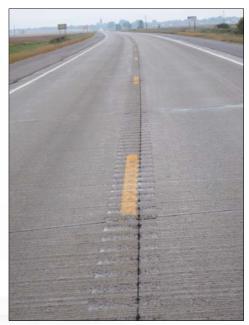
Description	Total Crashes	К	Α	В	С	PDO
Before Crash Rate	0.442	0.0062	0.015	0.054	0.124	0.243
After Crash Rate	0.323	0.001	0.0025	0.022	0.054	0.244
Percent Increase/Decrease (By Rate)	-27.0%	-89.9%	-83.4%	-60.9%	-56.3%	+0.4%



Edgeline & Centerline Rumble Strips









Reduced Conflict Intersections



- 100% Reduction in Fatal and Serious Injury Crashes
- 77% Reduction in Right Angle Crashes
- Many more sites planned, programmed, or in development



County Road Safety Plans

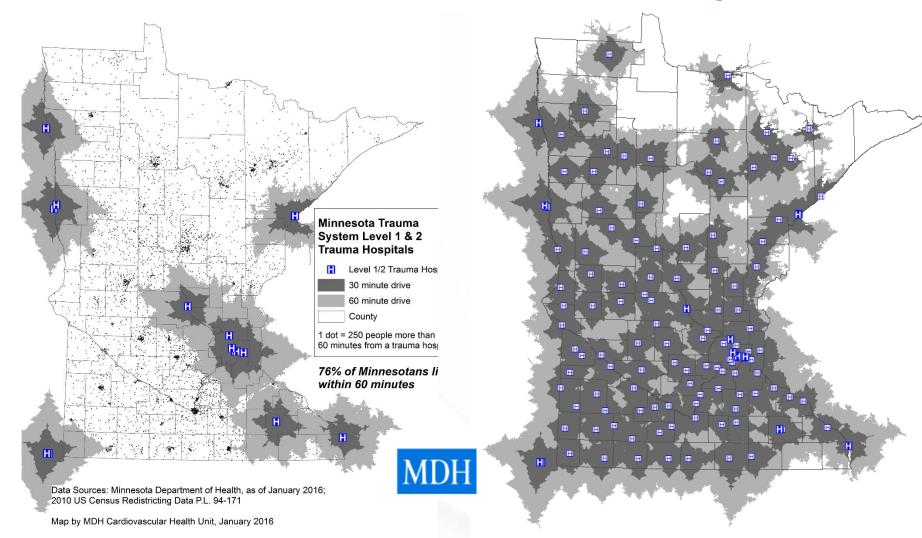


According to Rick West, Otter Tail County engineer:

"...provide practitioners with a detailed, prioritized county-wide, safety plan to guide and support future safety investments. The benefits far outweigh the challenges and have resulted in a safety culture change in Otter Tail County."



Established Statewide Trauma System





Pre- and Post-TZD

Statewide Aero Medical Policy

- "Es" coming together for incident management
- Reduces response time
- Removes liability in decisionmaking







Losing a Loved One

A wife who loses a husband is called a widow.

A husband who loses a wife is called a widower.

A child who loses his parents is called an orphan.

But there's no word for a parent who loses a child; that's how awful the loss is!

Jay Neugeboren; An Orphan's Tale

Point of Impact: Teen Driver Safety Parent Awareness Classes











DWI Courts





Enforcement

- Highly Visible
- Targeted
- Coordinated state and local efforts
- Multi-state border to border efforts





Driver License Sanctions – Ignition





The number of impaired (BAC ≥ 0.08%) drivers in fatal crashes falls

- When states require interlocks for repeat offenders only
 - 8% when states require interlocks for repeat offenders and first offenders with high BACs
 - 16% when states require interlocks for all DUI offenders, including first offenders



Motorcycle Safety Training



- 2011: MN Advanced Rider Courses
- 2012: MN Expert Rider Courses
- Added Trainings: 3-Wheel, Moped, Road Guard, Skills Re-test, etc.

1986: 375 Students

Through 2017: 169,740 students in all courses



Teen Hands-on Learning Activities







Wheel of Distraction

Pedal Kart Obstacle Course

TZD Buckle Up Stencil

Example: Bemidji State University (Pennington & Red Lake Counties)







Minnesota Roadway Fatalities

Source: MnDOT 2/20/2018

2005 Statewide Trauma System & 0.8 BAC for DWI 2006
Cell Phone
Ban
(Under 18
and
Provisional
Drivers)

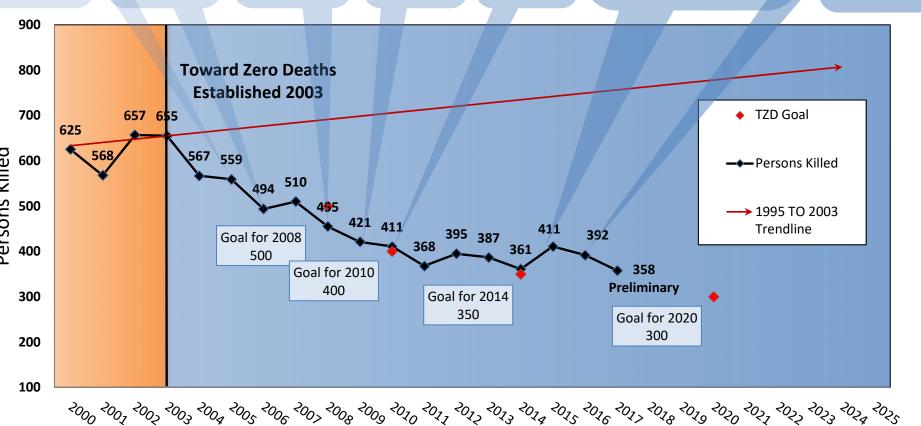
2008
Texting
Prohibited
While
Driving &
Expanded
GDL Laws

2009
Primary
Seat Belt,
Booster
Seat,
Expanded
GDL Laws

2010
Driver
License
Sanctions
Ignition
Interlock

2014
Additional Work Zone
Speeding Fines;
Increased Hours of
Practice for Teen
Drivers & Require
Driver Educators to
Offer Parent Training

2015
Increased
fine for
texting and
driving
second
offense







What is Traffic Safety Culture?

Shared:

- Values
- Beliefs
- Norms
- Attitudes





North Memorial Health Care





Safeway Driving School





MnDOT
Fleet &
Watercraft!

2017: 3-Year
Traffic Safety
Culture
Community
Pilot Program
begins

3-Phase Work Plan

- Establish community partnerships
- Develop traffic safety culture strategies
- Implement traffic safety strategies





Message Monday!



November 2016

Partnering with MnDOT & DPS

Sharing with Iowa & Wisconsin DOTs



From a Facebook message:

Hi MnDOT! I am a Pennsylvania resident, but was out in Minnesota visiting friends



and saw your sign on 62 near Minnetonka.
I loved it so much, I stitched it on a T-shirt and I wanted to share.
Have a great day!!



Traffic Safety Culture





What Makes TZD Successful?

- Addresses all roads
- Multidisciplined,"4-E" approach
- Proactive/ systematic
- Breakdown

obstacles (time, attention, silos, resources, habits, turf, credit, attitude)





What lies ahead?





The Future: Automated Vehicles





Speed Study Pilot Project – Portable Speed Signs







"It is an education tool and an enforcement enhancer, it puts the driver on notice." - Capt. Joe Dwyer, MSP District 2800

Future: Partnerships with Neighboring/Midwestern states

- North Dakota
- South Dakota
- lowa
- Wisconsin
- Illinois
- Michigan







Increase Active Statewide Coalitions to all 87 Counties

Counties without coalitions

Kittison Mahnomen Pipestone

Roseau Wilkin Lincoln

Lake of the Woods Traverse Brown

Clearwater Stevens Rock

Norman Pope Sibley

Red Lake Becker Waseca

Pine Cass Steele

Koochiching Wadena Mower

Cook Todd Carver

Hennepin

Anoka



What's next?

Please share your ideas with us!







We are in this together for our communities, families and friends.



Questions & Answers

Contact Information

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