|  |  |  |  |
| --- | --- | --- | --- |
| **Data element** | **Columns** | **Column size** | **Definition** |
| **Collision level data elements** | | | |
| C\_YEAR | 1 – 4 | 4 | Year |
| C\_MNTH | 5 – 6 | 2 | Month |
| C\_WDAY | 7 | 1 | Day of week |
| C\_HOUR | 8 – 9 | 2 | Collision hour |
| C\_VEHS | 11 – 12 | 2 | Number of vehicles involved in collision |
| C\_CONF | 13 – 14 | 2 | Collision configuration |
| C\_RCFG | 15 – 16 | 2 | Roadway configuration |
| C\_WTHR | 17 | 1 | Weather condition |
| C\_RSUR | 18 | 1 | Road surface |
| C\_RALN | 19 | 1 | Road alignment |
| C\_TRAF | 20 – 21 | 2 | Traffic control |
| **Vehicle level data elements** | | | |
| V\_TYPE | 24 – 25 | 2 | Vehicle type |
| V\_YEAR | 26 – 29 | 4 | Vehicle model year |
| **Person level data elements** | | | |
| P\_SEX | 32 | 1 | Person sex |
| P\_AGE | 33 – 34 | 2 | Person age |
| P\_PSN | 35 – 36 | 2 | Person position |
| P\_ISEV | 37 | 1 | Medical treatment required |
| P\_SAFE | 38 – 39 | 2 | Safety device used |
| P\_USER | 40 | 1 | Road user class |

**Possible values and their meaning for each variable**

**C\_YEAR**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 19yy-20yy | yy = last two digits of the calendar year. (e.g. 90, 91, 92) |

**C\_MNTH**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 01 | January |
| 02 | February |
| 03 | March |
| 04 | April |
| 05 | May |
| 06 | June |
| 07 | July |
| 08 | August |
| 09 | September |
| 10 | October |
| 11 | November |
| 12 | December |

**C\_WDAY**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Monday |
| 2 | Tuesday |
| 3 | Wednesday |
| 4 | Thursday |
| 5 | Friday |
| 6 | Saturday |
| 7 | Sunday |

**C\_HOUR**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 00 | Midnight to 0:59 |
| 01 | 1:00 to 1:59 |
| 02 | 2:00 to 2:59 |
| 03 | 3:00 to 3:59 |
| 04 | 4:00 to 4:59 |
| 05 | 5:00 to 5:59 |
| 06 | 6:00 to 6:59 |
| 07 | 7:00 to 7:59 |
| 08 | 8:00 to 8:59 |
| 09 | 9:00 to 9:59 |
| 10 | 10:00 to 10:59 |
| 11 | 11:00 to 11:59 |
| 12 | 12:00 to 12:59 |
| 13 | 13:00 to 13:59 |
| 14 | 14:00 to 14:59 |
| 15 | 15:00 to 15:59 |
| 16 | 16:00 to 16:59 |
| 17 | 17:00 to 17:59 |
| 18 | 18:00 to 18:59 |
| 19 | 19:00 to 19:59 |
| 20 | 20:00 to 20:59 |
| 21 | 21:00 to 21:59 |
| 22 | 22:00 to 22:59 |
| 23 | 23:00 to 23:59 |

**C\_VEHS**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 01 - 98 | 01 - 98 vehicles involved. |
| 99 | 99 or more vehicles involved. |

**C\_CONF**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
|  |  | |
| Single Vehicle in Motion: | | |
| 01 | Hit a moving object | E.g. a person or an animal |
| 02 | Hit a stationary object | E.g. a tree |
| 03 | Ran off left shoulder | Including rollover in the left ditch |
| 04 | Ran off right shoulder | Including rollover in the right ditch |
| 05 | Rollover on roadway | |
| 06 | Any other single vehicle collision configuration | |
|  |  | |
| Two Vehicles in Motion - Same Direction of Travel: | | |
| 21 | Rear-end collision | |
| 22 | Side swipe | |
| 23 | One vehicle passing to the left of the other, or left turn conflict | |
| 24 | One vehicle passing to the right of the other, or right turn conflict | |
| 25 | Any other two vehicle - same direction of travel configuration | |
|  | | |
| Two Vehicles in Motion - Different Direction of Travel: | | |
| 31 | Head-on collision | |
| 32 | Approaching side-swipe | |
| 33 | Left turn across opposing traffic | |
| 34 | Right turn, including turning conflicts | |
| 35 | Right angle collision | |
| 36 | Any other two-vehicle - different direction of travel configuration | |
|  | | |
| Two Vehicles - Hit a Parked Motor Vehicle: | | |
| 41 | Hit a parked motor vehicle | |
|  |  | |
| 51 | Choice is other than the preceding values | |

**C\_RCFG**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 01 | Non-intersection | e.g. 'mid-block' |
| 02 | At an intersection of at least two public roadways | |
| 03 | Intersection with parking lot entrance/exit, private driveway or laneway | |
| 04 | Railroad level crossing | |
| 05 | Bridge, overpass, viaduct | |
| 06 | Tunnel or underpass | |
| 07 | Passing or climbing lane | |
| 08 | Ramp | |
| 09 | Traffic circle | |
| 10 | Express lane of a freeway system | |
| 11 | Collector lane of a freeway system | |
| 12 | Transfer lane of a freeway system | |
| 13 | Choice is other than the preceding values | |

**C\_WTHR**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Clear and sunny |
| 2 | Overcast, cloudy but no precipitation |
| 3 | Raining |
| 4 | Snowing, not including drifting snow |
| 5 | Freezing rain, sleet, hail |
| 6 | Visibility limitation e.g. drifting snow, fog, smog, dust, smoke, mist |
| 7 | Strong wind |
| 8 | Choice is other than the preceding values |

**C\_RSUR**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 1 | Dry, normal | |
| 2 | Wet | |
| 3 | Snow (fresh, loose snow) | |
| 4 | Slush ,wet snow | |
| 5 | Icy | Includes packed snow |
| 6 | Sand/gravel/dirt | Refers to the debris on the road, not the material used to construct the road |
| 7 | Muddy | |
| 8 | Oil | Includes spilled liquid or road application. |
| 9 | Flooded | |
| 10 | Choice is other than the preceding values | |

**C\_RALN**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 1 | Straight and level | |
| 2 | Straight with gradient | |
| 3 | Curved and level | |
| 4 | Curved with gradient | |
| 5 | Top of hill or gradient | |
| 6 | Bottom of hill or gradient | "Sag" |
| 7 | Choice is other than the preceding values | |

**C\_TRAF**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 01 | Traffic signals fully operational | |
| 02 | Traffic signals in flashing mode | |
| 03 | Stop sign | |
| 04 | Yield sign | |
| 05 | Warning sign | Yellow diamond shape sign |
| 06 | Pedestrian crosswalk |  |
| 07 | Police officer |  |
| 08 | School guard, flagman |  |
| 09 | School crossing | |
| 10 | Reduced speed zone | |
| 11 | No passing zone sign | |
| 12 | Markings on the road | e.g. no passing |
| 13 | School bus stopped with school bus signal lights flashing | |
| 14 | School bus stopped with school bus signal lights not flashing | |
| 15 | Railway crossing with signals, or signals and gates | |
| 16 | Railway crossing with signs only | |
| 17 | Control device not specified | |
| 18 | No control present | |
| 19 | Choice is other than the preceding values | |

**V\_TYPE**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 01 | Light Duty Vehicle (Passenger car, Passenger van, Light utility vehicles and light duty pick up trucks) | |
| 05 | Panel/cargo van <= 4536 KG GVWR | Panel or window type of van designed primarily for carrying goods. |
| 06 | Other trucks and vans <= 4536 KG GVWR | Unspecified, or any other types of LTVs that do not fit into the above categories(e.g.. delivery or service vehicles, chip wagons, small tow trucks etc.) |
| 07 | Unit trucks > 4536 KG GVWR | All heavy unit trucks, with or without a trailer |
| 08 | Road tractor | With or without a semi-trailer |
| 09 | School bus | Standard large type |
| 10 | Smaller school bus | Smaller type, seats < 25 passengers |
| 11 | Urban and Intercity Bus |  |
| 14 | Motorcycle and moped | Motorcycle and limited-speed motorcycle |
| 16 | Off road vehicles | Off road motorcycles (e.g. dirt bikes) and all terrain vehicles |
| 17 | Bicycle |  |
| 18 | Purpose-built motorhome | Exclude pickup campers |
| 19 | Farm equipment |  |
| 20 | Construction equipment |  |
| 21 | Fire engine |  |
| 22 | Snowmobile |  |
| 23 | Street car |  |
| 24 | Data element is not applicable | e.g. "dummy" vehicle record created for the pedestrian |
| 25 | Choice is other than the preceding values | |

**V\_YEAR**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 19yy-20yy | Model Year 19YY to 20YY where 00<= YY <= Current Year + 1 | |
| MinYear -1 | Data element is not applicable | e.g. "dummy" vehicle record created for the pedestrian |

**P\_SEX**

|  |  |
| --- | --- |
| **Code** | **Description** |
| F | Female |
| M | Male |

**P\_AGE**

|  |  |
| --- | --- |
| **Code** | **Description** |
| 00 | Less than 1 Year old |
| 01 – 98 | 1 to 98 Years old |
| 99 | 99 Years or older |

**P\_PSN**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 11 | Driver | |
| 12 | Front row, center | |
| 13 | Front row, right outboard, including motorcycle passenger in sidecar | |
| 21 | Second row, left outboard, including motorcycle passenger | |
| 22 | Second row, center | |
| 23 | Second row, right outboard | |
| 31 | Third row, left outboard | |
| 32 | Third row, center | |
| 33 | Third row, right outboard | |
| etc. |  | |
| 96 | Position unknown, but the person was definitely an occupant | |
| 97 | Sitting on someone’s lap | |
| 98 | Outside passenger compartment | e.g. riding in the back of a pick-up truck |
| 99 | Pedestrian |  |
| 100 | Choice is other than the preceding value | |

**P\_ISEV**

|  |  |  |
| --- | --- | --- |
| **Code** | **Description** | |
| 1 | No Injury | |
| 2 | Injury |  |
| 3 | Fatality | Died immediately or within the time limit. |

**P\_SAFE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Description** | | |
| 01 | No safety device used or No child restraint used | | |
| 02 | Safety device used or child restraint used | | |
| 09 | Helmet worn | | For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders |
| 10 | Reflective clothing worn | For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders and pedestrians | |
| 11 | Both helmet and reflective clothing used | For motorcyclists, bicyclists, snowmobilers, all-terrain vehicle riders and pedestrians | |
| 12 | Other safety device used | | |
| 13 | No safety device equipped | e.g. buses | |
| 16 | Data element is not applicable | e.g. “dummy" person record created for parked cars | |
| 15 | Choice is other than the preceding values | | |

P\_USER

|  |  |
| --- | --- |
| **Code** | **Description** |
| 1 | Motor Vehicle Driver |
| 2 | Motor Vehicle Passenger |
| 3 | Pedestrian |
| 4 | Bicyclist |
| 5 | Motorcyclist |