

UD-10 Traffic Crash Report User Guide

Revised 2021



MICHIGAN
STATE POLICE



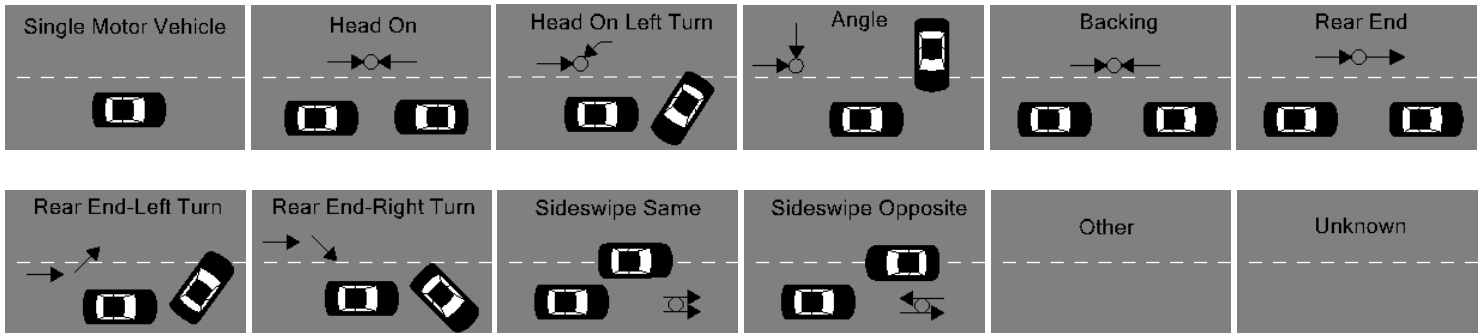
A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY

Phone: 517-241-1699

Website: www.michigan.gov/crash

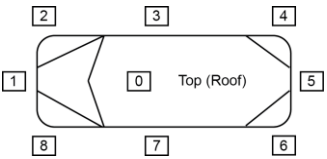
Email: CrashTCRS@michigan.gov

Crash Type



Animal	Road Surface Condition	Area	Work Zone - Activity
<ol style="list-style-type: none"> Deer Turkey Elk Moose Bear 97. Animal (Other) 98. Animal (Unknown) 	<ol style="list-style-type: none"> Dry Wet Ice Snow Mud, Dirt, Gravel Slush Debris Water (Standing / Moving) Sand 10. Oily 97. Other 98. Unknown 	<p>Freeway</p> <ol style="list-style-type: none"> Entrance / Exit Ramp Related Authorized Median Crossover Related Transition Area / Increase or Decrease in Travel Lanes Rest Area Related Scale / Weigh Station Related All Other Freeway Areas 20. Curved Roadway <p>Intersection</p> <ol style="list-style-type: none"> 7. Within Intersection 8. Driveway Related within 150 ft. of Nearest Edge of Intersection 9. Intersection Related-Other 21. Roundabout <p>Other Non-Freeway Areas</p> <ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> Lane Closure Lane Shift / Crossover Work on Shoulder or Median Intermittent or Moving Work 97. Other
Weather	Contributing Circumstances	Trafficway	Work Zone - Location
<ol style="list-style-type: none"> Clear Cloudy Fog Rain Snow 6. Severe Crosswinds Sleet / Hail Blowing Snow Blowing Sand, Soil, Dirt 10. Smoke 98. Unknown 	<ol style="list-style-type: none"> Prior Crash Backup Due to Regular Congestion Backup Due to Other Incident Glare Traffic Control Device Inoperative, Missing or Obscured Shoulders (None, Low, Soft, High) 96. None 97. Other 98. Unknown 	<p>Trafficway</p> <ol style="list-style-type: none"> Not Physically Divided (Two-Way Traffic) Divided Highway without Traffic Barrier Divided Highway with Traffic Barrier One-Way Traffic Non-Traffic Two-Way, Not Divided, with a Continuous Left Turn Lane 	<ol style="list-style-type: none"> Before the First Work Zone Warning Sign Between the First and Last Work Zone Warning Sign No Warning Signs
Light	Relation to Roadway	Unit Type	Race
<ol style="list-style-type: none"> Daylight Dawn Dusk Dark-Lighted Dark-Unlighted 97. Other 98. Unknown 	<ol style="list-style-type: none"> On the Road Median Shoulder Outside of Shoulder / Curb Gore On-Street Parking Off Roadway (Non-Traffic) Sidewalk Bicycle Lane 98. Unknown 	<p>Unit Type</p> <p>MV Motor Vehicle B Bike P Pedestrian E Engineer (Train)</p>	<p>Race</p> <p>I American Indian/Alaskan A Asian B Black/African American H Hispanic/Latino P Native Hawaiian/Other W White U Unknown</p>
Traffic Control			
<ol style="list-style-type: none"> Signal Stop Sign Stop Sign with Flashing Beacon Yield Sign 96. None 			







Driver Distracted By	Restraint Use	Injury	Sequence of Events
<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) Unknown 	<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 Ran Off Roadway - Left Ran Off Roadway - Right Re-enter Roadway Overturn Separation of Units Fire / Explosion Immersion Jackknife Downhill Runaway Cargo Loss / Shift Individual Fell from Vehicle Other Non-Collision Cross Median Equipment Failure (Blown Tire, Brake Failure, Etc.)
<p>Position</p>	<p>Hazardous Action</p>	<p>Action Prior to Crash</p>	<p>Collision with Non-Fixed Object</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 Unknown 	<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>Driver Action</p>	<ol style="list-style-type: none"> Pedestrian Bicyclist Motor Vehicle in Transport* Parked Motor Vehicle Engineer (Railroad / Train) Animal Other Non-Fixed Object Work Zone / Maintenance Equipment Cargo Falling / Shifting / or Anything Set in Motion (SIM) By a Motor Vehicle
<p>Motorcycles, Snowmobiles, Etc. (In-Line Seating)</p>	<p>Airbag</p>	<p>Pedestrian Action</p>	<p>* In transport means a motor vehicle in motion or on a roadway.</p>
 <ol style="list-style-type: none"> Driver Passenger One Passenger Two Other Unenclosed Passenger / Cargo Area 	<ol style="list-style-type: none"> Deployed-Front Not Deployed Not Equipped Deployed-Side Deployed-Curtain Deployed-Other (Knee, Air Belt, Etc.) Deployed-Combination Unknown 	<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>Collision with Fixed Object</p> <ol style="list-style-type: none"> Bridge Pier / Support Bridge Rail Guardrail Face Guardrail End Concrete Barrier Traffic Sign / Post Traffic Signal Equipment Utility Pole / Light Support Other Post / Pole / Support Culvert Curb Ditch Embankment Fence Mailbox Tree Railroad Crossing Signal Building Traffic Island Fire Hydrant Impact Attenuator / Crash Cushion Other Fixed Object Bridge Overhead Structure Cable Barrier
<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 	<ol style="list-style-type: none"> Crossing at Intersection Crossing Not at Intersection Getting On / Off Vehicle In Roadway with Traffic In Roadway Against Traffic Standing / Lying in Roadway Pushing / Working on Vehicle Other Working in Roadway Playing in Roadway In Roadway Other Reason Not in Roadway Other Unknown 	

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 98. Unknown 																
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 	<table border="0"> <tr><td>N</td><td>North</td></tr> <tr><td>NE</td><td>Northeast</td></tr> <tr><td>NW</td><td>Northwest</td></tr> <tr><td>S</td><td>South</td></tr> <tr><td>SE</td><td>Southeast</td></tr> <tr><td>SW</td><td>Southwest</td></tr> <tr><td>W</td><td>West</td></tr> <tr><td>E</td><td>East</td></tr> </table>	N	North	NE	Northeast	NW	Northwest	S	South	SE	Southeast	SW	Southwest	W	West	E	East	<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 98. Unknown
N	North																		
NE	Northeast																		
NW	Northwest																		
S	South																		
SE	Southeast																		
SW	Southwest																		
W	West																		
E	East																		
		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 98. Unknown 																

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 can include:

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

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 Axes, 6 Tires) 	11 Truck Tractor / Triple (Three Trailers)
6 Single-Unit (3 or More Axes) 	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.