**NYSDOT ACCIDENT DATA FILES**

Information pertaining to a highway accident can be found in three related files. One file provides event information such as location, date, time, weather, and severity to list just a few items. The second file provides vehicle information with one record for each vehicle, pedestrian or bicyclist involved in the accident. The third file provides contributing factor information with two factors (records) for each vehicle, pedestrian or bicyclist involved in the accident. There are two contributing factor records related to each vehicle record based on DMV case year (case\_yr), DMV case number (case\_num), and vehicle sequence (veh\_seq\_num). Each accident event record can have from zero (none) to many vehicle records related to it based on DMV case year (case\_yr), and DMV case number (case\_num).

Accidents are classified as either reportable or non-reportable. All accidents involving either a death, personal injury or if the reported property damage to any single motor vehicle meets a threshold of at least one thousand dollars will be considered a reportable accident. Reportable accidents always have event, vehicle and contributing factor information. Non-reportable accidents usually have only a limited amount of event information coded by DMV. The only event information captured by DMV for a typical non-reportable accident is location (reference marker and intersection number) and date. There usually is no vehicle or contributing factor data for non-reportable accidents. However, vehicle and contributing factor records can exist for non-reportable accidents, but all the data fields will contain code values of not entered or not available.

Each accident (event) is represented by a single accident record. The amount of information available in each record depends on whether the accident is classified as reportable or non-reportable.

The accident event data file structure, field definitions, and code values are as follows:

| **FIELD** | **TYPE** | **WIDTH** | **POSITION** | **DEFINITION** | **CODE VALUES** |
| --- | --- | --- | --- | --- | --- |
| CASE\_NUM | Character | 9 |  | Case number assigned by DMV. | Integer values. |
| CASE\_YR | Number |  |  | Year of accident | Integer values. |
| REF\_MRKR | Character | 12 |  | NYSDOT reference marker closest to where the accident occurred. | The full reference marker legend. |
| ACCD\_DTE | Date/Timer |  |  | Date of the accident in the format: 05-JAN-1991. | Valid calendar dates. |
| ROAD\_SYS | Character | 2 |  | Code assigned by DMV.  All valid codes found in accident data after August 31, 2001. Prior to this date all codes except 10 found in the accident file. | 01 - STATE  02 - COUNTY  03 - TOWN  04 - MUNICIPALITY STREET  05 - PARKWAY  06 - THRUWAY  07 - NORTHWAY  08 - LIMITED ACCESS  09 - UNKNOWN  10 - PARKING LOT, OTHER NON-TRAFFIC  11 - INTERSTATE  12 – CITY STREET  13 - VILLAGE STREET  14 - PRIVATE ROAD  15 - OFF ROAD  ?? - INVALID CODE |
| Num\_Of\_Fatalities | Numeric |  |  | Number of persons killed in the accident. | Integer value 1 THROUGH 999. |
| Num\_Of\_Injuries | Numeric |  |  | Number of persons injured in the accident. | Integer value 001 THROUGH 999. |
| REPORTABLE | Character | 1 |  | Indicates if accident is fully coded or only partially coded. | Y - Yes the accident is fully coded.  N - No only part of the data fields are entered. |
| POLICE\_DEPT | Character | 5 |  | Unique code which identifies each police agency. | Valid codes are available from DMV. |
| INTERSECT\_NUM | Character | 2 |  | Intersection number assigned to an accident, which distinguishes between multiple intersections at the same reference marker. | Integer value. |
| MUNI | Character | 2 |  | Municipality code. | Valid Municipality codes. |
| PRECINCT | Character | 4 |  | Unique code which identifies a New York City Precinct. | Valid codes are available from DMV. |
| NUM\_OF\_VEH | Numeric |  |  | Number of vehicles involved in the accident. Equals the number of records that would be in the vehicle data set for the accident. | Integer value. |
| ACCD\_TYP | Character | 2 |  | Accident type code which describes what a vehicle collided with. Multi vehicle accidents always coded “01". Single vehicle accidents use codes “02" through “40". | 01 - COLLISION WITH MOTOR VEHICLE  02 - COLLISION WITH PEDESTRIAN  03 - COLLISION WITH BICYCLIST  04 - COLLISION WITH ANIMAL  05 - COLLISION WITH RAILROAD TRAIN  06 - COLLISION WITH IN-LINE SKATER  07 - COLLISION WITH DEER  08 COLLISION WITH OTHER PEDESTRIAN  10 - COLLISION WITH OTHER  11 - COLLISION. W/LIGHT SUPPORT/UTILITY  POLE  12 - COLLISION WITH GUIDE RAIL  13 - COLLISION WITH CRASH CUSHION  14 - COLLISION WITH SIGN POST  15 - COLLISION WITH TREE  16 - COLLISION WITH BUILDING/WALL  17 - COLLISION WITH CURBING  18 - COLLISION WITH FENCE  19 - COLLISION WITH BRIDGE STRUCTURE  20 - COLLISION WITH CULVERT/HEAD WALL  21 - COLLISION WITH MEDIAN/BARRIER  22 - COLLISION WITH SNOW EMBANKMENT  23 - COLLISION. W/EARTH ELEMENT./ROCK CUT/DITCH  24 - COLLISION WITH FIRE HYDRANT  25 - COLLISION WITH GUIDERAIL END  26 - COLLISION WITH MEDIAN BARRIER END  27 - COLLISION WITH OTHER BARRIER  30 - COLLISION WITH OTHER FIXED OBJECT  31 - OVERTURNED  32 - FIRE/EXPLOSION  33 - SUBMERSION  34 - RAN OFF ROAD ONLY  40 - OTHER NON-COLLISION  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| LOCN | Character | 1 |  | Location where the first event of the accident occurred. | Y - FIRST EVENT OCCURRED ON ROAD  N - FIRST EVENT OCCURRED OFF ROAD  ? - INVALID CODE  X - NOT REPORTED |
| TRAF\_CNTL | Character | 2 |  | Traffic control present at the accident location. | 01 - NONE  02 - TRAFFIC SIGNAL  03 - STOP SIGN  04 - FLASHING LIGHT  05 - YIELD SIGN  06 - OFFICER/FLAGMAN/GUARD  07 - NO PASSING ZONE  08 - RR CROSSING SIGN  09 - RR CROSSING FLASH LIGHT  10 - RR CROSSING GATES  11 - STOPPED SCHOOL BUS  W/RED LIGHT FLASH  12 - HIGHWAY WORK AREA (CONSTRUCTION)  13 - MAINTENANCE WORK AREA  14 - UTILITY WORK AREA  15 - POLICE/FIRE EMERGENCY  16 - SCHOOL ZONE  20 - OTHER  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| LIGHT\_COND | Character | 1 |  | Light condition at the time of the accident. Data element only found on the police accident report. | 1 - DAYLIGHT  2 - DAWN  3 - DUSK  4 - DARK-ROAD LIGHTED  5 - DARK-ROAD UNLIGHTED  ? - INVALID CODE  X - NOT ENTERED  Z - NOT REPORTED |
| WEATHER | Character | 1 |  | Weather condition at the time of the accident. | 0 - OTHER  1 - CLEAR  2 - CLOUDY  3 - RAIN  4 - SNOW  5 - SLEET/HAIL/FREEZING RAIN  6 - FOG/SMOG/SMOKE  ? - INVALID CODE  X - NOT ENTERED  Z - NOT REPORTED |
| ROAD\_CHAR | Character | 1 |  | Code value which describes the road character at the location of the accident. Based on the police officers observation/interpretation. | 1 - STRAIGHT AND LEVEL  2 - STRAIGHT/GRADE  3 - STRAIGHT AT HILLCREST  4 - CURVE AND LEVEL  5 - CURVE AND GRADE  6 - CURVE AND HILLCREST  ? - INVALID CODE  X - NOT ENTERED  Y - NOT APPLICABLE  Z - UNKNOWN |
| ROAD\_SURF\_COND | Character | 1 |  | Road surface condition at the time of the accident. | 0 - OTHER  1 - DRY  2 - WET  3 - MUDDY  4 - SNOW/ICE  5 - SLUSH  6 - FLOODED WATER  ? - INVALID CODE  X - NOT ENTERED  Y - NOT APPLICABLE  Z - UNKNOWN |
| COLLISION\_TYP | Character | 2 |  | Type of collision encountered when the accident involves multiple vehicles. | 01 - REAR END  02 - OVERTAKING  03 - LEFT TURN (AGAINST OTHER CAR)  04 - RIGHT ANGLE  05 - RIGHT TURN (AGAINST OTHER CAR)  06 - RIGHT TURN (WITH OTHER CAR)  07 - HEAD ON  08 - SIDESWIPE  09 - OTHER  10 - LEFT TURN (WITH OTHER CAR)  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| PED\_LOC | Character | 1 |  | Code which describes the location of a pedestrian when involved in an accident. | 1 - PEDESTRIAN AT INTERSECTION  2 - PEDESTRIAN NOT AT INTERSECTION  ? - INVALID CODE  X - NOT ENTERED  Y - NOT APPLICABLE  Z - UNKNOWN |
| PED\_ACTN | Character | 2 |  | Describes the pedestrian action prior to being involved in the accident. | 01 - CROSSING WITH SIGNAL  02 - CROSSING AGAINST SIGNAL  03 - CROSSING, NO SIGNAL,  MARKED CROSSWALK  04 - CROSSING, NO SIGNAL OR CROSSWALK  05 - ALONG HIGHWAY WITH TRAFFIC  06 - ALONG HIGHWAY AGAINST TRAFFIC  07 - EMERGE FROM BEHIND PARKED VEHICLE  08 - CHILD GETTING ON/OFF SCHOOL BUS  09 - GETTING ON/OFF VEHICLE  10 - PUSHING/WORKING ON CAR  11 - WORKING IN ROADWAY  12 - PLAYING IN ROADWAY  13 - OTHER ACTIONS IN ROADWAY  14 - NOT IN ROADWAY  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| EXT\_OF\_INJURIES | Character | 5 |  | Up to five entries per accident, one for each person injured or killed in the accident. | 1 - APPARENT DEATH  2 - UNCONSCIOUS  3 - SEMI-CONSCIOUS  4 - INCOHERENT  5 - SHOCK  6 - CONSCIOUS  ? - INVALID CODE  A - INCAPACITATING INJURY  B - NON-INCAPACITATING INJURY  C - POSSIBLE INJURY  K - KILLED |
| REG\_CNTY\_CDE | Character | 2 |  | Region/county code used by SIMS. | 01 - NASSAU  02 - SUFFOLK  11 - ALBANY  12 - ESSEX  13 - GREENE  14 - RENSSELAER  15 - SARATOGA  16 - SCHENECTADY  17 - WARREN  18 - WASHINGTON  21 - FULTON  22 - HAMILTON  23 - HERKIMER  24 - MADISON  25 - MONTGOMERY  26 - ONEIDA  31 - CAYUGA  32 - CORTLAND  33 - ONONDAGA  34 - OSWEGO  35 - SENECA  36 - TOMPKINS  41 - GENESSEE  42 - LIVINGSTON  43 - MONROE  44 - ONTARIO  45 - ORLEANS  46 - WYOMING  47 - WAYNE  51 - CATTARAUGUS  52 - CHAUTAUQUA  53 - ERIE  54 - NIAGARA  61 - ALLEGANY  62 - CHEMUNG  63 - SCHUYLER  64 - STEUBEN  66 - YATES  71 - CLINTON  72 - FRANKLIN  73 - JEFFERSON  74 - LEWIS  75 - ST. LAWRENCE  81 - COLUMBIA  82 - DUTCHESS  83 - ORANGE  84 - PUTNAM  85 - ROCKLAND  86 - ULSTER  87 - WESTCHESTER  91 - BROOME  92 - CHENANGO  93 - DELAWARE  94 - OTSEGO  95 - SCHOHARIE  96 – SULLIVAN  97 - TIOGA  N1 - BRONX  N2 - KINGS  N3 - NEW YORK  N4 - QUEENS  N5 - RICHMOND  ZZ - UNKNOWN COUNTY |
| LOW\_NODE | Character | 5 |  | The lowest numeric NODE identifying a point along a segment of highway in the highway network which can be used as a single point or combined with a HIGH\_NODE to indicate a segment of highway known as a LINK. | Four or five digit integer value. |
| HIGH\_NODE | Character | 5 |  | The highest numeric NODE identifying at one end of a segment of highway in the highway network known as a LINK. The LOW\_NODE identifies the beginning of the LINK. | Four or five digit integer. |
| ACCD\_TIME | Date/Time |  |  | Time of the accident in military hours and minutes. | Example - 22:12 . There is no value if time is unknown or was not entered. |
| RPT\_AGCY | Character |  |  | Name of the police agency who submitted the accident report. | No code values just the police agency name. |
| DMV\_ACCD\_CLSF | Character | 1 |  | Classification assigned to an accident by the Department of Motor Vehicles. | 1 - FATAL ACCIDENT  2 - INJURY ACCIDENT  3 - PROPERTY DAMAGE & INJURY  4 - PROPERTY DAMAGE  5 - NON-REPORTABLE  6 - NON-AUTO  7 - NON-MOTOR VEHICLE  X - NOT ENTERED |
| ERR\_CDE | Character | 3 |  | Code assigned to indicate if the location data (reference marker, intersection number, low node, or high node) are valid. | 000 - NO ERROR EXISTS  001 - INVALID REFERENCE MARKER  002 - RM INVALID ON ACCIDENT DATE  003 - INVALID RM/INTERSECTION NUMBER  004 - INTERSECTION INVALID ON DATE  005 - DATA INTEGRITY ERROR ON LOCATION  009 - ACCIDENT SHOULD BE CODED TO RM  010 - INVALID LOCATION LOCAL ACCIDENT  011 - ACCIDENT WITHOUT LOCATION DATA |
| COMM\_VEH\_ACC\_IND | Character | 1 |  | Indicator if an accident meets Truck/Bus commercial vehicle reporting requirements. | 1 - NOT A COMM VEHICLE ACCIDENT  2 - COMM VEHICLE ACCIDENT AWAITING SELECTION FOR REPORTING.  3 - COMM VEHICLE ACCIDENT ALREADY SELECTED FOR REPORTING.  A - LEGACY ACCIDENT PRIOR TO SEPTEMBER 1, 2001 . |
| Highway\_Ind | Character | 1 |  | Indicates if accident is a non-highway accident | Y - Non-Highway accident  N - Highway Accident |
| Intersection\_Ind | Character | 1 |  | Indicates if the accident occurred at an intersection. | Y - Yes accident occurred at intersection  N - No, accident didn’t occur at an intersection |
| UTM\_Northing | Number |  |  | Universal Transverse Mercator (Y - Coordinate) | Values valid within New York State |
| UTM\_Eastering | Number |  |  | Universal Transverse Mercator (X - Coordinate) | Values valid within New York State |
| Geo\_segment\_Id | Number |  |  | Unique segment Id from NYS Data Product. | Numeric value of segment to which the accident record has been located. |
| Geo\_Node\_Id | Number |  |  | Unique node Id from NYS Data Product. | Numeric value assigned to a highway intersection for the closest intersection to the accident location. |
| Geo\_Node\_Distance | Number |  |  | Distance in meters from the accident location to the nearest highway intersection. | Numeric value in meters. |
| Geo\_Node\_Direction | Character | 1 |  | Direction from the accident location to the nearest highway intersection (NYS Data Product node number). | 1 - North  2 - Northeast  3 - East  4 - Southeast  5 - South  6 - Southwest  7 - West  8 - Northwest |

***VEHICLE DATA FILE STRUCTURE AND CODE VALUES:***

The vehicle data sets contain information about the type of vehicle and vehicle actions involved in an accident. The vehicle data set can be linked with the accident (event) data set using the “case\_yr” and “case\_num” data fields. The relation ship can involve from zero (none) to many vehicle records relating to a single accident (event) record.

The vehicle data file structure, field definitions, and code values are as follows:

| **FIELD** | **TYPE** | **WIDTH** | **POSITION** | **DEFINITION** | **CODE VALUES** |
| --- | --- | --- | --- | --- | --- |
| CASE\_NUM | Character | 9 |  | Case number assigned by DMV. | Integer values. |
| CASE\_YR | Number |  |  | Year of accident | Integer values. |
| VEH\_SEQ\_NUM | Numeric | 3 |  | Number for each vehicle involved in the accident. | Integer value. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| REGS\_TYP  **SEE NEXT PAGE FOR ADDITIONAL VALUES.** | Character | 2 |  | Registration type of vehicle involved in the accident assigned by DMV. | 01 - VAN POOL  02 - WORLD UNIVERSITY GAMES  03 - JEWISH WAR VETERANS  04 - MARINE CORP LEAGUE  05 - COUNTY LEGISLATORS  06 - COUNTY BOARD OF SUPERVISORS  07 - PURPLE HEART  08 - EDUCATOR  09 - FOREIGN CONSUL. DIPLOMAT  10 - LOCOMOTIVE  11 - SPECIAL PASSENGER  12 - SPECIAL PASSENGER (JUDGES/OFFICIALS)  13 - GOVERNOR'S SECOND CAR  14 - NEW YORK SENATE  15 - NEW YORK ASSEMBLY  16 - PASSENGER OR SUBURBAN (REGULAR)  17 - U.S. CONGRESS  18 - U.S. SENATE  19 - SCHOOL CAR  20 - HEARSE COACH (REGULAR OR INVALID)  21 - HISTORICAL  22 - SPECIAL REGISTRATION HEARSE  23 - HISTORICAL MOTORCYCLES  24 - LIMITED USE AUTOMOBILE  25 - COURT OF APPEALS  26 - SPECIAL PURPOSE COMMERCIAL  27 - NEW YORK COUNCIL  28 - SUPREME COURT (ADJ)  29 - MEDICAL DOCTOR  30 - COURT OF CLAIMS  31 - GOVERNOR'S ADDITIONAL CAR  32 - CONGRESSIONAL MEDAL OF HONOR  33 - SUPREME COURT JUSTICE  34 - COUNTY CLERK  35 - ALL TERRAIN VEHICLE  36 - MOTORCYCLE  37 - LIMITED USE MOTORCYCLE - TYPE A  38 - LIMITED USE MOTORCYCLE - TYPE B  39 - LIMITED USE MOTORCYCLE - TYPE C  40 - AIR NATIONAL GUARD  41 - ARMY NATIONAL GUARD  42 - NAVAL MILITIA  43 - STATE NATIONAL GUARD  44 - FORMER PRISONER OF WAR  45 - HAM OPERATOR  46 - FARM  47 - BIRTHPLACE OF BASEBALL  48 - VOLUNTEER AMBULANCE SERVICES  49 - SURVIVORS OF THE SHIELD  50 - OUT OF STATE OMNIBUS  51 - AMBULANCE  52 - (SPECIAL) OMNIBUS  53 - (PUBLIC SERVICE) OMNIBUS  54 - (TAXI) OMNIBUS  55 - (LIVERY) OMNIBUS |
| REGS\_TYP  **(CONTINUED)** | Character | 2 |  | Registration type of vehicle involved in the accident assigned by DMV. | 56 - (REGULAR) OMNIBUS  57 - (VANITY) OMNIBUS  58 - PEARL HARBOR SURVIVORS  59 - GOLD STAR MOTHERS  60 - CORONER/MEDICAL EXAMINERS  61 - IN TRANSIT PERMITS  62 - DEALER  64 - MOTORCYCLE DEALER  65 - ALL TERRAIN DEALER  66 - TRANSPORTER  67 - REGIONAL  68 - SPORTS  69 - ORGANIZATIONAL  70 - INTERNATIONAL REGISTRATION PLAN  71 - HAM OPERATOR COMMERCIAL  72 - AGRICULTURAL TRUCK  73 - REGIONAL COMMERCIAL  74 - COMMERCIAL SPORTS  75 - ORGANIZATIONAL COMMERCIAL  76 - (REGULAR) COMMERCIAL  77 - STATE AGENCIES  78 - (HOUSEHOLD CARRIER) COMMERCIAL  79 - AGRICULTURE COMMERCIAL  80 - TOW TRUCK  81 - (REGULAR) TRACTOR  82 - (HOUSEHOLD CARRIER) TRACTOR  83 - HOG PLATES  84 - LIGHT TRAILER  85 - COMMERCIAL SEMI-TRAILER  86 - (REGULAR) TRAILER  87 - HOUSE OR COACH TRAILER  88 - POLITICAL SUBDIVISION(MUNI/THRUWAY)  90 - MOTORBOATS  93 - SNOWMOBILES  ?? - INVALID  XX - NOT ENTERED  YY – NOT APPLICABLE  ZZ - UNKNOWN |
| **BODY\_TYP**  **SEE NEXT PAGE FOR ADDITIONAL**  **CODES.** | Character | 2 |  | Body type of vehicle involved in the accident assigned by DMV. | 01 - LIMITED USE VEHICLE-SEDAN  02 - LIMITED USE MOTORCYCLE - A  03 - LIMITED USE MOTORCYCLE - B  04 - LIMITED USE MOTORCYCLE - A, B, OR C  05 - MOTORIZED BICYCLE  06 - LIMITED USE MCY A, B, OR C OR  M-BICYCLE  07 - LIMITED USE MOTORCYCLE - C  08 - POLICE  09 - FIRE  10 - CONVERTIBLE  11 - SEDAN  12 - SUBURBAN  13 - 4 DOOR SEDAN  14 - 2 DOOR SEDAN  15 - HOUSE ON WHEELS  18 - ALL TERRAIN VEHICLE  19 - MOTORCYCLE  20 - HEARSE - INVALID COMB.  21 - LOCOMOTIVE  22 - CUSTOM  23 - REPLICA  30 - UNKNOWN TRUCK  31 - UNKNOWN PASSENGER  32 - MINIBIKE  33 - SNOWMOBILE  34 - OTHER OFF-HIGHWAY VEHICLE  35 - BICYCLIST  36 - PEDESTRIAN  37 - OTHER (PERSON)  38 - MISC. FARM VEHICLE  39 - AMBULANCE  41 - POWER SHOVEL  42 - ROAD BUILDING MACHINE  43 - ROAD ROLLER  44 - ROAD SWEEPERS  45 - SAND SPREADER  46 - SNOW PLOW  47 - SNOW TRAVELER  48 - SNOWMOBILE  49 - TRACTION ENGINE  50 - TRACTOR CRANE  51 - TRUCK CRANE  52 - SMALL WHEEL TRUCK  53 - WELL DRILLER  54 - WELL SERVICING RIG  55 - FEED PROCESSING MACHINE  56 - MOBILE CAR CRUSHER  57 - EARTH MOVER  58 - TRACTOR  59 - UNKNOWN  60 - DELIVERY TRUCK  61 - DUMP TRUCK  62 - FLAT BED TRUCK  63 - PICK-UP TRUCK  64 - STAKE TRUCK  65 - TANK TRUCK  66 - REFRIGERATED TRUCK  67 - TOW TRUCK  68 - VAN TRUCK  70 - UTILITY TRUCK |
| **BODY\_TYP**  **(CONTINUED).** | Character | 1 |  | Body type of vehicle involved in the accident assigned by DMV. | 71 - POLE TRAILER  80 - BOAT TRAILER  81 - HOUSE TRAILER  82 - REFRIGERATED  83 - SEMI-TRAILER OR MISC  84 - TANK  85 - TRAILER  86 - UTILITY  87 - LIGHT TRAILER  90 -BUS (OMNIBUS)  91 - IMOUSINE (OMNIBUS)  92 - HEARSE (AMBULANCE)  93 - TAXI  94 - DISABLE COMMERCIAL  94 - DISABLE COMMERCIAL  95 - CEMENT MIXER  96 - MOPED  ?? - INVALID |
| VEH\_TYP | Character | 1 |  | Vehicle type is determined by grouping selected registration and body types together. Note: the category truck is intended to include only large trucks and excludes pickups and vans. | 0 - OTHER  1 - MOTORCYCLE  2 - CAR/VAN/PICKUP  3 - TRUCK  4 - BUS  5 - BICYCLE  6 - PEDESTRIAN |
| PRE\_ACCD\_ACTN | Character | 2 |  | Pre accident action describing the motions of a vehicle prior to the occurrence of the accident. | 01 - GOING STRAIGHT AHEAD  02 - MAKING RIGHT TURN  03 - MAKING LEFT TURN  04 - MAKING U TURN  05 - STARTING FROM PARKING  06 - STARTING IN TRAFFIC  07 - SLOWED OR STOPPING  08 - STOPPED IN TRAFFIC  09 - ENTERING PARKED POSITION  10 - PARKED  11 - AVOIDING OBJECT IN ROADWAY  12 - CHANGING LANES  13 - OVERTAKING  14 - MERGING  15 - BACKING  16 - MAKING RIGHT TURN ON RED  17 - MAKING LEFT TURN ON RED  18 - POLICE PURSUIT  20 - OTHER  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| SECOND\_EVENT | Character | 2 |  | Second event describes any secondary collisions or events that may happen to a vehicle after the initial first event. Uses the same codes as accident type category. | See code values for accident type. |
| VEH\_DIRN\_OF\_TRAV | Character | 1 |  | Direction the vehicle was traveling prior to accident. | 1 - NORTH  2 - NORTH-EAST  3 - EAST  4 - SOUTH-EAST  5 - SOUTH  6 - SOUTH-WEST  7 - WEST  8 - NORTH-WEST  ? - INVALID CODE  X - NOT ENTERED  Y - NOT APPLICABLE  Z - UNKNOWN |
| HAZ\_CARGO\_IND | Character | 1 |  | Hazard category Indicates whether or not a vehicle was carrying hazardous cargo | 0 or N - NO  1 or Y- YES  ? - INVALID CODE  Z - NOT REPORTED/UNKNOWN |
| TCK\_BUS\_CLSF | Character | 2 |  | Truck bus classification for vehicles involved in the accident. | A - TRANSIT BUS  B - OVER-THE-ROAD COACH  C1 - 2 AX SINGLE UNIT BOX  C2 - 2 AX SINGLE UNIT TANK  C3 - 2 AX SINGLE UNIT PLATFORM  D1 - 3 AX SINGLE UNIT BOX  D2 - 3 AX SINGLE UNIT TANK  D3 - 3 AX SINGLE UNIT PLATFORM  E1 - 4 AX SINGLE UNIT BOX  E2 - 4 AX SINGLE UNIT TANK  E3 - 4 AX SINGLE UNIT PLATFORM  F1 - 1 AX TRAILER, 2 AX TRACTOR BOX  F2 - 1 AX TRAILER, 2 AX TRACTOR TANK  F3 - 1 AX TRAILER, 2 AX TRACTOR PLATFORM  G1 - 2 AX TRAILER, 2 AX TRACTOR BOX  G2 - 2 AX TRAILER, 2 AX TRACTOR TANK  G3 - 2 AX TRAILER, 2 AX TRACTOR PLATFORM  H1 - 3 AX TRAILER, 2 AX TRACTOR BOX  H2 - 3 AX TRAILER, 2 AX TRACTOR TANK  H3 - 3 AX TRAILER, 2 AX TRACTOR PLATFORM  I1 - 2 AX TRAILER, 3 AX TRACTOR BOX  J1 - 3 AX TRAILER, 3 AX TRACTOR BOX  J2 - 3 AX TRAILER, 3 AX TRACTOR TANK  J3 - 3 AX TRAILER, 3 AX TRACTOR PLATFORM  K1 - 2 AX TRAILER, 3 AX TRUCK BOX  K2 - 2 AX TRAILER, 3 AX TRUCK TANK  K3 - 2 AX TRAILER, 3 AX TRUCK PLATFORM  L1 - SEMITRAILER, TRACTOR 5 AX DBL BOX  L2 - SEMITRAILER, TRACTOR 5 AX DBL TANK  L3 - SEMITRAILER, TRACTOR 5 AX DBL PLATF  M1 - OTHER COMBINATIONS BOX  M2 - OTHER COMBINATIONS TANK  M3 - OTHER COMBINATIONS PLATFORM  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |
| PBL\_PRPT\_IND | Character | 1 |  | Public property damage identifies whether the vehicle caused damage to public property. | Y - Yes  N - No |
| COMM\_VEH\_IND | Character | 1 |  | Indicator if the vehicle meets the Truck/Bus reporting requirements. | Y - Yes  N - No |
| AGE | Numeric |  |  | Age of the driver of the motor vehicle, pedestrian, or bicyclist. | Integer values, with a space indication not known or entered. |
| SEX | Character | 1 |  | The sex of the driver, pedestrian or bicyclist. | F - Female  M - Male  Space - Indicating unknown or not entered. |
| OCCUPANT\_NUM | Numeric |  |  | Number of persons including the driver in or on the motor vehicle. | Integer value, with a value of spaces or “0" indicating unknown or not entered. |
| RGST\_WGT | Numeric |  |  | The registered weight in pounds of the mother vehicle. | Integer value or spaces if not known. |
| CIT\_IND | Character | 1 |  | Indicator which tells if a ticket was issued to the driver. | Y - Yes  N - No |
| DRVR\_LIC\_ST | Character | 2 |  | Two digit state abbreviation where the driver is licensed. | Two digit postal abbreviations. |
| VEH\_LIC\_ST | Character | 2 |  | Two digit state abbreviation where the vehicle is registered. | Two digit postal abbreviations. |
| TOW\_IND | Character | 1 |  | Indicator which tells if the vehicle was towed from the scene of the accident to another location. | Y - Yes  N - No |

***APPARENT CONTRIBUTING FACTOR DATA FILE STRUCTURE AND CODE VALUES:***

The apparent contributing factor data sets contain information about the factors which possibly led to the accident. There are two factors related to each vehicle record and can be linked with a vehicle record by using the “case\_yr”, “case\_num”, and “veh\_seq\_num” data fields. There is a two to one relationship. Since there are two apparent contributing factors per vehicle they are distinguished by the apparent factor sequence number “aprnt\_seq\_num”.

The apparent contributing factor data file structure, field definitions, and code values are as follows:

| **FIELD** | **TYPE** | **WIDTH** | **POSITION** | **DEFINITION** | **CODE VALUES** |
| --- | --- | --- | --- | --- | --- |
| CASE\_NUM | Character | 9 |  | Case number assigned by DMV. | Integer values. |
| CASE\_YR | Numeric |  |  | Year of accident | Integer values. |
| VEH\_SEQ\_NUM | Numeric |  |  | Number for each vehicle involved in the accident. | Integer value. |
| APRNT\_SEQ\_NUM | Numeric |  |  | Number associated apparent factor record. | Integer value. |
| APRNT\_FCTR | Character | 2 |  | Apparent factor associated with vehicle. | NONE  01 - NONE  02 - ALCOHOL INVOLVEMENT  03 - BACKING UNSAFELY  04 - DRIVER INATTENTION  05 - DRIVER INEXPERIENCE  06 - DRUGS (ILLEGAL)  07 - FAILURE TO YIELD RIGHT OF WAY  08 - FELL ASLEEP  09 - FOLLOWING TOO CLOSELY  10 - ILLNESS  11 - LOST CONSCIOUSNESS  12 - PASSENGER DISTRACTION  13 - PASSING OR LANE USAGE IMPROPERLY  14 - PEDESTRIAN'S ERROR/CONFUSION  15 - PHYSICAL DISABILITY  16 - PRESCRIPTION MEDICATION  17 - TRAFFIC CONTROL DEVICES  DISREGARDED  18 - TURNING IMPROPER  19 - UNSAFE SPEED  20 - UNSAFE LANE CHANGING  21 - FATIGUE/DROWSY  22 - CELL PHONE (HAND HELD)  23 - CELL PHONE (HANDS FREE)  24 - OTHER ELECTRONIC DEVICE  25 - OUTSIDE CAR DISTRACTION  26 - REACTION TO OTHER UNINVOLVED VEHICLE  27 - FAILURE TO KEEP RIGHT  28 - AGGRESSIVE DRIVING/ROAD RAGE  40 - OTHER (HUMAN)  41 - ACCELERATOR DEFECTIVE  42 - BRAKES DEFECTIVE  43 - HEADLIGHTS DEFECTIVE  44 - OTHER LIGHTING DEFECTS  45 - OVERSIZED VEHICLE  46 - STEERING FAILURE  47 - TIRE FAILURE/INADEQUATE  48 - TOW HITCH DEFECTIVE  49 - WINDSHIELD INADEQUATE  50 - DRIVERLESS/RUNAWAY VEHICLE  60 - OTHER (VEHICLE)  61 - ANIMAL'S ACTION  62 - GLARE  63 - LANE MARKING IMPROPER/INADEQUATE  64 - OBSTRUCTION/DEBRIS  65 - PAVEMENT DEFECTIVE  66 - PAVEMENT SLIPPERY  67 - SHOULDERS DEFECTIVE/IMPROPER  68 - TRAFFIC CONTROL DEVICE  IMPROPER/NON-WORKING  69 - VIEW OBSTRUCTED/LIMITED  80 - OTHER (ENVIRONMENTAL)  ?? - INVALID CODE  XX - NOT ENTERED  YY - NOT APPLICABLE  ZZ - UNKNOWN |