**SWITRS Codebook**

**SWITRS Crash Raw Data Export Layout**

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| --- | --- | --- | --- | --- | --- |
| **Item Name** | **Variable Name** | **Previous Variable Name** | **Datatype**  **(Length)** | **Description** | **Possible Values** |
| Case Id | **CASE\_ID** | CASEID | Varchar2(19) | The unique identifier of the crash case(barcode beginning 2002; 19 digit code prior to 2002) |  |
| Crash Year | **ACCIDENT\_YEAR** | YEAR\_ | Number(4) | The year when the crash occurred |  |
| Process Date | **PROC\_DATE** | PROCDATE | Number(8) | The date that the crash case was last changed (YYYYMMDD) |  |
| Jurisdiction | **JURIS** | JURIS | Number(4) | Law enforcement agency that has jurisdiction over the crash. For allied agency, it is a four character subset of the "NCIC number" assigned by the FBI. For the CHP, it is 9 followed by a three-digit area number. |  |
| Crash Date | **COLLISION\_DATE** | DATE\_ | Number(8) | The date when the crash occurred (YYYYMMDD) |  |
| Crash Time | **COLLISION\_TIME** | TIME\_ | Number(4) | The time when the crash occurred in 24 hour military time. Unknown time is coded as 2500-2559. (24 hour time) | Data may appear with no leading zero(s). |
| Officer Id | **OFFICER\_ID** | BADGE | Varchar2(8) | The badge number of the officer who wrote the crash report. |  |
| Reporting District | **REPORTING\_DISTRICT** | JURIDIST | Varchar2(5) | Value of the field "reporting district on the crash report. |  |
| Day of Week | **DAY\_OF\_WEEK** | DAYWEEK | Char(1) | The code for the day of the week when the crash occurred | 1 - Monday  2 - Tuesday  3 - Wednesday  4 - Thursday  5 - Friday  6 - Saturday  7 - Sunday |
| CHP Shift | **CHP\_SHIFT** | SHIFT | Char(1) | CHP shift at the time of the crash | 1 - 0600 thru 1359  2 - 1400 thru 2159  3 - 2200 thru 0559  4 - CHP Not Stated  5 - Not CHP |
| Population | **POPULATION** | POP | Char(1) | Deprecated. See notesi. |  |
| County City Location | **CNTY\_CITY\_LOC** | LOCATION | Varchar2(4) | The city or unincorporated county where the crash occurred. | Data may appear with no leading zero. |
| Special Condition | **SPECIAL\_COND** | SPECIAL | Char(1) | A computed value. 0 means not private property. | 1 - Schoolbus on Public Roadway (CHP Beat or CHP Adm Beat 901)  2 - State University (Also San Francisco International Airport)  3 - Schoolbus Not on Public Roadway (CHP Adm Beat 903)  4 - Offroad (Unimproved) (CHP Adm Beat 906, 907)  5 - Vista Point or Rest Area (CHP Adm Beat 903) or Scales or Inspection Facility (CHP Com Beat 860-898)  6 - Other Public Access (Improved) (CHP Adm Beat 903)  0 - Not Above  - - Not Stated |
| Beat Type | **BEAT\_TYPE** | BEATTYPE | Char(1) | Location of crash based on beat. | 1 - CHP State Highway  2 - CHP County Road Line  3 - CHP County Road Area  4 - Schoolbus on City Roadway (CHP Adm Beat 901)  5 - Schoolbus not on Public Roadway (CHP Adm Beat 903)  6 - Offroad (Unimproved) (CHP Adm Beat 906, 907)  7 - Vista Point or Rest Area (CHP Adm Beat 903) or Scales or Inspection Facility (CHP Com Beat 860-898)  8 - Other Public Access (Improved) (CHP Adm Beat 903)  0 - Not CHP |
| CHP Beat Type | **CHP\_BEAT\_TYPE** | CHPTYPE | Char(1) | Location of crash based on beat. | 1 - Interstate  2 - US Highway  3 - State Route  4 - County Road Line  5 - County Road Area  A - Safety Services Program Beats  S - Administrative Beats (900’s)  0 - Not CHP  Contract City:  6 - US Highway  7 - State Route  8 - County Road Line  9 - County Road Area |
| City Division LAPD | **CITY\_DIVISION\_LAPD** | LAPDDIV | Char(1) | Deprecated. See notesii. |  |
| CHP Beat Class | **CHP\_BEAT\_CLASS** | BEATCLAS | Char(1) | Location of crash based on beat. | 1 - CHP Primary  2 - CHP Other  0 - Not CHP |
| Beat Number | **BEAT\_NUMBER** | BEATNUMB | Varchar2(6) | Beat of the officer who reported the crash. |  |
| Primary Rd | **PRIMARY\_RD** | PRIMARYRD | Varchar2(50) | The name of roadway on which the crash occurred |  |
| Secondary Rd | **SECONDARY\_RD** | SECONDRD | Varchar2(50) | The name of the roadway that intersects the primary roadway |  |
| Distance | **DISTANCE** | DISTANCE | Number(9,2) | Distance of the crash from the intersection with the secondary roadway in feet |  |
| Direction | **DIRECTION** | DIRECT | Char(1) | Direction of the crash from the intersection with the secondary roadway. | N - North  E - East  S - South  W - West  - or blank - Not Stated, in Intersection |
| Intersection | **INTERSECTION** | INTERSECT\_ | Char(1) | A flag that denotes if the crash occurred at the intersection with the secondary roadway | Y - Intersection  N - Not Intersection  Blank - Not stated |
| Weather 1 | **WEATHER\_1** | WEATHER1 | Char(1) | Weather condition at the time of the crash | A - Clear  B - Cloudy  C - Raining  D - Snowing  E - Fog  F - Other  G - Wind  - - Not Stated |
| Weather 2 | **WEATHER\_2** | WEATHER2 | Char(1) | Additional weather condition at the time of the crash | same as weather 1 above |
| State Highway Indicator | **STATE\_HWY\_IND** | STATEHW | Char(1) | A flag to indicate whether the crash is on or near a state highway. See notesiii. | Y - State Highway  N - Not State Highway  Blank - Not stated |
| Caltrans County | **CALTRANS\_COUNTY** | CALTRANC | Char(3) | Deprecated. See notesiv. |  |
| Caltrans District | **CALTRANS\_DISTRICT** | CALTRAND | Number(2) | Deprecated. See above. |  |
| State Route | **STATE\_ROUTE** | STROUTE | Number(3) | Deprecated. See above. | 0 = Not State Highway |
| Route Suffix | **ROUTE\_SUFFIX** | ROUTESUF | Char(1) | Deprecated. See above. |  |
| Postmile Prefix | **POSTMILE\_PREFIX** | POSTPRE | Char(1) | Deprecated. See above. |  |
| Postmile | **POSTMILE** | POSTMILE | Number(6,3) | Deprecated. See above. |  |
| Location Type | **LOCATION\_TYPE** | LOCATYPE | Char(1) | Deprecated. See above. | H - Highway  I - Intersection  R - Ramp (or Collector)  - or blank - Not State Highway |
| Ramp Intersection | **RAMP\_INTERSECTION** | RAMP | Char(1) | Deprecated. See above. | 1 - Ramp Exit, Last 50 Feet  2 - Mid-Ramp  3 - Ramp Entry, First 50 Feet  4 - Not State Highway, Ramp-related, Within 100 Feet  5 - Intersection  6 - Not State Highway, Intersection-related, Within 250 Feet  7 - Highway  8 - Not State Highway  - - Not Stated |
| Side Of Highway | **SIDE\_OF\_HWY** | SIDEHW | Char(1) | Code provided by Caltrans Coders; applies to divided highway, based on nominal direction of route; for single vehicle is same as nominal direction of travel, overruled by impact with second vehicle after crossing median | N - Northbound  S - Southbound  E - Eastbound  W - Westbound  Blank - Not stated/not state highway |
| Tow Away | **TOW\_AWAY** | TOWAWAY | Char(1) | A flag to indicate whether the vehicle was towed away from the crash scene. | Y - Yes  N - No |
| Crash Severity | **COLLISION\_SEVERITY** | CRASHSEV | Char(1) | The worst injury suffered by any victim in the crash. | 1 - Fatal injury  2 - Suspected serious injury or severe injury  3 - Suspected minor injury or visible injury  4 - Possible injury or complaint of pain  0 - No injury, also known as "property damage only" or PDO (PDO crashes not included on TIMS). |
| Killed victims | **NUMBER\_KILLED** | KILLED | Number(3) | Number of killed victims | 0 to N for each crash |
| Injured victims | **NUMBER\_INJURED** | INJURED | Number(3) | Number of injured victims | 0 to N for each crash |
| Party Count | **PARTY\_COUNT** | PARTIES | Number(3) | Number of parties involved in the crash. Note: a vehicle counts as one party regardless of the number of occupants. | 1 to N for each crash |
| Primary Crash Factor | **PRIMARY\_COLL\_FACTOR** | PCF | Char(1) | The primary cause of the crash | A - Code Violation  B - Other Improper Driving  C - Other Than Driver  D - Unknown  E - Fell Asleep  - - Not Stated |
| PCF Violation Code | **PCF\_CODE\_OF\_VIOL** | VIOLCODE | Char(1) | The law code that was violated and was the primary cause of the crash. Note: Vehicle Code is usually omitted. | B - Business and Professions  C - Vehicle  H - City Health and Safety  I - City Ordinance  O - County Ordinance  P - Penal  S - Streets and Highways  W - Welfare and Institutions  - - Not Stated |
| PCF Violation Category | **PCF\_VIOL\_CATEGORY** | VIOLCAT | Char(2) | A value computed from the law section that was given as the primary cause of the crash. | 01 - Driving or Bicycling Under the Influence of Alcohol or Drug  02 - Impeding Traffic  03 - Unsafe Speed  04 - Following Too Closely  05 - Wrong Side of Road  06 - Improper Passing  07 - Unsafe Lane Change  08 - Improper Turning  09 - Automobile Right-of-Way  10 - Pedestrian Right-of-Way  11 - Pedestrian Violation  12 - Traffic Signals and Signs  13 - Hazardous Parking  14 - Lights  15 - Brakes  16 - Other Equipment  17 - Other Hazardous Violation  18 - Other Than Driver (or Pedestrian)  19 -  20 -  21 - Unsafe Starting or Backing  22 - Other Improper Driving  23 - Pedestrian or "Other" Under the Influence of Alcohol or Drug  24 - Fell Asleep  00 - Unknown  - - Not Stated |
| PCF Violation | **PCF\_VIOLATION** | VIOL | Number (5) | The law section given as the primary cause of the crash. The subsection is in the data element pcf\_viol\_subsection |  |
| PCF Violation Subsection | **PCF\_VIOL\_SUBSECTION** | VIOLSUB | Char(1) | The subsection of the law section given as the primary cause of the crash in the data element pcf\_violation | Blank if no subsection. |
| Hit And Run | **HIT\_AND\_RUN** | HITRUN | Char(1) | A flag to indicate the severity of hit -and-run crash. Felony hit-and-run resulted in injury or death to other parties. Misdemeanor hit-and-run did not result in injury or death to other parties. | F - Felony  M - Misdemeanor  N - Not Hit and Run |
| Type of Crash | **TYPE\_OF\_COLLISION** | CRASHTYP | Char(1) | The general type of crash as determined by the first injury or damage-causing event. | A - Head-On  B - Sideswipe  C - Rear End  D - Broadside  E - Hit Object  F - Overturned  G - Vehicle/Pedestrian  H - Other  - - Not Stated |
| Motor Vehicle Involved With | **MVIW** | INVOLVE | Char(1) | Describes what, in conjunction with a motor vehicle in-transport, produced the first injury or damage-causing event, on or off the road. | A - Non-Collision  B - Pedestrian  C - Other Motor Vehicle  D - Motor Vehicle on Other Roadway  E - Parked Motor Vehicle  F - Train  G - Bicycle  H - Animal  I - Fixed Object  J - Other Object  0 - Non-Collision and Additional Object  1 - Pedestrian and Additional Object  2 - Other Motor Vehicle and Additional Object  3 - Motor Vehicle on Other Roadway and Additional Object  4 - Parked Motor Vehicle and Additional Object  5 - Train and Additional Object  6 - Bicycle and Additional Object  7 - Animal and Additional Object  8 - Fixed Object and Additional Object  9 - Other Object and Additional Object  - - Not Stated |
| Ped Action | **PED\_ACTION** | PED | Char(1) | The action just prior to the crash of the first pedestrian injured or otherwise involved. | A - No Pedestrian Involved  B - Crossing in Crosswalk at Intersection  C - Crossing in Crosswalk Not at Intersection  D - Crossing Not in Crosswalk  E - In Road, Including Shoulder  F - Not in Road  G - Approaching/Leaving School Bus  - - Not Stated |
| Road Surface | **ROAD\_SURFACE** | ROADSURF | Char(1) | Roadway surface condition at the time of the crash in the traffic lane(s) involved. | A - Dry  B - Wet  C - Snowy or Icy  D - Slippery (Muddy, Oily, etc.)  - - Not Stated |
| Road Condition 1 | **ROAD\_COND\_1** | RDCOND1 | Char(1) | Roadway condition at the time of the crash in the traffic lane(s) involved. | A - Holes, Deep Ruts  B - Loose Material on Roadway  C - Obstruction on Roadway  D - Construction or Repair Zone  E - Reduced Roadway Width  F - Flooded  G - Other  H - No Unusual Condition  - - Not Stated |
| Road Condition 2 | **ROAD\_COND\_2** | RDCOND2 | Char(1) | Second roadway condition at the time of the crash in the traffic lane(s) involved. | same as road condition 1 above |
| Lighting | **LIGHTING** | LIGHTING | Char(1) | Lighting conditions at the crash location and the time of the crash. | A - Daylight  B - Dusk - Dawn  C - Dark - Street Lights  D - Dark - No Street Lights  E - Dark - Street Lights Not Functioning  - - Not Stated |
| Control Device | **CONTROL\_DEVICE** | RIGHTWAY | Char(1) | Presence and condition of crash related traffic control devices at the time of the crash. Control devices include regulatory, warning, and construction signs. This excludes striping and officers or other persons directing traffic. | A - Functioning  B - Not Functioning  C - Obscured  D - None  - - Not Stated |
| CHP Road Type | **CHP\_ROAD\_TYPE** | CHPRDTYP | Char(1) | Deprecated. See notesv. |  |
| Pedestrian Crash | **PEDESTRIAN\_ACCIDENT** | PEDCOL | Char(1) | Indicates whether the crash involved a pedestrian | Y or blank |
| Bicycle Crash | **BICYCLE\_ACCIDENT** | BICCOL | Char(1) | Indicates whether the crash involved a bicycle | Y or blank |
| Motorcycle Crash | **MOTORCYCLE\_ACCIDENT** | MCCOL | Char(1) | Indicates whether the crash involved a motorcycle | Y or blank |
| Truck Crash | **TRUCK\_ACCIDENT** | TRUCKCOL | Char(1) | Indicates whether the crash involved a big truck | Y or blank |
| Not Private Property | **NOT\_PRIVATE\_PROPERTY** | NOTPRIV | Char(1) | Y indicates that the crash did not occur on private property | Y or blank |
| Alcohol Involved | **ALCOHOL\_INVOLVED** | ETOH | Char(1) | Indicates whether the crash involved a party that had been drinking. Note: a passenger does not count as a party. | Y or blank |
| Statewide Vehicle Type At Fault | **STWD\_VEHTYPE\_AT\_FAULT** | STFAULT | Char(1) | Indicates the Statewide Vehicle Type of the party who is at fault | see Party folder Statewide Vehicle Type item |
| CHP Vehicle Type At Fault | **CHP\_VEHTYPE\_AT\_FAULT** | CHPFAULT | Char(2) | Indicates the CHP Vehicle Type of the party who is at fault | see Party folder CHP Vehicle Type Towing item |
| Severe Injury count | **COUNT\_SEVERE\_INJ** | SEVINJ | Number(3) | Number of victims in the crash with suspected serious injury or severe injury | 0 to N for each crash |
| Other Visible Injury count | **COUNT\_VISIBLE\_INJ** | OTHERINJ | Number(3) | Number of victims in the crash with suspected minor injury or visible injury | 0 to N for each crash |
| Complaint of Pain Injury count | **COUNT\_COMPLAINT\_PAIN** | COP | Number(3) | Number of victims in the crash with possible injury or complaint of pain | 0 to N for each crash |
| Pedestrian Killed count | **COUNT\_PED\_KILLED** | PEDKILL | Number(3) | Number of killed pedestrian victims | 0 or 1 for each crash |
| Pedestrian Injured count | **COUNT\_PED\_INJURED** | PEDINJ | Number(3) | Number of injured pedestrian victims | 0 or 1 for each crash |
| Bicyclist Killed count | **COUNT\_BICYCLIST\_KILLED** | BICKILL | Number(3) | Number of killed bicyclists | 0 to N for each crash |
| Bicyclist Injured count | **COUNT\_BICYCLIST\_INJURED** | BICINJ | Number(3) | Number of injured bicyclists | 0 to N for each crash |
| Motorcyclist Killed count | **COUNT\_MC\_KILLED** | MCKILL | Number(3) | Number of killed motorcyclists | 0 to N for each crash |
| Motorcyclist Injured count | **COUNT\_MC\_INJURED** | MCINJURE | Number(3) | Number of injured motorcyclists | 0 to N for each crash |
| Primary Ramp | **PRIMARY\_RAMP** | RAMP1 | Varchar2(2) | A description of the ramp, if any, on primary roadway. This value is computed by the key operator from information on the crash report. | NO-NB On Ramp, NF-NB Off Ramp, SO-SB On Ramp, SF-SB Off Ramp, EO-EB On Ramp, EF-EB Off Ramp, WO-WB On Ramp, WF-WB Off Ramp, To, From, Transition, Collector, Connector & blank |
| Secondary Ramp | **SECONDARY\_RAMP** | RAMP2 | Varchar2(2) | A description of the ramp, if any, on secondary roadway. This value is computed by the key operator from information on the crash report. | Same as primary\_ramp |
| CHP generated GPS latitude coordinate | **LATITUDE** | X\_CHP |  | Latitude of the crash location in decimal degrees. The decimal point is included. LATITUDE and LONGITUDE are from the crash report. |  |
| CHP generated GPS longitude coordinate | **LONGITUDE** | Y\_CHP |  | Longitude of the crash location in decimal degrees. The decimal point is included. There is no minus sign. The longitude is understood to be west of meridian. LATITUDE and LONGITUDE are from the crash report. |  |
| Local Report Number | **local\_report\_number** |  |  | The report number assigned by the reporting agency to the crash report |  |
| X-Coordinate Location | **POINT\_X** | POINT\_X | Double | The longitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84). POINT\_X and POINT\_Y are generated using the geocoding process by UC Berkeley SafeTREC |  |
| Y-Coordinate Location | **POINT\_Y** | POINT\_Y | Double | The latitude of the geocoded location; uses the World Geodetic System from 1984 (WGS84). POINT\_X and POINT\_Y are generated using the geocoding process by UC Berkeley SafeTREC. |  |
| City | **CITY** | CITY | Varchar(30) |  |  |
| County | **COUNTY** | COUNTY | Varchar(30) |  |  |

**SWITRS Party Raw Data Export Layout**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case Id | **CASE\_ID** | caseid | Varchar2(19) | The unique identifier of the crash case |  |
| Party Number | **PARTY\_NUMBER** | parnum | Number(3) | A number that together with the case\_id uniquely identifies a party in a crash. | 1 to 999 |
| Party Type | **PARTY\_TYPE** | ptype | Char(1) | Involved party type | 1 - Driver (including Hit and Run)  2 - Pedestrian  3 - Parked Vehicle  4 - Bicyclist  5 - Other  6 - Operator  - - Not Stated |
| At Fault | **AT\_FAULT** | atfault | Char(1) | Indicates whether the party was at fault in the crash | Y - At fault  N - Not at fault  - or blank - Not Stated |
| Party Sex | **PARTY\_SEX** | psex | Char(1) | The gender of the party | M - Male  F - Female  X - Nonbinary  - - Not Stated |
| Party Age | **PARTY\_AGE** | page | Number(3) | The age of the party at the time of the crash | 0 - 100+  998 - Not Stated |
| Party Sobriety | **PARTY\_SOBRIETY** | psober | Char(1) | The state of sobriety of the party | A - Had Not Been Drinking  B - Had Been Drinking, Under Influence  C - Had Been Drinking, Not Under Influence  D - Had Been Drinking, Impairment Unknown  G - Impairment Unknown  H - Not Applicable  - - Not Stated |
| Party Drug Physical | **PARTY\_DRUG\_PHYSICAL** | pdrug | Char(1) | The state of the party with regard to drugs and physical condition | E - Under Drug Influence  F - Impairment - Physical  H - Not Applicable  I - Sleepy/Fatigued  - - Not Stated |
| Direction Of Travel | **DIR\_OF\_TRAVEL** | pdirect | Char(1) | Direction that the party was traveling at the time of the crash. The direction is the direction of the highway, not the compass direction. For example, I-5 direction is N or S even though near Sacramento International Airport its compass direction is east-west. | N - North  S - South  E - East  W - West  - - Not Stated |
| Party Safety Equipment 1 | **PARTY\_SAFETY\_EQUIP\_1** | psafety1 | Char(1) | The safety equipment of the party | A - None in Vehicle  B - Unknown  C - Lap Belt Used  D - Lap Belt Not Used  E - Shoulder Harness Used  F - Shoulder Harness Not Used  G - Lap/Shoulder Harness Used  H - Lap/Shoulder Harness Not Used  J - Passive Restraint Used  K - Passive Restraint Not Used  L - Air Bag Deployed  M - Air Bag Not Deployed  N - Other  P - Not Required  Q - Child Restraint in Vehicle Used  R - Child Restraint in Vehicle Not Used  S - Child Restraint in Vehicle, Use Unknown  T - Child Restraint in Vehicle, Improper Use  U - No Child Restraint in Vehicle  V - Driver, Motorcycle Helmet Not Used  W - Driver, Motorcycle Helmet Used  X - Passenger, Motorcycle Helmet Not Used  Y - Passenger, Motorcycle Helmet Used  - or blank - Not Stated |
| Party Safety Equipment 2 | **PARTY\_SAFETY\_EQUIP\_2** | psafety2 | Char(1) | The safety equipment of the party | same as Party Safety Equipment 1 above |
| Financial Responsibility | **FINAN\_RESPONS** | insured | Char(1) | Financial responsibility of the party | N - No Proof of Insurance Obtained  Y - Yes, Proof of Insurance Obtained  O - Not Applicable (used for parked cars, bicyclists, pedestrians, and party type others)  E - Used if the officer is called away from the scene of the crash prior to obtaining the insurance information  Blank - not stated |
| Special Information 1 | **SP\_INFO\_1** | hazard | Char(1) | Value A indicates that the crash involved a vehicle known to be, or believed to be, transporting a hazardous material as defined in CVC Section 353, whether or not the crash involved a Hazardous Material Incidentvi. | A - Hazardous Materials  - - Not Stated |
| Special Information 2 | **SP\_INFO\_2** | cell | Char(1) | Cell phone | B - Cell Phone in Use (4/1/01)  C - Cell Phone Not in Use (4/1/01)  D - No Cell Phone/Unknown (4/1/01)  1 - Cell Phone Handheld in Use  2 - Cell Phone Handsfree in Use  3 - Cell Phone Not in Use  4 - Cell Phone Use Unknown  - - Not Stated |
| Special Information 3 | **SP\_INFO\_3** | sbus | Char(1) | Value E indicates that the crash involved a motor vehicle in-transport passing a stopped school bus with its red signal lamps in operation, pursuant to CVC Section 22112, or reacting to, pursuant to CVC Section 22454vii. | E - School Bus Related (1/1/02)  - - Not Stated (1/1/02) |
| OAF Violation Code | **OAF\_VIOLATION\_CODE** | pviolcod | Char(1) | Other associated factor law code violated | B - Business and Professions  C - Vehicle  H - City Health and Safety  I - City Ordinance  O - County Ordinance  P - Penal  S - Streets and Highways  W - Welfare and Institutions  - - Not Stated |
| OAF Violation Category | **OAF\_VIOL\_CAT** | pviolcat | Char(2) | Category of the factor that contributed to the crash but was not the primary cause of the crash. | 01 - Under Influence in Public (647F)  02 - County Ordinance  03 - City Ordinance  05 - Business/Professions Code  06 - Felony Penal Code  08 - Controlled Substances (Felony Health and Safety)  09 - Health/Safety Code (Misdemeanor)  10 - Penal Code (Misdemeanor)  11 - Streets/Highways Code  13 - Welfare/Institutions Code  15 - Manslaughter  16 - Non-Vehicle Code Not Specified Above  17 - Fish & Game Code  18 - Agriculture Code  19 - Hit and Run  20 - Driving or Bicycling Under the Influence of Alcohol or Drug  21 - Improper Lane Change  22 - Impeding Traffic  23 - Failure to Heed Stop Signal  24 - Failure to Heed Stop Sign  25 - Unsafe Speed  26 - Reckless Driving  27 - Wrong Side of Road  28 - Unsafe Lane Change  29 - Improper Passing  30 - Following Too Closely  31 - Improper Turning  33 - Automobile Right-of-Way  34 - Pedestrian Right-of-Way  35 - Pedestrian Violation  37 -  38 - Hazardous Parking  39 - Lights  40 - Brakes  43 - Other Equipment  44 - Other Hazardous Movement  46 - Improper Registration  47 - Other Non-Moving Violation  48 - Excessive Smoke  49 - Excessive Noise  50 - Overweight  51 - Oversize  52 - Over Maximum Speed  53 - Unsafe Starting or Backing  60 - Off-Highway Vehicle Violation  61 - Child Restraint  62 - Seat Belt  63 - Seat Belt (Equipment)  00 or Blank - Not Stated |
| OAF Violation Section | **OAF\_VIOL\_SECTION** | pviol | Number(5) | The CVC section of the secondary violation that contributed to the crash. |  |
| OAF Violation Suffix | **OAF\_VIOLATION\_SUFFIX** | pviolsuf | Char(1) | The subsection of the CVC section of the secondary violation that contributed to the crash. | Blank if no suffix. |
| Other Associated Factor 1 | **OAF\_1** | oaf1 | Char(1) | A factor that contributed to the crash but was not the primary cause of the crash. | A - Violation  E - Vision Obscurements  F - Inattention (beginning 1/1/01, inattention not stated)  G - Stop and Go Traffic  H - Entering/Leaving Ramp  I - Previous Crash  J - Unfamiliar With Road  K - Defective Vehicle Equipment  L - Uninvolved Vehicle  M - Other  N - None Apparent  O - Runaway Vehicle  P - Inattention, Cell Phone (1/1/01)  Q - Inattention, Electronic Equip.(1/1/01)  R - Inattention, Radio/CD (1/1/01)  S - Inattention, Smoking (1/1/01)  T - Inattention, Eating (1/1/01)  U - Inattention, Children (1/1/01)  V - Inattention, Animal (1/1/01)  W - Inattention, Personal Hygiene (1/1/01)  X - Inattention, Reading (1/1/01)  Y - Inattention, Other (1/1/01)  - - Not Stated |
| Other Associated Factor 2 | **OAF\_2** | oaf2 | Char(1) | A factor that contributed to the crash but was not the primary cause of the crash. | same as OAF 1 above |
| Party Number Killed | **PARTY\_NUMBER\_KILLED** | pkilled | Number(3) | Number of killed victims in the party | 0 to N for each party |
| Party Number Injured | **PARTY\_NUMBER\_INJURED** | pinjured | Number(3) | Number of injured victims in the party | 0 to N for each party |
| Movement Preceding Crash | **MOVE\_PRE\_ACC** | movement | Char(1) | The action of the vehicle prior to the crash and before evasive action. This movement does not have to correspond with the PCFviii. | A - Stopped  B - Proceeding Straight  C - Ran Off Road  D - Making Right Turn  E - Making Left Turn  F - Making U-Turn  G - Backing  H - Slowing/Stopping  I - Passing Other Vehicle  J - Changing Lanes  K - Parking Maneuver  L - Entering Traffic  M - Other Unsafe Turning  N - Crossed Into Opposing Lane  O - Parked  P - Merging  Q - Traveling Wrong Way  R - Other  S - Lane splitting  - - Not Stated |
| Vehicle Year | **VEHICLE\_YEAR** | vehyear | Number(4) | The model year of the party's vehicle | 9999 or blank = not stated |
| Vehicle Make | **VEHICLE\_MAKE** | vehmake | Varchar2(50) | The make of the party's vehicle |  |
| Statewide Vehicle Type | **STWD\_VEHICLE\_TYPE** | vehtype | Char(1) | Type of the party's vehicle according to a list called "statewide vehicle type" | A - Passenger Car/Station Wagon  B - Passenger Car with Trailer  C - Motorcycle/Scooter  D - Pickup or Panel Truck  E - Pickup or Panel Truck with Trailer  F - Truck or Truck Tractor  G - Truck or Truck Tractor with Trailer  H - School Bus  I - Other Bus  J - Emergency Vehicle  K - Highway Construction Equipment  L - Bicycle  M - Other Vehicle  N - Pedestrian  O - Moped  - or blank - Not Stated |
| CHP Vehicle Type Towing | **CHP\_VEH\_TYPE\_TOWING** | chptype1 | Char(2) | The type of the solitary vehicle or the tractor unit according to the CHP manual HPM 110.5 Chapter 3 Annex F Vehicle Type Codes. | 00 - Not CHP  01 - Passenger Car, Station Wagon, or Jeep  02 - Motorcycle  03 - Motor-Driven Cycle (< 15 hp)  04 - Bicycle  05 - Motorized Bicycle  06 - All-Terrain Vehicle (ATV)  07 - Sport Utility Vehicle  08 - Minivan  09 - Paratransit Bus  10 - Tour Bus  11 - Other Commercial Bus  12 - Non-Commercial Bus  13 - Schoolbus Public I (eff. 2002)  14 - Schoolbus Public II (eff. 2002)  15 - Schoolbus Private I (eff. 2002)  16 - Schoolbus Private II (eff. 2002)  17 - Schoolbus Contractual I (eff. 2002)  18 - Schoolbus Contractual II (eff. 2002)  19 – General Public Paratransit Vehicle (eff 2002  20 - Public Transit Authority  21 - Two-Axle Tank Truck  22 - Pickup or Panel Truck  23 - Pickup Truck With Camper  24 - Three-Axle Tank Truck  25 - Truck Tractor  26 - Two-Axle Truck  27 - Three-Axle Truck  28 - Semi-Tank Trailer  29 - Pull-Tank Trailer  30 - Two-Tank Trailer  31 - Semi-Trailer  32 - Pull Trailer (includes dolly)  33 - Two Trailers (includes semi and trailer)  34 - Boat Trailer  35 - Utility Trailer  36 - Trailer Coach  37 - Oversize Vehicle/Load  38 - Pole, Pipe, or Logging Dolly  39 - Three Trailers (includes semi and two trailers)  40 - Semi 48 or Less with King Pin to Trailer Axle of over 38  41 - Ambulance  42 - Dune Buggy  43 - Fire Truck (not rescue)  44 - Forklift  45 - Highway Construction Equipment (only while not in construction area)  46 - Implement of Husbandry  47 - Motor Home (40 ft or less)  48 - CHP, Police, or Sheriff Car (emergency service or not)  49 - CHP, Police, or Sheriff Motorcycle (emergency service or not)  50 - Mobile Equipment  51 - Farm Labor Vehicle (certified)  52 - Federally Legal Double Cargo Combo over 75 long  53 - 5th Wheel Trailer  54 - Container Chassis  55 - Two-Axle Tow Truck  56 - Three-Axle Tow Truck  57 - Farm Labor Vehicle (non-certified)  58 - Farm Labor Transporter  59 - Motorhome (over 40 ft)  60 - Pedestrian (includes motorized wheelchair)  61 - School Pupil Activity Bus I (prior to 2002)  62 - School Pupil Activity Bus II (prior to 2002  63 - "Youth" Bus  64 - School Pupil Activity Bus I (eff. 2002)  65 - School Pupil Activity Bus II (eff. 2002)  66 – School Bus – No Pupils on Board (eff 2002)  71 - Passenger Car - Hazardous Materials Only  72 - Pickups and Panels - Hazardous Materials Only  73 - Pickups and Campers - Hazardous Materials Only  75 - Truck Tractor - Hazardous Materials Only  76 - Two-Axle Truck - Hazardous Materials Only  77 - Three or More Axle Truck - Hazardous Materials Only  78 - Two-Axle Tank Truck - Hazardous Materials Only  79 - Three-Axle Tank Truck - Hazardous Materials Only  81 - Passenger Car - Hazardous Waste or Waste/Material Combo  82 - Pickups and Panels - Hazardous Waste or Waste/Material Combo  83 - Pickups and Campers - Hazardous Waste or Waste/Material Combo  85 - Truck Tractor - Hazardous Waste or Waste/Material Combo  86 - Two-Axle Truck - Hazardous Waste or Waste/Material Combo  87 - Three or More Axle Truck - Hazardous Waste or Waste/Material Combo  88 - Two-Axle Tank Truck - Hazardous Waste or Waste/Material Combo  89 - Three-Axle Tank Truck - Hazardous Waste or Waste/Material Combo  91 - Electric Bicycle (Class 1, 2, 3)  93 - Electrically Motorized Board  94 - Motorized Transportation Device  95 - Miscellaneous Non-Motorized Vehicle(Ridden Animal, Animal-Drawn Conveyance, Train, Or Building) With Victim  96 - Miscellaneous Motorized Vehicle (Golf Cart)  97 - Low Speed Vehicle  98 – Emergency Vehicle on Emergency Run  99 or dash - Not Stated or Unknown (Hit and Run) |
| CHP Vehicle Type Towed | **CHP\_VEH\_TYPE\_TOWED** | chptype2 | Char(2) | The type of the first trailer unit according to the CHP manual HPM 110.5 Chapter 3 Annex F Vehicle Type Codes. | same as CHP vehicle type towing above |
| Party Race | **RACE** | prace | Char(1) | The party’s race based on the reporting officer's judgment. | A - Asian  B - Black  H - Hispanic  O - Other  W - White  Blank - Not stated |
| Inattention | **INATTENTION** |  | Char(1) | Type of inattention | A – Cell Phone Handheld(7/1/03)  B – Cell Phone Handsfree ((7/1/03)  C – Electronic Equipment (1/1/01)  D – Radio/CD (1/1/01)  E – Smoking (1/1/01)  F – Eating (1/1/01)  G – Children (1/1/01)  H – Animal (1/1/01)  I – Personal Hygiene (1/1/01)  J – Reading (1/1/01)  K – Other (1/1/01)  P – Cell Phone (1/1/01, value prior to 7/03 form revision)  - - Not Stated |
| Special Info F | **SPECIAL\_INFO\_F** |  | Char(1) | The value F indicates that the party's vehicle is a 75 ft Motor Truck Combo. The current crash report form no longer has a box to indicate this. | F - 75 ft Motor Truck Combo  - - Not Stated |
| Special Info G | **SPECIAL\_INFO\_G** |  | Char(1) | The value G indicates that the party's vehicle is a 32 ft Trailer Combo. The current crash report form no longer has a box to indicate this. | G - 32 ft Trailer Combo  - - Not Stated |
| Local Report Number | **local\_report\_number** |  |  | The report number assigned by the reporting agency to the crash report |  |

**SWITRS Victim Raw Data Export Layout**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Case Id | **CASE\_ID** | caseid | Varchar2(19) | The unique identifier of the crash case |  |
| Party Number | **PARTY\_NUMBER** | parnum | Number (3) | The unique identifier of the party in the crash that this victim belongs to | 1 to 999 |
| Victim Role | **VICTIM\_ROLE** | vtype | Char(1) | The role of the victim | 1 - Driver  2 - Passenger (includes non-operator on bicycle or any victim on/in parked vehicle or multiple victims on/in non-motor vehicle)  3 - Pedestrian  4 - Bicyclist  5 - Other (single victim on/in non-motor vehicle; e.g. ridden animal, horse-drawn carriage, train, or building)  6 - Operator |
| Victim Sex | **VICTIM\_SEX** | vsex | Char(1) | The gender of the victim | M - Male  F - Female  X - Nonbinary  - - Not Stated |
| Victim Age | **VICTIM\_AGE** | vage | Number(3) | The age of the victim at the time of the crash | 0 – 125  998 – Not Stated  999 – Fatal Fetus |
| Victim Degree of Injury | **VICTIM\_DEGREE\_OF\_INJURY** | vinjury | Char(1) | The severity of the injury to the victim | 1 - Killed  2 - Severe Injury  3 - Other Visible Injury  4 - Complaint of Pain  5 – Suspected Serious Injury  6 – Suspected Minor Injury  7 – Possible Injury  0 - No Injury |
| Victim Seating Position | **VICTIM\_SEATING\_POSITION** | vseat | Char(1) | Seating position of the victim | 1 - Driver  2 thru 6 - Passengers  7 - Station Wagon Rear  8 - Rear Occupant of Truck or Van  9 - Position Unknown  0 - Other Occupants  A - third row left  B - third row center  C - third row right  - - Not Stated |
| Victim Safety Equipment 1 | **VICTIM\_SAFETY\_EQUIP\_1** | vsafety1 | Char(1) | The safety equipment of the victim | A - None in Vehicle  B - Unknown  C - Lap Belt Used  D - Lap Belt Not Used  E - Shoulder Harness Used  F - Shoulder Harness Not Used  G - Lap/Shoulder Harness Used  H - Lap/Shoulder Harness Not Used  J - Passive Restraint Used  K - Passive Restraint Not Used  L - Air Bag Deployed  M - Air Bag Not Deployed  N - Other  P - Not Required  Q - Child Restraint in Vehicle Used  R - Child Restraint in Vehicle Not Used  S - Child Restraint in Vehicle, Use Unknown  T - Child Restraint in Vehicle, Improper Use  U - No Child Restraint in Vehicle  V - Driver, Motorcycle Helmet Not Used  W - Driver, Motorcycle Helmet Used  X - Passenger, Motorcycle Helmet Not Used  Y - Passenger, Motorcycle Helmet Used  - or blank - Not Stated |
| Victim Safety Equipment 2 | **VICTIM\_SAFETY\_EQUIP\_2** | vsafety2 | Char(1) | The safety equipment of the victim | same as Victim Safety Equipment 1 above  (eff. Jan 2002) |
| Victim Ejected | **VICTIM\_EJECTED** | vejected | Char(1) | Indicates whether the victim was ejected from the vehicle | 0 - Not Ejected  1 - Fully Ejected  2 - Partially Ejected  3 - Unknown  - - Not Stated |
| Local Report Number | **local\_report\_number** |  |  | The report number assigned by the reporting agency to the crash report |  |
| Victim Number | **VICTIM\_NUMBER** |  | Number (3) | The unique identifier of the victim |  |

i The data element was intended to be the population count of the city or county at the time of the crash. However, population count is time-dependent. Existing values are computed from a lookup table with no effective dates. Therefore the value cannot be accurate over time.

ii The column translates the value of the data element "reporting\_district" in crashes reported by LAPD to a single letter. However, LAPD currently has 21 districts but the translation only covers 18 districts. Anyone wanting LAPD district can get it from the last two digits of the data element "reporting\_district".

iii The officer checks the box "state highway related" if the crash was on or near a state highway. When the box is checked, the data element has the value Y. However, if Caltrans later decides that the crash was not state highway related, the data element is changed to N, for not state highway related.

iv These data elements are from Caltrans coding form Card 8. The values are available only on some highway related documents that were received as hardcopy and are meaningful only to Caltrans.

v The type of roadway at the location of the crash. This column is deprecated. The value is based on CHP beat and post mile. The post mile is from Caltrans coding form Card 8 but we stopped doing Card 8 on CHP crashes in 2015.

vi HPM 110.5 chapter 4 paragraph 28. a.

vii HPM 110.5 chapter 4 paragraph 28. f.

viii HPM 110.5 chapter 4 paragraph 26