Vision

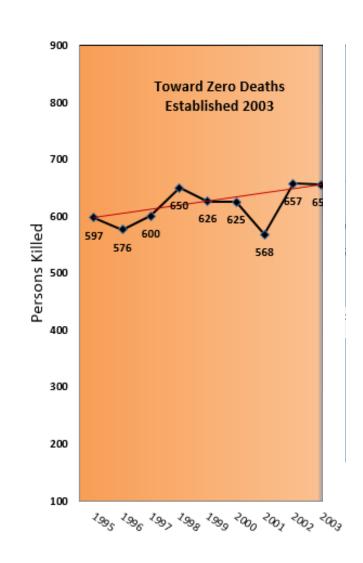
To prevent fatalities and serious injuries on Minnesota's roads to get to zero





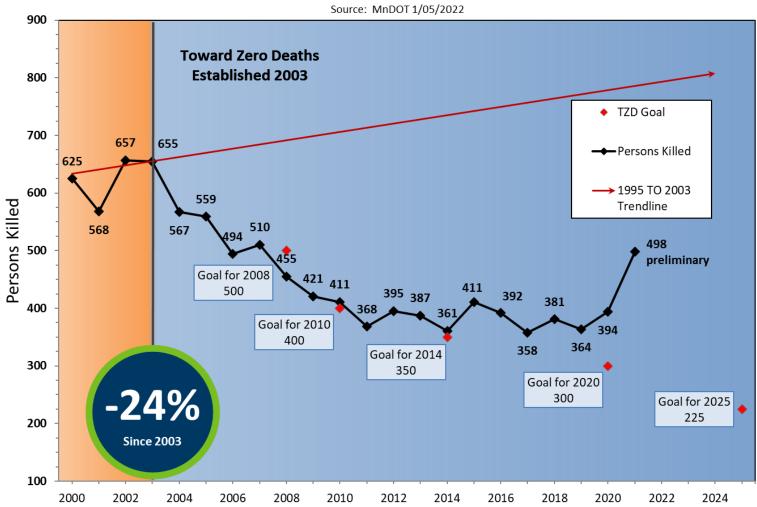
TZD History

- Program created in 2003 during a time of increasing traffic fatalities.
- Unique program that coordinated the traffic safety efforts of the Departments of Public Safety, Health and Transportation.
- Modeled after Sweden's Vision Zero Program, which began in 1997.





Minnesota Roadway Fatalities







Giving drivers the knowledge they need to avoid hazardous driving practices and choose responsible behavior.

Ensuring compliance with traffic laws to change driver behavior and reduce unsafe driving practices.

Engineering

Changing the roadway—including cable median barriers, signage, and the roadside—to make travel safer.

Emergency Medical & Trauma Services

Providing fast, efficient emergency medical and trauma services to reduce fatalities and serious injuries whenever a crash does occur.

Everyone

Advocating for zero deaths while adopting behaviors and changing culture to get there.



TZD 2.0: Building A Culture of Traffic Safety

True, Lasting Transformation of Traffic Safety Culture

A Social Ecological Approach

Using the environment to create lasting changes to beliefs and behavior

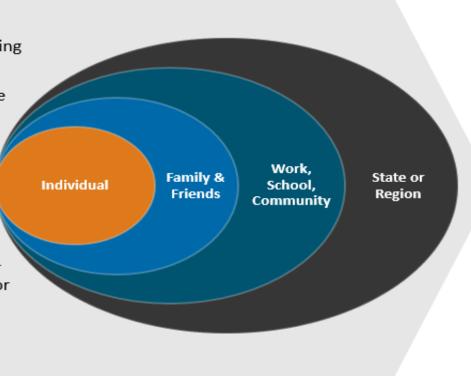
 Uses proven principles of Positive Community Norming

 Founded on the principle that the solutions exist

 Engages community and organizations to help drive individual behavior and beliefs

 Driven by hope from a strengthsbased orientation and concern for critical issue

 Part of MN Strategic Highway Safety Plan





TZD 2.0: Designing and Operating a Safe Transportation System

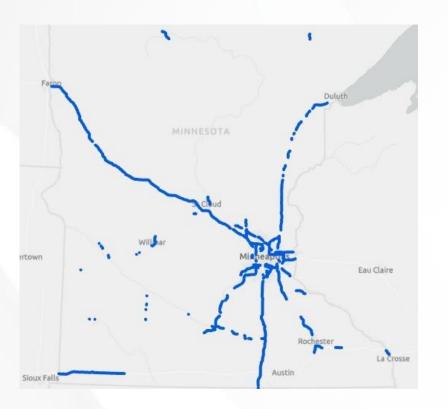
"Safety net" to protect people when mistakes happen/poor choices are made

Safe System Approach

Designs and operates traffic systems and structures to protect against human mistakes and injury tolerances and avoid death and serious injuries







High Tension Cable Median Barrier

95% Reduction in Fatal Head-on Crashes

2003: None

2014: More than

450 miles

2018: 705 miles





Roundabouts



- Removed Right Angle Crash potential (T-bone crashes)
- Reduced severe crashes by 80-90%
- Reduced pedestrian crashes by 60% when compared to other intersections









Reduced Crossing Intersection (RCI)



- Have shown an 69% reduction in death & serious injury crashes.
- Over 50 now installed in Minnesota



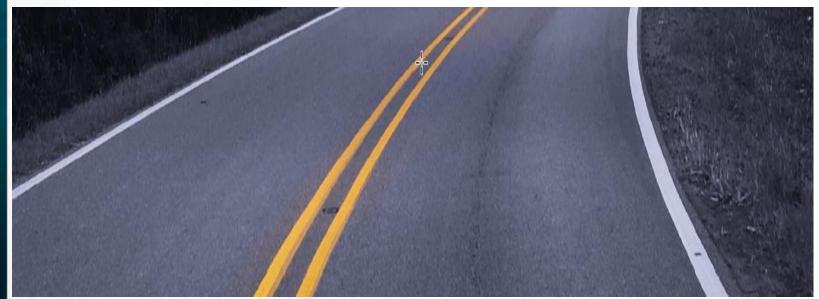






6" Edgelines

- Studies have shown 20-40% reduction in run off the road fatal/serious injury crashes
- All new edgelines placed on State roadways will be at least 6" beginning in 2022











Rumblestrips

- Studies have shown 13-51% reduction in fatal/serious injury crashes
- 2011: required on all rural projects
- 2017: Noise-reduced option developed













Intersection Constrictor

- Reduce rural high speed mainline intersection approach widths to 10' with centerline and edgeline sinusoidal rumblestripes
- Trial included 30 intersections installed in 2018









Red Strips on Stop Signs -2018

- Installed at more than 1,000 intersections statewide
- Focused on higher risk intersections connecting to highways









Yellow Tape on Back Plates of Signalized Intersections

- Installed at 100 locations statewide in 2019
- Research has shown about a 15% reduction in crashes





Delineator Posts 2018 & 2019



- Installed more than 1,300 miles of 1/10 mile delineator posts on multilane highways
- Used when no lighting is present







