

2011 Traffic Safety Summit

Traffic Crash Reporting Section

The keepers of crash data



US DOT
NHSTA
FMCSA



GTSAC

TRCC
Representatives from
MDOS, MSP, MDOT,
MDCH, JDW



CDUG
MSP, MDOT,
UMTRI, TIA,
WATS, SEMCOG
FMCSA, Lansing PD,
Troy PD



Who we are

- Section Manager
- Fatal Analysis Reporting System
 - Records and reports fatal crash information
- Analysts
 - Verify and locate every reported crash
 - Specialties (TCPS, TCPS, truck/bus)
- Data Queries
- Trainer

What we offer

- Training
 - Police departments
 - MDOT and road commission professionals
 - Free
 - Online training
- Information queries
 - Traffic improvements
 - Media
 - Public service announcements
- TCRS
- TCPS

Occupant Safety Regulations and Laws



Yearly Crash Totals

- 2010 281,775 reported crashes
- 2009 290,978 reported crashes
- 2008 316,057 reported crashes
- 2007 324,174 reported crashes
- 2006 315,322 reported crashes
- 2005 350,838 reported crashes

Crashes by Profession

(2009 Data)

- 2,183 emergency vehicle crashes
 - 590 people injured
 - 4 fatalities
- Crashes involved 609 construction/ maintenance vehicles
 - 847 people involved
 - K = 0
 - A = 5
 - B = 6
 - C = 30
 - O = 737
 - ? = 69

Information Flow



Unit Number	Driver License Number	Date of Birth	Sex	License Type	Sex
First Name	Mobile	Last	Position	Resident	Arbitrated/Residential
Street Address	Phone Number		Injury	Ejected	Citation Issued
City	State	Zip	Trapped	Airbag Deployed	
Unit Type	City	State	Zip	Vehicle Description (year, make, color)	
Interlock	Alcohol	Drugs	Vehicle Registration	State	VIN
Driver Condition	Test Type	Test Results	Vehicle Direction	Special Vehicles	
Location of Greatest Damage	First Impact	Extent of Vehicle Damage	Vehicle Type	Vehicle Use	Private Trailer Type
First Name	Mobile	Last	Date of Birth	Sex	Ejected
Street Address	Phone Number		Month	Day	Year
City	State	Zip	Pos.	Res.	Arbitrated/Residential
First Name	Mobile	Last	Date of Birth	Sex	Ejected
Street Address	Phone Number		Month	Day	Year
City	State	Zip	Pos.	Res.	Arbitrated/Residential
Name	Address	Phone Number	Age	Pos.	Res.
Name	Address	Phone Number	Age	Pos.	Res.

Forward Original To: ...
Do Not Write or Mark On This Side of the Line

Unit Reported on Front	Unit Reported Aboard	
Sequence of Events	Sequence of Events	
Carrier Name	Carrier Name	
Address	Address	
City	State	Zip
Carrier Source	GVMT	Vehicle Type
Driver's CDL Type	CDL Restrictions	
USDOF	CDL Exempt	
Medical Card		
Type & Axes Per Unit	Hazardous Material	
Cargo Body Type	Packed Cargo Spill (ID#)	
5278209	11/30/2003 0240	

Scale Drawing (0.5" = 1')

See scale drawing and AICS report

Drawn By: [Inspector Name] & Design # (Print Only)
 York Tpr. York, 1659; Tpr. Carlsson, 1026

Do Not Write or Mark On This Side of the Line

Information Sharing

Michigan Department of Transportation
CRASH SUMMARY REPORT
 Summary Produced from 1/1/2005 to 12/31/2008

Physical Road Name	Physical Reference Number	BMP	EMP	State Route Name	Direction	Ramp	County
US-24	4300001	20.202	21.000	US-24	N/S	NA	Monroe

Crash Type	Count	Rate	%age
Total	47	188.21	100
Miscellaneous 1 Vehicle	4	15.84	8.51
Overturn	1	3.96	2.13
Hit Train	0	0.00	0
Hit Parked Vehicle	0	0.00	0
Backing	0	0.00	0
Parking	0	0.00	0
Pedestrian	1	3.96	2.13
Fixed Object	7	27.73	14.88
Other Object	0	0.00	0
Animal	1	3.96	2.13
Bicycle	0	0.00	0
Head-On	0	0.00	0
Angle Straight	2	7.92	4.26
Rear-End Straight	18	83.39	34.04
Angle Turn	0	0.00	0
Side Swipe Same	5	19.81	10.64
Rear-End Left Turn	4	15.84	8.51
Rear-End Right Turn	0	0.00	0
Other Drive	0	0.00	0
Angle Drive	1	3.96	2.13
Rear-End Drive	5	19.81	10.64
Side-Swipe Opposite	0	0.00	0
Head-On Left-Turn	0	0.00	0
Dual Left Turn	0	0.00	0
Dual Right Turn	0	0.00	0
Miscellaneous Multiple Vehicle	0	0.00	0
Angle Right Turn	0	0.00	0

Crash Type	Rate	Count	%age
ICY	23.77	6	12.77
DARK	71.31	18	38.30
WET	43.58	11	23.40
FATAL	0.00	0	0.00
INJURY	83.20	21	44.68

Severity	Count	Rate
Fatalities:	0	0
Injuries A:	8	31.81
Injuries B:	7	27.86
Injuries C:	24	94.85
Injuries:	39	

Disclaimers: Crash information is conditioned upon your agreement to comply with the requirements of federal law. MDOT provides access to this information with the understanding that it will be used strictly for scientific research purposes and/or for governmental purposes by governmental units. MDOT authorizes no other use of this privileged information. MDOT does not waive any privilege based on this limited release of information.



Basic Premises of the UD-10

- Officers opinion
- At the time of crash
- One of many public safety duties

- Difference of perspectives

Recent Inquiries

- County Road Question
 - Injury code
- MDOT
 - Median crossing
- Special Vehicles

Areas of Special Interest

- Crash type
- Location
- Action prior/sequence of events

Traffic crashes are not taken for intentional acts.

- Road rage
- Suicide
- Ramming

**Sequence of Events/
Most Harmful Event**

Non-Collision

- 01 Loss of control
- 02 Cross centerline/median
- 03 Ran off roadway-left
- 04 Ran off roadway-right
- 05 Re-enter roadway
- 06 Overturn
- 07 Separation of units
- 08 Fire/explosion
- 09 Immersion
- 10 Jackknife
- 11 Downhill runaway
- 12 Cargo loss/shift
- 13 Individual fell from vehicle
- 14 Other noncollision

Had a Collision With

Non-Fixed Objects

- 15 Pedestrian
- 16 Bicyclist
- 17 Motor vehicle in transport*
- 18 Parked motor vehicle
- 19 Engineer (railroad/train)
- 20 Animal
- 21 Other non-fixed object

Fixed Objects

- 22 Bridge/pier/abutment
- 23 Bridge parapet end
- 24 Bridge rail
- 25 Guardrail face
- 26 Guardrail end
- 27 Median barrier
- 28 Highway traffic sign post
- 29 Highway signal post
- 30 Luminaire/light support
- 31 Utility pole
- 32 Other pole
- 33 Culvert
- 34 Curb
- 35 Ditch
- 36 Embankment
- 37 Fence
- 38 Mailbox
- 39 Tree
- 40 Railroad crossing signal
- 41 Building
- 42 Traffic island
- 43 Fire hydrant
- 44 Impact attenuator
- 45 Other fixed object

*In transport means a motor vehicle in motion or on a roadway.

NON-COLLISION ACCIDENTS

➤ Injury or damage involving a vehicle driving into water without overturning or collision.

A driver slows down to avoid a deer in the road. The vehicle hits the deer.

Action Prior	Sequence of Events			
	First	Second	Third	Fourth
01	08	37	20	
Most Harmful	(M)	(M)	●	(M)

08 = Slowing/stopping on roadway

37 = Avoiding animal

Action Prior: 37
SOE: 20

Question 21

A snowplow is plowing snow and runs through a stop sign, hitting a car. Should the driver information of the snowplow be recorded?

YES! – THIS IS NOW RECORDED ON THE DRIVER HISTORY AND RELEASED TO NON-GOVERNMENTAL UNITS IF THE DRIVER IS SHOWN TO BE AT FAULT.

Multiple Interpretations

- Truck/bus
 - Towed for disabling damage
 - Treated for injury away from crash site
- Roundabouts
- Helmet use
- Driver condition

Traffic Records Contacts

UD-10 Training:

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Traffic Crash Reporting

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