| **FIELD Name** | **Data Formats** | **DESCRIPTIONS** |
| --- | --- | --- |
| ***SECTION 1: KEY FIELDS and RECORD IDENTIFIERS*** |
| Crash ID  | primary key, int, not null | Key field. The unique identifier for a given crash. |
| Record Type | char(1), not null | Indicates the data table: 1 = CRASH, 2 = VHCL (i.e, "vehicle"), 3 = PARTIC (i.e., "participant") |
| Vehicle ID  | primary key, int, not null | Key Field. The unique identifier for a given vehicle. **Always blank on CRASH table.** |
| Participant ID  | primary key, int, not null | Key Field. The unique identifier for a given participant. **Always blank on CRASH table.** |
| Participant Display Seq. #  | tinyint, not null | Sequence of participants in a given crash, overall. **Only occurs on PARTIC table.**   |
| Vehicle Coded Seq. #  | tinyint, not null | Sequential number assigned to each vehicle in the crash. **Always blank on CRASH table.** Occurs on the VHCL table, and is represented as the “Participant Vehicle Sequence Number” on the PARTIC table. |
| Participant Vehicle Seq. #  | tinyint, not null | **Only occurs on PARTIC Table.**  Indicates sequence of participants within a given vehicle. For non-occupants, indicates overall sequence of non-occupants struck. |
| ***SECTION 2: CRASH RECORDS*** |
| Crash Serial # | char(5), not null | DMV Serial Number assigned to the crash. Unique within a given county and year. |
| Crash Month | char(2), not null | May be concatenated with other date fields after import, and converted to "Date" format. |
| Crash Day | char(2), not null | " " |
| Crash Year | char(4), not null | " " |
| Week Day Code | char(1), null | Ordinal ranking of crash day within a typical 7-day cycle. |
| Crash Hour | char(2), not null |  |
| County Code | char(2), not null | 2-character code assigned sequenctially to alphabetic list of Oregon Counties |
| City Section ID | integer, null | Identifier for Oregon Cities, and Portland Sections; see Code Manual for list |
| Urban Area Code | tinyint, null | Federal Aid Urban Transportation Boundary |
| Functional Class Code | char(2), not null |  |
| NHS Flag  | bit, not null | May be imported as Yes/No field |
| Highway Number  | char(3), null | Internal ODOT index number. Refer to Code Manual for cross-reference with posted route shields. |
| Highway Suffix  | char(2), null | Not in use yet; will correspond to TransInfo connection identifier |
| Roadway Number | char(1), null | Coded for highways only. |
| Highway Component  | char(1), null | Coded for highways only. |
| Mileage Type | char(1), null |  |
| Connection Number  | char(1), null |  |
| Linear Reference System (LRS)  | varchar(30), null | Currently available for highways only. Defines highway segment |
| Latitude Degrees  | integer, null |  |
| Latitude Minutes  | integer, null |  |
| Latitude Seconds | decimal(9,7), null |  |
| Longitude Degrees  | integer, null |  |
| Longitude Minutes  | integer, null |  |
| Longitude Seconds  | decimal(9,7), null |  |
| Latitude Decimal Degrees | decimal(18,15) null | New for 2019 coding. May eventually replace the Degrees/Minutes/Seconds version |
| Longitude Decimal Degrees | decimal(18,15) null | New for 2019 coding. May eventually replace the Degrees/Minutes/Seconds version |
| Special Jurisdiction  | char(2), null | For recreational road coding |
| Jurisdiction Group  | char(2), not null | For recreational road coding |
| Street Number | char(7), null | Field length is 5 for City Streets; up to 7 for County Roads. Not coded for rural highways. |
| Nearest Intersecting Street Number | char(7), null | Field length is 5 for City Streets; up to 7 for County Roads. Not coded for rural highways. |
| Intersection Sequence Number | small int, null | Coded for intersectional crashes only. Default is ‘1’; otherwise, sequential for pairs of streets that intersect multiple times. |
| Distance From Intersection | integer, null | Code represents “feet” for city streets; “milepoint hundredths” for non-milepointed county roads (Multnomah, Washington). Not coded for crashes on milepointed county roads & highways. |
| Direction From Intersection | char(1), not null | Compass direction; not coded for crashes on milepointed county roads & highways.  |
| Milepoint | decimal(5,2), null | 5 digits include 2 decimal places; negative symbol and decimal point included |
| Posted Speed Limit  | char(2), null |  |
| Road Character | char(1), not null |  |
| Off-Roadway Flag  | bit, not null | May be imported as Yes/No field |
| Intersection Type  | char(1), null |  |
| Intersection-Related Flag  | bit, not null | Crash occurred outside of, but related to activity at, intersection. May be imported as Yes/No field |
| Roundabout Flag | bit, not null | Indicates this location occurs at a roundabout. May be imported as Yes/No field |
| Driveway Related Flag  | bit, not null | May be imported as Yes/No field |
| Number of Lanes | tinyint, null |  |
| Number of Turning Legs | integer, null |  |
| Median Type  | char(1), null |  |
| Impact Location | char(2), not null | Code method differs depending on road jurisdiction. Refer to Code Manual. |
| Crash Type  | char(1), not null |  |
| Collision Type  | char(1), not null |  |
| Crash Severity  | char(1), not null | 2 = fatal, 4 = injury, 5 = PDO |
| Weather Condition | char(1), not null |  |
| Road Surface Condition | char(1), not null |  |
| Light Condition | char(1), not null |  |
| Traffic Control Device (TCD)  | char(3), not null |  |
| TCD Functional Flag | bit, not null | Default = ‘1’ (Yes). May be imported as Yes/No field |
| Investigating Agency | char(1), null |  |
| Crash Level Event 1 Code | char(3), null | Up to 3 “events” can be coded for each crash, vehicle & participant. |
| Crash Level Event 2 Code | char(3), null | " " |
| Crash Level Event 3 Code  | char(3), null | " " |
| Crash Level Cause 1 Code | char(2), null | Up to 3 “causes” can be coded for each crash, vehicle & participant. |
| Crash Level Cause 2 Code | char(2), null | " " |
| Crash Level Cause 3 Code | char(2), null | " " |
| School Zone Indicator  | char(1), null |  |
| Work Zone Indicator  | char(1), null |  |
| Secondary Crash Indicator | char(1), null | New as of 2019. Refer to 2019 code manual for description. |
| Alcohol-Involved Flag  | bit, not null | Indicates whether or not an active participant had been drinking. May be imported as Yes/No field |
| Drugs Involved Flag  | bit, not null | Indicates whether or not an active participant had been using drugs. May be imported as Yes/No field |
| Crash Marijuana Involved Flag  | bit, null | New as of 2016. Indicates whether or not an active participant was impaired by marijuana (blood test or DRE/ARIDE evaluation confirmed the presence of THC) at the time of the crash. May be imported as Yes/No field |
| Crash Level Speed Involved Flag | bit, not null | Indicates at least one vehicle in this crash was driving too fast for conditions or exceeding the posted speed. May be imported as Yes/No field |
| Crash Level Hit & Run Flag | bit, not null | Indicates at least one vehicle or active participant in this crash fled the scene. May be imported as Yes/No field |
| Population Range Code | char(1), null |  |
| Road Control | char(1), null |  |
| Route Type  | char(2), null | Indicates type of route (Interstate, US, Oregon) |
| Route Number | char(1), null | Indicates route number |
| Region ID | char(1), null | ODOT Region Number |
| District ID | char(3), null | ODOT District Number |
| Segment Marker ID | varchar(30), null | Segment identifier for OR-Trans road network  |
| Segment Point LRS Measure | float, null | The value in feet along a segment; used with Segment Marker ID |
| Unlocatable Flag | bit, not null | Indicates crash can not be geocoded on OR-Trans road network, due to lack of information on crash report or unavailable linework |
| Total Vehicle Count | integer, not null | Number of vehicles involved in the crash. |
| Total Fatality Count | integer, not null | Number of people killed as a result of the crash. |
| Total Serious Injury (Inj-A) Count | integer, not null | Number of people who suffered serious injuries in the crash. Excludes fatalities. |
| Total Moderate Injury (Inj-B) Count | integer, not null | Number of people who suffered moderate injuries in the crash.  |
| Total Minor Injury (Inj-C) Count | integer, not null | Number of people who suffered minor injuries in the crash. |
| Total Non-Fatal Injury Count | integer, not null | Total number of people suffered a non-fatal injury in the crash. |
| Total Count of Un-Injured Children Age 00-04 | integer, not null | Number of children age 0 – 4 involved in the crash who were un-injured. |
| Total Count of Un-Injured Persons | integer, not null | Number of all persons involved in the crash who were un-injured. Un-injured Non-drivers (including children over age 4) are counted in this field, but no record is created for them on the PARTIC table.  |
| Total Pedestrian Count | integer, not null | Number of pedestrians involved in the crash. |
| Total Pedestrian Fatality Count | integer, not null | Number of pedestrians killed as a result of the crash. |
| Total Pedestrian Non-Fatal Injury Count | integer, not null | Number of pedestrians who suffered non-fatal injuries as a result of the crash. |
| Total Pedalcyclist Count | integer, not null | Number of pedal-cyclists (bicyclists, tricyclists, etc.) involved in the crash. |
| Total Pedalcyclist Fatality Count | integer, not null | Number of pedal-cyclists killed as a result of the crash. |
| Total Pedalcyclist Non-Fatal Injury Count | integer, not null | Number of pedal-cyclists who suffered non-fatal injuries as a result of the crash. |
| Total Unknown Non-Motorist Count | integer, not null | Number of other or unknown type non-motorists involved in the crash. |
| Total Unknown Non-Motorist Fatality Count | integer, not null | Number of other/unknown type non-motorists killed as a result of the crash. |
| Total Unknown Non-Motorist Injury Count | integer, not null | Number of other/unknown type non-motorists suffered non-fatal injuries as a result of the crash. |
| Total Vehicle Occupant Count | integer, not null | Number of Motor Vehicle Occupants involved in the crash. |
| Total Count of Persons Involved | integer, not null | Total number of persons involved in the crash, including un-injured persons for whom no record is created on the PARTIC table. |
| Total Quantity of Persons Using Safety Equipment  | integer, not null | Number of vehicle occupants who were properly using safety equipment. |
| Total Quantity of Persons Not Using Safety Equipment | integer, not null | Number of vehicle occupants who were not properly using safety equipment or were not using safety equipment at all. |
| Total Quantity of Persons Safety Equipment "Use Unknown" | integer, not null | Number of vehicle occupants whose’s use of safety equipment is unknown.  |
| ***SECTION 3: VEHICLE RECORDS*** |
| Vehicle Ownership Code  | Foreign Key, char(1), not null |  |
| Vehicle Special Use Code | char(1), not null |  |
| Vehicle Type Code | Foreign Key, char(2), not null |  |
| Emergency Use Flag  | bit, not null | Indicates whether or not this vehicle was in emergency use at the time of the crash. May be imported as Yes/No field |
| Number of Trailers | tinyint, null | Code representing the number of trailers or whether the vehicle was trailering. |
| Vehicle Movement Code  | char(1), not null |  |
| Vehicle Travel Dir. From  | char(1), not null |  |
| Vehicle Travel Dir. To  | char(1), not null |  |
| Vehicle Action Code | char(3), null | Activity associated with this vehicle prior to or during the crash. |
| Vehicle Cause 1 Code | char(2), null | Up to 3 “causes” can be coded per vehicle.  |
| Vehicle Cause 2 Code | char(2), null | " " |
| Vehicle Cause 3 Code | char(2), null | " " |
| Vehicle Event 1 Code | char(3), null | Up to 3 “events” can be coded per vehicle. |
| Vehicle Event 2 Code | char(3), null | " " |
| Vehicle Event 3 Code | char(3), null | " " |
| Vehicle Speed Flag | bit, not null | Indicates this vehicle was exceeding the posted speed limit. May be imported as Yes/No field |
| Vehicle Hit & Run Flag | bit, not null | Indicates that this vehicle left the scene of the crash. May be imported as Yes/No field |
| Safety Equipment Used Quantity | tinyint, not null | Count of all persons in this vehicle who used safety equipment |
| Safety Equipment Un-used Quantity | tinyint, not null | Count of all persons in this vehicle for whom no safety equipment was used  |
| Safety Equipment Use Unknown Quantity | tinyint, not null | Count of all persons in this vehicle for whom safety equipment use is not known |
| Vehcle Occupant Count | tinyint, not null | Count of all occupants in this vehicle |
| Vehicle Striking Flag | bit, not null | When '1', indicates this vehicle is the "striker" (made first contact). Does not infer fault. |
| ***SECTION 4: PARTICIPANT RECORDS*** |
| Participant Type Code  | Foreign Key, char(1), not null |  |
| Participant Hit & Run Flag | bit, not null | Indicates that this person left the scene of the crash. May be imported as Yes/No field |
| Public Employee Flag  | bit, not null | Indicates this person was working as a public employee at the time of the crash. |
| Sex | char(1), not null |  |
| Age | char(2), not null |  |
| Driver License Status  | char(1), null | Coded only for drivers. |
| Driver Residence  | char(1), null | Coded only for drivers. |
| Injury Severity  | char(1), not null | This participant’s injury severity. |
| Participant Safety Equipment Use Code | char(1), null |  |
| Airbag Deployment | char(1), null | Indicates whether or not an airbag was available and/or deployed. Not available prior to 2002 |
| Non-Motorist Movement Code | char(1), null | Coded only for non-motorists. |
| Non-Motorist Travel Direction From | char(1), null | Coded only for non-motorists. |
| Non-Motorist Travel Direction To | char(1), null | Coded only for non-motorists. |
| Non-Motorist Location  | char(2), null | Coded only for non-motorists. Location in relation to the roadway. |
| Participant Action  | char(3), null | Activity associated with this participant prior to or during the crash. |
| Participant Error 1 Code | char(3), null | Up to 3 “errors” may be coded per participant. |
| Participant Error 2 Code | char(3), null | " " |
| Participant Error 3 Code  | char(3), null | " " |
| Participant Cause 1 Code | char(2), null | Up to 3 “causes” may be coded per participant. |
| Participant Cause 2 Code | char(2), null | " " |
| Participant Cause 3 Code | char(2), null | " " |
| Participant Event 1 Code | char(3), null | Up to 3 “events” may be coded per participant. |
| Participant Event 2 Code | char(3), null | " " |
| Participant Event 3 Code  | char(3), null | " " |
| BAC Test Results Code  | char(2), null | Blood Alcohol Content value, or code (see Code Manual). |
| Alcohol Use Reported  | char(1), null | Indicates whether or not this participant had been drinking, if info is available. |
| Drug Use Reported  | char(1), null | Indicates whether or not this participant had been using drugs, if info is available. |
| Participant Marijuana Use Reported | Foreign Key, char(1), null | Indicates whether or not this participant was impaired by THC, or if use of cannabis was suspected, if info is available. |
| Participant Striker Flag  | bit, not null | When '1', indicates this vehicle is the "striker" (made first contact). Can apply to non-motorists. Does not infer fault. |