

Driver/Vehicle Characteristics		
Initial Travel Direction (prior to coded Vehicle Action) 1 - North 2 - East 3 - South 4 - West 9 - Unknown	Vehicle Configuration 01 - Passenger car 02 - Four-tire light truck (pick-up, panel) 03 - Van or mini-van 04 - Sport utility vehicle 05 - Single-unit truck (2-axle, 6-tire) 06 - Single-unit truck (>= 3 axles) 07 - Truck/trailer 08 - Truck tractor (bobtail) 09 - Tractor/semi-trailer 10 - Tractor/doubles 11 - Tractor/triples 12 - Other heavy truck (cannot classify) 13 - Motor home/recreational vehicle 14 - Motorcycle 15 - Moped/All-Terrain Vehicle 16 - School bus (seats > 15) 17 - Small school bus (seats 9 - 15) 18 - Other bus (seats > 15) 19 - Other small bus (seats 9 - 15) 20 - Farm vehicle/equipment 21 - Maintenance/construction vehicle 22 - Train 88 - Other (explain in narrative) 99 - Unknown	Driver Condition 1 - Apparently normal 2 - Physical impairment 3 - Emotional (e.g., depressed, angry, disturbed) 4 - Illness 5 - Asleep, fainted, fatigued, etc. 6 - Under the influence of alcohol/drugs/medications 8 - Other (explain in narrative) 9 - Unknown
Vehicle Action 01 - Movement essentially straight 02 - Turning left 03 - Turning right 04 - Making U-turn 05 - Overtaking/passing 06 - Changing lanes 07 - Entering traffic lane (merging) 08 - Leaving traffic lane 09 - Backing 10 - Slowing/stopping 11 - Stopped for stop sign/signal 12 - Legally Parked 13 - Illegally Parked/Unattended 88 - Other (explain in narrative) 99 - Unknown	Vision Obscured 01 - Not obscured 02 - Trees/crops 03 - Buildings 04 - Embankment 05 - Sign/billboard 06 - Hillcrest 07 - Parked vehicles 08 - Moving vehicles 09 - Person/object in or on vehicle 10 - Blinded by sun or headlights 11 - Frosted windows/windshield 12 - Blowing snow 13 - Fog/smoke/dust 88 - Other (explain in narrative) 99 - Unknown	
Point of Initial Impact Most Damaged Area 	Cargo Body Type 01 - Not applicable <u>Truck Cargo Type:</u> 02 - Van/enclosed box 03 - Dump truck (grain, gravel) 04 - Cargo tank 05 - Flatbed 06 - Concrete mixer 07 - Auto transporter 08 - Garbage/refuse 09 - Other truck cargo type (explain in narrative) <u>Trailer type:</u> 10 - Small utility (one axle) 11 - Large utility (2+ axles) 12 - Boat 13 - Camper 14 - Large mobile home 15 - Oversize load 16 - Towed vehicle 17 - Pole 18 - Other trailer type (explain in narrative) 99 - Unknown	Contributing Circumstances, Driver (up to two) 01 - Ran traffic signal 02 - Ran stop sign 03 - Exceeded authorized speed 04 - Driving too fast for conditions 05 - Made improper turn 06 - Traveling wrong way or on wrong side of road 07 - Crossed centerline 08 - Lost Control 09 - Followed too close 10 - Swerved to avoid: vehicle, object, non-motorist, or animal in roadway 11 - Over correcting/over steering 12 - Operating vehicle in an erratic, reckless, careless, negligent, or aggressive manner <u>Failed to yield right-of-way:</u> 13 - From stop sign 14 - From yield sign 15 - Making left turn 16 - Making right turn on red signal 17 - From driveway 18 - From parked position 19 - To pedestrian 20 - At uncontrolled intersection 21 - Other (explain in narrative) <u>Inattentive/distracted by:</u> 22 - Passenger 23 - Use of phone or other device 24 - Fallen object 25 - Fatigued/asleep <u>Other (explain in narrative):</u> 26 - Vision obstructed 27 - Other improper action 28 - No improper action 99 - Unknown
Extent of Damage 1 - None 2 - Minor damage 3 - Functional damage 4 - Disabling damage 5 - Severe, vehicle totaled 9 - Unknown		
Underride/Override 1 - None 2 - Underride, compartment intrusion 3 - Underride, no compartment intrusion 4 - Underride, compartment intrusion unknown 5 - Override, moving vehicle 6 - Override, parked/stationary vehicle 9 - Unknown		
Traffic Controls 01 - No controls present 02 - Traffic signals 03 - Flashing traffic control signal 04 - Stop signs 05 - Yield signs 06 - No Passing Zone (marked) 07 - Warning sign 08 - School zone signs 09 - Railway crossing device 10 - Traffic director 11 - Workzone signs 88 - Other control (explain in narrative) 99 - Unknown		

Emergency Vehicles
Emergency Vehicle Type 1 - Not applicable 2 - Police 3 - Fire 4 - Ambulance 5 - Towing 6 - Military 7 - Maintenance 9 - Unknown
Emergency Status 1 - Yes, in emergency 2 - No, not in emergency 3 - Not Applicable 9 - Unknown
Hazardous Materials Released? (Cargo Only) 1 - Yes 2 - No 3 - Not applicable 9 - Unknown
Iowa Department of Transportation INVESTIGATING OFFICER'S REPORT OF MOTOR VEHICLE ACCIDENT CODE SHEET Form 433014 01-01
Work zone Related?
Location 1 - Before work zone warning sign 2 - Between advance warning sign and work area 3 - Within transition area for lane shift 4 - Within or adjacent to work activity 5 - Between end of work area and "End Work Zone" sign 8 - Other work zone area (explain in narrative) 9 - Unknown
Type 1 - Lane closure 2 - Lane shift/crossover (head-to-head traffic) 3 - Work on shoulder or median 4 - Intermittent or moving work 8 - Other type of work zone (explain in narrative) 9 - Unknown
Workers Present? 1 - Yes 2 - No 9 - Unknown

Accident Environment	Roadway Characteristics	Harmful Events	Injury/Protective Devices
Location of First Harmful Event 1 - On Roadway 2 - Shoulder 3 - Median 4 - Roadside 5 - Gore 6 - Outside trafficway 9 - Unknown	Contributing Circumstances, Environment 1 - None apparent 2 - Weather conditions 3 - Physical obstruction 4 - Pedestrian action 5 - Glare 6 - Animal in roadway 7 - Previous accident 8 - Other (explain in narrative) 9 - Unknown	Sequence of Events Most Harmful Event First Harmful Event <u>Pre-crash events:</u> 01 - Ran off road, right 02 - Ran off road, straight 03 - Ran off road, left 04 - Crossed centerline/median 05 - Animal or object in roadway 06 - Evasive action (swerve, panic braking, etc.) 07 - Downhill runaway 08 - Cargo/equipment loss or shift 09 - Equipment failure (tires, brakes, etc.) 10 - Separation of units <u>Non-collision events:</u> 11 - Overturn/rollover 12 - Jackknife 13 - Other non-collision (explain in narrative) <u>Collision with:</u> 20 - Non-motorist (see non-motorist type) 21 - Vehicle in traffic 22 - Vehicle in/from other roadway 23 - Parked motor vehicle 24 - Railway vehicle/train 25 - Animal 26 - Other non-fixed object (explain in narrative) <u>Collision with fixed object:</u> 30 - Bridge/bridge rail/overpass 31 - Underpass/structure support 32 - Culvert 33 - Ditch/embankment 34 - Curb/island/raised median 35 - Guardrail 36 - Concrete barrier (median or right side) 37 - Tree 38 - Poles (utility, light, etc.) 39 - Sign post 40 - Mailbox 41 - Impact attenuator 42 - Other fixed object (explain in narrative) <u>Misc. events:</u> 50 - Fire/explosion 51 - Immersion 52 - Hit and run 99 - Unknown	Injury Status 1 - Fatal 2 - Incapacitating 3 - Non-incapacitating 4 - Possible 5 - Uninjured 9 - Unknown
Manner of Crash/Collision 1 - Non-collision 2 - Head-on 3 - Rear-end 4 - Angle, oncoming left turn 5 - Broadside 6 - Sideswipe, same direction 7 - Sideswipe, opposite direction 9 - Unknown	Contributing Circumstances, Roadway 01 - None apparent 02 - Road surface condition 03 - Debris 04 - Ruts, holes, bumps 05 - Work Zone (construction, maintenance, utility) 06 - Worn, travel-polished surface 07 - Obstruction in roadway 08 - Traffic control device inoperative, missing, obscured 09 - Shoulders (none, low, soft, high) 10 - Non-highway work 11 - Non-contact vehicle 99 - Unknown	Occupant Protection 1 - None used 2 - Shoulder and lap belt used 3 - Lap belt only used 4 - Shoulder belt only used 5 - Child safety seat used 6 - Helmet used 8 - Other (explain in narrative) 9 - Unknown	Airbag Deployment 1 - Deployed front of person 2 - Deployed side of person 3 - Deployed both front/side 4 - Other deployment (explain in narrative) 5 - Not deployed 6 - Not applicable 9 - Unknown
Light Conditions 1 - Daylight 2 - Dusk 3 - Dawn 4 - Dark, roadway lighted 5 - Dark, roadway not lighted 6 - Dark, unknown roadway lighting 9 - Unknown	Type of Roadway Junction/Feature <u>Non-intersection:</u> 01 - No special feature 02 - Bridge/overpass/underpass 03 - Railroad crossing 04 - Business drive 05 - Farm/residential drive 06 - Alley intersection 07 - Crossover in median 08 - Other non-intersection (explain in narrative) <u>Intersection:</u> 11 - Four-way intersection 12 - T - intersection 13 - Y - intersection 14 - Five-leg or more 15 - Offset four-way intersection 16 - Intersection with ramp 17 - On-ramp merge area 18 - Off-ramp diverge area 19 - On-ramp 20 - Off-ramp 21 - With bike/pedestrian path 22 - Other intersection (explain in narrative) 99 - Unknown	Airbag Switch Status 1 - Switch in ON position 2 - Switch in OFF position 3 - No ON/OFF switch present 9 - Unknown	Ejection 1 - Not ejected 2 - Partially ejected 3 - Totally ejected 4 - Not applicable (motorcycle, bicycle, etc.) 9 - Unknown
Weather Conditions (up to two) 01 - Clear 02 - Partly cloudy 03 - Cloudy 04 - Fog, smoke 05 - Mist 06 - Rain 07 - Sleet, hail, freezing rain 08 - Snow 09 - Severe winds 10 - Blowing sand, soil, dirt, snow 88 - Other (explain in narrative) 99 - Unknown		Ejection Path 1 - Not ejected/not applicable 2 - Through front windshield 3 - Through side window/door 4 - Through roof 5 - Through back window/tailgate 9 - Unknown	Trapped 1 - Not trapped 2 - Freed by non-mechanical means 3 - Extricated by mechanical means 9 - Unknown
Surface Conditions 1 - Dry 2 - Wet 3 - Ice 4 - Snow 5 - Slush 6 - Sand, mud, dirt, oil, gravel 7 - Water (standing, moving) 8 - Other (explain in narrative) 9 - Unknown			

Non-Motorist			
Type 1 - Pedestrian 2 - Pedalcyclist (bicycle, tricycle, unicycle, pedal car) 3 - Skater 8 - Other (explain in narrative) 9 - Unknown	Action 1 - Entering or crossing roadway 2 - Walking, running, jogging, playing, cycling 3 - Working 4 - Pushing vehicle 5 - Approaching or leaving vehicle 6 - Playing or working on vehicle 7 - Standing 8 - Other (explain in narrative) 9 - Unknown	Condition 1 - Apparently normal 2 - Physical impairment 3 - Emotional (e.g., depressed, angry, disturbed) 4 - Illness 5 - Asleep, fainted, fatigued, etc. 6 - Under the influence of alcohol/drugs/medications 8 - Other (explain in narrative) 9 - Unknown	Contributing Circumstances 01 - Improper crossing 02 - Darting 03 - Lying or sitting in roadway 04 - Failure to yield right of way 05 - Not visible (dark clothing) 06 - Inattentive (talking, eating, etc.) 07 - Failure to obey traffic signs, signals, or officer 08 - Wrong side of road 88 - Other (explain in narrative) 99 - Unknown
Location (prior to impact) 1 - Marked crosswalk at intersection 2 - At intersection, no crosswalk 3 - Non-intersection crosswalk 4 - Driveway access crosswalk 8 - Other non-intersection (explain in narrative) 9 - Unknown	Safety Equipment 1 - Helmet 2 - Reflective clothing 3 - Lighting	4 - None 8 - Other (explain in narrative) 9 - Unknown	