

UD-10 Traffic Crash Report User Guide

Revised 2018



MICHIGAN
STATE POLICE



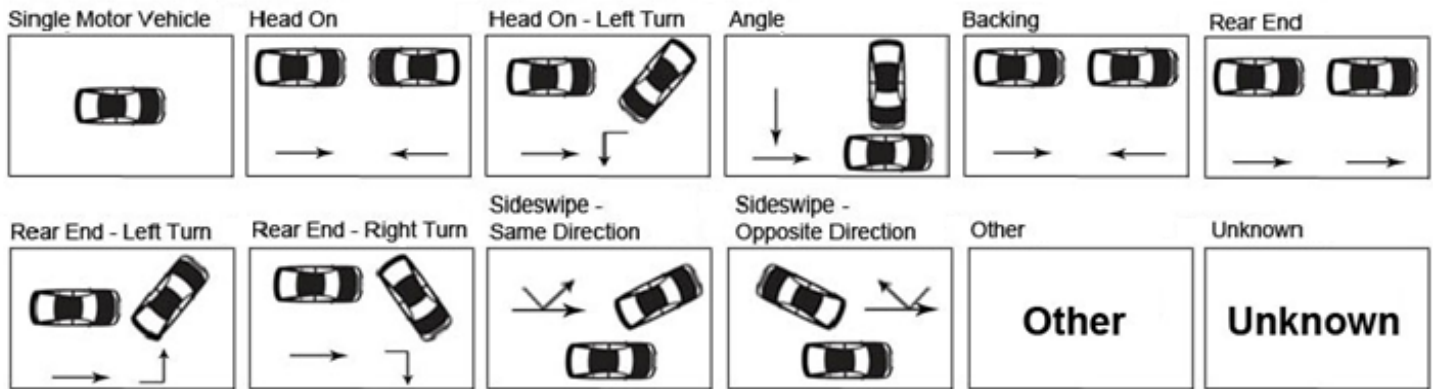
A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

Phone: 517-241-1699

Website: www.michigan.gov/crash

Email: CrashTCRS@michigan.gov

Crash Type (First Impact)



Animal

1. Deer
2. Turkey
3. Elk
4. Moose
5. Bear
97. Animal (Other)
98. Animal (Unknown)

Weather

1. Clear
2. Cloudy
3. Fog
4. Rain
5. Snow
6. Severe Crosswinds
7. Sleet / Hail
8. Blowing Snow
9. Blowing Sand, Soil, Dirt
10. Smoke
98. Unknown

Light

1. Daylight
2. Dawn
3. Dusk
4. Dark-Lighted
5. Dark-Unlighted
97. Other
98. Unknown

Road Surface Condition

1. Dry
2. Wet
3. Ice
4. Snow
5. Mud, Dirt, Gravel
6. Slush
7. Debris
8. Water (Standing / Moving)
9. Sand
10. Oily
97. Other
98. Unknown

Contributing Circumstances

1. Prior Crash
2. Backup Due to Regular Congestion
3. Backup Due to Other Incident
4. Glare
5. Traffic Control Device Inoperative, Missing or Obscured
6. Shoulders (None, Low, Soft, High)
96. None
97. Other
98. Unknown

Traffic Control

1. Signal
2. Stop Sign
3. Stop Sign with Flashing Beacon
4. Yield Sign
96. None

Area

- **Freeway**
 1. Entrance / Exit Ramp Related
 2. Authorized Median Crossover Related
 3. Transition Area / Increase or Decrease in Travel Lanes
 4. Rest Area Related
 5. Scale / Weigh Station Related
 20. Curved Roadway
 6. All Other Freeway Areas
- **Intersection**
 7. Within Intersection
 8. Driveway Related within 150 ft. of Nearest Edge of Intersection
 9. Intersection Related-Other
 21. Roundabout
- **Other Non-Freeway Areas**
 10. Straight Roadway Not Related to Other Selections
 11. Curved Roadway Not Related to Other Selections
 12. Driveway Related Not within 150 ft. of Intersection
 13. Parking Related Legal Roadside
 14. Transition Area / Increase or Decrease in Travel Lanes
 15. Median Crossing Related
 16. Railroad Crossing Related
 17. Rest Area Related
 18. Scale / Weigh Station Related
 19. Non-Traffic Area
 97. Other
 98. Unknown

Relation to Roadway

1. On the Road
2. Median
3. Shoulder
4. Outside of Shoulder / Curb
5. Gore
6. On-Street Parking
7. Off Roadway (Non-Traffic)
8. Sidewalk
9. Bicycle Lane
98. Unknown

Work Zone - Activity

1. Lane Closure
2. Lane Shift / Crossover
3. Work on Shoulder or Median
4. Intermittent or Moving Work
97. Other

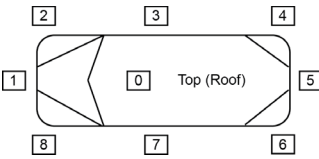
Work Zone - Location

1. Before the First Work Zone Warning Sign
2. Between the First and Last Work Zone Warning Sign
3. No Warning Signs

Trafficway

1. Not Physically Divided (Two-Way Traffic)
2. Divided Highway without Traffic Barrier
3. Divided Highway with Traffic Barrier
4. One-Way Traffic
5. Non-Traffic
6. Two-Way, Not Divided, with a Continuous Left Turn Lane

Unit Type	Restraint Use	Injury	Sequence of Events
MV Motor Vehicle B Bike P Pedestrian E Engineer (Train)	<ol style="list-style-type: none"> No Belts Available Shoulder Belt Only Used Lap Belt Only Shoulder and Lap Belt No Belts Used Child Restraint System – Forward Facing Child Restraint Not Used or Improperly Used Child Restraint System – Rear Facing Child Restraint System – Booster Seat Restraint Failure Restraint Use Unknown Helmet Worn Helmet Not Worn Helmet Use Unknown 	<p>K - Fatal Injury: Any injury which results in death</p> <p>A - Suspected Serious Injury: Any injury other than fatal which prevents normal activities and generally requires hospitalization</p> <p>B - Suspected Minor Injury: Any minor injury that is evident to others at the scene</p> <p>C - Possible Injury: Any possible injury that is reported or claimed</p> <p>O - No Injury: No indication of injury</p>	<p>► Non-Collision</p> <ol style="list-style-type: none"> Loss of Control Cross Centerline 46. Cross Median 3. Ran Off Roadway - Left 4. Ran Off Roadway - Right 5. Re-enter Roadway 6. Overturn 7. Separation of Units 8. Fire / Explosion 9. Immersion 10. Jackknife 11. Downhill Runaway 12. Cargo Loss / Shift 13. Individual Fell from Vehicle 47. Equipment Failure (Blown Tire, Brake Failure, Etc.) 14. Other Non-Collision
<p>Driver Distracted By</p> <ol style="list-style-type: none"> Not Distracted Manually Operating an Electronic Communications Device (Texting, Typing, Dialing) Talking on Hands-Free Electronic Device Talking on Hand-Held Electronic Device Other Activity, Electronic Device (Book Player, Navigation Aid) Passenger Other Activity Inside the Vehicle (Eating, Personal Hygiene) Outside the Vehicle (Includes Unspecified External Distractions) 98. Unknown 	<p>Hazardous Action</p> <ol style="list-style-type: none"> None Speed Too Fast Speed Too Slow Failed to Yield Disregard Traffic Control Drove Wrong Way Drove Left of Center Improper Passing Improper Lane Use Improper Turn Improper / No Signal Improper Backing Unable to Stop in Assured Clear Distance Other Unknown Reckless Driving Careless Driving 	<p>Action Prior to Crash</p> <p>► Driver Action</p> <ol style="list-style-type: none"> Going Straight Ahead Turning Left Turning Right Stopped on Roadway Involved in Prior Crash at Same Location Changing Lanes Backing Slowing / Stopping on Roadway Slowing / Stopping Other Area Starting Up on Roadway Starting Up in Other Area Entering Parking Leaving Parking Entering Roadway Leaving Roadway Making U-Turn Overtaking or Passing Avoiding Object Avoiding Pedestrian Avoiding Vehicle (Front / Back) Avoiding Vehicle (Angle) Driverless Moving Parked Other Unknown Avoiding Animal Negotiating a Curve <p>► Pedestrian Action</p> <ol style="list-style-type: none"> 24. Crossing at Intersection 25. Crossing Not at Intersection 26. Getting On / Off Vehicle 27. In Roadway with Traffic 28. In Roadway Against Traffic 29. Standing / Lying in Roadway 30. Pushing / Working on Vehicle 31. Other Working in Roadway 32. Playing in Roadway 33. In Roadway Other Reason 34. Not in Roadway 35. Other 36. Unknown 	<p>► Collision with Non-Fixed Object</p> <ol style="list-style-type: none"> Pedestrian Bicyclist 17. Motor Vehicle in Transport* 18. Parked Motor Vehicle 48. Work Zone / Maintenance Equipment 49. Cargo Falling / Shifting / or Anything Set in Motion (SIM) By a Motor Vehicle 19. Engineer (Railroad / Train) 20. Animal 21. Other Non-Fixed Object <p>► Collision with Fixed Object</p> <ol style="list-style-type: none"> 22. Bridge Pier / Support 24. Bridge Rail 50. Bridge Overhead Structure 25. Guardrail Face 26. Guardrail End 51. Cable Barrier 27. Concrete Barrier 28. Traffic Sign / Post 29. Traffic Signal Equipment 30. Utility Pole / Light Support 32. Other Post / Pole / Support 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 / Crash Cushion 45. Other Fixed Object
<p>Position</p> <p>B Bicyclist P Pedestrian E Engineer (Railroad / Train)</p>  <ol style="list-style-type: none"> Sleeper Section Other Enclosed Passenger / Cargo Area Other Unenclosed Passenger / Cargo Area Riding In / On Trailing Unit Riding On Vehicle Exterior 98. Unknown  <p>► Motorcycles, Snowmobiles, Etc. (In-Line Seating)</p> <ol style="list-style-type: none"> Driver 4. Passenger One 7. Passenger Two 15. Other Unenclosed Passenger / Cargo Area 	<p>Airbag</p> <ol style="list-style-type: none"> Deployed-Front Not Deployed Not Equipped Deployed-Side Deployed-Curtain Deployed-Other (Knee, Air Belt, Etc.) Deployed-Combination 98. Unknown 	<p>Condition at Time of Crash</p> <ol style="list-style-type: none"> Appeared Normal Sick Fatigued or Asleep Medication Physically Disabled Emotional Other Unknown 	<p>* In transport means a motor vehicle in motion or on a roadway.</p>







Location of Greatest Damage / First Impact	Vehicle Use	Special Vehicles	Extent of Damage
 <p>9. Undercarriage 10. Multiple 11. None 98. Unknown</p>	<ol style="list-style-type: none"> Private Commercial (Business) In Pursuit / On Emergency Farm School / Education Club / Church Military Other Government Utility Road Construction / Other Maintenance Other 	<ol style="list-style-type: none"> Police Fire Bus Ambulance Farm Equipment Construction / Maintenance Equipment Tow Truck / Wrecker 	<ol style="list-style-type: none"> No Damage Minor Damage Functional Damage Disabling Damage <p>98. Unknown</p>
Vehicle Type	Vehicle Direction	Vehicle Defects	Automation System Level in Vehicle
<ol style="list-style-type: none"> Passenger Car, SUV, Van Motor Home Pickup Truck Small Truck (Under 10,000 lbs) Motorcycle Moped / Goped Go-Cart / Golf Cart Snowmobile Off Road Vehicle (ATV Type) Other Truck / Bus 	<p>N North NE Northeast NW Northwest S South SE Southeast SW Southwest W West E East</p>	<ol style="list-style-type: none"> Brakes Lights Steering Tires / Rims Windows / Windshield Truck Coupling / Trailer Hitch / Safety Chains Other 	<ol style="list-style-type: none"> No Automation Driver Assistance Partial Automation Conditional Automation High Automation Full Automation Automation Level Unknown <p>98. Unknown</p>
		Private Trailer Type	Automation System Level Engaged at Time of Crash
		<ol style="list-style-type: none"> Utility Travel Trailer Boat Trailer Farm Equipment Towed Auto Recreational Double Other 	<ol style="list-style-type: none"> No Automation Driver Assistance Partial Automation Conditional Automation High Automation Full Automation Automation Level Unknown <p>98. Unknown</p>

While many of the vehicles on the road today are not automated, some levels of automation do exist on newer vehicles. Common Level 1 (Driver Assistance) systems include:

- Lane Keeping Assist
- Adaptive Cruise Control
- Parking Assist
- Automatic Emergency Braking

Note: Due to the fact that some drivers and police officers may not be able to identify if a vehicle even has an automation level, select **98-Unknown** at this time until further explanations are available.

SAE AUTOMATION LEVELS

					Full Automation	
						
0	1	2	3	4	5	
No Automation	Driver Assistance	Partial Automation	Conditional Automation	High Automation	Full Automation	
Zero autonomy; the driver performs all driving tasks.	Vehicle is controlled by the driver, but some driving assist features may be included in the vehicle design.	Vehicle has combined automated functions, like acceleration and steering, but the driver must remain engaged with the driving task and monitor the environment at all times.	Driver is a necessity, but is not required to monitor the environment. The driver must be ready to take control of the vehicle at all times with notice.	The vehicle is capable of performing all driving functions under certain conditions. The driver may have the option to control the vehicle.	The vehicle is capable of performing all driving functions under all conditions. The driver may have the option to control the vehicle.	

Truck and Bus Crashes Reportable to FMCSA

REPORT A TRAFFIC CRASH IF IT INVOLVES...

Any truck that has a gross vehicle weight rating (GVWR) of more than 10,000 pounds or a gross combination weight rating (GCWR) of more than 10,000 pounds used on public highways

OR

Any motor vehicle with seating to transport nine (9) or more people, including the driver's seat

OR

Any motor vehicle displaying a hazardous materials placard (regardless of weight)

...AND RESULTS IN

A fatality: any person(s) killed in or outside of any vehicle (truck, bus, car, etc.) involved in the crash or who dies within 30 days of the crash as a result of an injury sustained in the crash

OR

An injury: any person(s) injured as a result of the crash who immediately receives medical treatment away from the crash scene

OR

A tow-away: any motor vehicle (truck, bus, car, etc.) disabled as a result of the crash and transported away from the scene by a tow truck or other vehicle

Revised 06/05

Federal Motor Carrier
Safety Administration



U.S. Department of Transportation
www.fmcsa.dot.gov

Vehicle Configuration

1 Passenger Car (Only if Vehicle Has HM Placard) 	7 Truck/Trailer (Single-Unit Truck Pulling a Trailer)
2 Light Truck (Only if Vehicle Has HM Placard) 	8 Truck Tractor (Bobtail)
3 Bus (9-15 Seats, Including Driver) 	9 Tractor / Semi Trailer (One Trailer)
4 Bus (16 or More Seats, Including Driver) 	10 Truck Tractor / Double (Two Trailers)
5 Single-Unit (2 Axles, 6 Tires) 	11 Truck Tractor / Triple (Three Trailers)
6 Single-Unit (3 or More Axles) 	99 Unknown Heavy Truck > 10,000 lbs - Unclassified (Not Listed Above)

Cargo Body Type

1 Van / Enclosed Box 	6 Auto Transporter 	11 Log
2 Cargo Tank 	7 Garbage / Refuse 	12 Vehicle Towing Motor Vehicle
3 Flat Bed 	8 Grains, Chips, Gravel 	13 Bus (9-15 Seats, Including Driver)
4 Dump 	9 Pole 	14 Bus (16 or More Seats, Including Driver)
5 Concrete Mixer 	10 Intermodal Chassis 	15 No Cargo Body
		97 Other

CDL Endorsements

H. Hazardous P. Passenger
T. Double/Triple S. School Bus
N. Tank X. Tank and Hazardous

CDL-Class A

Any combination of vehicles with a GCWR of 26,001 pounds or more, provided the GVWR of any towed vehicles is 10,001 pounds or more.

CDL-Class B

Any single vehicle with a GVWR of 26,001 pounds or more, or any such vehicle towing a vehicle with a GVWR of 10,000 pounds or less.

CDL-Class C

Any single vehicle or combination of vehicles that do not meet the definition of Class A or Class B, but are designed to transport 16+ passengers including the driver, or is used to transport hazardous materials requiring a placard.