

STRATEGIC HIGHWAY SAFETY PLAN

North Dakota Department of Transportation

Keith Magnusson – Deputy Director for Driver and Vehicle Services

Safe Ways

Great Ways

Promoting Economic Growth



Partners



- American Association of Motor Vehicle Administrators
- American Traffic Safety Services Association
- Association of Counties
- Burleigh County Sheriffs Office
- Cass County Sheriffs Office
- Fargo City Police
- Federal Motor Carrier Safety Administration
- Grand Forks City Police
- Local Technical Assistance Program
- Medical Community
- Metropolitan Planning Organizations
- Minot City Police
- National Highway Traffic Safety Administration
- ND Department of Transportation
- ND Game & Fish Department
- ND Highway Patrol
- ND Department of Health
 - Division of Emergency Medical Services
 - Division of Vital Records
- ND Human Services Department
- ND Peace Officers Association
- ND Traffic Operations Roundtable
- Operation Lifesaver
- Railroads
- Rural Transportation Safety & Security Center
- Safe Communities
- Safe Routes to School Coordinator
- Stark County Sheriffs Office
- Tribal Technical Assistance Program
- Altru Ambulance Service
- F-M Ambulance Service
- ND Association of Public-Safety Communications Officials APCO

PURPOSE

- **Identify key safety problems & needs**
- **Guide investment decisions to reduce highway fatalities and injuries**
- **Integrates the 4Es – Engineering, Education, Enforcement and Emergency Medical Services (EMS)**
- **Data driven to develop strategies and countermeasures**



NDDOT Director

**NDDOT Deputy
Directors**

SHSP Work Team

Marsha Lembke – Co-Chair	Jane Berger – Co-Chair
Mark Gaydos - NDDOT	Dawn Olson – NDDOT
Peggy Anderson - NDDOT	Mike Becker – NDDOT
Kelly Rodgers - NDPOA	Steve Busek - FHWA
Jeff Jensen – FMCSA	Tim Meyer - Div. of Emergency Medical Services

Engineering
Chair - Mark Gaydos
NDDOT Design

Education
Chair - Dawn Olson
NDDOT Office of Traffic
Safety

EMS
Chair - Tim Meyer
Div. of Emergency
Medical Services

Enforcement
Chair - Kelly Rodgers
Highway Patrol
(NDPOA)

REMOVING THE SILOS

Engineering Committee

- **Chair: Mark Gaydos** - NDDOT Design
 - Brad Pfeifer - NDDOT
 - Al Covlin (NDDOT Traffic Operations)
 - ND Traffic Operations Round Table
 - Rob Rayhorn (District Engineer)
 - Districts
 - Mike Kisse (Maintenance Division)
 - Paul Benning (Local Gov't,)
 - Metropolitan Planning Organizations
 - Association of Counties
 - Safe Routes to School
 - Bob Johnston (Planning, Rail Section)
 - Railroads
 - Gary Berreth - Rural Transportation Safety & Security Center
 - Terry Steinwand - Game and Fish
 - Chad Weatherman - ATSSA



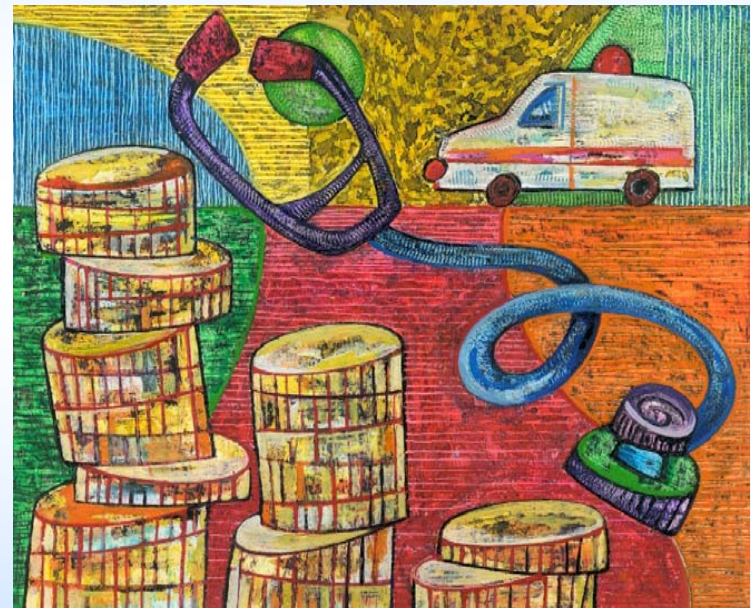
Education Committee

- **Chair: Dawn Olson** – NDDOT Office of Traffic Safety
 - Carol Thurn - Safe Communities
 - Tanya Wisnewski - Operation Lifesaver
 - AAMVA
 - Gina Espinosa-Salcedo - NHTSA
 - Dawn Mayer - Health Department
 - Prevention Resource Center -
 - Human Services
 - Don Andersen - LTAP
 - Dennis Trusty - TTAP



Emergency Medical Services Committee

- **Chair: Tim Meyer** - Div. of Emergency Medical Services
 - Darin Meschke – Vital Records
 - Nancy Capes – Altru Ambulance Service
 - Mike Hall – F-M Ambulance Service
 - Dean Lampe – ND EMS Association
 - Janelle Pepple – ND APCO



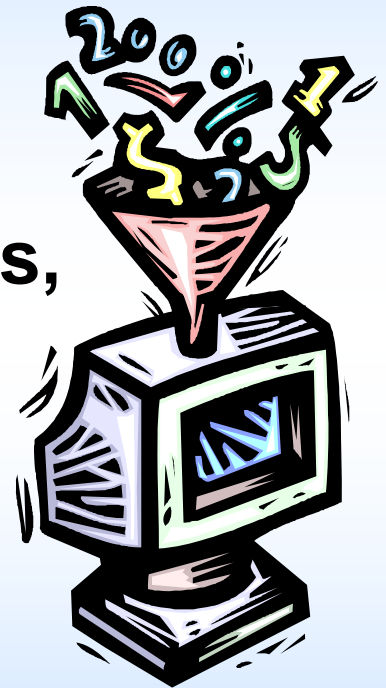
Enforcement Committee

- **Chair: Kelly Rodgers (NDPOA)**
 - Highway Patrol
 - Mark Bethke
 - Eldon Mehrer
 - Sheriffs
 - Les Witkowski – Burleigh Co.
 - Clarence Tuhy – Stark Co.
 - Mike Argall – Cass Co.
 - City Police
 - Mike Mitchell – Fargo
 - Keith Schroeder – Grand Forks
 - Margie Zietz – Minot
 - LeeAnn Jangula - FMCSA



Development

- **Gather Data**
- **Analyze Data**
- **Identify Key Emphasis Areas**
- **Identify Strategies, Countermeasures, and Performance Based Goals**
- **Determine Priorities for Implementation**
- **Develop Action Plans for Critical Strategies**
- **Compile SHSP Document**



EMPHASIS AREAS

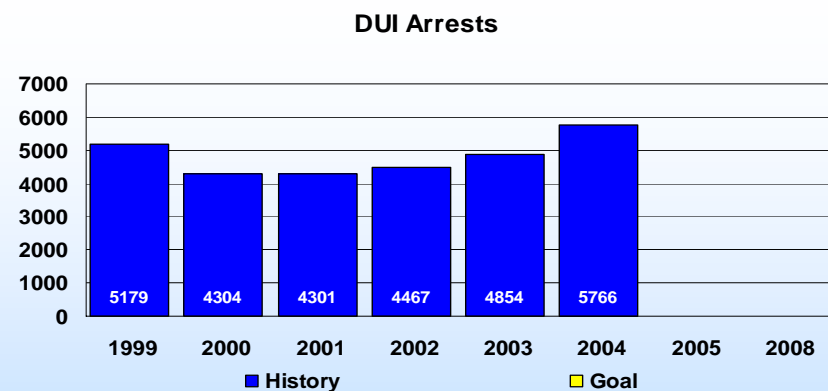
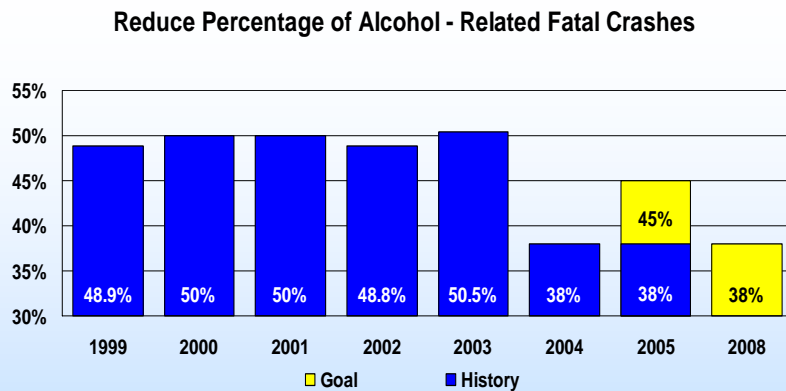
- 1. Reduce Alcohol Impaired Driving**
- 2. Increase the Use of Safety Restraints for all Occupants**
- 3. Younger Driver/Older Driver Safety**
- 4. Curb Aggressive Driving**
- 5. Improvements to Address Lane Departure Crashes**
- 6. Enhancing Emergency Medical Capabilities to Increase Survivability**
- 7. Improve Intersection Safety**



Reduce Alcohol Impaired Driving

Objective

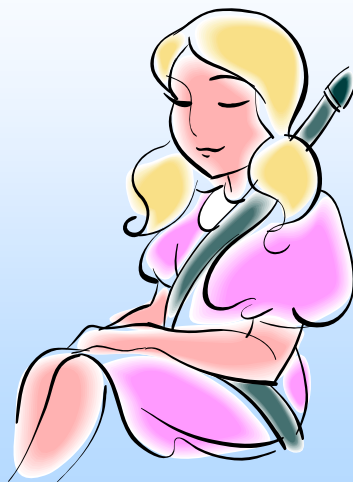
- Reduce the percentage of alcohol-related fatalities to 38% by 2008, and reduce the DUI arrests.



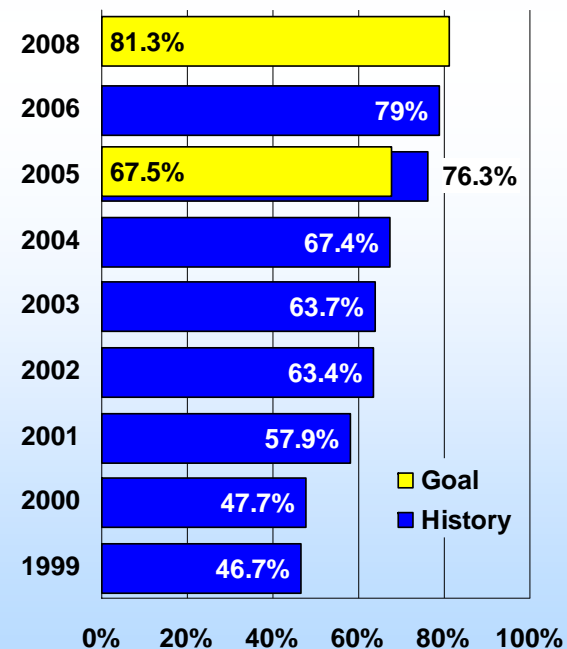
Increase the Use of Safety Restraints for all Occupants

Objective

- Increase statewide seatbelt usage to 81.3% by 2008.



Statewide Safety Belt Use



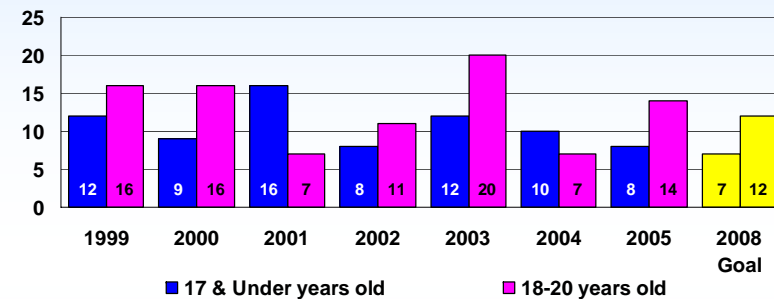
Younger Driver/Older Driver Safety

Objectives

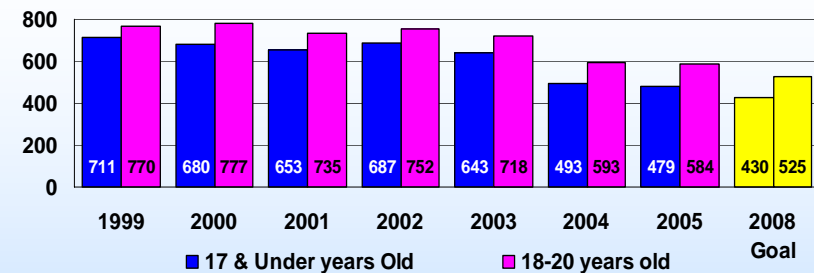
- Reduce the number of fatal and injury crashes involving under 20 year old drivers and 65+ year old drivers by 10% by 2008.



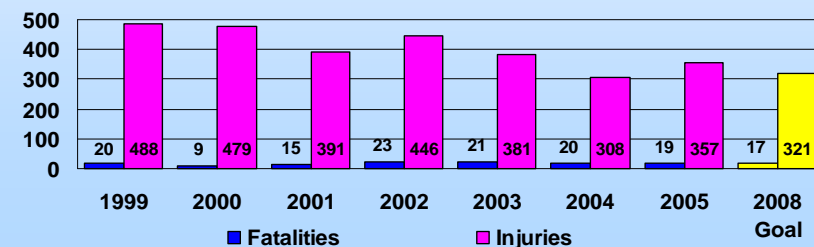
Under 20 Fatal Crashes



Under 20 Injury Crashes



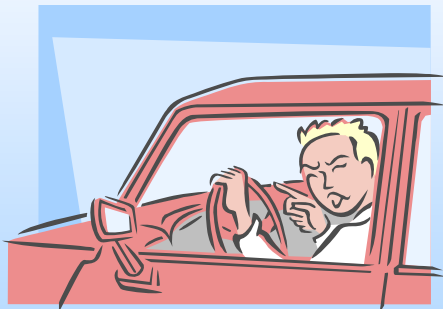
65+ Years Old



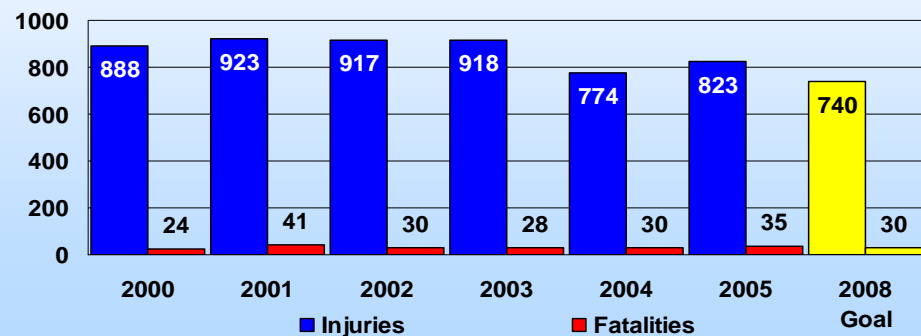
Curb Aggressive Driving

Objective

- Reduce the number of crashes with contributing factors of speeding and following too closely by 10% by 2008. Analyze crashes and work with law enforcement to determine what are the main factors related to aggressive driving and how can we best capture when it is contributing to crashes and if it is truly a significant area of concern in the state.



Crashes With Contributing Factor "Speed too Fast for Conditions" or "Following too Close"



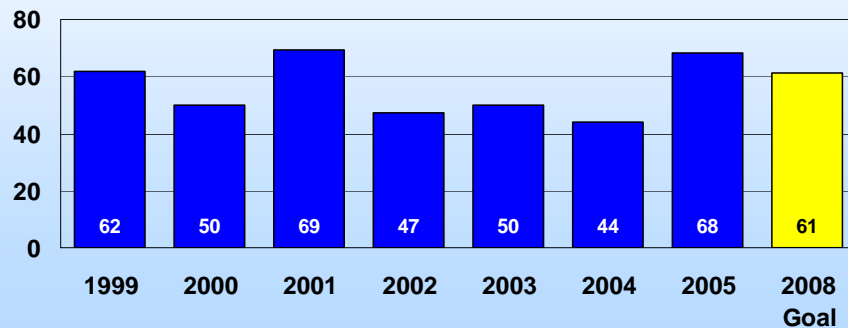
Improvements to Address Lane Departure Crashes

Objective

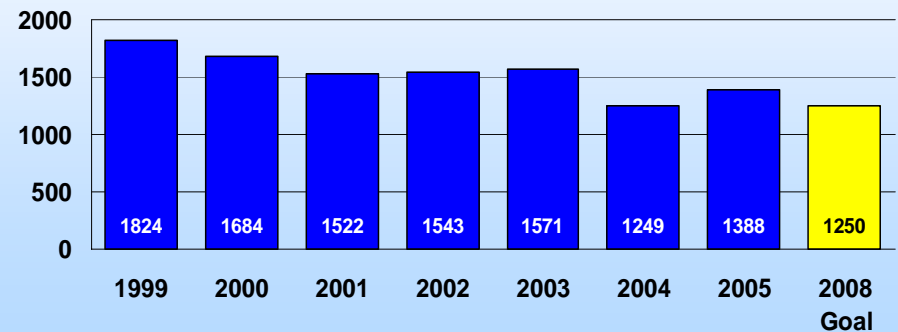
- Reduce the number of run off the road fatalities and injuries by 10% by 2008.



Lane Departure Fatal Crashes



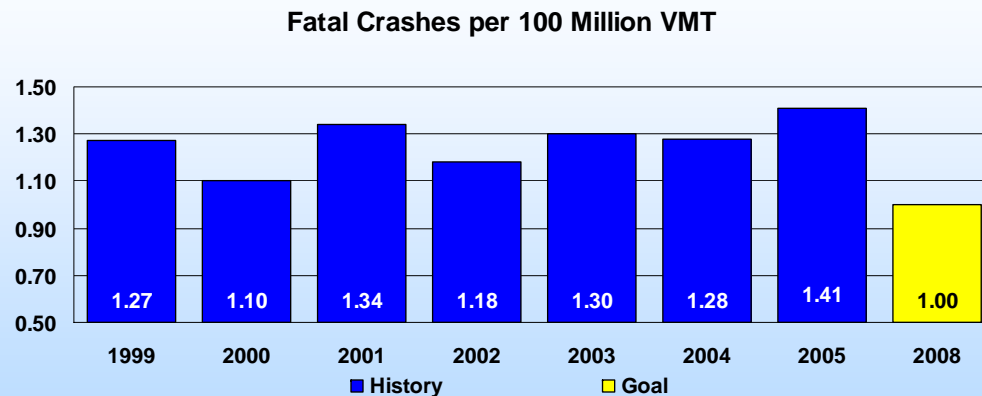
Lane Departure Injury Crashes



Enhancing Emergency Medical Capabilities to Increase Survivability

Objective

- Reduce the number of fatalities per 100 million VMT to 1.0 by 2008.

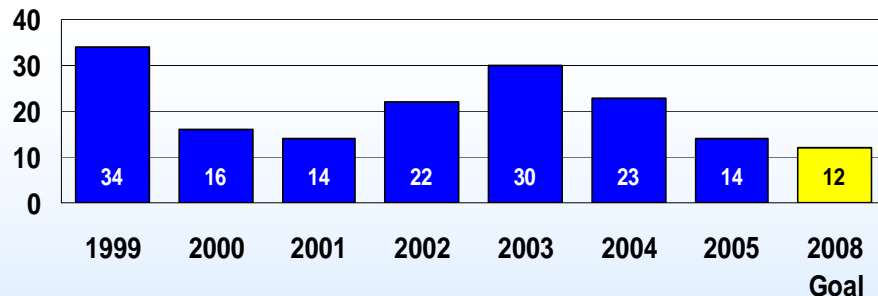


Improve Intersection Safety

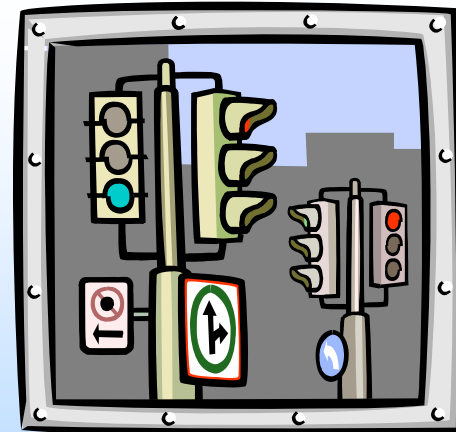
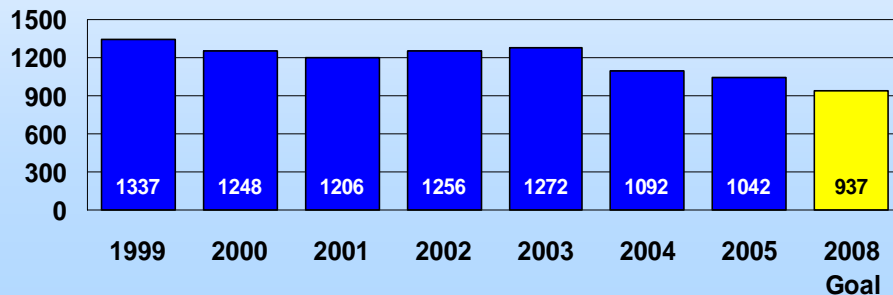
Objective

- Reduce the number of intersection fatalities and injuries by 10% by 2008.

Intersection Fatal Crashes



Intersection Injury Crashes



ASSOCIATED SAFETY PLANS & PROGRAMS

- **Traffic Records Strategic Plan**
- **Highway Safety Plan**
- **Highway Safety Improvement Program**
- **Traffic and Criminal Software (TraCS)**

Implementation

- >Serves as a framework for safety activities
- >Action Plans



Evaluation

- >Track performance measures
- >“Living document”

