HIGHWAY SAFETY INFORMATION SYSTEM GUIDEBOOK FOR THE

NORTH CAROLINA STATE DATA FILES

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Table of Contents

Introduction to the North Carolina HSIS Guidebook 3

- What Has Changed 3
- Roadway File (2018 – Present) 5
- Traffic Signal File (2020 – Present) 5
- Interchange File (2021 – Present) 6
- Horizontal Curve File (2018) 6
- Freeway Exit File (2018 – Present) 7
- Crash File (2018 – Present) 7
- Unit File (2018 – Present) 8
- Person File (2018 – Present) 8

Using the Files Together 8

- Requesting HSIS Data 9
- Available Data 11

Roadway File 19

Traffic Signal File 43

Interchange File 47

Horizontal Curve File 52

Freeway Exit File 58

Crash File 60

Unit File 92

Person File 134

Appendix A: History of Revisions 142

Introduction to the North Carolina HSIS Guidebook

The Highway Safety Information System (HSIS), established in 1987, is a foundational highway research data system. The State of North Carolina has participated in the HSIS program since 1990, providing quality data to HSIS for use by researchers through a request system. In 2021, HSIS began a modernization effort with the goal of expanding the technological and analytic capabilities of the data system. This modernization provides an increased emphasis on spatial analysis and cloud-based data management.

What Has Changed

This guidebook is intended to support the use of North Carolina HSIS data for the years 2018 and beyond. Data and documentation prior to 2018 (1990-2017) are available upon request to the HSIS virtual laboratory. Prior to 2018, the North Carolina datasets included variables for the following files:

1. Roadway inventory.
2. Accident characteristics.
3. Vehicles involved in crashes.
4. Vehicle occupants involved in crashes.

The revised North Carolina database incorporated into HSIS contains eight different files:

1. Roadway inventory (including traffic information).
2. Traffic signal inventory.
3. Interchange inventory.
4. Horizontal curve inventory.
5. Freeway exit inventory.
6. Crash characteristics.
7. Units involved in crashes.
8. Persons involved in the crash.

Appendix A summarizes revisions the HSIS Laboratory made to the variables. In addition to the expanded list of files, there are several key differences between the North Carolina HSIS data prior to 2018:

Changes in File Names

Previously, HSIS data included accident, vehicle, and occupant files to describe crashes, the vehicles involved in those crashes, and the occupants of those vehicles. Due to

changes in reported data, HSIS now uses the nomenclature, of Crash, Unit, and Person files to represent these characteristics. Figure 1 illustrates the connection between the previous file naming convention (1990-2017) and the current file naming convention (2018 to present).

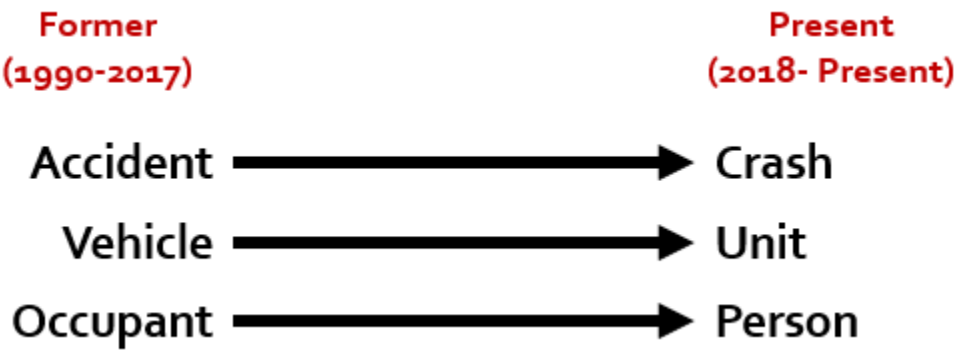

Figure 1. Changes to North Carolina HSIS Data File Naming Convention.

Changes in Variable Names

Previous versions of HSIS guidebooks referred to *SAS Name* as the shorthand for the more descriptive names in the HSIS documentation. With the modernization effort and increased emphasis on flexibility, this is now referred to as the *Variable Name*. Furthermore, the descriptive names of variables may have changed in this guidebook compared to previous versions. This may reflect changes in the data or definition of the variable to match updates to North Carolina's data documentation. Please consult the HSIS Virtual Laboratory for information on changes to the data over time.

Changes in Available Variables

This guidebook reflects the latest high-quality data available to HSIS and the research community. Variables that were available in previous years and documented in past guidebooks may no longer be available or otherwise discontinued. This guidebook represents data that are available to requestors for the years 2018 to the present. Please consult past guidebooks or the HSIS Virtual Laboratory for information regarding previously available data.

Changes in Variable Linkages

HSIS data are stored in a geographic information systems (GIS) compatible format. Researchers can request data from HSIS in various additional formats such as SAS, Microsoft Excel® and Access®, dBase, ASCII, etc. to meet their analytical and resource capabilities. Figure 2 provides an overview of the structure and relationships linking the eight files. The following sections provide a brief summary of each file.

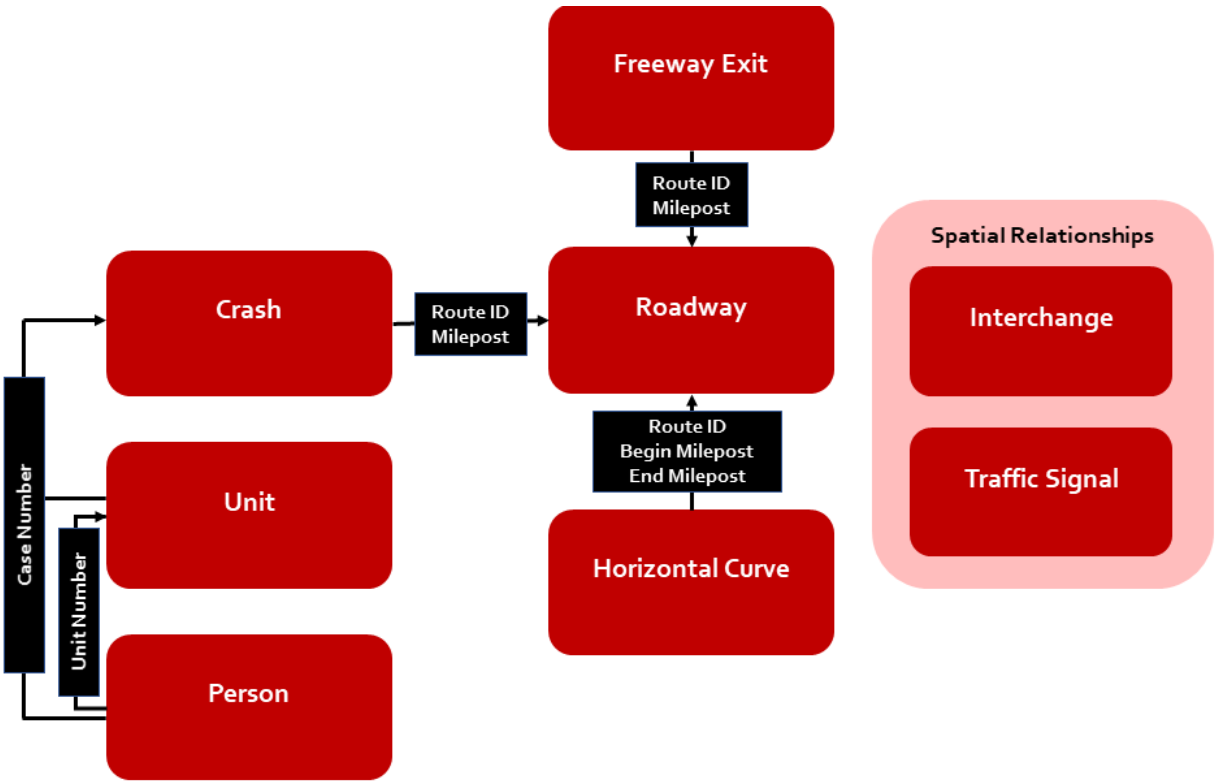

Figure 2. North Carolina HSIS Data Files and Linking Variables.

Roadway File (2018 – Present)

This file contains information about the physical layout of North Carolina's roads and the traffic characteristics associated with "on-system" roads in the State (i.e., State maintained). The file includes variables that describe the surface width, lane width and type, shoulder width and type, median information, and other variables. This file also contains information on traffic volumes represented as annual average daily traffic (AADT).

Route ID is the key linking variable between the base roadway inventory and the associated datasets, Crash, Horizontal Curve, and Freeway Exit. This variable is an 11-digit numerical code that documents the route class, route qualifier, inventory code, dominant route number, and county in which the route is located. Figure 3 illustrates the *Route ID* format.

	Class	Qualifier	Inventory	Route Number					County		
Route ID	2	1	0	0	0	0	7	0	0	9	2
Position	1	2	3	4	5	6	7	8	9	10	11

Figure 3. Example of North Carolina's Route ID Naming Convention.

Traffic Signal File (2020 – Present)

This file provides a spatial inventory of North Carolina Department of Transportation (NCDOT)-owned traffic signals and flashing beacons on North Carolina roads; this inventory does not include locally owned and operated signals. Signal locations do not have a route or a milepost, but they have an associated latitude and longitude. These locations can be spatially associated with all other HSIS inventories.

Interchange File (2021 – Present)

This file is a statewide polygon GIS data layer where each polygon represents information on an interchange. For this dataset, interchanges were defined as a grade-separated junction of two or more roads where at least one road is fully access-controlled and movements between roads are accomplished through straight and loop ramps. The polygon for each interchange encompasses the broad area of roadway where traffic interactions are reasonably related to the interchange, including all ramps, ramp intersections with cross streets, merging and diverging areas, acceleration and deceleration lanes, and portions of the mainline freeway that are within the general boundaries of the interchange. Each interchange is classified into a general design category, such as diamond or partial cloverleaf. The interchange inventory includes all interchanges in North Carolina, regardless of road ownership.

Horizontal Curve File (2018)

This file is a one-time "snapshot" of horizontal curves; that is, it provides information on horizontal curves in 2018. The file is for primary routes only (e.g., routes signed as Interstate, US, or NC). It does not include lower-level State routes (e.g., secondary routes) or any local

routes. NCDOT conducted field data collection with an instrumented vehicle to collect these data in 2018 and the data in the file represent the horizontal curves at that time.

Freeway Exit File (2018 – Present)

This file is a point inventory (that is, each freeway exit is represented by a single point in a spatial dataset) of signed exits on North Carolina freeways.

Crash File (2018 – Present)

Crash data are contained in three separate files. The Crash file contains basic information on the crash. Related information on the vehicles and people involved in each crash are contained in the corresponding Unit File and Person File. Specifically, the Crash File contains information relating to crash-level characteristics and conditions at the time of the crash. When requesting crash data, requestors should be aware of the difference between linkable crashes and non-linkable crashes.

Linkable Crashes

The Crash file can be linked to Unit and Person file using the crash report number (*Case Number*). The Crash File can be linked to the Roadway Inventory File using the *Route ID* and *Milepost* variables. Linkable crashes represent data that have been minimally vetted by NCDOT and North Carolina Department of Motor Vehicles (NCDMV) staff, and crash location can be determined to be reasonably reliable.

Non-Linkable Crashes

Milepost values are unavailable for a minority of crashes; these crashes cannot be readily linked to the Roadway Inventory file. These crashes have not been located in a post processing, and the only available crash location information is based on information collected by the officer at the scene of the crash. Although there is no simple method for linking these crashes via statistical software, these crashes are included in the HSIS file to help users understand crash characteristic proportions in the broader North Carolina dataset. Furthermore, users could potentially locate these crashes manually through spatial tools using the *From Road* and *Distance from 'FRM_RD' in Feet/ Distance from 'FRM_RD' in Miles* fields.

Crash data are collected statewide by all police departments in North Carolina on a standard form as prescribed by State law. The prescribed accident-reporting threshold is currently personal injury or $1,000 property damage (prior to 1996, the crash-reporting threshold was $500).

Unit File (2018 – Present)

This file provides information on the vehicles or units involved in crashes on North Carolina roads. This includes motor vehicles, bicyclists, pedestrians, and other users that represent an involved party in a crash. The Unit file can be linked to the Person file through the combination of the *Case Number* and *Unit Number* variables.

Person File (2018 – Present)

This file includes information on all persons involved in a crash, whether injured or not. This file includes standard variables related to seating positions in a vehicle, sex, race, and injury. The injury variable in North Carolina uses the KABCO system, which provides police estimates of injury level. North Carolina adopted the standard "Suspected Serious Injury" definition in September 2016 leading to a change in how serious injuries are reported and counted (and the resulting statistics) on public roads in the State after adoption.

Using the Files Together

Figure 1 highlighted the linkages between each of the eight North Carolina files. Researchers can use these files together to understand the circumstances, location, and vehicles and individuals involved in a crash. HSIS data can be linked and aggregated using either spatial or tabular relationships. HSIS data follow four different formats; each variable in this guidebook notes the specific format of that variable.

Numeric: Numeric values absent of alphabetical or special characters. These can include decimals or whole numbers.

Coded: Alphanumerical values that represent fixed value entries; this guidebook is a data dictionary for coded values.

Text: Free-form, plain text values that are not represented by coded abbreviations or other shorthand values (e.g., US 17 BUS (ROAD ST.) & CHURCH ST).

Date: Values representing date and time; specific formatting is noted in the relevant variable description.

When using the files together, users should note is that there are variables of the same name in two different files in some cases. For some of these variables, this is by design so that the files can be linked together. Examples of this include *Case Number* and *Unit Number*. *Case Number* is used to link the Crash file, Unit file, and Person file. *Unit Number* is used to link the Unit file and

Person file. For other variables, duplicated variable names across files are because the same information has been collected twice. For example, *County* is recorded by the reporting officer in the Crash file. It is also a variable in the Roadway file. In these cases, the HSIS lab has compared across these variables and harmonized them to provide consistent information.

Requesting HSIS Data

Researchers can reference this guidebook to determine variables of interest for their particular research question. This section provides a fictious example research question to demonstrate how the variables can be requested and how the variables can be linked across the files.

A graduate student is interested in exploring signalized intersection crashes involving women in North Carolina. Specifically, they are interested in injury severity at different types of intersections and under different conditions. They are also interested in vehicle age as a surrogate for safety features of the vehicle. This is part one of their study. The graduate student anticipates that they will undertake a part two for the study where they may spatially combine the HSIS data with county-level socio-economic data to explore highway safety for women across the State.

The HSIS lab will work with the student to structure a data request that includes variables that will provide insight into the student's request questions, variables to link the relevant files together, and flexibility to add external data in part two of the study. The following is the structure of their request:

Roadway Variables

- Route ID (*linkable to the Route ID variable in the Crash file*).
- Roadway Class.
- Functional Class.
- Median Type.
- Median Width.
- Speed Limit.
- Number of Lanes – Total.
- County.

Traffic Signal Variables

- Signal Type.
- Latitude (*necessary for linking the traffic signals to other files in GIS*).
- Longitude (*necessary for linking the traffic signals to other files in GIS)*.

Crash Variables

- Route ID (*linkable to the Route ID variable in the Roadway file*).
- Milepost (*necessary for linking crashes to the Roadway file in GIS*).
- Case Number (*linkable to the Case Number variable in the Unit file*).
- Crash Date.
- Crash Severity.
- Alcohol/Drugs in Crash.
- First Harmful Event.
- Light Condition.
- Location Type – *The graduate student requests only the following location types:*
    - Four-way intersection (code 7).
    - T-Intersection (code 8).
    - Y-Intersection (code 9).
    - Five-Point, or more (code 11).
    - Related to intersection (code 12).
- Number of Vehicles + Pedestrian + Bike.
- Surface Condition.
- Traffic Control Type (for comparison value to the presence of a signal according to the Traffic Signal Inventory).

Unit Variables

- Case Number (*linkable to the Case Number variable in the Crash file*).
- Unit Number (*linkable to the Unit Number variable in the Person file*).
- Driver Restraint.
- Model Year of Vehicle.
- Physical Condition of Driver.
- Vehicle Type.

Person Variables

- Case Number (*linkable to the Case Number variable in the Crash file*).
- Unit Number (*linkable to the Unit Number variable in the Unit file*).
- Person Age.
- Person Number.
- Person Injury.
- Person Type.

The analyst does not request any information from the Interchange file, the Horizontal Curve file, or the Freeway Exit file. A few things to note about their request:

- There are several variables that are recorded in more than one file. The variable, *County*, is an example; it is in the Roadway file, the Traffic Signal file, and the Crash file.

Since the request involves all three files, the variable is only included once in the Roadway file.

- There are also variables in the student's request that record similar information. For example, the Crash file includes a variable, *Traffic Control Type* that may seem redundant with the Traffic Signal file variable that defined the request as only crashes at signalized intersections. However, these data represent different sources, such as the officer reporting the crash at the scene in the case of the Crash file, and internal NCDOT records in the case of the Traffic Signal file. The student could request both variables to confirm that the signal was operating as a signal at the time of the crash. For example, the signal may have been under human control or in flashing operation during a power outage or similar; the Crash file contains this information in the *Traffic Control Type* variable.
- When merging the files, the student should note that the Crash, Unit, Person, and Roadway files contain different numbers of observations or rows. The Crash file contains one observation per crash (e.g., a unique case number on each row), while the Unit file contains an observation for each vehicle involved in the crash. If more than one vehicle is involved in a crash, there will be more than one row associated with the same *Case Number*. Additionally, the Roadway file contains an observation or row for each road segment. Some segments may have multiple crashes associated with it while others may not have any.

Available Data

Table 1 provides a summary of all variables currently available in HSIS for the eight files. Attributes and fields have evolved since the introduction of North Carolina into the HSIS data system, and users should carefully consider these changes during the data collection research process.

Table 1. Summary of North Carolina HSIS Variables by Data File.

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
ACCESS	ACCESS CONTROL	Roadway
AADT	ANNUAL AVERAGE DAILY TRAFFIC	Roadway
BEGINMP	BEGIN MILEPOST	Roadway
COUNTY	COUNTY	Roadway
TRKROUTE	DESIGNATED TRUCK ROUTE	Roadway
DESIGNSPD	DESIGN SPEED	Roadway

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
ENDMP	ENDING MILEPOST	Roadway
FCLTYTYPE	FACILITY TYPE	Roadway
FUNCCLASS	FUNCTIONAL CLASS	Roadway
DIVISION	HIGHWAY DIVISION ROUTE	Roadway
LANEWIDTH	LANE WIDTH	Roadway
LFTPVDSHLDRWIDTH	LEFT PAVED SHOULDER WIDTH	Roadway
LFTSHLDRTYPE	LEFT SHOULDER TYPE	Roadway
LFTSHLDRWIDTH	LEFT SHOULDER WIDTH	Roadway
MEDIANTYPE	MEDIAN TYPE	Roadway
MEDIANWIDTH	MEDIAN WIDTH - TOTAL	Roadway
MUNPOPGROUP	MUNICIPAL POPULATION GROUP	Roadway
NHS	NATIONAL HIGHWAY SYSTEM	Roadway
THRULANECOUNT	NUMBER OF LANES- TOTAL	Roadway
POSTEDROUTE	POSTED ROUTES	Roadway
ROW	RIGHT OF ROW	Roadway
RTPVDSHLDRWIDTH	RIGHT PAVED SHOULDER WIDTH	Roadway
RTSHLDRTYPE	RIGHT SHOULDER TYPE	Roadway
RTSHLDRWIDTH	RIGHT SHOULDER WIDTH	Roadway
RODWYCLASS	ROADWAY CLASS	Roadway
ROUTEID	ROUTE ID	Roadway
ROUTENUMBER	ROUTE INVENTORIED	Roadway
ROUTENAME	ROUTE NAME	Roadway
ROUTECLASS	ROUTE TYPE	Roadway
URBANPOP	RURAL/URBAN DESIGNATED BY POPULATION	Roadway
URBANID	RURAL URBAN IDENTIFICATION	Roadway
MPLENGTH	SECTION LENGTH IN MILES	Roadway
SPEEDLIMIT	SPEED LIMIT	Roadway
STREETNAME	STREET NAME	Roadway
STRUCTURTYPE	STRUCTURE TYPE	Roadway
SRFCTYPE	SURFACE TYPE	Roadway
SRFCWIDTH	SURFACE WIDTH – TOTAL	Roadway
TERRAINTYPE	TERRAIN	Roadway
TOLLCHARGED	TOLL CHARGED	Roadway
MU_PCT	TOTAL PERCENT MULTI UNIT TRUCKS	Roadway
SU_PCT	TOTAL PERCENT SINGLE UNIT TRUCKS	Roadway
TOWNNAME	TOWN	Roadway
TRAVELDIRECTION	TRAVEL DIRECTION	Roadway

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
IMPRVTYPE	TYPE OF RECENT IMPROVEMENT	Roadway
ADDDATE	YEAR ADDED	Roadway
IMPRVTDATE	YEAR OF RECENT IMPROVEMENT	Roadway
CITY	CITY	Traffic Signal
COUNTY	COUNTY	Traffic Signal
LATITUDE	LATITUDE	Traffic Signal
LOCATION	LOCATION	Traffic Signal
LONGITUDE	LONGITUDE	Traffic Signal
SIGNAL	SIGNAL INVENTORY NUMBER	Traffic Signal
SIGNAL_SYS	SIGNAL SYSTEM NUMBER	Traffic Signal
FLASHER	SIGNAL TYPE	Traffic Signal
SYSTEM_DES	SYSTEM DESCRIPTION	Traffic Signal
SPCE_X	X VALUE OF GIS LOCATION	Traffic Signal
SPCE_Y	Y VALUE OF GIS LOCATION	Traffic Signal
COUNTY	COUNTY	Interchange
INTERCHANG	INTERCHANGE ID	Interchange
LOGICALNAM	INTERCHANGE NAME	Interchange
INTERCHANGE_TYPE	INTERCHANGE TYPE	Interchange
INTERCHANGE_SUBTYPE	INTERCHANGE TYPE NOTES	Interchange
MUNICIPALB	MUNICIPAL BOUNDARY	Interchange
SMOOTHURBA	URBAN AREA	Interchange
BEGINLAT	BEGIN LATITUDE	Horizontal Curve
BEGINLON	BEGIN LONGITUDE	Horizontal Curve
BEGINMP	BEGIN MILEPOST	Horizontal Curve
COUNTY	COUNTY	Horizontal Curve
CURVEID	CURVE ID	Horizontal Curve
DEGREE	DEGREE OF CURVE	Horizontal Curve
ENDLAT	END LATITUDE	Horizontal Curve
ENDLON	END LONGITUDE	Horizontal Curve
ENDMP	END MILEPOST	Horizontal Curve
LENGTHFT	LENGTH	Horizontal Curve
RADIUSFT	RADIUS	Horizontal Curve
ROUTEID	ROUTE ID	Horizontal Curve
ROUTENAME	ROUTE NAME	Horizontal Curve
EXITNAME	EXIT NAME	Freeway Exit
EXITNUMBER	EXIT NUMBER	Freeway Exit
MEASURE	MILEPOST	Freeway Exit

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
ROUTEID	ROUTE ID	Freeway Exit
ACCESS	ACCESS CONTROL	Crash
ALCFLAG	ALCOHOL/DRUGS IN CRASH	Crash
BIKEFLAG	BICYCLE FLAG	Crash
CASENO	CASE NUMBER	Crash
CITY	CITY	Crash
CTY_POP	CITY POPULATION	Crash
COUNTY	COUNTY	Crash
CRASH_DATE	CRASH DATE	Crash
SEVERITY	CRASH SEVERITY	Crash
DEVELOP	DEVELOPMENT AMOUNT	Crash
TO_DIR	DIRECTION TOWARD 'TO_RD'	Crash
REFDISFT	DISTANCE FROM 'FRM_RD' IN FEET	Crash
REFDISMI	DISTANCE FROM 'FRM_RD' IN MILES	Crash
ACCTYPE	FIRST HARMFUL EVENT	Crash
FRM_RD	FROM ROAD	Crash
FRMRD_CL	FROM ROAD CLASS	Crash
LIGHT	LIGHT CONDITION	Crash
LOCALITY	LOCALITY	Crash
LOC_TYPE	LOCATION TYPE	Crash
MILEPOST	MILEPOST	Crash
MOSTHARM	MOST HARMFUL EVENT	Crash
NONMTCNT	NON-MOTORIST COUNT	Crash
NON_REP	NON-REPORTABLE	Crash
NBR_LANE	NUMBER OF LANES (CRASH REPORT)	Crash
NUM_UNIT	NUMBER OF VEHICLE + PEDESTRIAN + BIKE	Crash
PEDFLAG	PEDESTRIAN FLAG	Crash
RRX_NUM	RAILROAD CROSSING NUMBER	Crash
RMP_SVRD	RAMP OR SERVICE ROAD	Crash
REL_RD	RELATION TO ROADWAY	Crash
REPORT	REPORTABLE STATUS	Crash
RD_CHAR	ROAD CHARACTER	Crash
RODWYCLASS	ROADWAY CLASS	Crash
RD_CONF	ROAD CONFIGURATION	Crash
RD_PAVE	ROAD SURFACE TYPE	Crash
ROADCONT1	ROADWAY CONTRIBUTING CIRCUMSTANCE 1	Crash
ROADCONT2	ROADWAY CONTRIBUTING CIRCUMSTANCE 2	Crash

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
ROUTEID	ROUTE ID	Crash
RTE_NBR	ROUTE NUMBER	Crash
RURURB	RURAL-URBAN IDENTIFICATION	Crash
RDSURF	SURFACE CONDITION	Crash
TIME	TIME OF DAY (24 HOUR)	Crash
TO_RD	TOWARD ROAD	Crash
TORD_CL	TOWARD ROAD CLASS	Crash
PROPDAM	TOTAL PROPERTY DAMAGE	Crash
TRF_OPER	TRAFFIC CONTROL OPERATING	Crash
TRF_CNTL	TRAFFIC CONTROL TYPE	Crash
WEATHER1	WEATHER CONDITION 1	Crash
WEATHER2	WEATHER CONDITION 2	Crash
WETHCONT	WEATHER CONTRIBUTED TO ACCIDENT	Crash
WZ_ACT	WORK ZONE ACTIVITY	Crash
WZ_AREA	WORK ZONE AREA	Crash
WZ_LOC	WORK ZONE CRASH LOCATION	Crash
WORKZONE	WORK ZONE MARKED	Crash
HAZ_NUM1	1 DIGIT HAZMAT NUMBER BOTTOM PLACARD	Unit
HAZ_NUM4	4 DIGIT HAZMAT NUMBER BOTTOM PLACARD	Unit
ALCFLAG	ALCOHOL FLAG	Unit
AMTDAMG	AMOUNT DAMAGE TO VEHICLE	Unit
BIKEFLAG	BICYCLE FLAG	Unit
BODY	CARGO BODY TYPE	Unit
INFO_SRC_IND	CARGO CARRIER INFORMATION	Unit
CASENO	CASE NUMBER	Unit
CDL_IND	CDL INDICATOR	Unit
SOB_TEST	CHEMICAL TEST GIVEN	Unit
CCB_STAT	COMMERCIAL CARRIER BUSINESS STATE	Unit
CC_CITY	COMMERCIAL CARRIER CITY	Unit
GVWR_WGT	COMMERCIAL CARRIER GROSS VEHCILE WEIGHT	Unit
AXLE_NBR	COMMERCIAL CARRIER NUMBER OF AXELS	Unit
CC_ZIP	COMMERCIAL CARRIER ZIP CODE	Unit
PEDCONT1	CONTIBUTING CIRCUMSTANCES, NON-MOTORIST 1	Unit
PEDCONT2	CONTRIBUTING CIRCUMSTANCES, NON-MOTORIST 2	Unit
DIR_TRVL	DIRECT TRAVEL ON ROUTE	Unit

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
RD2OBJST	DISTANCE TO OBJECT STRUCK	Unit
IMPACTFT	DISTANCE TRAVEL AFTER IMPACT	Unit
DRG_SUSP	DRIVER ALCOHOL/DRUG SUSPECTED	Unit
DRG_RES	DRIVER ALCOHOL/DRUG TEST RESULT	Unit
DRV_BAC	DRIVER BLOOD ALCOHOL PERCENTAGE	Unit
DRV_CITY	DRIVER CITY	Unit
LIC_IND	DRIVER LICENSE INDICATOR	Unit
DRV_AGE	DRIVER/PEDESTRIAN AGE	Unit
DRV_INJ	DRIVER/PEDESTRIAN INJURY	Unit
DRV_RACE	DRIVER/PEDESTRIAN RACE	Unit
DRV_SEAT	DRIVER/PEDESTRIAN SEAT POSITION	Unit
DRV_SEX	DRIVER/PEDESTRIAN SEX	Unit
DRV_REST	DRIVER RESTRAINT	Unit
DRV_ZIP	DRIVER ZIP CODE	Unit
EMERGUSE	EMERGENCY VEHICLE USE	Unit
TRVL_SPD	ESTIMATED ORIGINAL SPEED	Unit
GOV_OWN	GOVERNMENT OWNED VEHICLE INDICATOR	Unit
HAZMAT	HAZARDOUS CARGO	Unit
IMPACTSP	IMPACT SPEED	Unit
PARK_VEH	INDICATOR OF PARKED VEHICLE	Unit
INSURED	INSURANCE INDICATOR	Unit
LENGTRL	LENGTH OF TRAILER #1 IN FEET	Unit
LENGTRL2	LENGTH OF TRAINER #2 FEET	Unit
LIC_STAT	LICENSE STATE	Unit
VEHYR	MODEL YEAR OF VEHICLE	Unit
MOSTHARM	MOST HARMFUL EVENT	Unit
PEDACT	NON-MOTORIST ACTION	Unit
PED_LOC	NON-MOTORIST LOCATION PRIOR TO CRASH	Unit
AXLES	NUMBER OF AXLES FOR TRL #1	Unit
AXLES2	NUMBER OF AXLES FOR TRL #2	Unit
ON_RD	ON ROAD	Unit
ONRD_CL	ON ROAD CLASS	Unit
PEDFLAG	PEDESTRIAN FLAG	Unit
PHYSCOND	PHYSICAL CONDITION OF DRIVER	Unit
PTCONT1	POINT OF CONTACT #1	Unit
PTCONT2	POINT OF CONTACT #2	Unit
PTCONT3	POINT OF CONTACT #3	Unit

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
PTCONT4	POINT OF CONTACT #4	Unit
PTCONT5	POINT OF CONTACT #5	Unit
FIRE	POST-CRASH FIRE	Unit
SPDLIM	POSTED SPEED LIMIT	Unit
LICRESTR	RESTRICTION ON DRIVER LICENSE	Unit
SCH_BUS1	SCHOOL BUS CONTACT VEHICLE	Unit
SCH_BUS2	SCHOOL BUS NON-CONTACT VEHICLE	Unit
EVENT1	SEQUENCE OF EVENTS 1	Unit
EVENT2	SEQUENCE OF EVENTS 2	Unit
EVENT3	SEQUENCE OF EVENTS 3	Unit
EVENT4	SEQUENCE OF EVENTS 4	Unit
V_DAMAGE	TAD #1 (AREA OF DAMAGE) LOCATION	Unit
V_DAMAGE2	TAD #2 LOCATION	Unit
V_DAMAGE3	TAD #3 LOCATION	Unit
DAMSEV	TAD #1 SEVERITY	Unit
DAMSEV2	TAD #2 SEVERITY	Unit
DAMSEV3	TAD #3 SEVERITY	Unit
TIRESKID	TIRE IMPRESSIONS IN FEET	Unit
OCPNT_CNT	TOTAL OCCUPANTS IN VEHICLE	Unit
TRL_TYPE	TRAILER TYPE	Unit
UNIT_NBR	UNIT NUMBER	Unit
UNIT_TYP	UNIT TYPE	Unit
VEH_DEF	VEHICLE DEFECTS	Unit
DRIVABLE	VEHICLE DRIVABLE	Unit
MAKENAME	VEHICLE MAKE	Unit
MANEUVER	VEHICLE MANEUVER/PEDESTRIAN ACTION	Unit
OWN_CITY	VEHICLE OWNER CITY	Unit
OWN_ZIP	VEHICLE OWNER ZIP CODE	Unit
VEH_SEIZ	VEHICLE SEIZURE DWI	Unit
VEHTYPE	VEHICLE TYPE	Unit
UNDEROVR	VEHICLE UNDERRIDE/OVERRIDE	Unit
CONTRIB1	VIOLATING/CONTRIBUTING FACTOR #1	Unit
CONTRIB2	VIOLATING/CONTRIBUTING FACTOR #2	Unit
CONTRIB3	VIOLATING/CONTRIBUTING FACTOR #3	Unit
VISION	VISION OBSTRUCTION	Unit
WIDTRL	WIDTH OF TRAILER #1	Unit
WIDTRL2	WIDTH OF TRAILER #2	Unit

VARIABLE NAME	VARIABLE DESCRIPTION	DATA FILE
AIRDEPL	AIRBAG DEPOLYED	Person
AIR_SW	AIRBAG SWITCH STATUS	Person
CASENO	CASE NUMBER	Person
EJECT	EJECTION	Person
EMS_DES	EMERGENCY MEDICAL SERVICE	Person
RACE	OCCUPANT RACE	Person
REST1	OCCUPANT RESTRAINT	Person
SEX	OCCUPANT SEX	Person
AGE	PERSON AGE	Person
PRSN_CTY	PERSON CITY	Person
INJ	PERSON INJURY	Person
PRSN_NBR	PERSON NUMBER	Person
PRSN_TYP	PERSON TYPE	Person
PRSN_ZIP	PERSON ZIP CODE	Person
SEATPOS	SEATING POSITION	Person
TRAPPED	TRAPPED	Person
TRT_FAC	TREATMENT FACILITY NAME	Person
TRTMT_CITY_ADR	TREATMENT CITY NAME	Person
UNT_NBR	UNIT NUMBER	Person

Roadway File

Access Control

Variable Name: ACCESS

Definition: Indicates some degree of control of through movements to a road. Null indicates that the road does not have any degree of access control (e.g., Partial).

Field Type: Text.

'Null'	The road does not have any degree of access control.
'Partial'	The road has partial access control.
'Full'	The road has full access control.

Variable History
ACCESS: 2018 – Present
ACCESS: 1990 – 2017 – See historic code books for slightly different coding.

Annual Average Daily Traffic

Variable Name: AADT

Definition: AADT (e.g., 3400).

Field Type: Numeric.

Variable History
AADT: 2018 – Present
AADT_YEAR: 2002 – 2010
AADT: 1990 – 2001

Begin Milepost

Variable Name: BEGINMP

Definition: The beginning milepost for route at that point on the segment (e.g., 0.099679).

Field Type: Numeric.

Variable History
BEGINMP: 2018 – Present
BEGMP: 1990 – 2017

County

Variable Name: COUNTY

Definition: The county that the segment is physically located in.

Roadway File

Field Type: Coded.

‘1’	Alamance	‘42’	Halifax
‘2’	Alexander	‘43’	Harnett
‘3’	Allegheny	‘44’	Haywood
‘4’	Anson	‘45’	Henderson
‘5’	Ashe	‘46’	Hertford
‘6’	Avery	‘47’	Hoke
‘7’	Beaufort	‘48’	Hyde
‘8’	Bertie	‘49’	Iredell
‘9’	Bladen	‘50’	Jackson
‘10’	Brunswick	‘51’	Johnston
‘11’	Buncombe	‘52’	Jones
‘12’	Burke	‘53’	Lee
‘13’	Carrabus	‘54’	Lenoir
‘14’	Caldwell	‘55’	Lincoln
‘15’	Camden	‘56’	Macon
‘16’	Carteret	‘57’	Madison
‘17’	Caswell	‘58’	Martin
‘18’	Catawba	‘59’	McDowell
‘19’	Chatham	‘60’	Mecklenburg
‘20’	Cherokee	‘61’	Mitchell
‘21’	Chowan	‘62’	Montgomery
‘22’	Clay	‘63’	Moore
‘23’	Cleveland	‘64’	Nash
‘24’	Columbus	‘65’	New Hanover
‘25’	Craven	‘66’	Northampton
‘26’	Cumberland	‘67’	Onslow
‘27’	Currituck	‘68’	Orange
‘28’	Dare	‘69’	Pamlico
‘29’	Davidson	‘70’	Pasquotank
‘30’	Davie	‘71’	Pender
‘31’	Duplin	‘72’	Perquimans
‘32’	Durham	‘73’	Person
‘33’	Edgecombe	‘74’	Pitt
‘34’	Forsyth	‘75’	Polk
‘35’	Franklin	‘76’	Randolph
‘36’	Gaston	‘77’	Richmond
‘37’	Gates	‘78’	Robeson
‘38’	Graham	‘79’	Rockingham
‘39’	Granville	‘80’	Rowan
‘40’	Greene	‘81’	Rutherford
‘41’	Guilford	‘82’	Sampson

'83'	Scotland	'92'	Wake
'84'	Stanly	'93'	Warren
'85'	Stokes	'94'	Washington
'86'	Surry	'95'	Watauga
'87'	Swain	'96'	Wayne
'88'	Transylvania	'97'	Wilkes
'89'	Tyrell	'98'	Wilson
'90'	Union	'99'	Yadkin
'91'	Vance	'100'	Yancey

Variable History
COUNTY: 2018 – Present
COUNTY: 1990 – 2017 – See historic code books for slightly different coding.

Designated Truck Route

Variable Name: TRKROUTE

Definition: Internal and federally-designated truck routes.

Field Type: Coded.

'2'	Parkway – Trucks/Commercial Vehicle Prohibited (Parkway – trucks and commercial vehicles prohibited)
'3'	Not a Parkway – Trucks/Commercial Vehicles Prohibited during specific periods; not a designated Truck Route (Not a parkway – trucks and commercial vehicles prohibited during specific times)
'4'	Not a Parkway – Trucks/Commercial Vehicles Prohibited (Not a parkway – trucks and commercial vehicles prohibited)
'5'	Designated Truck Route (National network [federally approved])

Variable History
TRKROUTE: 2018 – Present
TRK_RTE: 1990 – 2017

Design Speed

Variable Name: DESIGNSPD

Definition: A selected speed used to determine the various geometric features of the roadway, in miles per hour (e.g., 70).

Field Type: Numeric.

Variable History
DESIGNSPD: 2018 – Present

Ending Milepost

Variable Name: ENDMP

Definition: The ending milepost for route at that point on the segment (e.g., 0.977702).

Field Type: Numeric.

Variable History
ENDMP: 2018 – Present

Facility Type

Variable Name: FCLTYTYPE

Definition: The operational characteristics of the roadway.

Field Type: Coded.

'One Way'	One-Way Roadway
'Couplet'	Couplet
'GS Ramp'	Grade-Separated Ramp
'Non-Main'	Non-Mainline
'Public Facility'	Public Facility
'Miscellaneous'	Miscellaneous
'Non-GS Ramp'	Non-Grade-Separated Ramp

Variable History
FCLTYTYPE: 2018 – Present

Functional Class

Variable Name: FUNCCLASS

Definition: A classification system of roads based on the character of traffic service that they are intended to provide. Approval of changes is done by FHWA and is managed by the Program Development Branch at NCDOT.

Field Type: Coded.

'1'	Interstate
'2'	PA-FrwyExp (Principal Arterial – Other Freeways and Expressways)
'3'	PA-Other (Principal Arterial – Other)

'4'	Minor Arterial
'5'	Major Collector
'6'	Minor Collector
'7'	Local

Variable History
FUNCCLASS: 2018 – Present
FUNC_CLS: 1990 – 2017 – See historical code books for different coding.

Highway Division Route

Variable Name: DIVISION

Definition: The NCDOT Division number (1 through 14) for each route segment (e.g., 14).

Field Type: Numeric.

Variable History
DIVISION: 2017 – Present
DIV: 2009 – 2016 – Variable discontinued
DIV: 1990 – 2008

Lane Width

Variable Name: LANEWIDTH

Definition: Width on 1 travel lane on the section in feet (e.g., 12).

Field Type: Numeric.

Variable History
LANEWIDTH: 2018 – Present

Left Paved Shoulder Width

Variable Name: LFTPVDSHLDRWIDTH

Definition: The total paved width of the left shoulder in feet (e.g., 4).

Field Type: Numeric.

Variable History
LFTPVDSHLDRWIDTH: 2018 – Present
PAVED_LSHLDWID: 2009 – 2017 – See historical code books for different coding.

Left Shoulder Type

Variable Name: LFTSHLDRTYPE

Definition: The surface type of the left shoulder (e.g., Bitum).

Field Type: Text.

'Curb-Con'	Curb – Concrete
'Curb-Bit'	Curb – Bituminous
'Concrete'	Concrete
'Bitum'	Bituminous
'Gravel'	Gravel Or Stone
'Grass'	Grass Or Sod

Variable History
LFTSHLDRTYPE: 2018 – Present
LFTSHLDRTYPE: 2017 – 2017 – See historical code books for different coding.
LSHL_TYP: 1990 – 2017 – Not present in 2015 data.

Left Shoulder Width

Variable Name: LFTSHLDRWIDTH

Definition: The total width of the left shoulder in feet (e.g., 10).

Additional Information: If the Left Shoulder Width is greater than the Left Paved Shoulder Width, then it indicates that a combination shoulder is present, such as bituminous and grass.

Field Type: Numeric.

Variable History
LFTSHLDRWIDTH: 2018 – Present – Code change from categorical to numeric.
LSHL_TYP: 1990 – 2017

Median Type

Variable Name: MEDIANTYPE

Definition: The type of median present (e.g., Grass).

Additional Information: No data indicates that there is no median present and that the road is not divided. Roads with a median length of at least 200 ft are represented as separate lines (dual carriageway). Medians that are at least two feet wide are coded in this field, regardless of whether the road is represented as a single line or a pair. Where multiple medians are present, the type that prohibits the most movement of vehicles is coded (for example a grass median with a cable guardrail is coded as a flexible positive barrier).

Field Type: Coded.

'RPB'	Rigid Positive Barrier (Includes Jersey barriers)
'SRPB'	Semi-Rigid Positive Barrier (A raised median with a sloped edge)
'FPB'	Flexible Positive Barrier
'PM'	Paved Mountable
'Curb'	Curb (This code is used for legacy data; eventually unspecified positive barriers will be coded as semi-rigid, rigid, or flexible positive barriers)
'Grass'	Grass (Includes cable guardrail)
'Striped'	Striped (painted pavement)

Variable History
MEDIANTYPE: 2018 – Present – Code change from categorical to numeric.
MED_TYPE: 1990 – 2017

Median Width –Total

Variable Name: MEDIANWIDTH

Definition: The width of median in feet (e.g., 13).

Additional Information: On roads represented as two separate lines (divided), one-half of the median width is stored on each segment. If the road is represented as a single line but has a median (typically because the median length is less than 200 feet), the entire median width is stored on the segment. Negative numbers should be ignored. Median Widths do not contain turn lanes.

Field Type: Numeric.

Variable History
MEDIANWIDTH: 2018 – Present – Code change from categorical to numeric.
MEDWID: 1990 – 2017

Municipal Population Group

Variable Name: MUNPOPGROUP

Definition: Population categories based on the municipality that the segment is located within.

Field Type: Coded.

'1'	Under 1,000 Population (Municipality population is under 1,000)
'2'	1,000 to 2,499 (Municipality population is between 1,000 and 2,500)
'3'	2,500 to 4,999 (Municipality population is between 2,500 and 5,000)

'4'	5,000 to 9,999 (Municipality population is between 5,000 and 10,000)
'5'	10,000 to 24,999 (Municipality population is between 10,000 and 25,000)
'6'	25,000 to 49,999 (Municipality population is between 25,000 and 50,000)
'7'	50,000 to 99,999 (Municipality population is between 50,000 and 100,000)
'8'	100,000 and Over (Municipality population is over 100,000)

Variable History
MUNPOPGROUP: 2018 – Present
POP_GRP: 1990 – 2017

National Highway System

Variable Name: NHS

Definition: A network of nationally significant highways approved by Congress in the National Highway System Designation Act of 1995. New routes can also be added to the National Highway System (NHS). No data indicates that the segment is not part of the NHS. All routes on the NHS are eligible for federal aid.

Field Type: Coded.

'1'	Is on the NHS (Section is on the NHS)
'2'	Major Airport (NHS Connector – Major Airport)
'3'	Major Port Facility (NHS Connector – Major Port Facility)
'4'	Major Amtrak Station (NHS Connector – Major Amtrak Station)
'5'	Major Rail/Truck Terminal (NHS Connector – Major Rail/Truck Terminal)
'6'	Major Inter-city Bus Terminal (NHS Connector – Major Intercity Bus Terminal)
'7'	Major Public Transit Terminal/Multi-modal Passenger Terminal (NHS Connector – Major Public Transit Terminal)
'8'	Major Pipeline Terminal (NHS Connector – Major Pipeline Terminal)
'9'	Major Ferry Terminal (NHS Connector – Major Ferry Terminal)
'11'	Congressional High Priority Corridor (Congressional High Priority Corridors)
'21'	MAP-21 (MAP-21)

Variable History
NHS: 2018 – Present
NHS: 1993 – 2017 – See historical code books for different coding.

Number of Lanes – Total*

Variable Name: THRULANECOUNT

Definition: The number of through lanes (e.g., 2).

Additional Information: This represents the through lanes, does not include ancillary lanes used for turning movements and ramps. On divided roads, the value is the total number of through lanes on both sides.

Field Type: Numeric.

Variable History
THRULANECOUNT: 2018 – Present – Code changed from categorical to numeric.
NO_LANES: 1993 – 2017

Posted Routes

Variable Name: POSTEDROUTE

Definition: A system of designated secondary routes where truck traffic with axle weights exceeding 13,000 pounds is prohibited by ordinance. The value is the ordinance number; any value present indicates that the segment is part of the Posted Route system (e.g., 98-017).

Additional Information: "<Null>" indicates no data available.

Field Type: Text.

Variable History
POSTEDROUTE: 2018 – Present
PSTD_RTE_C: 2011 – 2017

Right of Way

Variable Name: ROW

Definition: The width of the right of way of the road in feet (e.g., 100).

Additional Information: Right of Way can vary continuously along the road. The data has been generalized in areas of widely varying Right of Way to represent significant changes.

Field Type: Numeric.

Variable History
ROW: 1990 – Present

* Variable created by HSIS Lab

Right Paved Shoulder Width

Variable Name: RTPVDSHLDRWIDTH

Definition: The paved width of the right shoulder in feet (e.g., 10).

Field Type: Numeric.

Variable History
RTPVDSHLDRWIDTH: 2018 – Present
PAVED_RSHLDWID: 2009 – 2017

Right Shoulder Type

Variable Name: RTSHLDRTYPE

Definition: The surface type of the right shoulder.

Additional Information: On combination shoulders, the highest code present is used. For example, a shoulder that is bituminous and gravel would be coded as bituminous. On divided roads, this refers to the outside shoulder; on undivided roads it is the shoulder on the right side when facing inventory direction (the line segment direction).

Field Type: Coded.

'Curb-Con'	Curb-Concrete
'Curb-Bit'	Curb-Bituminous
'Concrete'	Concrete
'Bituminous'	Bituminous
'Gravel'	Gravel or Stone
'Grass'	Grass or Sod

Variable History
RTSHLDRTYPE: 2018 – Present – Code change from categorical to numeric.
RSHL_TYP: 2009 – 2017

Right Shoulder Width

Variable Name: RTSHLDRWIDTH

Definition: The total width of the right shoulder in feet (e.g., 10).

Additional Information: If the Right Shoulder Width is greater than the Right Paved Shoulder Width, then it indicates that a combination shoulder is present, such as bituminous and grass.

Field Type: Numeric.

Variable History

RTSHLDRWIDTH: 2018 – Present – Code change from categorical to numeric.
RSHLDWID: 2009 – 2017

Roadway Class*

Variable Name: RODWYCLASS

Definition: Roadway Class. This variable is developed by the HSIS Laboratory for the purposes of readily classifying roadway data. This variable is a combination of the *Number of Lanes*, *Rural Urban Identification*, *Median Type*, and *Functional Class* variables.

Field Type: Text.

Values:

Urban Freeways
Urban Freeways Less than 4 Lanes
Urban 2 Lane Roads
Urban Multilane Divided Non-Freeway
Urban Multilane Undivided Non-Freeway
Rural Freeways
Rural Freeways Less than 4 Lanes
Rural 2-Lane Roads
Rural Multilane Divided Non-Freeway
Rural Multilane Undivided Non-Freeway
Others

Variable History
RODWYCLASS: 2018 – Present – Code change from categorical (by number) to text.
RODWYCLS: 2009 – 2017 – Variable not present in 2016 or 2017 data.

* Variable created by HSIS Lab

Route ID

Variable Name: ROUTEID

Definition: Primary route and linking variable within the NCDOT linear referencing system (LRS). The 11-digit route number is a route naming convention used by NCDOT. It can be used to reference milepost locations along a route. Each digit has a different meaning. The last three digits of the route number are the SAP county code. The county code starts at 001 for Alamance County and ends with 100 for Yancey County (e.g., 19400085029).

Field Type: Text.

Variable History
ROUTEID: 2018 – Present
CNTYRTE: 1990 – 2017

Route Inventoried

Variable Name: ROUTENUMBER

Definition: The NCDOT route number for the dominant route (e.g., 85).

Field Type: Numeric.

Variable History
ROUTENUMBER: 2018 – Present

Route Name

Variable Name: ROUTENAME

Definition: The NCDOT name of the dominant route. It is a concatenation of an abbreviation of Route Class, Route Number, and if relevant, Route Qualifier (e.g., NC-66 or US-74 BUS).

Field Type: Text.

Variable History
ROUTENAME: 2018 – Present

Route Type

Variable Name: ROUTECLASS

Definition: The NCDOT route class code for dominant route. The route class drives the first digit of the Route ID. This refers to an ‘8’ for the codes ’80,’ ’81,’ and ’89’ (i.e., all codes that begin with an ‘8’ refer to a ramp segment).

Field Type: Coded.

'1'	Interstate (I) (State-maintained)
'2'	US Route (US) (State-maintained)
'3'	NC Route (NC) (State-maintained)
'4'	Secondary Route (SR) (State-maintained)
'5'	Non-System (NS) (Not State maintained)
'6'	Other State Agency Route (SA) (Federal-aid roads maintained by other State agencies)
'7'	Federal Route (FED) (Federal-aid roads maintained by Federal agencies)
'80'	Ramp (RMP) (Typically State-maintained but not counted towards State-maintained mileage)
'81'	Rest Areas (RST) (Typically State-maintained but not counted towards State-maintained mileage)
'89'	Non-Mainline (NML) (Typically State-maintained but not counted towards State-maintained mileage)
'9'	Projected (PRJ) (Generalized locations of major facilities that have not yet been built)

Variable History

ROUTECLASS: 2018 – Present – Code change (categories added)

RTE_TYPE: 1990 – 2017

Rural/Urban Designated by Population

Variable Name: URBANPOP

Definition: Population based on the Urban Area that the segment is located within.

Field Type: Coded.

'1'	< 2,500 (Rural)
'2'	2,500 to 4,999 (Reserved for future use; the minimum population of a small urban boundary is 5,000)
'3'	5,000 to 24,999 (Urban population between 5,000 and 25,000)
'4'	25,000 to 49,999 (Urban population between 25,000 and 50,000)
'5'	50,000 to 99,999 (Urbanized population between 50,000 and 99,000)
'6'	100,000 to 199,999 (Urbanized population between 100,000 and 200,000)
'7'	>200,000 (Urbanized population greater than 200,000)

Variable History

URBANPOP: 2018 – Present

URB_POP: 1990 – 2017

Rural Urban Identification

Variable Name: URBANID

Definition: The designated code of the Urban Area that the segment is location within.

Field Type: Coded.

'658'	Ahoskie, NC
'982'	Albemarle, NC
'2965'	Archer Lodge—Clayton, NC
'3331'	Asheboro, NC
'3358'	Asheville, NC
'7003'	Benson, NC
'7824'	Biscoe, NC
'8749'	Boiling Spring Lakes, NC
'8758'	Boiling Springs, NC
'9055'	Boone, NC
'10027'	Brevard, NC
'11415'	Buies Creek, NC
'11566'	Burgaw, NC
'11728'	Burlington, NC
'12025'	Butner, NC
'15670'	Charlotte, NC--SC
'16075'	Cherryville, NC
'17992'	Clinton, NC
'19558'	Concord, NC
'21664'	Cullowhee, NC
'22253'	Danville, VA--NC
'25039'	Dunn, NC
'25228'	Durham, NC
'26092'	Eden, NC
'26119'	Edenton, NC
'26686'	Elizabeth City, NC
'26713'	Elizabethtown, NC
'26848'	Elkin, NC
'27592'	Enfield, NC
'28782'	Fairfield Harbour, NC
'28860'	Fairmont, NC
'29305'	Farmville, NC
'29440'	Fayetteville, NC

‘29510’	Fearrington Village, NC
‘30331’	Forest City, NC
‘31384’	Franklin, NC
‘32653’	Gastonia, NC--SC
‘33814’	Goldsboro, NC
‘35164’	Greensboro, NC
‘35380’	Greenville, NC
‘35690’	Grifton, NC
‘36585’	Hampstead, NC
‘37675’	Havelock, NC
‘38269’	Henderson, NC
‘38647’	Hickory, NC
‘38809’	High Point, NC
‘39349’	Holden Beach, NC
‘42400’	Jacksonville, NC
‘42870’	Jefferson, NC
‘44965’	Kill Devil Hills, NC
‘45397’	Kinston, NC
‘46315’	La Grange, NC
‘46927’	Lake Norman of Catawba, NC
‘47665’	Landrum, SC--NC
‘48178’	Laurinburg, NC
‘49798’	Lillington, NC
‘49987’	Lincolnton, NC
‘50813’	Locust, NC
‘51634’	Louisburg, NC
‘52066’	Lumberton, NC
‘53443’	Maiden, NC
‘54199’	Manteo, NC
‘54631’	Marion, NC
‘55792’	Mayodan, NC
‘57979’	Mocksville, NC
‘59194’	Morehead City, NC
‘59815’	Mount Airy, NC--VA
‘60031’	Mount Olive, NC
‘60706’	Murfreesboro, NC
‘60895’	Myrtle Beach--Socastee, SC--NC
‘61840’	New Bern, NC

‘63946’	North Wilkesboro--Wilkesboro, NC
‘64459’	Oak Island, NC
‘66592’	Oxford, NC
‘68401’	Pembroke, NC
‘69517’	Pinehurst--Southern Pines, NC
‘69632’	Pittsboro, NC
‘70345’	Plymouth, NC
‘73261’	Raleigh, NC
‘73300’	Ramseur, NC
‘73936’	Red Springs, NC
‘74152’	Reidsville, NC
‘74601’	Richlands South, NC
‘75448’	Roanoke Rapids, NC
‘75772’	Rockingham--Hamlet, NC
‘75988’	Rocky Mount, NC
‘76501’	Roxboro, NC
‘77618’	St. James, NC
‘78877’	Sanford, NC
‘80695’	Seven Lakes, NC
‘81199’	Shelby, NC
‘81955’	Siler City, NC
‘82522’	Smithfield, NC
‘82665’	Sneads Ferry, NC
‘83818’	Spout Springs, NC
‘84155’	Spruce Pine, NC
‘86024’	Swansboro, NC
‘86315’	Tabor City, NC--SC
‘86707’	Tarboro, NC
‘86761’	Taylorsville, NC
‘88597’	Troy, NC
‘91108’	Wadesboro, NC
‘91378’	Wallace, NC
‘92053’	Warsaw, NC
‘92404’	Washington, NC
‘93880’	Wendell—Zebulon, NC
‘94739’	Whispering Pines, NC
‘94996’	Whiteville, NC
‘95509’	Williamston, NC

'95833'	Wilmington, NC
'95914'	Wilson, NC
'96278'	Windsor, NC
'96670'	Winston-Salem, NC
'97480'	Yadkinville, NC

Variable History
URBANID: 2018 – Present
RULURBID: 1992 – 2017

Section Length in Miles

Variable Name: MPLENGTH

Definition: The length of the segment in miles, calculated by the ending milepost minus the beginning milepost. The milepost values are based on 3D measures generated from LiDAR data (e.g., 0.35).

Field Type: Numeric.

Variable History
MPLENGTH: 2018 – Present
SEG_LNG: 2009 – 2017

Speed Limit

Variable Name: SPEEDLIMIT

Definition: The posted speed limit in miles per hour (e.g., 55).

Additional Information: This data comes from traffic ordinances governing speed limit; where there is no ordinance, the speed limit is 35 within municipalities and 55 outside.

Field Type: Numeric.

Variable History
SPEEDLIMIT: 2018 – Present
SPD_LIMT: 1990 – 2017

Roadway File

Street Name

Variable Name: STREETNAME

Definition: The common name of the street (e.g., 'Main Street').

Field Type: Text.

Variable History
STREETNAME: 2018 – Present
STREET_NAM: 2009 – 2017

Structure Type

Variable Name: STRUCTURTYPE

Definition: A structure (bridge, tunnel, or causeway) is present.

Additional Information: NCDOT discontinued this field after 2019.

Field Type: Coded.

'Bridge'	Bridge (Bridges and pipes greater than 20 feet)
'Tunnel'	Tunnel
'Causeway'	Causeway

Variable History
STRUCTURTYPE: 2018 – 2019

Surface Type

Variable Name: SRFCTYPE

Definition: The surface type of the segment.

Field Type: Coded.

'Unpaved'	Unpaved
'Bitum'	Bituminous
'JPCP'	JPCP
'CRCP'	CRCP (Continuously reinforced concrete pavement jointed plain concrete pavement)
'AC_AC'	AC overlay on AC (Asphalt-concrete [AC] overlay over existing AC pavement)
'AC_JCP'	AC overlay on JCP (AC overlay over existing jointed concrete pavement)
'AC_CRCP'	AC overlay on CRCP (Bituminous overlay over existing CRCP)
'UJC_PCC'	Unbonded JC Overlay on PCC (Unbonded jointed concrete overlay on PCC pavement)

'BPCC_PCC'	Bonded PCC Overlay on PCC (Bonded PCC overlay on PCC pavement)
'Other'	Other (includes bridge decks, whitetopping, brick, etc.)

Variable History
SRFCTYPE: 2018 – Present
SURF_TYP: 1990 – 2017 – See historical code books for different coding.

Surface Width – Total

Variable Name: SRFCWIDTH

Definition: The paved surface width in feet, or the road width from ditch to ditch on unpaved roads (e.g., 24).

Additional Information: The Surface Width does not include the median width. On divided roads, it is the paved width on that side of the median. On paved roads, the Surface Width is edge of pavement to edge of pavement (includes paved shoulders).

Field Type: Numeric.

Variable History
SRFCWIDTH: 2018 – Present
SURF_WID: 1990 – 2017

Terrain

Variable Name: TERRAINTYPE

Definition: Generalized terrain classification.

Field Type: Coded.

'1'	Level
'2'	Rolling
'3'	Mountainous

Variable History
TERRAINTYPE: 2018 – Present
TERRAIN: 1990 – 2017

Toll Charged

Variable Name: TOLLCHARGED

Definition: The travel direction, if any, that a toll is charged.

Field Type: Coded.

'OneDir'	One direction (toll is charged in one direction only)
'BothDir'	Both directions (toll is charged in both directions)
'None'	No Toll Charged (no toll is charged on the toll road)

Variable History
TOLLCHARGED: 2018 – Present
TOLL_DIRECTION: 2014 – 2017 – Variable discontinued
TOLL_DIRECTION: 2012 – 2013

Total Percent Multi Unit Trucks

Variable Name: MU_PCT

Definition: Percent of AADT that are Multi Unit trucks (FHWA Class 8 – 13) (e.g., 0.0393).

Field Type: Numeric.

Variable History
MU_PCT: 2012 – Present
PCT_TRK1: 1990 – 2012 – Discontinued and reclassified into MU_PCT and SU_PCT

Total Percent Single Unit Trucks

Variable Name: SU_PCT

Definition: Percent of AADT that are Single Unit trucks (FHWA Class 4 – 7) (e.g., 0.0669).

Field Type: Numeric.

Variable History
SU_PCT: 2012 – Present
PCT_TRK1: 1990 – 2012 – Discontinued and reclassified into MU_PCT and SU_PCT

Town

Variable Name: TOWNNAME

Definition: A name identifying the municipality where the segment is located (e.g., Chapel Hill).

Additional Information: "<Null>" indicates no data available.

Field Type: Text.

Variable History
TOWNNAME: 2018 – Present
TOWN: 1990 – 2017

Travel Direction

Variable Name: TRAVELDIRECTION

Definition: Indicates whether traffic is restricted to one direction or both (e.g., One-way).

Field Type: Text.

'Both'	Both Directions
'One-way'	One Direction

Variable History

TRAVELDIRECTION: 2018 – Present

Type of Recent Improvement

Variable Name: IMPRVTYPE

Definition: The most recent improvement that was made to the segment.

Field Type: Coded.

'BR'	Bridge Replacement (The total replacement of a structurally inadequate or functionally obsolete bridge with a new structure constructed in the same general traffic corridor to current geometric construction standards. A bridge removed and replaced with a lesser facility is considered a bridge replacement. Incidental roadway approach work is included.)
'MI'	Minor Widening (The addition of more width per through lane, shoulder improvements, and/or turn lanes (regardless of length or width) to an existing facility without adding through lanes. The existing pavement is salvaged. Also included, where necessary, is the resurfacing of the existing pavement and other incidental improvements such as shoulder and drainage improvements.)
'MA'	Major Widening (The addition of through lanes or dualization of an existing facility where the existing pavement is salvaged. Also included, where necessary, is the resurfacing of the existing pavement and other incidental improvements such as shoulder and drainage improvements.)
'NR'	New Construction (Construction of a new route on an original location that does not replace an existing route, but which was designed and built as an independent facility.)
'RS'	Resurfacing (Placement of additional material (concrete, asphalt, etc.) over the existing roadway to improve serviceability or to provide additional strength. There may be upgrading of unsafe features and other incidental work. If resurfacing Is done as a final stage of construction, the

	preceding stage (relocation, reconstruction, minor widening, etc.) is used as the improvement type.)
'NL'	Relocation (Construction of a facility on new location that replaces an existing route. The new facility carries all the through traffic with the previous facility closed or retained as a land-service road only.)
'IP'	Initial Paving (This is used the first time an unpaved road is paved.)
'RE'	Reconstruction (Reconstruction on substantially the same alignment. It may include the addition of through lanes, dualization, addition of interchanges or grade separations, or widening of through lanes. Reconstruction may also include the correction of alignment and/or shoulder and drainage deficiencies.)
'SI'	Surface Improvement (Surface improvements such as crack sealing, diamond grinding, subsealing, joint repair, slurry seal, asphalt surface treatment, etc.)
'OT'	Other (Other types of improvements.)

Variable History
IMPRVTYPE: 2018 – Present
IMPROVE1: 1990 – 2017

Year Added

Variable Name: ADDDATE

Definition: The date that the section of the road was constructed, or the date that the road was added to the state maintenance system if it was already built (MM/DD/YYYY).

Field Type: Date.
Variable History
ADDDATE: 2018 – Present
YRADD: 1990 – 2017

Year of Recent Improvement

Variable Name: IMPRVTDATE

Definition: The date of the most recent improvement that was made to the segment (MM/DD/YYYY).

Field Type: Date.

Variable History
IMPRVTDATE: 2018 – Present
YR_IMPR1: 1990 – 2017

Traffic Signal File

City

Variable Name: CITY

Definition: The closest city to the relevant Signal Identification Number (SIN; e.g., Elizabeth City).

Field Type: Text.

Variable History
CITY: 2010 – Present
CITY: 2000 – 2009 - Pre-2010 data must be combined with DIV variable to obtain 4-digit city/town codes.
CITY: 1990 – 1999 – See historic code books for different coding; Pre-2010 data must be combined with DIV variable to obtain 4-digit city/town codes.

County

Variable Name: COUNTY

Definition: The county where the SIN is contained within (e.g., PASQUOTANK).

Field Type: Text.

Variable History
COUNTY: 2018 – Present
COUNTY: 1990 – 2017 – See historic code books for slightly different coding.

Latitude

Variable Name: LATITUDE

Definition: The global latitude of the given location (e.g., 34.345).

Field Type: Numeric.

Variable History
LATITUDE: 2018 – Present

Location

Variable Name: LOCATION

Definition: The physical location or intersection that the signal is located at (e.g., US 17 BUS (ROAD ST.) & CHURCH ST).

Field Type: Text.

Variable History
LOCATION: 2018 – Present

Longitude

Variable Name: LONGITUDE

Definition: The global longitude of the given location (e.g., -87.135).

Field Type: Numeric.

Variable History
LONGITUDE: 2018 – Present

Signal Inventory Number

Variable Name: SIGNAL

Definition: The SIN for a specific location (01-0001).

Field Type: Text.

Variable History
SIGNAL: 2018 – Present

Signal System Number

Variable Name: SIGNAL_SYS

Definition: The signal system number (if applicable) that a signal is a contained within.

Field Type: Coded.

'Numerical Value'	The related signal system number.
'Isolated'	The signal is not contained within a signal system.

Variable History
SIGNAL_SYS: 2018 – Present

Signal Type

Variable Name: FLASHER

Definition: A description of whether the location is a signal or flasher.

Field Type: Coded.

'Signal'	Location is a traffic signal.
'Flasher'	Location is a flasher, usually located between two separate flasher heads if a single SIN is assigned to it.

Variable History
FLASHER: 2018 – Present

System Description

Variable Name: SYSTEM_DES

Definition: The related signal system grouped location (e.g., NC 109 (Randolph St) - SR 2055 (Liberty Dr)). Note, 'Isolated' value indicates the signal is not contained within a signal system.

Field Type: Text.

Variable History
SYSTEM_DES: 2018 – Present

X Value of GIS Location

Variable Name: SPCE_X

Definition: X value of GIS location based on NC State Plane projected coordinate system (e.g., 2818052).

Field Type: Numeric.

Variable History
SPCE_X: 2018 – Present

Y Value of GIS Location

Variable Name: SPCE_Y

Definition: Y value of GIS location based on NC State Plane projected coordinate system (e.g., 938259).

Field Type: Numeric.

Variable History
SPCE_Y: 2018 – Present

Interchange File

County

Variable Name: COUNTY

Definition: County in which the interchange is located.

Field Type: Coded.

‘1	Alamance	‘37’	Gates
‘2’	Alexander	‘38’	Graham
‘3’	Allegheny	‘39’	Granville
‘4’	Anson	‘40’	Greene
‘5’	Ashe	‘41’	Guilford
‘6’	Avery	‘42’	Halifax
‘7’	Beaufort	‘43’	Harnett
‘8’	Bertie	‘44’	Haywood
‘9’	Bladen	‘45’	Henderson
‘10’	Brunswick	‘46’	Hertford
‘11’	Buncombe	‘47’	Hoke
‘12’	Burke	‘48’	Hyde
‘13’	Carrabus	‘49’	Iredell
‘14’	Caldwell	‘50’	Jackson
‘15’	Camden	‘51’	Johnston
‘16’	Carteret	‘52’	Jones
‘17’	Caswell	‘53’	Lee
‘18’	Catawba	‘54’	Lenoir
‘19’	Chatham	‘55’	Lincoln
‘20’	Cherokee	‘56’	Macon
‘21’	Chowan	‘57’	Madison
‘22’	Clay	‘58’	Martin
‘23’	Cleveland	‘59’	McDowell
‘24’	Columbus	‘60’	Mecklenburg
‘25’	Craven	‘61’	Mitchell
‘26’	Cumberland	‘62’	Montgomery
‘27’	Currituck	‘63’	Moore
‘28’	Dare	‘64’	Nash
‘29’	Davidson	‘65’	New Hanover
‘30’	Davie	‘66’	Northampton
‘31’	Duplin	‘67’	Onslow
‘32’	Durham	‘68’	Orange
‘33’	Edgecombe	‘69’	Pamlico
‘34’	Forsyth	‘70’	Pasquotank
‘35’	Franklin	‘71’	Pender
‘36’	Gaston	‘72’	Perquimans

'73'	Person	'87'	Swain
'74'	Pitt	'88'	Transylvania
'75'	Polk	'89'	Tyrell
'76'	Randolph	'90'	Union
'77'	Richmond	'91'	Vance
'78'	Robeson	'92'	Wake
'79'	Rockingham	'93'	Warren
'80'	Rowan	'94'	Washington
'81'	Rutherford	'95'	Watauga
'82'	Sampson	'96'	Wayne
'83'	Scotland	'97'	Wilkes
'84'	Stanly	'98'	Wilson
'85'	Stokes	'99'	Yadkin
'86'	Surry	'100'	Yancey

Variable History
COUNTY: 2018 – Present
COUNTY: 1990 – 2017 – See historic code books for slightly different coding.

Interchange ID

Variable Name: INTERCHANG

Definition: Unique identifier for interchange (e.g., TSUINTC00009).

Field Type: Text.

Variable History
INTERCHANG: 2018 – Present

Interchange Name

Variable Name: LOGICALNAM

Definition: Combination description that includes freeway, cross-street, and exit name associated with interchange (e.g., I-140, US-421, Exit 14).

Field Type: Text.

Variable History
LOGICALNAM: 2018 – Present

Interchange File

Interchange Type

Variable Name: INTERCHANGE_TYPE

Definition: Description of interchange configuration (e.g., Partial cloverleaf). The file contains partial and full cloverleafs, diamonds, trumpets, four-leg all-directionals, three-leg directionals, semi-directionals, single points, diverging diamonds, double roundabouts, and a few miscellaneous interchange types.

Field Type: Text.

Variable History
INTERCHANGE_TYPE: 2018 – Present

Interchange Subtype

Variable Name: INTERCHANGE_SUBTYPE

Definition: Additional notes related to interchange configuration (e.g., One loop B, missing one right turn).

Field Type: Text.

Variable History
INTERCHANGE_SUBTYPE: 2018 – Present

Municipal Boundary

Variable Name: MUNICIPALB

Definition: Indicator that interchange is location within a municipal boundary.

Field Type: Coded.

'Yes'	Interchange is located within a municipal boundary.
'No'	Interchange is not located within a municipal boundary.

Variable History
MUNICIPALB: 2018 – Present

Urban Area

Variable Name: SMOOTHURBA

Definition: Indicator that interchange is location within a Census-defined urbanized area boundary (2010 Census definitions).

Field Type: Coded.

'Yes'	Interchange is located within a Census-defined urbanized area.
'No'	Interchange is not located within a Census-defined urbanized area.

Variable History

SMOOTHURBA: 2018 – Present

Horizontal Curve File

Begin Latitude

Variable Name: BEGINLAT

Definition: The global latitude of the beginning of the curve (e.g. 36.30876).

Field Type: Numeric.

Variable History
BEGINLAT: 2018 – Present

Begin Longitude

Variable Name: BEGINLON

Definition: The global longitude of the beginning of the curve (e.g., -76.126883).

Field Type: Numeric.

Variable History
BEGINLON: 2018 – Present

Begin Milepost

Variable Name: BEGINMP

Definition: The beginning milepost for curve along Route ID (e.g., 8.548).

Field Type: Numeric.

Variable History
BEGINMP: 2018 – Present
BEGMP: 1990 – 2017

County

Variable Name: COUNTY

Definition: Numerical value of counties in alphabetical order.

Field Type: Coded.

'1'	Alamance	'7'	Beaufort
'2'	Alexander	'8'	Bertie
'3'	Allegheny	'9'	Bladen
'4'	Anson	'10'	Brunswick
'5'	Ashe	'11'	Buncombe
'6'	Avery	'12'	Burke

‘13’	Cabarrus
‘14’	Caldwell
‘15’	Camden
‘16’	Carteret
‘17’	Caswell
‘18’	Catawba
‘19’	Chatham
‘20’	Cherokee
‘21’	Chowan
‘22’	Clay
‘23’	Cleveland
‘24’	Columbus
‘25’	Craven
‘26’	Cumberland
‘27’	Currituck
‘28’	Dare
‘29’	Davidson
‘30’	Davie
‘31’	Duplin
‘32’	Durham
‘33’	Edgecombe
‘34’	Forsyth
‘35’	Franklin
‘36’	Gaston
‘37’	Gates
‘38’	Graham
‘39’	Granville
‘40’	Greene
‘41’	Guilford
‘42’	Halifax
‘43’	Harnett
‘44’	Haywood
‘45’	Henderson
‘46’	Hertford
‘47’	Hoke
‘48’	Hyde
‘49’	Iredell
‘50’	Jackson
‘51’	Johnston
‘52’	Jones
‘53’	Lee
‘54’	Lenoir
‘55’	Lincoln
‘56’	Macon
‘57’	Madison
‘58’	Martin
‘59’	McDowell
‘60’	Mecklenburg
‘61’	Mitchell
‘62’	Montgomery
‘63’	Moore
‘64’	Nash
‘65’	New Hanover
‘66’	Northampton
‘67’	Onslow
‘68’	Orange
‘69’	Pamlico
‘70’	Pasquotank
‘71’	Pender
‘72’	Perquimans
‘73’	Person
‘74’	Pitt
‘75’	Polk
‘76’	Randolph
‘77’	Richmond
‘78’	Robeson
‘79’	Rockingham
‘80’	Rowan
‘81’	Rutherford
‘82’	Sampson
‘83’	Scotland
‘84’	Stanly
‘85’	Stokes
‘86’	Surry
‘87’	Swain
‘88’	Transylvania
‘89’	Tyrell
‘90’	Union
‘91’	Vance
‘92’	Wake
‘93’	Warren
‘94’	Washington
‘95’	Watauga
‘96’	Wayne
‘97’	Wilkes
‘98’	Wilson
‘99’	Yadkin
‘100’	Yancey

Horizontal Curve File

Variable History
COUNTY: 2018 – Present
COUNTY: 1990 – 2017 – See historic code books for slightly different coding.

Curve ID

Variable Name: CURVEID

Definition: Unique identifier for the horizontal curve (e.g., 1198).

Field Type: Numeric.

Variable History
CURVEID: 2018 – Present

Degree of Curve

Variable Name: DEGREE

Definition: Degree of curvature (e.g., -31.01).

Field Type: Numeric.

Variable History
DEGREE: 2018 – Present

End Latitude

Variable Name: ENDLAT

Definition: The global latitude of the end of the curve (e.g., 36.30986).

Field Type: Numeric.

Variable History
ENDLAT: 2018 – Present

End Longitude

Variable Name: ENDLON

Definition: The global longitude of the end of the curve (e.g., -76.130269).

Field Type: Numeric.

Variable History
ENDLON: 2018 – Present

End Milepost

Variable Name: ENDMP

Definition: The ending milepost for curve along Route ID (e.g., 8.754).

Field Type: Numeric.

Variable History
ENDMP: 2018 – Present

Length

Variable Name: LENGTHFT

Definition: Length of the curve in feet (e.g., 1092.32).

Field Type: Numeric.

Variable History
LENGTHFT: 2018 – Present

Radius

Variable Name: RADIUSFT

Definition: Radius of the curve in feet (e.g., 2018.56).

Field Type: Numeric.

Variable History
RADIUSFT: 2018 – Present

Route ID

Variable Name: ROUTEID

Definition: Primary route and linking variable within the NCDOT LRS (i.e., based on the 11-digit composite route number) (e.g., 30000343015).

Field Type: Numeric.

Variable History
ROUTEID: 2018 – Present

Route Name

Variable Name: ROUTENAME

Definition: The NCDOT name of the dominant route. It is a concatenation of an abbreviation of Route Class, Route Number, and Route Qualifier (e.g., NC-343).

Field Type: Text.

Variable History
ROUTENAME: 2018 – Present

Freeway Exit File

Freeway Exit File

Exit Name

Variable Name: EXITNAME

Definition: Description of locations and routes accessible via exit (e.g., I-26 W, I-240 E, Asheville, Downtown, Johnson City).

Field Type: Text.

Variable History
EXITNAME: 2018 – Present

Exit Number

Variable Name: EXITNUMBER

Definition: Number and identifier associated with signed exit (if applicable; e.g., 46B).

Field Type: Text.

Variable History
EXITNUMBER: 2018 – Present

Milepost

Variable Name: MEASURE

Definition: Milepost location of exit (e.g., 18.937).

Field Type: Numeric.

Variable History
MEASURE: 2018 – Present

Route ID

Variable Name: ROUTEID

Definition: Primary route and linking variable within the NCDOT LRS (i.e., based on the 11-digit composite route number; e.g., 10000026011).

Field Type: Numeric.

Variable History
ROUTEID: 2018 – Present

Crash File

Access Control (Crash Report)

Variable Name: ACCESS

Definition: The degree of access to a roadway, controlled by public authority.

Field Type: Coded.

'1'	No Access Control
'2'	Full Access Control
'3'	Partial Access Control

Variable History
ACCESS: 2018 – Present
ACCESS: 1990 – 2017 – See historic code books for slightly different coding.

Alcohol/Drugs in Crash

Variable Name: ALCFLAG

Definition: Indicates if alcohol/drugs was a contributing factor in the crash.

Field Type: Coded.

'N'	No Drink or Drug
'Y'	Intoxication Code 2 or 3

Variable History
ALCFLAG: 2000 – Present
ALCFLAG: 1990 – 1999 – See historic code books for slightly different coding.

Bicycle Flag

Variable Name: BIKEFLAG

Definition: Bicycle in crash.

Field Type: Coded.

'N'	Not a Bicycle Crash
'Y'	Bicycle Crash

Variable History
BIKEFLAG: 2000 – Present
BIKEFLAG: 1990 – 1999 – Code switch from '0'/'1' to 'N'/'Y'.

Case Number

Variable Name: CASENO

Definition: A unique number assigned to the Crash Report by NC DMV. This value is the primary linking variable between crash, vehicle, and person files (e.g., 105369233).

Field Type: Numeric.

Variable History
CASENO: 1990 – Present

City

Variable Name: CITY

Definition: Coded value of town in which the crash occurred.

Field Type: Coded.

‘1’	Aberdeen	‘27’	Badin
‘2’	Acme	‘28’	Bailey
‘3’	Advance	‘29’	Bakersville
‘4’	Ahoskie	’30’	Bald Head Island
‘5’	Alamance	‘31’	Banner Elk
‘6’	Albemarle	‘32’	Bath
‘7’	Alexander	‘33’	Battleboro
‘8’	Alexander Mills	‘34’	Bayboro
‘9’	Alliance	‘35’	Bear Grass
‘10’	Andrews	’36’	Beaufort
‘11’	Angier	‘37’	Beech Mountain
‘12’	Ansonville	‘38’	Belhaven
‘13’	Apex	‘39’	Belmont
‘14’	Arapahoe	‘40’	Belville
‘15’	Archdale	‘41’	Belwood
‘16’	Arlington	‘42’	Benson
‘17’	Asheboro	‘43’	Bessemer City
‘18’	Asheville	‘44’	Bethania
‘19’	Askewville	‘45’	Bethel
‘20’	Atkinson	‘46’	Beulaville
‘21’	Atlantic	‘47’	Biltmore Forest
‘22’	Atlantic Beach	‘48’	Biscoe
‘23’	Aulander	‘49’	Black Creek
‘24’	Aurora	‘50’	Black Mountain
‘25’	Autryville	‘51’	Bladenboro
‘26’	Ayden	‘52’	Blowing Rock

‘53’	Boardman
‘54’	Boiling Spring Lakes
‘55’	Boiling Springs
‘56’	Bolivia
‘57’	Bolton
‘57’	Boone
‘58’	Boonville
‘59’	Bostic
‘60’	Brevard
‘61’	Bridgeton
‘62’	Broadway
‘63’	
‘64’	Brookford
‘65’	Brunswick
‘66’	Bryson City
‘67’	Bunn
‘68’	Bunnlevel
‘69’	Burgaw
‘70’	Burlington
‘71’	Burnsville
‘72’	Butner
‘73’	Cajahs Mountain
‘74’	Calabash
‘75’	Calypso
‘76’	Cameron
‘77’	Candor
‘78’	Canton
‘79’	Cape Carteret
‘80’	Caroleen
‘81’	Carolina Beach
‘82’	Carolina Shores
‘83’	Carrboro
‘84’	Carthage
‘85’	Cary
‘86’	Casar
‘87’	Cashiers
‘88’	Castalia
‘89’	Caswell Beach
‘90’	Catawba
‘91’	Cedar Point
‘92’	Centerville
‘93’	Central Fall
‘94’	Cerro Gordo
‘95’	Chadbourn
‘96’	Chadwick Acres
‘97’	Chapel Hill
‘98’	Charlotte
‘99’	Cherokee
‘100’	Cherryville
‘101’	Chimney Rock
‘102’	China Grove
‘103’	Chinquapin
‘104’	Chocowinity
‘105’	Claremont
‘106’	Clarkton
‘107’	Clayton
‘108’	Clemmons
‘109’	Cleveland
‘110’	Cliffside
‘111’	Clinton
‘112’	Clyde
‘113’	Coakley
‘114’	Coats
‘115’	Cofield
‘116’	Colerain
‘117’	Columbia
‘118’	Columbus
‘119’	Como
‘120’	Concord
‘121’	Conetoe
‘122’	Connelly Springs
‘123’	Conover
‘124’	Contentnea
‘125’	Conway
‘126’	Cooleemee
‘127’	Cornelius
‘128’	Council
‘129’	Cove City
‘130’	Cramerton
‘131’	Creedmoor

‘132’	Creswell
‘133’	Crossnore
‘134’	Culberson
‘135’	Dallas
‘136’	Danbury
‘137’	Davidson
‘138’	Delview
‘139’	Denton
‘140’	Dillsboro
‘141’	Dobbins Heights
‘142’	Dobson
‘143’	Dortches
‘144’	Dover
‘145’	Drexel
‘146’	Dublin
‘147’	Dudley
‘148’	Dundarrach
‘149’	Dunn
‘150’	Durham
‘151’	Earl
‘152’	East Arcadia
‘153’	East Bend
‘154’	East Laurinburg
‘155’	East Spencer
‘156’	Eden
‘157’	Edenton
‘158’	Edward
‘159’	Elizabeth City
‘160’	Elizabethtown
‘161’	Elk Park
‘162’	Elkin
‘163’	Ellenboro
‘164’	Ellerbe
‘165’	Elm City
‘166’	Elon College
‘167’	Emerald Isle
‘168’	Enfield
‘169’	Enochville
‘170’	Erwin
‘171’	Eureka
‘172’	Everetts
‘173’	Fair Bluff
‘174’	Fairmont
‘175’	Faison
‘176’	Faith
‘177’	Falcon
‘178’	Falkland
‘179’	Fallston
‘180’	Farmville
‘181’	Fayetteville
‘182’	Flat Rock
‘183’	Fletcher
‘184’	Forest City
‘185’	Foscoe
‘186’	Fountain
‘187’	Four Oaks
‘188’	Foxfire Village
‘189’	Franklin
‘190’	Franklinton
‘191’	Franklinville
‘192’	Fremont
‘193’	Fuquay Varina
‘194’	Gamewell
‘195’	Garland
‘196’	Garner
‘197’	Garysburg
‘198’	Gaston
‘199’	Gastonia
‘200’	Gates
‘201’	Gatesville
‘202’	Germanton
‘203’	Germantown
‘204’	Gibson
‘205’	Gibsonville
‘206’	Glen Alpine
‘207’	Glenville
‘208’	Godwin
‘209’	Gold Hill
‘210’	Gold Point
‘211’	Goldsboro
‘212’	Goldston
‘213’	Graham
‘214’	Graingers
‘215’	Grandfather
‘216’	Granite Falls
‘217’	Granite Quarry

‘218’	Green Level
‘219’	Greenevers
‘220’	Greensboro
‘221’	Greenville
‘222’	Grifton
‘223’	Grimesland
‘224’	Grover
‘225’	Guilford College
‘226’	Halifax
‘227’	Hallsboro
‘228’	Hamilton
‘229’	Hamlet
‘230’	Hampstead
‘231’	Hamptonville
‘232’	Harkers Island
‘233’	Harmony
‘234’	Harrells
‘235’	Harrellsville
‘236’	Harrisburg
‘237’	Hassell
‘238’	Hasty
‘239’	Hatteras
‘240’	Havelock
‘241’	Haw River
‘242’	Hayesville
‘243’	Haywood
‘244’	Hazelwood
‘245’	Hemby Bridge
‘246’	Henderson
‘247’	Hendersonville
‘248’	Hertford
‘249’	Hickory
‘250’	Hiddenite
‘251’	High Point
‘252’	High Shoals
‘253’	Highlands
‘254’	Hildebran
‘255’	Hillsborough
‘256’	Hobgood
‘257’	Hoffman
‘258’	Holden Beach
‘259’	Hollister
‘260’	Holly Ridge
‘261’	Holly Springs
‘262’	Hollyville
‘263’	Hookerton
‘264’	Hope Mills
‘265’	Hot Springs
‘266’	Hudson
‘267’	Huntersville
‘268’	Huntsville
‘269’	Indian Beach
‘270’	Indian Hill
‘271’	Indian Trail
‘272’	Jackson
‘273’	Jackson Springs
‘274’	Jacksonville
‘275’	Jamestown
‘276’	Jamesville
‘277’	Jason
‘278’	Jefferson
‘279’	Jonesville
‘280’	Jupiter
‘281’	Kannapolis
‘282’	Kelford
‘283’	Kenansville
‘284’	Kenly
‘285’	Kernersville
‘286’	Kill Devil Hills
‘287’	King
‘288’	Kings Mountain
‘289’	Kingstown
‘290’	Kinston
‘291’	Kittrell
‘292’	Kitty Hawk
‘293’	Knightdale
‘294’	Kure Beach
‘295’	Lagrange
‘296’	Lake Lure
‘297’	Lake Park
‘298’	Lake Waccamaw
‘299’	Landis
‘300’	Lansing
‘301’	Lasker
‘302’	Lattimore
‘303’	Laurel Park
‘304’	Laurinburg
‘305’	Lawndale

‘306’	Lawrence
‘307’	Leasburg
‘308’	Leggett
‘309’	Leland
‘310’	Lemon Spring
‘311’	Lenoir
‘312’	Lewiston Woodville
‘313’	Lewisville
‘314’	Lexington
‘315’	Liberty
‘316’	Lilesville
‘317’	Lillington
‘318’	Lincolnton
‘319’	Linden
‘320’	Linville
‘321’	Littleton
‘322’	Locust
‘323’	Long Beach
‘324’	Long View
‘325’	Longwood
‘326’	Louisburg
‘327’	Love Valley
‘328’	Lowell
‘329’	Lucama
‘330’	Lumber Bridge
‘331’	Lumberton
‘332’	Macclesfield
‘333’	Macon
‘334’	Madison
‘335’	Maggie Valley
‘336’	Magnolia
‘337’	Maiden
‘338’	Manteo
‘339’	Margaretsville
‘340’	Marietta
‘341’	Marion
‘342’	Mars Hill
‘343’	Marshall
‘344’	Marshville
‘345’	Marvin
‘346’	Matthews
‘347’	Maury
‘348’	Maxton
‘349’	Mayodan
‘350’	Maysville
‘351’	Mcadenville
‘352’	Mcdonalds
‘353’	Mcfarlan
‘354’	Mebane
‘355’	Mesic
‘356’	Micro
‘357’	Middleburg
‘358’	Middlesex
‘359’	Mildred
‘360’	Milton
‘361’	Milwaukee
‘362’	Minnesott Beach
‘363’	Mint Hill
‘364’	Mocksville
‘365’	Momeyer
‘366’	Monroe
‘367’	Montreat
‘368’	Mooresboro
‘369’	Mooresville
‘370’	Morehead City
‘371’	Morganton
‘372’	Morrisville
‘373’	Morven
‘374’	Mount Airy
‘375’	Mount Gilead
‘376’	Mount Holly
‘377’	Mount Olive
‘378’	Mount Pleasant
‘379’	Mountain Island
‘380’	Moyock
‘381’	Murfreesboro
‘382’	Murphy
‘383’	Nags Head
‘384’	Nashville
‘385’	Navassa
‘386’	New Bern
‘387’	New London
‘388’	Newland
‘389’	Newport
‘390’	Newton
‘391’	Newton Grove
‘392’	Norlina
‘393’	Norman

'394'	North Topsail Beach
'395'	North Wilkesboro
'396'	Northwest
'397'	Norwood
'398'	Oak City
'399'	Oak Ridge
'400'	Oakboro
'401'	Ocean Isle Beach
'402'	Old Fort
'403'	Old Sparta
'404'	Oriental
'405'	Orrum
'406'	Oxford
'407'	Palmyra
'408'	Pantego
'409'	Parkersburg
'410'	Parkton
'411'	Parmele
'412'	Patetown
'413'	Patterson
'414'	Patterson Springs
'415'	Peachland
'416'	Pembroke
'417'	Pikeville
'418'	Pilot Mountain
'419'	Pine Knoll Shores
'420'	Pine Level
'421'	Pinebluff
'422'	Pinehurst
'423'	Pinetops
'424'	Pinetown
'425'	Pineville
'426'	Pink Hill
'427'	Pittsboro
'428'	Plymouth
'429'	Polkton
'430'	Polkville
'431'	Pollocksville
'432'	Powellsville
'433'	Princeton
'434'	Princeville
'435'	Proctorville
'436'	Providence
'437'	Raeford
'438'	Raleigh
'439'	Ramseur
'440'	Randleman
'441'	Ranlo
'442'	Raynham
'443'	Red Oak
'444'	Red Springs
'445'	Reidsville
'446'	Rennert
'447'	Rhodhiss
'448'	Rich Square
'449'	Richfield
'450'	Richlands
'451'	Ringwood
'452'	River Bend
'453'	Roanoke Rapids
'454'	Robbins
'455'	Robbinsville
'456'	Robersonville
'457'	Rockford
'458'	Rockingham
'459'	Rockwell
'460'	Rocky Mount
'461'	Rolesville
'462'	Ronda
'463'	Roper
'464'	Rose Hill
'465'	Roseboro
'466'	Rosman
'467'	Rowland
'468'	Roxboro
'469'	Roxobel
'470'	Rural Hall
'471'	Ruth
'472'	Rutherford College
'473'	Rutherfordton
'474'	Saint Helena
'475'	Saint Louis
'476'	Saint Pauls
'477'	Salemburg
'478'	Salisbury
'479'	Saluda
'480'	Sandy Creek
'481'	Sandyfield

‘482’	Sanford
‘483’	Santeetlah
‘484’	Saratoga
‘485’	Sarecta
‘486’	Sawmills
‘487’	Scotland Neck
‘488’	Scuffleton
‘489’	Seaboard
‘490’	Seagrove
‘491’	Selma
‘492’	Seven Devils
‘493’	Seven Springs
‘494’	Severn
‘495’	Shady Forest
‘496’	Shallotte
‘497’	Sharpsburg
‘498’	Shelby
‘499’	Siler City
‘500’	Simpson
‘501’	Sims
‘502’	Smithfield
‘503’	Smithtown
‘504’	Sneads Ferry
‘505’	Snow Hill
‘506’	South Creek
‘507’	South Wadesboro
‘508’	Southern Pines
‘509’	Southern Shores
‘510’	Southport
‘511’	Sparta
‘512’	Speed
‘513’	Spencer
‘514’	Spencer Mountain
‘515’	Spindale
‘516’	Spring Hope
‘517’	Spring Lake
‘518’	Spruce Pine
‘519’	Staley
‘520’	Stallings
‘521’	Stanfield
‘522’	Stanley
‘523’	Stantonsburg
‘524’	Star
‘525’	Statesville
‘526’	Stedman
‘527’	Stem
‘528’	Stokesdale
‘529’	Stoneville
‘530’	Stonewall
‘531’	Stovall
‘532’	Sugar Mountain
‘533’	Summerfield
‘534’	Sunset Beach
‘535’	Surf City
‘536’	Swanns
‘537’	Swansboro
‘538’	Swepsonville
‘539’	Sylva
‘540’	Tabor City
‘541’	Tar Heel
‘542’	Tarboro
‘543’	Taylorsville
‘544’	Taylortown
‘545’	Teachey
‘546’	Thomasville
‘547’	Tillery
‘548’	Tobaccoville
‘549’	Todd
‘550’	Topsail Beach
‘551’	Trent Woods
‘552’	Trenton
‘553’	Trinity
‘554’	Troutman
‘555’	Troy
‘556’	Tryon
‘557’	Turkey
‘558’	Unionville
‘559’	Valdese
‘560’	Vanceboro
‘561’	Vandemere
‘562’	Vander
‘563’	Varnamtown
‘564’	Vass
‘565’	Vienna
‘566’	Virgilina
‘567’	Waco
‘568’	Wade
‘569’	Wadesboro

‘570’	Wagram
‘571’	Wake Forest
‘572’	Walkertown
‘573’	Wallace
‘574’	Walnut Cove
‘575’	Walnut Creek
‘576’	Walstonburg
‘577’	Warrensville
‘578’	Warrenton
‘579’	Warsaw
‘580’	Washington
‘581’	Washington Park
‘582’	Watha
‘583’	Waxhaw
‘584’	Waynesville
‘585’	Weaverville
‘586’	Webster
‘587’	Weddington
‘588’	Wedton
‘589’	Weldon
‘590’	Wendell
‘591’	Wesley Chapel
‘592’	West Jefferson
‘593’	Whispering Pines
‘594’	Whitakers
‘595’	White Lake
‘596’	Whiteville
‘597’	Whitsett
‘598’	Wilkesboro
‘599’	Williamsboro
‘600’	Williamston
‘601’	Wilmington
‘602’	Wilson
‘603’	Wilsons Mills
‘604’	Windsor
‘605’	Winfall
‘606’	Wingate
‘607’	Winston Salem
‘608’	Winterville
‘609’	Winton
‘610’	Woodfin
‘611’	Woodland
‘612’	Wrightsville Beach
‘613’	Yadkinville
‘614’	Yanceyville
‘615’	Yaupon Beach
‘616’	Youngsville
‘617’	Zebulon
‘618’	Pleasant Garden
‘619’	Saint James
‘620’	Cedar Rock
‘621’	Bogue
‘622’	Peletier
‘624’	Bermuda Run
‘625’	Sedalia
‘626’	Forest Hills
‘627’	Grantsboro
‘628’	Wentworth
‘629’	Denver
‘630’	Mineral Springs
‘631’	Oak Island
‘632’	Riegelwood
‘633’	Shannon
‘634’	Sunbury
‘635’	West End
‘636’	Cullowhee
‘637’	Fairview
‘638’	Mcleansville
‘639’	Efland
‘640’	Seven Lakes
‘641’	Stokes
‘642’	Midland
‘643	Evergreen
‘644’	New Hill
‘645’	White Oak
‘647’	Climax
‘648’	Rougemont
‘649’	Lucia
‘650’	New Salem
‘651’	Delco
‘652’	Nakina
‘653’	Henrico
‘655’	Townsville
‘656’	Manson
‘657’	Vaughan
‘658’	Icard
‘659’	Barnesville
‘660’	Knotts Island

'661'	Albertson	'692'	Jarvisburg
'662'	Duck	'693'	Farmington
'663'	Red Cross	'694'	Salter Path
'664'	Colfax	'695'	Fort Barnwell
'665'	Willow Spring	'696'	Cedar Grove
'666'	Wise	'697'	Merry Hill
'667'	Snow Camp	'698'	Pleasant Hill
'668'	Skyland	'699'	Ruffin
'669'	Laural Hill	'700'	Ivanhoe
'670'	Grantham	'701'	Ingold
'671'	Brown Summit	'703'	Union Grove
'672'	Rex	'704'	Saxapahaw
'673'	Chesapeake-Va	'705'	Stony Point
'674'	Raleigh Durham Airport	'706'	Coleridge
'675'	Peidmont Triad Airport	'707'	Deep Run
'676'	Kelly	'708'	Hillsdale
'677'	Ammon	'709'	Misenheimer
'678'	Corolla	'710'	Gold Rock
'679'	Pfafftown	'711'	Coinjock
'680'	Eli Whitney	'712'	Fort Bragg
'681'	Swan Quarter	'713'	Ossipee
'682'	Engelhard	'714'	Wallburg
'683'	Virginia Beach-Va	'715'	Midway
'684'	Mills River	'716'	Castle Hayne
'685'	Supply	'717'	Welcome
'686'	Barco	'718'	Eastover
'687'	Alexis	'719'	Cherokee Reservation
'688'	Grandy	'720'	Elon
'689'	Ridgeway	'721'	Archer Lodge
'690'	Sligo	'722'	Fontana Dam
'691'	Point Harbor		

Variable History

CITY: 2010 – Present

CITY: 2000 – 2009 - Pre-2010 data must be combined with DIV variable to obtain 4-digit city/town codes.

CITY: 1990 – 1999 – See historic code books for different coding; Pre-2010 data must be combined with DIV variable to obtain 4-digit city/town codes.

City Population

Variable Name: CTY_POP

Definition: The population of a city/town (e.g., 46556).

Field Type: Numeric.

Variable History

CTY_POP: 2018 – Present – Code change from categorical to numerical.
POP_GRP: 1998 – 2017 - Code change (Pre-1999 values are in thousands (e.g., 10 = 10,000), 1999 onwards are written as the actual number (e.g., 10,000 = 10,000))
POP_GRP: 1990 – 1998

County

Variable Name: COUNTY

Definition: The code value that represents the county in North Carolina where the crash occurred.

Field Type: Coded.

‘1’	Alamance	‘23’	Cleveland
‘2’	Alexander	‘24’	Columbus
‘3’	Allegheny	‘25’	Craven
‘4’	Anson	‘26’	Cumberland
‘5’	Ashe	‘27’	Currituck
‘6’	Avery	‘28’	Care
‘7’	Beaufort	‘29’	Davidson
‘8’	Bertie	‘30’	Davie
‘9’	Bladen	‘31’	Duplin
‘10’	Brunswick	‘32'	Durham
‘11’	Buncombe	‘33’	Edgecombe
‘12’	Burke	‘34’	Forsyth
‘13’	Carrabus	‘35’	Franklin
‘14’	Caldwell	‘36’	Gaston
‘15’	Camden	‘37’	Gates
‘16’	Carteret	‘38’	Graham
‘17’	Caswell	‘39’	Granville
‘18’	Catawba	‘40’	Greene
‘19’	Chatham	‘41’	Guilford
‘20’	Cherokee	‘42’	Halifax
‘21’	Chowan	‘43’	Harnett
‘22’	Clay	‘44’	Haywood

‘45’	Henderson	‘74’	Pitt
‘46’	Hertford	‘75’	Polk
‘47’	Hoke	‘76’	Randolph
‘48’	Hyde	‘77’	Richmond
‘49’	Iredell	‘78’	Robeson
‘50’	Jackson	‘79’	Rockingham
‘51’	Johnston	‘80’	Rowan
‘52’	Jones	‘81’	Rutherford
‘53’	Lee	‘82’	Sampson
‘54’	Lenoir	‘83’	Scotland
‘55’	Lincoln	‘84’	Stanly
‘56’	Macon	‘85’	Stokes
‘57’	Madison	‘86’	Surry
‘58’	Martin	‘87’	Swain
‘59’	McDowell	‘88’	Transylvania
‘60’	Mecklenburg	‘89’	Tyrell
‘61’	Mitchell	‘90’	Union
‘62’	Montgomery	‘91’	Vance
‘63’	Moore	‘92’	Wake
‘64’	Nash	‘93’	Warren
‘65’	New Hanover	‘94’	Washington
‘66’	Northampton	‘95’	Watauga
‘67’	Onslow	‘96’	Wayne
‘68’	Orange	‘97’	Wilkes
‘69’	Pamlico	‘98’	Wilson
‘70’	Pasquotank		
‘71’	Pender	‘99’	Yadkin
‘72’	Perquimans	‘100’	Yancey
‘73’	Person		

Variable History

COUNTY: 2018 – Present

COUNTY: 1990 – 2017 – See historic code books for slightly different coding.

Crash File

Crash Date

Variable Name: CRASH_DATE

Definition: Date crash occurred (MMDDYY).

Field Type: Date.

Variable History
CRASH_DATE: 2018 – Present
ACC_DATE: 2000 – 2017
ACC_DATE: 1990 – 1999 – Data from 1999 and before includes only YYYYMMDD, but data from 2000 onwards also includes the time.

Crash Severity

Variable Name: SEVERITY

Definition: Documents the most severe injury, can be Fatal injury.

Field Type: Coded.

'1'	Fatal
'2'	Suspected Serious Injury (A)
'3'	Suspected Minor Injury (B)
'4'	Possible Injury (C)
'5'	No Injury
'6'	Unknown

Variable History
SEVERITY: 1990 – Present

Development Amount

Variable Name: DEVELOP

Definition: The predominant type of development in the area in which the collision occurred. For example: Commercial (mainly retail stores), Institutional (schools, hospitals, government buildings).

Field Type: Coded.

'1'	Farms, Woods, Pastures
'2'	Residential
'3'	Commercial
'4'	Institutional
'5'	Industrial
'6'	Unknown

Variable History
DEVELOP: 2018 – Present
DEVELOP: 1990 – 2017 – See historic code books for different coding.

Direction toward 'TO_RD'

Variable Name: TO_DIR

Definition: Direction toward the 'Toward Road.'

Field Type: Coded.

'E'	East
'N'	North
'NE'	Northeast
'NW'	Northwest
'S'	South
'SE'	Southeast
'SW'	Southwest
'W'	West

Variable History
TO_DIR: 2000 – Present

Distance from 'FRM_RD' in Feet

Variable Name: REFDISFT

Definition: Distance, in feet, from the nearest intersecting street (e.g., 143).

Field Type: Numeric.

Variable History
REFDISFT: 2000 – Present

Distance from 'FRM_RD' in Miles

Variable Name: REFDISMI

Definition: The distance, in miles, from the nearest intersecting street (e.g., 0.027).

Field Type: Numeric.

Variable History
REFDISMI: 1990 – Present

First Harmful Event

Variable Name: ACCTYPE

Definition: The first injury or damage producing event which characterizes the crash type and identifies the nature of the first harmful event.

Field Type: Coded.

'0'	Unknown
'1'	Ran Off Road – Right
'2'	Ran Off Road – Left
'3'	Ran Off Road – Straight
'4'	Jackknife
'5'	Overturn/Rollover
'13'	Other Non-Collision
'14'	Pedestrian
'15'	Pedalcyclist
'16'	RR Train, Engine
'17'	Animal
'18'	Movable Object
'19'	Fixed Object
'20'	Parked Motor Vehicle
'21'	Rear End, Slow or Stop
'22'	Rear End, Turn
'23'	Left Turn, Same Roadway
'24'	Left Turn, Different Roadways
'25'	Right Turn, Same Roadway
'26'	Right Turn, Different Roadways
'27'	Head On
'28'	Sideswipe, Same Direction
'29'	Sideswipe, Opposite Direction
'30'	Angle
'31'	Backing Up
'32'	Other Collision with Vehicle

Variable History

ACCTYPE: 2018 – Present

ACCTYPE: 2000 – 2017 – See historic code books for categories discontinued 2018 onwards.

ACCTYPE: 1990 – 1999 – See historic code books for different coding.

From Road

Variable Name: FRM_RD

Definition: From Road – used in describing crash location for subsequent mileposting (particularly if the route and milepost on which the crash occurred is unknown).

Field Type: Numeric.

Variable History
FRM_RD: 1990 – Present

From Road Class

Variable Name: FRMRD_CL

Definition: The road classification of the 'From Road.'

Field Type: Coded.

'CL'	County Line
'I'	Interstate
'LCL'	Local City Street
'MILE'	Mile Marker
'ML'	Municipal Limit
'NC'	NC Route
'PP'	Private Property
'PVA'	Public Vehicular Area
'RP'	Rural Paved
'RU'	Rural Unpaved
'SL'	State Line
'SR'	State Route
'UNK'	Unknown
'US'	US Route

Variable History
FRMRD_CL: 2000 – Present

Light Condition

Variable Name: LIGHT

Definition: The type of light that existed at the time of the crash. Note that extremely cloudy conditions may be classified as dawn (or dusk) if the ambient light conditions are similar.

Field Type: Coded.

'1'	Daylight
'2'	Dusk

'3'	Dawn
'4'	Dark – Lighted Roadway
'5'	Dark – Roadway Not Lighted
'6'	Dark – Unknown Lighting
'7'	Other
'8'	Unknown

Variable History
LIGHT: 2018 – Present
LIGHT: 1990 – 1999 – Category '0' only included in pre-2000 data.

Locality

Variable Name: LOCALITY

Definition: The general type and level of development in the vicinity of the collision. For example: If the estimated total development is less than 30% or about 1/3 of road frontage on both sides of the road over a substantial distance from the scene of the collision, then this variable would return a "1" for rural development.

Field Type: Coded.

'1'	Rural (<30% Developed)
'2'	Mixed (30% to 70% Developed)
'3'	Urban (>70% Developed)

Variable History
LOCALITY: 2018 – Present
LOCALITY: 1990 – 2017 – See historic code books for different coding.

Location Type

Variable Name: LOC_TYPE

Definition: Location of the crash in relation to nearby roadway feature.

Field Type: Coded.

'0'	No Special Feature
'1'	Bridge
'2'	Bridge Approach
'3'	Underpass
'4'	Driveway, Public
'5'	Driveway, Private
'6'	Alley Intersection
'7'	Four-Way Intersection
'8'	T-Intersection

'9'	Y-Intersection
'10'	Traffic Circle/Roundabout
'11'	Five-Point, or More
'12'	Related to Intersection
'13'	Non-Intersection Median Crossing
'14'	End or Beginning-Divided Highway
'15'	Off Ramp Entry (The approach to an exit ramp serving as a connection from a major roadway to a minor roadway.)
'16'	Off Ramp Proper (The length of the ramp between the off-ramp entry and the off-ramp terminal.)
'17'	Off Ramp Terminal on Crossroad (The intersection of an exit ramp with the destination route.)
'18'	Merge Lane Between On and Off
'19'	On Ramp Entry (An entrance ramp serving as a connection from a minor roadway to a major roadway.)
'20'	On Ramp Proper (The length of the ramp between the on-ramp and the on-ramp terminal.)
'21'	On Ramp Terminal on Crossroad (The roadway area where an on-ramp joins the destination route.)
'22'	Railroad Crossing
'23'	Tunnel
'24'	Shared-Use Paths or Trails
'25'	Other

Variable History
LOC_TYPE: 2018 – Present
LOC_TYPE: 2000 – 2017 – See historic code books for different coding.
LOC_TYPE: 1990 – 1999 – See historic code books for different coding.

Milepost

Variable Name: MILEPOST

Definition: The milepost location of the non-inventoried feature, landmark, or annotation. Recorded for strip analysis reports only (e.g., 2.72).

Field Type: Numeric.

Variable History
MILEPOST: 1990 – Present

Most Harmful Event

Variable Name: MOSTHARM

Definition: Record of the event which produced the greatest property damage or most severe in jury in the crash. Note, that a similar vehicle is also recorded at the unit level. If several vehicles are involved in a crash, the officer identifies which harmful event was the most harmful in the crash and records it here.

Field Type: Coded.

'00'	Unknown
'01'	Ran Off Road – Right
'02'	Ran Off Road – Left
'03'	Ran Off Road – Straight
'04'	Jackknife
'05'	Overturn/Rollover
'13'	Other Non-Collision
'14'	Pedestrian
'15'	Pedalcycle
'16'	RR Train, Engine
'17'	Animal
'18'	Movable Object
'19'	Fixed Object
'20'	Parked Motor Vehicle
'21'	Rear End, Slow or Stop
'22'	Rear End, Turn
'23'	Left Turn, Same Roadway
'24'	Left Turn, Different Roadway
'25'	Right Turn, Same Roadway
'26'	Right Turn, Different Roadway
'27'	Head On
'28'	Sideswipe, Same Direction
'29'	Sideswipe, Opposite Direction
'30'	Angle
'31'	Backing Up
'32'	Other Collision with Vehicle

Variable History

MOSTHARM: 2018 – Present

MHARM_AC: 2000 – 2017

Non-Motorist Count

Variable Name: NONMTCNT

Definition: Total number of non-motorist units in the crash (e.g., 1).

Additional Information: “<Null>” indicates no data available.

Field Type: Numeric.

Variable History
NONMTCNT: 2000 – Present

Non-Reportable

Variable Name: NON_REP

Definition: Some locals may choose to report crashes which do not meet the State's criteria for a reportable crash. If these are submitted to the State, the Non-Reportable box is checked. As indicated on page 1 and on the top cover sheet for the DMV-349, a reportable motor vehicle traffic crash must include a fatality, injury, property damage of $1,000.00 or greater, or property damage of any amount to a vehicle seized. A reportable crash must occur on a trafficway or occur after the motor vehicle runs off the roadway but before events are stabilized.

This "non-reportable" check box will be used to direct requests for copies of non-reportable crashes back to the originating agency which investigated the crash.

Field Type: Coded.

‘1’	No
‘2’	Yes

Variable History
NON_REP: 2000 – Present

Number of Lanes (Crash Report)

Variable Name: NBR_LANE

Definition: Number of lanes at the crash location (e.g., 2).

Field Type: Numeric.

‘00’	Parking Lot
‘01’	1 Lane
‘02’	2 Lanes
’03’	3 Lanes
‘04’	4 Lanes
‘05’	5 Lanes
‘06’	6 Lanes

'07'	7 Lanes
'08'	8 Lanes
'09'	9 Lanes
'10'	10 Lanes
'11'	11 Lanes
'12'	12 Lanes
'99'	Unknown

Variable History
NBR_LANE: 2000 – Present

Number of Vehicle + Pedestrian + Bike

Variable Name: NUM_UNIT

Definition: Total Number of units involved in the crash. A unit is any motor vehicle, pedestrian, pedalcyclist, moped or other road vehicle, excluding railway vehicles (e.g., 2).

Field Type: Numeric.

Pedestrian Flag

Variable Name: PEDFLAG

Definition: Whether or not the accident involved pedestrians.

Field Type: Coded.

'N'	Not Pedestrian Accident
'Y'	Pedestrian Accident

Variable History
PEDFLAG: 2000 – Present – Code change from '0'/'1' to 'N'/'Y'.
PEDFLAG: 1990 – 1999

Railroad Crossing Number

Variable Name: RRX_NUM

Definition: If applicable, identifies the number posted at the railroad site or the name of the railroad company owning or operating the tracks (e.g., 6).

Additional Information: "<Null>" indicates no data available.

Field Type: Text.

Variable History
RRX_NUM: 2000 – Present

Ramp or Service Road

Variable Name: RMP_SVRD

Definition: Crash occurred on a ramp or service road.

Additional Information: "<Null>" indicates no data available.

Field Type: Coded.

'Blank'	No
'1'	Yes

Variable History
RMP_SVRD: 2018 – Present
RMP_SVRD: 2000 – 2017 – See historic code books for different coding.

Relation to Roadway

Variable Name: REL_RD

Definition: The location of the first harmful event as it relates to its position within or outside the trafficway.

Field Type: Coded.

'1'	On roadway
'2'	Shoulder
'3'	Median
'4'	Roadside
'5'	Outside trafficway
'6'	Unknown

Variable History
REL_RD: 2000 – Present

Reportable Status

Variable Name: REPORT

Definition: Documents the type of accident (i.e., Fatal, Injury, Property damage, Private property, or Non reportable).

Field Type: Coded.

'D'	Property Damage Only
'F'	Fatal
'I'	Injury
'N'	Non-Reportable

'P'	Private Property
'X'	PVA Property Damage
'Y'	PVA Injury
'Z'	PVA Fatal
' '	Unknown

Variable History
REPORT: 2000 – Present – Code change (category additions)
REPORT: 1990 – 1999

Road Character

Variable Name: RD_CHAR

Definition: Road character describes the change in horizontal direction of a roadway, determined at the point of curvature.

Field Type: Coded.

'1'	Straight – Level
'2'	Straight – Hillcrest
'3'	Straight – Grade
'4'	Straight – Bottom
'5'	Curve – Level
'6'	Curve – Hillcrest
'7'	Curve – Grade
'8'	Curve – Bottom
'9'	Other
'10'	Unknown

Variable History
RD_CHAR: 2018 – Present
RD_CHAR1: 1990 - 2017

Roadway Class

Variable Name: RODWYCLASS

Definition: Roadway Class. This variable is developed by the HSIS Laboratory for the purposes of readily classifying roadway data. This variable is a combination of the *Number of Lanes*, *Rural Urban Identification*, *Median Type*, and *Functional Class* variables.

Field Type: Text.

Values:

Urban Freeways	Rural Freeways

Urban Freeways Less than 4 Lanes
Urban 2 Lane Roads
Urban Multilane Divided Non-Freeway
Urban Multilane Undivided Non-Freeway
Others
Rural Freeways Less than 4 Lanes
Rural 2-Lane Roads
Rural Multilane Divided Non-Freeway
Rural Multilane Undivided Non-Freeway

Variable History
RODWYCLASS: 2018 – Present – Code change from categorical (by number) to text.
RODWYCLS: 2009 – 2017 – Variable not present in 2016 or 2017 data.

Road Configuration

Variable Name: RD_CONF

Definition: A code indicating whether or not a trafficway is divided and whether it serves one-way or two-way traffic. Note that median must be present for a divided road.

Field Type: Coded.

'1'	One-Way, Not Divided
'2'	Two-Way, Not Divided
'3'	Two-Way, Divided, Unprotected
'4'	Two-Way, Divided, Positive Median
'5'	Unknown

Variable History
RD_CONF: 2018 – Present
RD_CONF: 1999 – 2017 – See historic code books for different coding.
RD_CONF: 1990 – 1998 – See historic code books for different coding.

Road Surface Type

Variable Name: RD_PAVE

Definition: Actual surface type of the roadway in the area in which the crash occurred. Examples are: Grooved concrete (areas where the concrete surface has been sawed, scratched, or molded to form grooves intended to improve traction or to make tire noise), Soil (dirt surfaces not identifiable as sand, gravel, or any paved type).

Field Type: Coded.

'1'	Concrete
'2'	Grooved Concrete
'3'	Smooth Asphalt
'4'	Coarse Asphalt
'5'	Gravel

'6'	Sand
'7'	Soil
'8'	Other
'9'	Unknown

Variable History

RD_PAVE: 2018 – Present

RD_PAVE: 1999 – 2017 – See historic code books for different coding.

Roadway Contributing Circumstance 1 — Variable Name: ROADCONT1

Roadway Contributing Circumstance 2 — ROADCONT2

Definition: Roadway circumstance/condition that contributed to the crash.

Field Type: Coded.

'00'	None
'01'	Road Surface Condition
'02'	Debris
'03'	Rut, Holes, Bumps
'04'	Work Zone
'05'	Worn Travel-Polished Surface
'06'	Obstruction in Roadway
'07'	Traffic Control Device Inoperative, Not Visible or Uncoded
'08'	Shoulders Low, Soft or High
'09'	No Shoulders
'10'	Non-Highway Work
'11'	Other
'12'	Unknown

Variable History

ROADCONT1, ROADCONT2: 2000 – Present – Code changes (categories discontinued)

Route ID

Variable Name: ROUTEID

Definition: Primary route and linking variable within the NCDOT LRS (i.e., based on the 11-digit composite route number) (e.g., 50021029098).

Field Type: Numeric.

Variable History
ROUTEID: 2018 – Present

Route Number

Variable Name: RTE_NBR

Definition: Route number representing the complete individual route in the State less the 3-digit code representing the county (e.g., 50021029).

Field Type: Numeric.

Variable History
RTE_NBR: 2018 – Present

Rural-Urban Identification

Variable Name: RURURB

Definition: Indicates if the city is considered Rural or Urban.

Field Type: Coded.

'R'	Rural
'U'	Urban

Variable History
RURURB: 2000 – Present

Surface Condition

Variable Name: RDSURF

Definition: Describes the roadway surface conditions at the time and place of the crash. This information is important to identify and correct high wet-surface crash locations in order to provide information for setting coefficient of pavement friction standards. Critical for preventive programs and engineering evaluations.

Field Type: Coded.

'00'	Not Stated
'01'	Dry

'02'	Wet
'03'	Water (Standing, Moving)
'04'	Ice
'05'	Snow
'06'	Slush
'07'	Sand, Mud, Dirt, Gravel
'08'	Fuel, Oil
'09'	Other
'10'	Unknown

Variable History
RDSURF: 1990 – Present

Time of Day (24 Hour)

Variable Name: TIME

Definition: Date and time crash occurred.

Field Type: Date, HH:MM formatting.

Variable History
TIME: 2018 – Present – Code change from four-digit time categories (e.g., 0000-0059) to HH:MM.
TIME: 1990 – 2017 – Variable not present in 1999

Toward Road

Variable Name: TO_RD

Definition: Toward Road – used in describing crash location for subsequent mileposting (particularly if the route and milepost on which the crash occurred is unknown) (e.g., 40003717).

Additional Information: "<Null>" indicates no data available.

Field Type: Numeric.

Variable History
TO_RD: 1990 – Present

Toward Road Class

Variable Name: TORD_CL

Definition: The road classification of the 'Toward Road.'

Field Type: Coded.

'CL'	County Line
'I'	Interstate
'LCL'	Local City Street

'MILE'	Mile Marker
'ML'	Municipal Limit
'NC'	NC Route
'PP'	Private Property
'PVA'	Public Vehicular Area
'RP'	Rural Paved
'RU'	Rural Unpaved
'SL'	State Line
'SR'	State Route
'UNK'	Unknown
'US'	US Route

Variable History
TORD_CL: 2000 – Present

Total Property Damage

Variable Name: PROPDAM

Definition: Total monetary amount of damage due to the crash (e.g., 200). This includes all vehicular and any additional damage (e.g., railing, telephone post).

Field Type: Numeric.

Variable History
PROPDAM: 2018 – Present – Code change from categorical to numeric.
PROPDAM: 1990 - 2017

Traffic Control Operating

Variable Name: TRF_OPER

Definition: Indication of whether device was operating properly at time of the collision.

Field Type: Coded.

'1'	Yes
'2'	No
'3'	Unknown

Variable History
TRF_OPER: 2018 – Present
TRF_OPER: 2000 – 2017 – See historic code books for different coding.
TRF_OPER: 1990 – 1999 – See historic code books for different coding.

Traffic Control Type

Variable Name: TRF_CNTL

Definition: The type of traffic control device (TCD) present at the collision site and if it was operating and visible at the time. Examples include: RR cross bucks only (the black on white cross-arm device), Human control (law officer, railroad flagman, etc.). It is important that this data element is collected at the scene because the presence of specific devices is better verified at the time of the crash.

Field Type: Coded.

'0'	No Control Present
'1'	Stop Sign
'2'	Yield Sign
'3'	Stop and Go Signal
'4'	Flashing Signal with Stop Sign
'5'	Flashing Signal without Stop Sign
'6'	RR Gate and Flasher
'7'	RR Flasher
'8'	RR Crossbucks Only
'9'	Human Control
'10'	Warning Sign
'11'	School Zone Signs
'12'	Flashing Stop and Go Signal
'13'	Double Yellow Line, No Passing Zone
'14'	Other

Variable History

TRF_CNTL: 2018 – Present – Code change (categories added)
TRF_CNTL: 2000 – 2017 – Code change (category discontinued)
TRF_CNTL: 1990 – 1999

Weather Condition 1

Variable Name: WEATHER1

Weather Condition 2

WEATHER2

Definition: The general atmospheric conditions that existed at the time of the crash. A maximum of two weather conditions may be recorded in the crash, such as rain and severe crosswinds.

Field Type: Coded.

'0'	Not Stated
'1'	Clear
'2'	Cloudy

'3'	Rain
'4'	Snow
'5'	Fog, Smog, Smoke
'6'	Sleet, Hall, Freezing Rain/Drizzle
'7'	Severe Crosswinds
'8'	Blowing Sand, Dirt, Snow
'9'	Other

Variable History

WEATHER2: 2000 – Present
WEATHER1: 2000 – Present – Code change (categories added)
WEATHER1: 1990 – 1999

Weather Contributed to Accident

Variable Name: WETHCONT

Definition: Indicator that weather contributed to the accident.

Field Type: Coded.

'1'	Yes
'2'	No
'3'	Unknown

Variable History
WETHCONT: 2018 – Present
WETHCONT: 2000 – 2017 – See historic code books for different coding.

Work Zone Activity

Variable Name: WZ_ACT

Definition: Whether or not there was activity in the work zone when the crash occurred.

Field Type: Coded.

'1'	On Going Activity
'2'	No Apparent Activity

Variable History
WZ_ACT: 2000 – Present

Work Zone Area

Variable Name: WZ_AREA

Definition: Type of work zone.

Field Type: Coded.

'1'	Construction Work Area
'2'	Maintenance Work Area
'3'	Utility Work Area
'4'	Intermittent/Moving Work
'5'	No

Variable History

WZ_AREA: 2000 – Present

Work Zone Crash Location

Variable Name: WZ_LOC

Definition: Part of work zone where crash occurred.

Field Type: Coded.

'1'	Before Work Area
'2'	In Work Area Approach Taper
'3'	Adjacent to Actual Work Area

Variable History

WZ_LOC: 2000 – Present

Work Zone Marked

Variable Name: WORKZONE

Definition: Indicates if the work area was marked with warning signs, cones, etc.

Field Type: Coded.

'1'	No
'2'	Yes

Variable History

WORKZONE: 2018 – Present

WORKZONE: 2000 – 2017 – See historic code books for slightly different coding.

Unit File

1 Digit Hazmat Number Bottom Placard

Variable Name: HAZ_NUM1

Definition: The 1-digit number from the bottom of the hazmat placard (e.g., 2).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
HAZ_NUM1: 2000 – Present

4 Digit Hazmat Number Bottom Placard

Variable Name: HAZ_NUM4

Definition: The 4-digit number or name from the hazmat placard (e.g., 1075).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
HAZ_NUM4: 2000 – Present

Alcohol Flag

Variable Name: ALCFLAG

Definition: Indicator that the driver or person involved in the unit tested positive for alcohol or other drugs.

Field Type: Coded.

'N'	Involves a negative test for alcohol or other drugs
'Y'	Involves a positive test for alcohol or other drugs

Variable History
ALCFLAG: 2000 – Present
ALCFLAG: 1990 – 1999 – See historic code books for slightly different coding.

Amount Damage to Vehicle

Variable Name: AMTDAMG

Definition: Dollar estimate of the cost to restore the vehicle to its condition just prior to the crash or an estimate of the value of the vehicle prior to the crash - whichever is less (e.g., 10000).

Field Type: Numeric.

Variable History
AMTDAMG: 2018 – Present – Code change from categorical to numeric.
AMTDAMG: 1990 – 1999

Bicycle Flag

Variable Name: BIKEFLAG

Definition: Indicator that unit represents a pedalcyclist.

Field Type: Coded.

'N'	Not a pedalcyclist
'Y'	Pedalcyclist

Variable History
BIKEFLAG: 2000 – Present – Code switch from '0'/'1' to 'N'/'Y'.
BIKEFLAG: 1990 – 1999

Cargo Body Type

Variable Name: BODY

Definition: Cargo body type.

Field Type: Coded.

'01'	Bus (Seats for 16 or More, Including Driver)
'02'	Bus (Seats for Less Than 16, Including Driver)
'03'	Van/Enclosed Box
'04'	Grain/Chips/Gravel Truck
'05'	Pole Truck
'06'	Cargo Tank
'07'	Flatbed
'08'	Dump
'09'	Concrete Mixer
'10'	Auto Transporter
'11'	Garbage/Refuse

’12’	Log truck
‘13’	Other
‘14’	Intermodal Cargo Container

Variable History
BODY: 2018 – Present – Code change (category addition)
BODY: 1999 – 2017

Cargo Carrier Information

Variable Name: INFO_SRC_IND

Definition: Identifies whether the carrier name and address were obtained from the truck, shipping papers or the driver.

Field Type: Coded.

‘1’	Truck
‘2’	Shipping Papers
‘3’	Driver
‘4’	Log Book

Variable History
INFO_SRC_IND: 2018 – Present

Case Number

Variable Name: CASENO

Definition: A unique number assigned to the Crash Report by NC DMV. This value is the primary linking variable between crash, vehicle, and person files (e.g., 105822762).

Field Type: Numeric.

Variable History
CASENO: 1990 – Present

CDL Indicator

Variable Name: CDL_IND

Definition: Indicates if this is a commercial driver's license.

Field Type: Coded.

‘ ‘	No
‘1’	Yes

Variable History

CDL_IND: 2000 – Present

Chemical Test Given

Variable Name: SOB_TEST

Definition: Presence and type of chemical test administered to this driver.

Field Type: Coded.

'0'	No Test
'1'	Alcohol Test
'2'	Test for Other Drugs
'3'	Alcohol and Other Drugs Test
'4'	Test Refused
'5'	Unknown

Variable History

SOB_TEST: 2018 – Present – Code change (categories discontinued)

SOB_TEST: 2000 – 2017

SOB_TEST: 1990 – 1999 – All pre-2000 observations coded as 'not stated'.

Commercial Carrier Business State

Variable Name: CCB_STAT

Definition: Identifies the state in which the motor carrier company's business is located.

Field Type: Coded.

‘AB’	Alberta	‘QR’	Quintana, MX
‘AE’	Military Zip Codes 090 - 098	‘QU’	Queretaro, MX
‘BA’	Baja Norte, MX	‘SI’	Sinaloa, MX
‘BC’	British Columbia	‘SK’	Saskatchewan
‘BJ’	Baja Sur, MX	‘SL’	San Luis Potosi, MX
‘CH’	Chihuahua, MX	‘SO’	Sonora, MX
‘CI’	Chiapas, MX	‘TA’	Tamaulipas, MX
‘CL’	Colima, MX	‘TB’	Tabasco, MX
‘CM’	Campeche, MX	‘TL’	Tlaxcala, MX
‘CU’	Coahuila, MX	‘VC’	Veracruz, MX
‘DC’	Washington, DC	‘VI’	Virgin Islands
‘DF’	Distrito Federal, MX	‘GE’	Germany
‘DO’	Durango, MX	‘YT’	Yukon
‘GR’	Guerrero, MX	‘YU’	Yucatan, MX
‘GU’	Guam	‘ZA’	Zacatecas, MX
‘HL’	Hidalgo, MX	‘AL’	Alabama
‘JL’	Jalisco, MX	‘AK’	Alaska
‘MB’	Manitoba	‘AZ’	Arizona
‘MC’	Michoacan, MX	‘AR’	Arkansas
‘MR’	Morelos, MX	‘CA’	California
‘MX’	Mexico	‘CO’	Colorado
‘NA’	Nayarit	‘CT’	Connecticut
‘NB’	New Brunswick	‘DE’	Delaware
‘NF’	Newfoundland	‘FL’	Florida
‘NL’	Nuevo Leon, MX	‘GA’	Georgia
‘NS’	Nova Scotia	‘HI’	Hawaii
‘OA’	Oaxaca, MX	‘ID’	Idaho
‘ON’	Ontario	‘IL’	Illinois
‘OT’	Other	‘IN’	Indiana
‘PB’	Puebla, MX	‘IA’	Iowa
‘PE’	Prince Edward Island	‘KS’	Kansas
‘PQ’	Prov Of Quebec	‘KY’	Kentucky
‘PR’	Puerto Rico	‘LA’	Louisiana

‘ME’	Maine	‘PA’	Pennsylvania
‘MD’	Maryland	‘RI’	Rhode Island
‘MA’	Massachusetts	‘SC’	South Carolina
‘MI’	Michigan	‘SD’	South Dakota
‘MN’	Minnesota	‘TN’	Tennessee
‘MS’	Mississippi	‘TX’	Texas
‘MO’	Missouri	‘UT’	Utah
‘MT’	Montana	‘VT’	Vermont
‘NE’	Nebraska	‘VA’	Virginia
‘NV’	Nevada	‘WA’	Washington
‘NH’	New Hampshire	‘WV’	West Virginia
‘NJ’	New Jersey	‘WI’	Wisconsin
‘NM’	New Mexico	‘WY’	Wyoming
‘NY’	New York	‘NT’	Northwest Territories
‘NC’	North Carolina	‘AA’	Military Zip Codes 340 Series
‘ND’	North Dakota	‘AG’	Aquascalientes, MX
‘OH’	Ohio	‘AP’	Military Zip Codes 962 - 966
‘OK’	Oklahoma	‘CN’	Canada
‘OR’	Oregon		

Variable History

CCB_STAT: 2000 – Present

Commercial Carrier City

Variable Name: CC_CITY

Definition: City of organization (e.g., ROANOKE).

Additional Information: “<NULL>” indicates no data available.

Field Type: Text.

Variable History

CC_CITY: 2000 – Present

Commercial Carrier Gross Vehicle Weight

Variable Name: GVWR_WGT

Definition: The commercial motor vehicle's gross vehicle weight rating (e.g., 81000).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
GVWR_WGT: 2000 – Present

Commercial Carrier Number of Axles

Variable Name: AXLE_NBR

Definition: Total number of axles on the truck or bus. Includes the axles on truck semi-trailers and trailers (e.g., 5).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
AXLE_NBR: 2000 – Present

Commercial Carrier Zip Code

Variable Name: CC_ZIP

Definition: Zip code of organization (e.g., 24037).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
CC_ZIP: 2000 – Present

Contributing Circumstances, Non-Motorist 1 Variable Name: PEDCONT1
Contributing Circumstances, Non-Motorists 2 PEDCONT2

Definition: Contributing circumstances, non-motorist.

Field Type: Coded.

'00'	None
'01'	Coming from Behind Parked Vehicle
'02'	Darting
'03'	Lying and/or Illegally in Roadway
'04'	Failure to Yield Right of Way
'05'	Not Visible (Dark Clothing, Etc.)
'06'	Inattentive (Talking, Eating, Etc.)
'07'	Failure to Obey Traffic Signs, Signals
'08'	Wrong Side of Road
'09'	Other
'10'	Unknown

Variable History

PEDCONT1: 2000 – Present

PEDCONT2: 2000 – Present

Direct Travel on Route

Variable Name: DIR_TRVL

Definition: Indicates the vehicle traveling direction.

Field Type: Coded.

'E'	East
'N'	North
'NE'	Northeast
'NW'	Northwest
'S'	South
'SE'	Southeast
'SW'	Southwest
'W'	West

Variable History

DIR_TRVL: 2000 – Present

DIR_TRVL: 1990 – 1999 – See historic code books for different coding.

Distance to Object Struck

Variable Name: RD2OBJST

Definition: Location and distance from road to object struck by this vehicle.

Field Type: Coded.

'00'	None
'01'	In Road
'02'	Right of Road 0-10 ft
'03'	Right of Road 11-30 ft
'04'	Right of Road Over 30 ft
'05'	Left of Road 0-10 ft
'06'	Left of Road 11-30 ft
'07'	Left of Road Over 30 ft
'08'	Straight Ahead 0-10 ft
'09'	Straight Ahead 11-30 ft
'10'	Straight Ahead Over 30 ft

Variable History

RD2OBJST: 1990 – Present

Distance Travel After Impact

Variable Name: IMPACTFT

Definition: Distance, in feet, vehicle or pedestrian traveled after impact as a result of the force of the collision (e.g., 38).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
IMPACTFIT: 2018 – Present – Code change from categorical to numeric.
IMPACTFT: 1990 - 2017

Driver Alcohol/Drug Suspected

Variable Name: DRG_SUSP

Definition: Driver alcohol/drug suspected.

Field Type: Coded.

'0'	No
'1'	Yes – Alcohol, Impairment Suspected
'2'	Yes – Alcohol, No Impairment Detected
'3'	Yes – Other Drugs, Impairment Suspected
'4'	Yes – Other Drugs, No Impairment Detected
'5'	Yes – Alcohol and Other Drugs, Impairment Detected
'6'	Yes – Alcohol and Other Drugs, No Impairment Detected
'7'	Unknown

Variable History
DRG_SUSP: 2000 – Present

Driver Alcohol/Drug Test Result

Variable Name: DRG_RES

Definition: Driver alcohol/drug test result.

Field Type: Coded.

'0'	No Test
'1'	No Alcohol or Other Drugs
'2'	Alcohol (Present BAC)
'3'	Other Drugs Reported
'4'	Contaminated Sample/Unusable
'5'	Pending
'6'	Unknown

Variable History

DRG_RES: 2000 – Present

Driver Blood Alcohol Percentage

Variable Name: DRV_BAC

Definition: Blood alcohol percent of the driver (e.g., 0.06).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History

DRV_BAC: 2000 – Present

Driver City

Variable Name: DRV_CITY

Definition: Identifies the city in which the driver or non-motorist currently resides (e.g., WADESBORO).

Field Type: Text.

Variable History

DRV_CITY: 2000 – Present

Driver License Indicator

Variable Name: LIC_IND

Definition: Indicates if a driver has a valid driver's license.

Field Type: Coded.

'N'	No
'Y'	Yes

Variable History

LIC_IND: 2000 – 2019

Driver/Pedestrian Age

Variable Name: DRV_AGE

Definition: Age of the driver or pedestrian involved in the crash (e.g., 21).

Field Type: Numeric.

Variable History

DRV_AGE: 2018 – Present – Code change from categorical to numeric.

DRV_AGE: 1990 - 2017

Driver/Pedestrian Injury

Variable Name: DRV_INJ

Definition: Injury severity of the driver or pedestrian.

Field Type: Coded.

'1'	Fatal
'2'	Suspected Serious Injury (A)
'3'	Suspected Minor Injury (B)
'4'	Possible Injury (C)
'5'	No Injury
'6'	Unknown

Variable History

DRV_INJ: 2018 – Present

DRV_INJ: 1990 – 2017 – See historical code books for different coding.

Driver/Pedestrian Race

Variable Name: DRV_RACE

Definition: Race of the driver/pedestrian involved in the crash.

Field Type: Coded.

'1'	White
'2'	Black
'3'	Native American
'4'	Hispanic
'5'	Asian
'6'	Other
'7'	Unknown

Variable History

CDL_IND: 2018 – Present – Code change

DRV_RACE: 2000 – 2017 – Code change (category addition)

DRV_RACE: 1990 – 1999

Driver/Pedestrian Seat Position

Variable Name: DRV_SEAT

Definition: Driver/Pedestrian Seat Position.

Field Type: Coded.

'1'	Font – Left
'2'	Front – Middle
'3'	Front – Right
'4'	Second Seat – Left
'5'	Second Seat – Middle
'6'	Second Seat – Right
'7'	Third Row – Left
'8'	Third Road – Middle
'9'	Third Road – Right
'10'	Sleeper Section of Cab
'11'	Passenger in Other Enclosed Area
'12'	Passenger in Unenclosed Area
'13'	Trailing Unit
'14'	Riding on Vehicle Exterior
'15'	Unknown

Variable History

DRV_SEAT: 2018 – Present – Code change (category additions)

DRV_SEAT: 1990 - 2017

Driver/Pedestrian Sex

Variable Name: DRV_SEX

Definition: Sex of the driver or pedestrian involved in the crash.

Field Type: Coded.

'1'	Male
'2'	Female
'3'	Unknown

Variable History

DRV_SEX: 2018 – Present

DRV_SEX: 1990 – 2017 – See historical code books for slightly different coding.

Driver Restraint

Variable Name: DRV_REST

Definition: Type of safety restraint used by the driver.

Field Type: Coded.

'0'	None Used
'1'	Lap Belt Only
'2'	Shoulder and Lap Belt
'3'	Shoulder Belt Only
'4'	Child Restraint
'5'	Helmet
'6'	Protective Pads
'7'	Reflective Clothing
'8'	Lighting
'9'	Other
'10'	Unable to Determine

Variable History

DRV_REST: 2018 – Present – Code change

DRV_REST: 2000 – 2017 – Code change (category additions)

DRV_REST: 1990 - 1999

Driver Zip Code

Variable Name: DRV_ZIP

Definition: Identifies the zip code in which the driver or non-motorist currently resides (e.g., 281703164).

Field Type: Numeric.

Variable History
DRV_ZIP: 2000 – Present

Emergency Vehicle Use

Variable Name: EMERGUSE

Definition: Emergency Vehicle Use.

Field Type: Coded.

'1'	Firetruck
'2'	Ambulance
'3'	Military
'4'	Police
'5'	Other

Variable History
EMERGUSE: 2000 – Present

Estimated Original Speed

Variable Name: TRVL_SPD

Definition: Speed the vehicle was traveling prior to impact (e.g., 35).

Field Type: Numeric.

'00'	Not Moving
'01-05'	01-05 MPH
'06-10'	06-10 MPH
'11-15'	11-15 MPH
'16-20'	16-20 MPH
'21-25'	21-25 MPH
'26-30'	26-30 MPH
'31-35'	31-35 MPH
'36-40'	36-40 MPH
'41-45'	41-45 MPH

'46-50'	46-50 MPH
'51-55'	51-55 MPH
'56-60'	56-60 MPH
'61-65'	61-65 MPH
'66-70'	66-70 MPH
'71-75'	71-75 MPH
'76-80'	76-80 MPH
'81-85'	81-85 MPH
'86-HIGH'	Over 85 MPH

Variable History

TRVL_SPD: 1990 – Present

Government Owned Vehicle Indicator

Variable Name: GOV_OWN

Definition: Indicates whether the vehicle involved in the crash was owned by the government.

Field Type: Coded.

' '	Uncoded
'Y'	Yes
'N'	No

Variable History

GOV_OWN: 2000 – Present

Hazardous Cargo

Variable Name: HAZMAT

Definition: Indicates whether this vehicle was carrying hazardous materials.

Field Type: Coded.

' '	Blank
'0'	Unknown
'1'	Hazardous Material
'2'	No Hazardous Material

Variable History

HAZMAT: 1990 – Present

Impact Speed

Variable Name: IMPACTSP

Definition: Estimated speed in miles per hour. Reflects the speed of each vehicle at the moment of impact (e.g., 35).

Field Type: Numeric.

Variable History
IMPACTSP: 2018 – Present – Code change from categorical to numeric.
IMPACTSP: 1990 - 2017

Indicator of Parked Vehicle

Variable Name: PARK_VEH

Definition: Indicates the vehicle is parked or traveling. If car is parked, then value is 1, otherwise value is null.

Field Type: Coded.

‘ ‘	Traveling
‘1’	Parked

Variable History
PARK_VEH: 2000 – Present

Insurance Indicator

Variable Name: INSURED

Definition: Indicates whether driver has insurance.

Field Type: Coded.

‘ ‘, ‘0’	Unknown
‘1’	Yes
‘2’	No

Variable History
INSURED: 2000 – 2019

Length of Trailer #1 in Feet

Variable Name: LENGTRL

Definition: Documents the length, in feet, of the first trailer towed by a vehicle (e.g., 53).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
LENGTRL: 1990 – Present

Length of Trailer #2 in Feet

Variable Name: LENGTRL2

Definition: Documents the length, in feet, of the second trailer towed by a vehicle (e.g., 8).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
LENGTRL2: 1990 – Present

License State

Variable Name: LIC_STAT

Definition: Identifies the State that issued the driver's license to the driver or non-motorist.

Field Type: Coded.

'AB'	Alberta	'GR'	Guerrero, MX
'AE'	Military Zip Codes 090 - 098	'GU'	Guam
'BA'	Baja Norte, MX	'HL'	Hidalgo, MX
'BC'	British Columbia	'JL'	Jalisco, MX
'BJ'	Baja Sur, MX	'MB'	Manitoba
'CH'	Chihuahua, MX	'MC'	Michoacan, MX
'CI'	Chiapas, MX	'MR'	Morelos, MX
'CL'	Colima, MX	'MX'	Mexico
'CM'	Campeche, MX	'NA'	Nayarit
'CU'	Coahuila, MX	'NB'	New Brunswick
'DC'	Washington, DC	'NF'	Newfoundland
'DF'	Distrito Federal, MX	'NL'	Nuevo Leon, MX
'DO'	Durango, MX	'NS'	Nova Scotia

‘OA’	Oaxaca, MX
‘ON’	Ontario
‘OT’	Other
‘PB’	Puebla, MX
‘PE’	Prince Edward Island
‘PQ’	Prov Of Quebec
‘PR’	Puerto Rico
‘QR’	Quintana, MX
‘QU’	Queretaro, MX
‘SI’	Sinaloa, MX
‘SK’	Saskatchewan
‘SL’	San Luis Potosi, MX
‘SO’	Sonora, MX
‘TA’	Tamaulipas, MX
‘TB’	Tabasco, MX
‘TL’	Tlaxcala, MX
‘VC’	Veracruz, MX
‘VI’	Virgin Islands
‘GE’	Germany
‘YT’	Yukon
‘YU’	Yucatan, MX
‘ZA’	Zacatecas, MX
‘AL’	Alabama
‘AK’	Alaska
‘AZ’	Arizona
‘AR’	Arkansas
‘CA’	California
‘CO’	Colorado
‘CT’	Connecticut
‘DE’	Delaware
‘FL’	Florida
‘GA’	Georgia
‘HI’	Hawaii
‘ID’	Idaho
‘IL’	Illinois
‘IN’	Indiana
‘IA’	Iowa
‘KS’	Kansas
‘KY’	Kentucky
‘LA’	Louisiana
‘ME’	Maine
‘MD’	Maryland
‘MA’	Massachusetts
‘MI’	Michigan
‘MN’	Minnesota
‘MS’	Mississippi
‘MO’	Missouri
‘MT’	Montana
‘NE’	Nebraska
‘NV’	Nevada
‘NH’	New Hampshire
‘NJ’	New Jersey
‘NM’	New Mexico
‘NY’	New York
‘NC’	North Carolina
‘ND’	North Dakota
‘OH’	Ohio
‘OK’	Oklahoma
‘OR’	Oregon
‘PA’	Pennsylvania
‘RI’	Rhode Island
‘SC’	South Carolina
‘SD’	South Dakota
‘TN’	Tennessee
‘TX’	Texas
‘UT’	Utah
‘VT’	Vermont
‘VA’	Virginia
‘WA’	Washington
‘WV’	West Virginia
‘WI’	Wisconsin
‘WY’	Wyoming
‘NT’	Northwest Territories
‘AA’	Military Zip Codes 340 Series
‘AG’	Aquascalientes, MX
‘AP’	Military Zip Codes 962 - 966

'CN'	Canada

Variable History

LIC_STAT: 2000 – 2019

Model Year of Vehicle

Variable Name: VEHYR

Definition: Model year of the vehicle (e.g., 2006).

Field Type: Numeric.

Variable History

VEHYR: 1990 – Present

Most Harmful Event

Variable Name: MOSTHARM

Definition: Most Harmful Event in the crash sequence.

Field Type: Coded.

'00'	Unknown
'01'	Ran off Road Right
'02'	Ran Off Road Left
'03'	Ran Off Road Straight Ahead
'04'	Jackknife
'05'	Overturn/Rollover
'06'	Crossed Centerline/Median
'07'	Downhill Runaway
'08'	Cargo/Equipment Loss or Shift
'09'	Fire/Explosion
'10'	Immersion
'11'	Equipment Failure
'12'	Separation of Units
'13'	Other Non-Collision
'14'	Pedestrian
'15'	Pedalcyclist
'16'	RR Train, Engine
'17'	Animal
'18'	Movable Object

‘20’	Parked Motor Vehicle
‘21’	Rear End, Slow or Stop
‘22’	Rear End, Turn
‘23’	Left Turn, Same Roadway
‘24’	Left Turn, Different Roadways
‘25’	Right Turn, Same Roadway
‘26’	Right Turn, Different Roadways
‘27’	Head On
‘28’	Sideswipe, Same Direction
‘29’	Sideswipe, Opposite Direction
‘30’	Angle
‘31’	Backing Up
‘32’	Other Collision with Vehicle
‘33’	Tree
‘34’	Utility Pole
‘35’	Luminaire Pole Non-Breakaway
‘36’	Luminaire Pole Breakaway
‘37’	Official Highway Sign Non-Breakaway
‘38’	Official Highway Sign Breakaway
‘39’	Overhead Sign Support
‘40’	Commercial Sign
‘41’	Guardrail End on Shoulder
‘42’	Guardrail Face on Shoulder
‘43’	Guardrail End in Median
‘44’	Guardrail Face in Median
‘45’	Shoulder Barrier End
‘46’	Shoulder Barrier Face
‘47’	Median Barrier End
‘48’	Median Barrier Face
‘49’	Bridge Rail End
‘50’	Bridge Rail Face
‘51’	Overhead Part Underpass
‘52’	Pier on Shoulder of Underpass
‘53’	Pier in Median of Underpass
‘54’	Abutment of Underpass
‘55’	Traffic Island Curb or Median
‘56’	Catch Basin or Culvert on Shoulder
‘57’	Catch Basin or Culvert on Median

'58'	Ditch
'59'	Embankment
'60'	Mailbox
'61'	Fence or Fence Post
'62'	Construction Barrier
'63'	Crash Cushion
'64'	Other Fixed Object

Variable History

MOSTHARM: 2018 – Present

MHARM_AC: 2000 – 2017

Non-Motorist Action

Variable Name: PEDACT

Definition: Non-motorist action.

Field Type: Coded.

'00'	Unknown
'01'	Entering or Crossing Specified Location
'02'	Walking, Riding, Running/Jogging with Traffic
'03'	Walking, Riding, Running/Jogging against Traffic
'04'	Working
'05'	Pushing Vehicle
'06'	Approaching or Leaving Vehicle
'07'	Playing
'08'	Standing
'09'	Other

Variable History

PEDACT: 2018 – Present – Code change

PEDACT: 2000 – 2017 – Code change

PEDACT: 1990 - 1999

Non-Motorist Location Prior to Crash

Variable Name: PED_LOC

Definition: Location of the non-motorist prior to the crash.

Field Type: Coded.

'01'	Marked Crosswalk at Intersection
'02'	At Intersection but No Crosswalk
'03'	Non-Intersection Crosswalk
'04'	Driveway Access Crosswalk
'05'	In Roadway
'06'	Not In Roadway
'07'	Median
'08'	Island
'09'	Shoulder
'10'	Sidewalk
'11'	Within 10 ft of Roadway
'12'	Beyond 10 ft of Roadway
'13'	Outside Trafficway
'14'	Shared Use Path or Trails

Variable History

PED_LOC: 2000 – Present

Number of Axles for TRL#1

Variable Name: AXLES

Definition: Documents the number of axles on the first trailer towed by a vehicle (e.g., 2).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History

AXLES: 1990 – Present

Number of Axles for TRL#2

Variable Name: AXLES2

Definition: Documents the number of axles on the second trailer towed by a vehicle (e.g., 2).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History

AXLES2: 2018 – Present

On Road

Variable Name: ON_RD

Definition: On road (e.g., 50031342).

Field Type: Numeric.

Variable History

ON_RD: 2000 – Present

On Road Class

Variable Name: ONRD_CL

Definition: On road class.

Field Type: Coded.

'CL'	County Line
'I'	Interstate
'LCL'	Local City Street
'MILE'	Mile Marker
'ML'	Municipal Limit
'NC'	NC Route
'PP'	Private Property
'PVA'	Public Vehicular Area
'RP'	Rural Paved
'RU'	Rural Unpaved
'SL'	State Line
'SR'	State Route
'UNK'	Unknown
'US'	US Route

Variable History

ONRD_CL: 2000 – Present

Pedestrian Flag

Variable Name: PEDFLAG

Definition: Indicator that unit represents a pedestrian.

Field Type: Coded.

'N'	Not a Pedestrian

'Y'	Pedestrian

Variable History
PEDFLAG: 2000 – Present

Physical Condition of Driver

Variable Name: PHYSCOND

Definition: Physical condition of the driver when the crash occurred.

Field Type: Coded.

'01'	Apparently Normal
'02'	Illness
'03'	Fatigue
'04'	Fell Asleep, Fainted, Loss of Consciousness
'05'	Impairment Due to Medications, Drugs, Alcohol
'06'	Medical Condition
'07'	Other Physical Impairment
'08'	Restriction Not Complied With
'09'	Other
'10'	Unknown

Variable History
PHYSCOND: 2000 – Present – Code change (category discontinued)
PHYSCOND: 1990 - 1999

Point of Contact #1 — Variable Name: PTCONT1
Point of Contact #2 — PTCONT2
Point of Contact #3 — PTCONT3
Point of Contact #4 — PTCONT4
Point of Contact #5 — PTCONT5

Definition: Description of each point of contact for this vehicle.

Field Type: Coded.

'0'	Pedestrian and Non-Contact Vehicle
'1'	Font – Right
'2'	Front – Center

‘3’	Front – Left
‘4’	Front – Left Corner
‘5’	Front – Left Fender
‘6’	Left Side (Door)
‘7’	Back Left Fender
‘8’	Rear – Left Corner
‘9’	Trunk
‘10’	Rear Windshield
‘11’	Roof
‘12’	Front Windshield
‘13’	Hood
‘14’	Rear – Left
‘15’	Rear – Center
‘16’	Rear – Right
‘17’	Rear – Right Corner
‘18’	Back Right Fender
‘19’	Right Side (Door)
‘20’	Front – Right Fender
‘21’	Front – Right Corner
‘22’	Underneath – Front
‘23’	Underneath – Center
‘24’	Underneath – Rear
‘25’	Rollover
‘26’	Unknown
‘27’	Front
‘28’	Left Side
‘29’	Rear
‘30’	Right Side
‘31’	Tractor-Trailer Front Left Side
‘32’	Tractor-Trailer Back Left Side
‘33’	Tractor-Trailer Rear Left Corner
‘34’	Tractor-Trailer Rear Left
‘35’	Tractor-Trailer Rear Center
‘36’	Tractor-Trailer Rear Right
‘37’	Tractor-Trailer Rear Right Corner
‘38’	Tractor-Trailer Back Right Side
‘39’	Tractor-Trailer Front Right Side
‘40’	Tractor-Trailer Roof

Variable History

PTCONT1, PTCONT2, PTCONT3: 1990 – Present

PTCONT4, PTCONT5: 2000 – Present

Post –Crash Fire

Variable Name: FIRE

Definition: Whether or not the crash resulted in a fire.

Field Type: Coded.

'0'	No
'1'	Yes
'2'	Unknown

Variable History

FIRE: 2018 – Present

FIRE: 1990 – 2017 – See historical code books for different coding.

Posted Speed Limit

Variable Name: SPDLIM

Definition: Authorized speed limit for the vehicle at the time of the crash (e.g., 35).

Field Type: Coded.

'00'	Not Stated
'01'	Unknown
'10'	10 Mph
'15'	15 Mph
'20'	20 Mph
'25'	25 Mph
'30'	30 Mph
'35'	35 Mph
'40'	40 Mph
'45'	45 Mph
'50'	50 Mph
'55'	55 Mph
'60'	60 Mph
'65'	65 Mph
'70'	70 Mph
'75'	75 Mph
Other	Error Codes

Variable History

SPDLIM: 2018 – Present

School Bus Contact Vehicle

Variable Name: SCH_BUS1

Definition: Whether or not this vehicle was a school bus and was a contact vehicle in this crash.

Field Type: Coded.

'0'	No
'1'	Yes
'2'	Unknown

Variable History

SCH_BUS1: 2018 – Present

SCH_BUS1: 2000 – 2017 – See historical code books for different coding.

School Bus Non-Contact Vehicle

Variable Name: SCH_BUS2

Definition: Whether or not this vehicle was a school bus and was a non-contact vehicle in this crash.

Field Type: Coded.

'0'	No
'1'	Yes
'2'	Unknown

Variable History

SCH_BUS2: 2018 – Present

SCH_BUS2: 2000 – 2017 – See historical code books for different coding.

Sequence of Events 1

Variable Name: EVENT1

Sequence of Events 2

EVENT2

Sequence of Events 3

EVENT3

Sequence of Events 4

EVENT4

Definition: Description of each event in the crash sequence for this vehicle.

Field Type: Coded.

'00'	Unknown
'01'	Ran off Road Right
'02'	Ran Off Road Left
'03'	Ran Off Road Straight Ahead
'04'	Jackknife
'05'	Overturn/Rollover
'06'	Crossed Centerline/Median
'07'	Downhill Runaway
'08'	Cargo/Equipment Loss or Shift
'09'	Fire/Explosion
'10'	Immersion
'11'	Equipment Failure
'12'	Separation of Units
'13'	Other Non-Collision
'14'	Pedestrian

‘15’	Pedalcyclist
‘16’	RR Train, Engine
‘17’	Animal
‘18’	Movable Object
’20’	Parked Motor Vehicle
‘21’	Rear End, Slow or Stop
‘22’	Rear End, Turn
‘23’	Left Turn, Same Roadway
‘24’	Left Turn, Different Roadways
‘25’	Right Turn, Same Roadway
‘26’	Right Turn, Different Roadways
‘27’	Head On
‘28’	Sideswipe, Same Direction
‘29’	Sideswipe, Opposite Direction
‘30’	Angle
‘31’	Backing Up
‘32’	Other Collision with Vehicle
’33’	Tree
‘34’	Utility Pole
‘35’	Luminaire Pole Non-Breakaway
‘36’	Luminaire Pole Breakaway
’37’	Official Highway Sign Non-Breakaway
‘38’	Official Highway Sign Breakaway
‘39’	Overhead Sign Support
‘40’	Commercial Sign
‘41’	Guardrail End on Shoulder
‘42’	Guardrail Face on Shoulder
‘43’	Guardrail End in Median
‘44’	Guardrail Face in Median
‘45’	Shoulder Barrier End
‘46’	Shoulder Barrier Face
‘47’	Median Barrier End
‘48’	Median Barrier Face
‘49’	Bridge Rail End
‘50’	Bridge Rail Face
‘51’	Overhead Part Underpass
‘52’	Pier on Shoulder of Underpass
‘53’	Pier in Median of Underpass

'54'	Abutment of Underpass
'55'	Traffic Island Curb or Median
'56'	Catch Basin or Culvert on Shoulder
'57'	Catch Basin or Culvert on Median
'58'	Ditch
'59'	Embankment
'60'	Mailbox
'61'	Fence or Fence Post
'62'	Construction Barrier
'63'	Crash Cushion
'64'	Other Fixed Object

Variable History

EVENT1, EVENT2, EVENT3, EVENT 4: 2000 – Present

TAD #1 (Area of Damage) Location — Variable Name: V_DAMAGE

TAD #2 Location — V_DAMAGE2

TAD #3 Location — V_DAMAGE3

Definition: Identifies the damage area on the vehicle.

Field Type: Coded.

'BC'	Rear Center
'BD'	Rear Distributed
'BL'	Rear Left Corner
'BR'	Rear Right Corner
'FC'	Front Concentrated
'FD'	Front Distributed
'FL'	Front Left Corner
'FR'	Front Right Corner
'L&T'	Left Side & Top (Rollover)
'LBQ'	Left Side Rear Quarter
'LD'	Left Side Distributed
'LFQ'	Left Side Front Quarter
'LP'	Left Side (Door)
'ND'	No Damage
'R&T'	Right Side & Top (Rollover)

'RBQ'	Right Side Rear Quarter
'RD'	Right Side Distributed
'RFQ'	Right Side Front Quarter
'RP'	Right Side (Door)
'TOP'	Top
'UND'	Underneath
'UNK'	Unknown
'NA'	Not Applicable

Variable History

V_DAMAGE, V_DAMAGE2, VDAMAGE3: 2018 – Present

V_DAMAGE, V_DAMAGE2, VDAMAGE3: 1990 – 2017 – See historical code books for slightly different coding.

TAD#1 Severity — Variable Name: DAMSEV

TAD#2 Severity — DAMSEV2

TAD#3 Severity — DAMSEV3

Definition: Rates the severity of damage to the area or damage on the vehicle from a scale from 0 (no damage) to 7 (most severe damage).

Field Type: Coded.

'0'	Not Stated
'1'	Least Severe Damage #1
'2'	Some Severe Damage #2
'3'	Some Severe Damage #3
'4'	Some Severe Damage #4
'5'	Severe Damage #5
'6'	More Severe Damage #6
'7'	Most Severe Damage #7
'8'	Invalid

Variable History

DAMSEV, DAMSEV2, DAMSEV3: 1990 – Present

Tire Impressions in Feet

Variable Name: TIRESKID

Definition: Length, in feet, of tire impressions (skid marks, tire print yaw) for vehicle prior to impact (e.g., 0).

Additional Information: "<NULL>" indicates no data available.

Field Type: Numeric.

Variable History
TIRESKID: 2018 – Present – Code change from categorical to numeric.
TIRESKID: 2000 – 2017

Total Occupants in Vehicle

Variable Name: OCPNT_CNT

Definition: The total number of occupants in the Unit (e.g., 1).

Field Type: Numeric.

Variable History
OCPNT_CNT: 2018 – Present
NUM_OCCS: 1990 – 2015

Trailer Type

Variable Name: TRL_TYPE

Definition: Trailer type.

Field Type: Coded.

'00'	No Trailer
'01'	Boat Trailer
'02'	Camper
'03'	Utility Trailer
'04'	Horse Trailer
'05'	House Trailer
'06'	Towed Vehicle
'07'	Other Non-Semi Trailer
'08'	Tanker
'09'	Enclosed Van
'10'	Flatbed or Platform
'11'	Other Semi Trailer

'12'	Double Trailer

Variable History

TRL_TYPE: 1990 – Present

Unit Number

Variable Name: UNT_NBR

Definition: Unique unit number of the unit/vehicle involved in the crash, such as 1, 2, etc (e.g., 1).

Field Type: Numeric.

Variable History

UNT_NBR: 2018 – Present

Unit Type

Variable Name: UNIT_TYP

Definition: Indicates the type of unit involved in the crash, (i.e., vehicle, pedestrian, other).

Field Type: Coded.

' '	Blank
'C'	Commercial
'H'	Hit and Run
'O'	Other
'P'	Pedestrian
'V'	Vehicle

Variable History

UNIT_TYP: 2000 – Present

UNIT_TYP: 1990 - 1999 – See historical code books for different coding.

Vehicle Defects

Variable Name: VEH_DEF

Definition: The type of defect the vehicle has, if any.

Field Type: Coded.

'0'	None Detected
'1'	Brakes
'2'	Headlights
'3'	Rear Lights
'4'	Steering
'5'	Tires
'6'	Other Defects
'7'	Unknown

Variable History
VEH_DEF: 2000 - Present

Vehicle Drivable

Variable Name: DRIVABLE

Definition: Whether or not this vehicle was drivable after the crash (i.e., was not towed from scene).

Field Type: Coded.

'0'	No
'1'	Yes
'2'	Unknown

Variable History
DRIVABLE: 2018 – Present
TOWAWAY: 1990 – 2017 – See historical code books for different coding.

Vehicle Make

Variable Name: MAKENAME

Definition: Make of the vehicle involved in the crash (e.g., TOYO).

Field Type: Text.

Variable History
MAKENAME: 1990 – Present

Vehicle Maneuver

Variable Name: MANEUVER

Definition: Vehicle maneuver.

Field Type: Coded.

’1’	Stopped in Travel Lane
‘2’	Parked Out of Travel Lanes
‘3’	Parked in Travel Lanes
‘4’	Going Straight Ahead
‘5’	Changing Lanes or Merging
‘6’	Passing
‘7’	Making Right Turn
‘8’	Making Left Turn
‘9’	Making U Turn
‘10’	Backing
‘11’	Slowing or Stopping
‘12’	Starting in Roadway
‘13’	Parking
‘14’	Leaving Parked Position
‘15’	Avoiding Object in Road
‘16’	Other

Variable History
MANEUVER: 2001 – Present
MANEUVER: 1990 – 2000 – See historical code books for different coding.

Vehicle Owner City

Variable Name: OWN_CITY

Definition: City of residence for the vehicle owner (e.g., WADESBORO).

Field Type: Text.

Variable History
OWN_CITY: 2000 – Present

Vehicle Owner Zip Code

Variable Name: OWN_ZIP

Definition: Vehicle owner zip code (e.g., 28170).

Field Type: Numeric.

Variable History

OWN_ZIP: 2000 – Present

Vehicle Seizure DWI

Variable Name: VEH_SEIZ

Definition: Whether or not this vehicle was seized due to a DWI violation.

Field Type: Coded.

'0'	No
'1'	Yes
'2'	Unknown

Variable History

VEH_SEIZ: 2018 – Present

VEH_SEIZ: 2000 – 2017 – See historical code books for slightly different coding.

Vehicle Type

Variable Name: VEHTYPE

Definition: Type of vehicle involved in the crash.

Field Type: Coded.

'01'	Passenger Car
'02'	Pickup
'03'	Light Truck (Mini-Van, Panel)
'04'	Sport Utility
'05'	Van
'06'	Commercial Bus
'07'	School Bus
'08'	Activity Bus
'09'	Other Bus
'10'	Single Unit Truck (2-Axle, 6-Tire)
'11'	Single Unit Truck (3 Axles or More)

'12'	Truck/Trailer
'13'	Truck/Tractor
'14'	Tractor/Semi Trailer
'15'	Tractor/Doubles
'16'	Unknown Heavy Truck
'17'	Taxicab
'18'	Farm Equipment
'19'	Farm Tractor
'20'	Motorcycle
'21'	Moped
'22'	Motor Scooter 0r Motor Bike
'23'	Pedalcycle
'24'	Pedestrian
'25'	Motor Home/Recreational Vehicle
'26'	Other
'27'	All Terrain Vehicle (ATV)
'28'	Fire Truck
'29'	EMS Vehicle, Ambulance, Rescue
'30'	Military
'31'	Police
'32'	Unknown

Variable History

VEHTYPE: 2000 – Present – Code change (categories added and discontinued).

VEHTYPE: 1991 – 1992 – Code change for two-axle trucks.

VEHTYPE: 1990

Vehicle Underride/Override

Variable Name: UNDEROVR

Definition: Whether this vehicle underrides (e.g., goes under) or overrides (e.g., runs over) another vehicle in this crash.

Field Type: Coded.

'1'	Underride
'2'	Override
'3'	Neither Underride or Override
'4'	Unknown

Variable History
UNDEROVR: 2000 – Present

Violating/Contributing Factor #1 — Variable Name: CONTRIB1
Violating/Contributing Factor #2 — CONTRB2
Violating/Contributing Factor #3 — CONTRIB3

Definition: Violating/contributing factor.

Field Type: Coded.

‘00’	No Contributing Circumstances
‘01’	Disregarded Yield Sign
‘02’	Disregarded Stop Sign
‘03’	Disregarded Other Traffic Signs
‘04’	Disregarded Traffic Signals
‘05’	Disregarded Road Markings
‘06’	Exceeded Authorized Speed Limit
‘07’	Exceeded Safe Speed for Conditions
‘08’	Failure to Reduce Speed
‘09’	Improper Turn
‘10’	Right Turn on Red
‘11’	Crossed Center Line/Going Wrong Way
‘12’	Improper Lane Change
‘13’	Use of Improper Lane
’14’	Overcorrected/Oversteered
‘15’	Passed Stopped School Bus
‘16’	Passed on Hill
‘17’	Passed on Curve
‘18’	Other Improper Passing
’19’	Failed to Yield Right of Way
‘20’	Inattention
‘21’	Improper Backing
’22’	Improper Parking
‘23’	Driver Distracted
‘24’	Improper or No Signal
‘25’	Followed Too Closely

'26'	Operated Vehicle in Erratic, Reckless, Careless, Negligent or Aggressive Manner
'27'	Swerved or Avoided Due to Wind, Slippery Surface, Vehicle, Object, Non-Motorist
'28'	Visibility Obstructed
'29'	Operated Defective Equipment
'30'	Alcohol Use
'31'	Drug Use
'32'	Other
'33'	Unable to Determine
'34'	Unknown
'35'	Driver Distracted by Electronic Communication Device (Cell Phone, Texting, Etc.)
'36'	Driver Distracted by Other Electronic Device (Navigation Device, DVD Player, Etc.)
'37'	Driver Distracted by Other Inside the Vehicle
'38'	Driver Distracted by External Distraction (Outside the Vehicle)

Variable History

CONTRIB1, CONTRIB2, CONTRIB3: 2018 – Present

CONTRIB1, CONTRIB2, CONTRIB3: 1987 – 2017 – See historical code books for slightly different coding.

CONTRIB4, CONTRIB5: 1990 - 2000

Vision Obstruction

Variable Name: VISION

Definition: Vision obstruction for this vehicle's driver that contributed to the crash.

Field Type: Coded.

'00'	None
'01'	Vehicle Window(s) Obscured
'02'	Trees, Crops, Brush, Etc.
'03'	Building(s)
'04'	Embankment
'05'	Sign(s)
'06'	Hillcrest
'07'	Parked Vehicle(s)
'08'	Vehicle(s) in Traffic/Moving

‘09’	Blinded, Headlights
‘10’	Blinded, Sunlight
’11’	Blinded, Other Lights
‘12’	Other
‘13’	Unknown

Variable History
VISION: 2000 – Present – Code change (category discontinued).
VISION: 1990 – 1999

Width of Trailer #1

Variable Name: WIDTRL

Definition: Documents the width, in inches, of the first trailer towed by a vehicle (e.g., 97).

Additional Information: “<NULL>” indicates no data available.

Field Type: Numeric.

Variable History
WIDTRL: 1990 – Present

Width of Trailer #2

Variable Name: WIDTRL2

Definition: Documents the width, in inches, of the second trailer towed by a vehicle (e.g., 97).

Additional Information: “<NULL>” indicates no data available.

Field Type: Numeric.

Variable History
WIDTRL2: 1990 – Present

Person File

Airbag Deployed

Variable Name: AIRDEPL

Definition: Whether or not the vehicle's airbag was deployed when the crash occurred.

Field Type: Coded.

'0'	No Air Bag(s)
'1'	Not Deployed
'2'	Deployed Front
'3'	Deployed Side
'4'	Deployed Both Front and Side
'5'	Unknown

Variable History
AIRDEPL: 2018 – Present – Code change (category additions)
AIRDEPL: 2000 – 2017

Airbag Switch Status

Variable Name: AIR_SW

Definition: Airbag Switch Status.

Field Type: Coded.

'0'	No On-Off Switch
'1'	Switch in On Position
'2'	Switch in Off Position
'3'	Unknown if Switch Present
'4'	Unknown Position in Vehicle

Variable History
AIR_SW: 2000 – Present

Case Number

Variable Name: CASENO

Definition: A unique number assigned to the Crash Report by NC DMV. This value is the primary linking variable between crash, vehicle, and person files (e.g., 105471365).

Field Type: Numeric.

Variable History

CASENO: 1990 – Present

Ejection

Variable Name: EJECT

Definition: The location of each occupant's body as being completely or partially thrown from the vehicle as a result of the crash. Should be left blank for operators of railway vehicles.

Field Type: Coded.

'1'	Not Ejected
'2'	Totally Ejected
'3'	Partially Ejected
'4'	Unknown

Variable History
EJECT: 2000 – Present

Emergency Medical Service

Variable Name: EMS_DES

Definition: Emergency medical service description (e.g., CABARRUS COUNTY EMS).

Field Type: Text.

Variable History
EMS_DES: 2000 – Present

Occupant Race

Variable Name: RACE

Definition: Race of the person involved in the crash.

Field Type: Coded.

'1'	White
'2'	Black
'3'	Native American
'4'	Hispanic
'5'	Asian
'6'	Other
'7'	Unknown

Variable History

RACE: 2000 – Present
RACE: 1990 – 1999 – See historic code books for slightly different coding.

Occupant Restraint

Variable Name: REST1

Definition: Occupant restraint used by this person.

Field Type: Coded.

'00'	None Used
'01'	Lap Belt Only
'02'	Shoulder and Lap Belt
'03'	Shoulder Belt Only
'04'	Child Restraint
'05'	Helmet
'06'	Protective Pads
'07'	Reflective Clothing
'08'	Lighting
'09'	Other
'10'	Unable to Determine

Variable History
REST1: 2000 – Present
REST1: 1990 – 1999 – See historic code books for slightly different coding.

Occupant Sex

Variable Name: SEX

Definition: Sex of the occupant in the vehicle involved in the crash.

Field Type: Coded.

'1'	Male
'2'	Female
'3'	Unknown

Variable History
SEX: 2000 – Present
SEX: 1990 – 1999 – See historic code books for slightly different coding.

Person Age

Variable Name: AGE

Definition: Person's age (e.g., 22).

Field Type: Numeric.

Variable History
AGE: 2018 – Present

Person City

Variable Name: PRSN_CTY

Definition: City of origin of the individual person (e.g., KANNAPOLIS).

Field Type: Text.

Variable History
PRSN_CTY: 2000 – Present

Person Injury

Variable Name: INJ

Definition: Injury to the person involved in the crash.

Field Type: Coded.

'1'	K Killed
'2'	A Type Injury (Suspected Serious)
'3'	B Type Injury (Suspected Minor)
'4'	C Type Injury (Possible)
'5'	O No Injury
'6'	N Unknown

Variable History
INJ: 2018 – Present
INJ: 2000 – 2017 – See historic code books for different coding.
INJ: 1990 – 1999 – See historic code books for different coding.

Person Number

Variable Name: PRSN_NBR

Definition: Unique identifier for the individual person (e.g., 1).

Field Type: Numeric.

Variable History
PRSN_NBR: 2000 – Present

Person Type

Variable Name: PRSN_TYP

Definition: Person Type.

Field Type: Coded.

'1'	Driver
'2'	Passenger
'3'	Pedestrian
'4'	Pedalcyclist
'5'	Roller Skater, Roller Blader, Etc.
'6'	Other
'7'	Unknown

Variable History
PRSN_TYP: 2000 – Present

Person Zip Code

Variable Name: PRSN_ZIP

Definition: Department Address - Zip Code (e.g., 280833758).

Field Type: Numeric.

Variable History
PRSN_ZIP: 2000 – Present

Seating Position

Variable Name: SEATPOS

Definition: Location of occupant within a vehicle or on a motorcycle.

Field Type: Coded.

'01'	Front – Left
'02'	Front – Middle
'03'	Front – Right
'04'	Second Seat – Left

'05'	Second Seat – Middle
'06'	Second Seat – Right
'07'	Third Row – Left
'08'	Third Row – Middle
'09'	Third Row – Right
'10'	Sleeper Section of Cab
'11'	Passenger in Other Enclosed Area
'12'	Passenger in Unenclosed Area
'13'	Trailing Unit
'14'	Riding on Vehicle Exterior
'15'	Unknown

Variable History
SEATPOS: 1990 – Present

Trapped

Variable Name: TRAPPED

Definition: Persons who are restrained in the vehicle by damaged vehicle components. Should be left blank for operators of railway vehicles.

Field Type: Coded.

'1'	No
'2'	Yes
'3'	Unknown

Variable History
TRAPPED: 2018 – Present
TRAPPED: 2000 – 2017 – See historic code books for slightly different coding.

Treatment Facility Name

Variable Name: TRT_FAC

Definition: Destination for each injured person that is transported from the scene of the crash. Includes a unique letter designation from column 1 for the person involved, if they were taken to a hospital, clinic, doctor's office, or other place of emergency medical service (e.g., TREATED ON SCENE).

Field Type: Text.

Variable History

TRT_FAC: 2000 – Present

Treatment City Name

Variable Name: TRTMT_CITY_ADR

Definition: City in which the person was treated (e.g., CHARLOTTE NC).

Field Type: Text.

Variable History
TRTMT_CITY_ADR: 2005 - Present

Unit Number

Variable Name: UNT_NBR

Definition: Unique unit number of the unit/vehicle involved in the crash, such as 1, 2, etc. (e.g., 1).

Field Type: Numeric.

Variable History
UNT_NBR: 2018 – Present

Appendix A: History of Revisions

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Roadway	AADT	Annual Average Daily Traffic	Variable name changed to 'AADT_FOUR DIGIT YEAR' (e.g., AADT_2006) Roadway segment estimates from 2001 and earlier may not match up with 2002 and later. Code change from categorical to numeric	2002 – 2010 2002 2018
Roadway	AADT_YR	Annual Average Daily Traffic Year	Variable discontinued	2018
Roadway	ACCESS	Access Control	Code change	2018
Roadway	AREATYPE	Area Type	Variable name changed to 'AREA_TYP_C' Variable discontinued	2009 2010
Roadway	BEGMP	Begin Milepost	Variable name changed to 'BEGINMP'	2018
Roadway	CNTR_PEAK_	Number of Lanes in the Direction Opposite to the Peak Hour Direction Flow	Variable added Variable name changed to 'CNTR_PEAK' Variable discontinued	2010 2015 2018
Roadway	CNTYRTE	County Route Number	Variable discontinued and converted to "ROUTEID"	2018
Roadway	COUNTY	County	Code change	2018
Roadway	DHRVOL	Design Hour Volume	Variable discontinued	2010
Roadway	DIV	Highway Division Route	Variable discontinued Variable re-added with Variable name changed to "DIVISION"	2009 2017
Roadway	ENDMP	Ending Milepost	N/A	
Roadway	FUNC_CLS	Functional Class	Variable name changed to 'FUNCCLASS' Code change	2018 2018

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Roadway	FUNC_ST	Functional Class (State)	Variable discontinued	2003
Roadway	HPMS1	HPMS Sample ID	Variable discontinued Variable re-added Variable discontinued	2001 2009 2018
Roadway	HOV_LN_CNT	Number of HOV Lanes	Variable added Variable name changed to 'HOVLNCOUNT'	2010 2018
Roadway	HOV_TYP_CD	Type of Lanes Used for HOV Exclusively or During Specified Time Periods	Variable added Variable name changed to "HOVTYP"	2010 2015
Roadway	IMPROVE1	Type of Recent Improvement	Variable name changed to 'IMPRVTYPE'	2018
Roadway	INTSTMP	Interstate Milepost	Variable discontinued	2009
Roadway	INV_CNTL	Inventory Control	Variable discontinued	2009
Roadway	LISTCNTL	List Control	Variable discontinued	2009
Roadway	LSHL_TYP	Left Shoulder Type	Variable not present Variable name changed to 'LFTSHLDRTYPE' Code change	2015 2017 2018
Roadway	LSHLDWID	Left Shoulder Width	Variable name changed to 'LFTSHLDRWIDTH' Code change from categorical to numeric	2018 2018
Roadway	LT_PARK	Left Peak Park	Variable discontinued	2009
Roadway	MED_TYPE	Median Type	Variable name changed to 'MEDIANTYPE' Code change	2018 2018
Roadway	MEDWID	Median Width Total	Variable name changed to 'MEDIANWIDTH' Code change from categorical to numeric	2018 2018
Roadway	MVMT	Million Vehicle Miles Travelled	Variable discontinued	2018
Roadway	NHS	National Highway System	Variable added	1993

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
			Code change	2018
Roadway	NO_LANES	Number of Lanes-Total	Variable name changed to 'THRULANECOUNT' Code changed from categorical to numeric	2018 2018
Roadway	ONEWAY_DIR	One Way Direction	Variable added Variable discontinued	2009 2018
Roadway	PAVECOND	Pavement Condition	Variable name changed to "PVMT_QLTY_" Variable discontinued	2009 2015
Roadway	PAVED_LSHLDWID	Paved Shoulder Width (Left)	Variable added Variable name changed to 'LFTPVDSHLDRWIDTH'	2009 2018
Roadway	PAVED_RSHLDWID	Paved Shoulder Width (Right)	Variable added Variable name changed to 'RTPVDSHLDRWIDTH'	2009 2018
Roadway	PCT_TRK1	Percent Trucks	Variable discontinued; reclassified into MU_PCT and SU_PCT	2012
Roadway	PEAK_TRK	Percent Trucks at Peak	Variable discontinued	2009
Roadway	PEAKLANE	Number of Lanes in the Peak Hour Direction of Flow	Variable added Variable name changed to 'PEAKLANES'	2002 2018
Roadway	POP_GRP	Population Group	Variable name changed to 'MUNPOPGROUP'	2018
Roadway	PSTD_RTE_C	Posted Routes	Variable added Variable name changed to 'POSTEDROUTE'	2011 2018
Roadway	PTCSTAT	Portable Traffic Counter	Variable discontinued	2009
Roadway	RECCONTCD	Record Continuation Code	Variable added Variable discontinued	1999 2009
Roadway	RODWYCLS	Roadway Class Variable	Higher mileage data availability for 2003 and	2003

File	Variable Name	Variable	Description of Change	Year of Change
			beyond causes higher mileages for some categories, particularly rural and two-lane. Code change from categorical (by number) to text	2018
Roadway	ROUGH	Pavement Roughness	Variable discontinued	2009
Roadway	ROW	Right of Way	N/A	
Roadway	RSHL_TYP	Right Shoulder Type	Variable name changed to 'RTSHLDRTYPE' Code change	2015 2018
Roadway	RSHLDWID	Right Shoulder Width	Variable name changed to 'RTSHLDRWIDTH' Code change from categorical to numeric	2018 2018
Roadway	RT_PARK	Right Peak Park	Variable discontinued	2009
Roadway	RTE_NBR	Route Inventoried	N/A	
Roadway	RTE_TYPE	Route Type (1st digit of RTE_NBR)	Variable name changed to 'ROUTECLASS' Code change (categories added)	2018 2018
Roadway	RULURBID	Rural Urban Identification	Variable added Variable name changed to 'URBANID'	1992 2018
Roadway	SCENIC	Scenic Byway	Variable added Variable discontinued	1999 2002
Roadway	SEG_LNG	Section Length in Miles	Variable name changed to 'MPLENGTH'	2018
Roadway	SIGHTDIS	Sight Distance	Variable discontinued	2009
Roadway	SPD_LIMT	Speed Limit	Variable name changed to 'SPEEDLIMIT'	2018
Roadway	SPEC_SYS	Special System	Variable discontinued	2018
Roadway	STATE_SY	State Highway System	Variable discontinued	2009
Roadway	STRCTR_CD	Location of Bridges, Tunnel and Causeways	Variable added Variable discontinued	2010 2015
Roadway	STREET_NAM	Street Name	Variable added	2009

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
			Variable name changed to 'STREETNAME'	2018
Roadway	SURF_TYP	Surface Type	Variable name changed to 'SRFCTYPE' Code change	2018 2018
Roadway	SURF_WID	Surface Width Total	Variable name changed to 'SRFCWIDTH'	2018
Roadway	TERRAIN	Terrain	Variable name changed to 'TERRAINTYPE'	2018
Roadway	TOLL_DIRECTION	Toll Charged	Variable added Variable discontinued Variable readded with Variable name of 'TOLLCHARGED'	2012 2014 2018
Roadway	TOWN	Town	Variable name changed to 'TOWNNAME'	2018
Roadway	TRFGROW	Traffic Growth Factor	Variable discontinued	2009
Roadway	TRK_RTE	Designated Truck Route	Variable name changed to 'TRKROUTE'	2018
Roadway	TRNLNWD	Turn Lane Width	Variable added Variable discontinued	1992 2009
Roadway	UPDATE	Update	Variable added Variable discontinued	1999 2009
Roadway	URB_LOC	Urban Location	Variable discontinued	2002
Roadway	URB_POP	Rural/Urban Designated by Population	Variable name changed to 'URBANPOP'	2018
Roadway	WTDSGSPD	Weighted Design Speed	Discontinued	2018
Roadway	YEAR	Year of Traffic Count	Variable added Variable discontinued	1999 2009
Roadway	YR_IMPR1	Year of Recent Improvement	Variable name changed to 'IMPRVTDATE	2018
Roadway	YRADD	Year Added	Variable name changed to 'ADDDATE'	2018
Accident/ Crash	ACC_DATE	Accident Date-MMDDYY	Data from 1999 and before includes only YYYYMMDD, but data	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
			from 2000 onwards also includes the time. Variable name changed to 'CRASH_DATE'	 2018
Accident/ Crash	ACCESS	Access Control	Variable added Code changed from categorical (by numbers) to text	2000 2018
Accident/ Crash	ACCTYPE	First Harmful Event	Code changes resulting in category shifts and combinations Code change (categories discontinued)	2000 2018
Accident/ Crash	ACCYR	Accident Year	Variable discontinued	2000
Accident/ Crash	ADD_DAMG	Additional Property Damage	Variable discontinued	2000
Accident/ Crash	AGENCY	Investigating Agency	Variable discontinued	2000
Accident/ Crash	ALCFLAG	Alcohol/Drugs in Accident	Code change ('0'/'1' used pre-2000, 'N'/'Y' used 2000 onwards)	2000
Accident/ Crash	AMB_TIME	Time of Ambulance Request	Variable discontinued	2000
Accident/ Crash	AMBUL	Ambulance Requested	Variable discontinued	2000
Accident/ Crash	BIKEFLAG	Bicycle in Accident	Code change: '0'/'1' used pre-2000, 'N'/'Y' used 2000 onwards	2000
Accident/ Crash	CASENO	Year + Case Number	N/A	
Accident/ Crash	CITY	City/Town Code (Including County)	Changes to city element codes Pre-2010 data must be combined with DIV variable to obtain 4-digit city/town codes.	2000 2010
Accident/ Crash	CNTY_RTE	County Route Number	Variable discontinued	2018

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Accident/ Crash	COMMFLAG	Commercial Vehicle in Accident	Variable discontinued	1999
Accident/ Crash	COUNTY	NC County Number	Code change	2018
Accident/ Crash	DAY	Day of the Month	Variable added Variable discontinued	1998 2000
Accident/ Crash	DEPT_CDE	Reporting Department Code	Variable added Variable discontinued	2000 2018
Accident/ Crash	DEVELOP	Development Amount	Code change	2018
Accident/ Crash	FRM_RD	From Road	N/A	
Accident/ Crash	FRMRD_CL	From Road Class	Variable added	2000
Accident/ Crash	FROM_DIR	Direction from Road	Variable name change from "FROMDIR" to "FROM_DIR" Variable discontinued	2000 2018
Accident/ Crash	HAZFLAG	Hazmat Vehicle in Accident	Variable discontinued	1999
Accident/ Crash	HITRUN	Hit and Run Accident	Variable discontinued	2000
Accident/ Crash	HOUR	Hour	Variable discontinued	2000
Accident/ Crash	LIGHT	Light Condition	Code change (category '0' ('not stated') refers to pre-2000 data)	2000
Accident/ Crash	LOC_TYPE	Accident Location Type	Code changes resulting in category shifts and changes Code change	2000 2018
Accident/ Crash	LOCALITY	Development Type	Code change	2018
Accident/ Crash	MCFLAG	Motorcycle in Accident	Variable discontinued	2000
Accident/ Crash	MEANS	Means of Involvement	Variable discontinued	2000
Accident/ Crash	MHARM_AC	Most Harmful Event	Variable added Variable name changed to 'MOSTHARM'	2000 2018

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Accident/ Crash	MILEPOST	Milepost	N/A	
Accident/ Crash	MONTH	Month of Accident	Variable discontinued	2000
Accident/ Crash	MOPEDFLG	Moped in Accident	Variable discontinued	2000
Accident/ Crash	MUNI_DIR	Direction from Municipality to Accident	Variable added Variable discontinued	2000 2018
Accident/ Crash	MUNI_DIS	Distance from Municipality in Miles	Variable added Variable discontinued	2000 2018
Accident/ Crash	MVMT	Million Vehicle Miles Travelled	Variable discontinued	2015
Accident/ Crash	NBR_LANE	Number of Lanes	N/A	
Accident/ Crash	NEARTOWN	In or Near Town	Variable added Variable discontinued	2000 2018
Accident/ Crash	NON_REP	Non-Reportable	Variable added	2000
Accident/ Crash	NONMTCNT	Non-Motorist Count	Variable added	2000
Accident/ Crash	NUM_UNIT	Number of Units	N/A	
Accident/ Crash	NUMVEHS	Number of Veh+Ped+Bike	Variable discontinued	2018
Accident/ Crash	OFFCR_ST	Reporting Officer State	Variable added Variable discontinued	2000 2018
Accident/ Crash	ON_RD	On Road	N/A	
Accident/ Crash	ONRD_CL	On Road Class	Variable added	2000
Accident/ Crash	PATROLAC	Patrol Area Code	Variable added Variable discontinued	2000 2018
Accident/ Crash	PEDFLAG	Pedestrian in Accident	Code change ('0'/'1' used pre-2000, 'N'/'Y' used 2000 onwards)	2000
Accident/ Crash	PLOTQUAL	Quality of Milepost	Variable discontinued	2000
Accident/ Crash	POP_GRP	City Population in 1000	Code change (Pre-1999 values are in thousands (e.g., 10 = 10,000), 1999	1999

File	Variable Name	Variable	Description of Change	Year of Change
			onwards are written as the actual number (e.g., 10,000 = 10,000)) Variable name changed to "CTY_POP" Code change from categorical to numerical	 2018 2018
Accident/ Crash	PROPDAM	Total Property Damage	Code change from categorical to numeric	2018
Accident/ Crash	PVA	Public Vehicle Area	Variable discontinued	2000
Accident/ Crash	RD_CHAR1	Road Character	Variable name change to 'RD_CHAR'	2018
Accident/ Crash	RD_CONF	Road Configuration	Code changes	1999, 2018
Accident/ Crash	RD_PAVE	Type of Road Surface (Rep)	Code change	2018
Accident/ Crash	RDSURF	Surface Condition	N/A	
Accident/ Crash	REFDISFT	Distance from FRM_RD in Feet	Variable added	2000
Accident/ Crash	REFDISMI	Distance from FRM_RD in Miles	N/A	
Accident/ Crash	REL_RD	Relation to Roadway	Variable added	2000
Accident/ Crash	REPORT	Reportable Status	Code change (category additions)	2000
Accident/ Crash	RMP_SVRD	Ramp or Service Road	Variable added Code change	2000 2018
Accident/ Crash	ROAD_CLS	Road Classification	Variable added Variable discontinued	2000 2018
Accident/ Crash	ROADCONT1	Roadway Contributing Circumstance 1	Code change (categories discontinued)	2000
Accident/ Crash	ROADCONT2	Roadway Contributing Circumstance 2	Variable added Code change (categories discontinued)	2000 2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Accident/ Crash	RODWYCLS	Roadway Class	Variable not present Code change from categorical (by number) to text Variable name changed to 'RODWYCLASS'	2016, 2017 2018 2018
Accident/ Crash	RRX_NUM	Railroad Crossing Number	Variable added	2000
Accident/ Crash	RRXFLAG	Railroad Cross Not Indicated	Variable discontinued	2000
Accident/ Crash	RTE_NBR	Mileposted Route	N/A	
Accident/ Crash	RURURB	Rural-Urban Identification	Variable added	2000
Accident/ Crash	SCHBUS	School Bus Involved in Accident	Variable discontinued	2000
Accident/ Crash	SEVERITY	Worst Injury in Accident	N/A	
Accident/ Crash	SPD_GRP	Computed Speed of Accident	Variable discontinued	2000
Accident/ Crash	TICKET1	Citation Issued to Someone in Accident	Variable discontinued	2000
Accident/ Crash	TIME	Time of Day (24 Hour)	Variable not present Code change from four-digit time categories (e.g., 0000-0059) to HH:MM.	1999 2018
Accident/ Crash	TO_DIR	Direction Toward	Variable added	2000
Accident/ Crash	TO_RD	Toward Road	N/A	
Accident/ Crash	TORD_CL	Toward Road Class	Variable added	2000
Accident/ Crash	TOT_KILL	Total Killed in Accident	Variable discontinued	2015
Accident/ Crash	TOTAINJ	Total A Injuries in Accident	Variable discontinued	2015
Accident/ Crash	TOTBINJ	Total B Injuries in Accident	Variable discontinued	2015
Accident/ Crash	TOTCINJ	Total C Injuries in Accident	Variable discontinued	2015

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Accident/ Crash	TOWN_CD	DOT Assigned Town Code	Variable added Variable discontinued	2000 2018
Accident/ Crash	TRF_CNTL	Traffic Control Type	Code changes (categories added) Code change (category discontinued)	2000 2018
Accident/ Crash	TRF_OPER	Traffic Control Operating	Code change (Category 3 (not stated) is only present for pre-2000 data) Code change	2000 2018
Accident/ Crash	TRF_VIS	Traffic Control Visible	Variable discontinued	2000
Accident/ Crash	WEATHER1	Weather Condition 1	Code change (categories added)	2000
Accident/ Crash	WEATHER2	Weather Condition 2	Variable added	2000
Accident/ Crash	WEEKDAY	Day of Week	Variable discontinued	2000
Accident/ Crash	WETHCONT	Weather Contribute to Accident	Variable added Code change	2000 2018
Accident/ Crash	WORKZONE	Work Zone Marked	Variable added Code change	2000 2018
Accident/ Crash	WZ_ACT	Work Zone Activity	Variable added	2000
Accident/ Crash	WZ_AREA	Work Zone Area	Variable added	2000
Accident/ Crash	WZ_LOC	Work Zone Crash Location	Variable added	2000
Accident/ Crash	Y_LINE	Non-Mileposted Crossing Route Location	Variable discontinued	2000
Accident/ Crash	ZIP_ADR	Reporting Officer Zip Code	Variable added Variable discontinued	2000 2018
Occupant/ Person	AGE	Occupant Age	N/A	
Occupant/ Person	AIR_SW	Airbag Switch Status	Variable added	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Occupant/ Person	AIRDEPL	Airbag Deployed	Variable added Code change (category additions)	2000 2018
Occupant/ Person	CASENO	NC Accident Number with Year	N/A	
Occupant/ Person	EJECT	Ejection	Variable added	2000
Occupant/ Person	EMS_DES	Emergency Medical Service	Variable added	2000
Occupant/ Person	INJ	Occupant Injury	Code change (categories 6 (not stated) and 7 (not occupied) are only in pre-2000 data) Code change	2000 2018
Occupant/ Person	PRSN_CTY	Person County	Variable added	2000
Occupant/ Person	PRSN_DOB	Person Date of Birth	Variable added Variable discontinued	2000 2018
Occupant/ Person	PRSN_NBR	Person Number	Variable added	2000
Occupant/ Person	PRSN_ST	Person State	Variable added Variable discontinued	2000 2018
Occupant/ Person	PRSN_TYP	Person Type	Variable added	2000
Occupant/ Person	PRSN_ZIP	Person Zip Code	Variable added	2000
Occupant/ Person	RACE	Occupant Race	Code change (categories 8 (not occupied) and 9 (non-white) are only included in pre-2000 data)	2000
Occupant/ Person	REST1	Occupant Restraint	Code change (categories 11 (not stated), 12 (unknown), and 13 (not occupied) are only included in pre-2000 data)	2000
Occupant/ Person	SEATPOS	Seating Position	N/A	

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Occupant/ Person	SEX	Occupant Sex	Code change (categories 4 (not stated) and 5 (not occupied) are only included in pre-2000 data)	2000
Occupant/ Person	TRAPPED	Trapped	Variable added Code change	2000 2018
Occupant/ Person	TRT_FAC	Treatment Facility Name	Variable added	2000
Occupant/ Person	TRTMT_CITY_ADR	Treatment City Name	Variable added	2005s
Occupant/ Person	VEHNO	Vehicle Position Number	Variable discontinued	
Vehicle/ Unit	ACTION	Driver Charged with Violation	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	AIRBAGS	Air Bags Present in Vehicle	Variable discontinued	2000
Vehicle/ Unit	AIRDEPL	Airbags Deployed During Crash	Variable discontinued	2000
Vehicle/ Unit	ALC_DRUG	Alcohol/Drug in Accident	Variable discontinued	2000
Vehicle/ Unit	ALCFLAG	Alcohol Flag	Variable added	2000
Vehicle/ Unit	AMTDAMG	Amount Of Damage To Vehicle	Code change from categorical to numeric	2018
Vehicle/ Unit	AXLE_NBR	Commercial Carrier Axles	Variable added	2000
Vehicle/ Unit	AXLES	Number Of Axles for Trl#1	N/A	
Vehicle/ Unit	AXLES2	Number Of Axles for Trl#2	N/A	
Vehicle/ Unit	BIKEFLAG	Bicycle Flag	Variable added	2000
Vehicle/ Unit	BODY	Cargo Body Type	Variable added Code change (category added)	1999 2018
Vehicle/ Unit	CASENO	NC Accident Number with Year	N/A	
Vehicle/ Unit	CC_CITY	Commercial Carrier City	Variable added	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	CC_STATE	Commercial Carrier State	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	CC_ZIP	Commercial Carrier Zip Code	Variable added	2000
Vehicle/ Unit	CCB_CITY	Comm Carr Business City	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	CCB_STAT	Comm Carr Business State	Variable added	2000
Vehicle/ Unit	CDL_IND	CDL Indicator	Variable added	2000
Vehicle/ Unit	CNT_SEAT	Number of Seats Occupied	Variable discontinued	2000
Vehicle/ Unit	CONTRIB1	Viol/Contribution Factor#1	Code change	2018
Vehicle/ Unit	CONTRIB2	Viol/Contribution Factor#2	Code change	2018
Vehicle/ Unit	CONTRIB3	Viol/Contribution Factor#3	Code change	2018
Vehicle/ Unit	CONTRIB4	Viol/Contribution Factor#4	Variable discontinued	2000
Vehicle/ Unit	CONTRIB5	Viol/Contribution Factor#5	Variable discontinued	2000
Vehicle/ Unit	CROSSMED	Cross Median	Variable discontinued	2000
Vehicle/ Unit	DAMSEV	Tad#1 Severity	N/A	
Vehicle/ Unit	DAMSEV2	Tad#2 Severity	N/A	
Vehicle/ Unit	DAMSEV3	Tad#3 Severity	N/A	
Vehicle/ Unit	DIR_TRVL	Direct of Travel on	Code change (For pre-2000 data, 1-4 indicated N, E, S, and W respectively. In 2000 the code switches to E, N, NE, NW, S, SE, SW, and W.)	2000
Vehicle/ Unit	DRG_RES	Driver Alcohol/Drug Test Result	Variable added	2000
Vehicle/ Unit	DRG_SUSP	Driver Alcohol/Drug Suspected	Variable added	2000
Vehicle/ Unit	DRSTATE	Out Of State Drivers License	Variable discontinued	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	DRV_AGE	Driver/Pedestrian Age	Code change from categorical to numeric	
Vehicle/ Unit	DRV_BAC	Driver Blood Alcohol in %	Variable added	2000
Vehicle/ Unit	DRV_CITY	Driver City	Variable added	2000
Vehicle/ Unit	DRV_DOB	Driver Date of Birth	Variable discontinued	2018
Vehicle/ Unit	DRV_INJ	Driver/Pedestrian Injury	Code change	2018
Vehicle/ Unit	DRV_LICENSE_RESTRICT	Drivers License Restriction	Variable added Variable discontinued	2004 2018
Vehicle/ Unit	DRV_RACE	Driver/Pedestrian Race	Code change: (category addition) Code change	2000 2018
Vehicle/ Unit	DRV_REST	Driver Restraint Usage	Code change (category additions) Code change	2000 2018
Vehicle/ Unit	DRV_SEAT	Driver/Pedestrian Seat Position	Code change (category additions)	2018
Vehicle/ Unit	DRV_SEX	Driver/Pedestrian Sex	Code change	2018
Vehicle/ Unit	DRV_ZIP	Driver Zip Code	Variable added	2000
Vehicle/ Unit	EMERGUSE	Emergency Vehicle Use	Variable added	2000
Vehicle/ Unit	EVENT1	Sequence of Events 1	Variable added	2000
Vehicle/ Unit	EVENT2	Sequence of Events 2	Variable added	2000
Vehicle/ Unit	EVENT3	Sequence of Events 3	Variable added	2000
Vehicle/ Unit	EVENT4	Sequence of Events 4	Variable added	2000
Vehicle/ Unit	EXPR_DT	License Expiration Date	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	FIRE	Postcrash Fire	Code change	2018
Vehicle/ Unit	GOV_OWN	Government Owned Vehicle Indicator	Variable added	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	GVWR_WGT	Comm Carr Gross Vehicle Weight	Variable added	2000
Vehicle/ Unit	HAZ_NUM1	1 Digit Hazmat Num Placard	Variable added	2000
Vehicle/ Unit	HAZ_NUM4	4 Digit Hazmat Num Placard	Variable added	2000
Vehicle/ Unit	HAZ_PLAC	Hazmat Placard Indicator	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	HAZMAT	Hazardous Cargo	N/A	
Vehicle/ Unit	IMPACTFT	Distance Travel After Impact	Code change from categorical to numeric	2018
Vehicle/ Unit	IMPACTSP	Impact Speed	Code change from categorical to numeric	2018
Vehicle/ Unit	INSURED	Insurance Indicator	N/A	
Vehicle/ Unit	INTOXC	Driver Intoxication Group	Variable added Variable discontinued	1996 1998
Vehicle/ Unit	L_PERMIT	Learner Permit	Variable discontinued	2000
Vehicle/ Unit	LENGTRL	Length Of Trailer #1, in ft	N/A	
Vehicle/ Unit	LENGTRL2	Length Of Trailer #2, in ft	N/A	
Vehicle/ Unit	LIC_IND	Driver License Indicator	Variable added	2000
Vehicle/ Unit	LIC_STAT	License State	Variable added	2000
Vehicle/ Unit	LICRESTR	Restrict On Driver's License	Variable discontinued	2000
Vehicle/ Unit	LICTYPE	Type Of Driver's License	Variable discontinued	2018
Vehicle/ Unit	MAKE	Vehicle Make	Variable added Variable discontinued	1999 2000
Vehicle/ Unit	MAKENAME	Vehicle Make Name	N/A	
Vehicle/ Unit	MANEUVER	Vehicle Maneuver/Pedestrian Action	Code change (category discontinued)	2000
Vehicle/ Unit	MISCACT1	Miscellaneous Action	Variable discontinued	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	MOSTHARM	Most Harmful Event	Code change (categories discontinued) Code change (categories discontinued)	2000 2018
Vehicle/ Unit	NUM_A	Total A Injuries in Vehicle	Variable discontinued	2015
Vehicle/ Unit	NUM_B	Total B Injuries in Vehicle	Variable discontinued	2015
Vehicle/ Unit	NUM_C	Total C Injuries in Vehicle	Variable discontinued	2015
Vehicle/ Unit	NUM_K	Total Killed in Vehicle	Variable discontinued	2015
Vehicle/ Unit	NUM_OCCS	Total Occupants in Vehicle	Variable discontinued Variable readded as 'OCPNT_CNT'	2015 2018
Vehicle/ Unit	NUM_POCS	No of Points of Contact	Variable discontinued	2000
Vehicle/ Unit	NUM_TADS	Number of Tad Codes	Variable discontinued	2000
Vehicle/ Unit	NUMINJ	Total Injured in Vehicle (K+A+B+C)	Variable discontinued	2000
Vehicle/ Unit	NUMVIOLS	Num of Viols Indicated	Variable discontinued	2000
Vehicle/ Unit	OBJECT1	Type of Object Struck	Variable discontinued	2000
Vehicle/ Unit	ON_RD	On Road	Variable added	2000
Vehicle/ Unit	ONRD_CL	On Road Class	Variable added	2000
Vehicle/ Unit	OTH_UNIT	Other Unit Type	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	OUTSTATE	Out of State Vehicle Registration	Variable discontinued	2000
Vehicle/ Unit	OWN_CITY	Vehicle Owner City	Variable added	2000
Vehicle/ Unit	OWN_STAT	Vehicle Owner State	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	OWN_ZIP	Vehicle Owner Zip Code	Variable added	2000

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	OWNERTYP	Owner Category	Code change Variable discontinued	2000 2018
Vehicle/ Unit	PARK_VEH	Indicator of Parked Vehicle	Variable added	2000
Vehicle/ Unit	PED_LOC	Non-Motorist Location	Variable added	2000
Vehicle/ Unit	PEDACT	Non-Motorist Action	Code change Code change	2000 2018
Vehicle/ Unit	PEDCONT1	Contributing Circumstance Non-Mot 1	Variable added	2000
Vehicle/ Unit	PEDCONT2	Contributing Circumstance Non-Mot 2	Variable added	2000
Vehicle/ Unit	PEDFLAG	Pedestrian In Accident	Variable added	2000
Vehicle/ Unit	PEDHITBY	Pupil Pedestrian Struck By (School bus Crash)	Variable discontinued	2000
Vehicle/ Unit	PHYSCOND	Physical Condition of Driver	Code change (category 11 (not stated) only included in pre-2000 data)	2000
Vehicle/ Unit	PTCONT1	Point of Contact #1	Code change	2018
Vehicle/ Unit	PTCONT2	Point of Contact #2	Code change	2018
Vehicle/ Unit	PTCONT3	Point of Contact #3	Code change	2018
Vehicle/ Unit	PTCONT4	Point of Contact #4	Variable added Code change	2000 2018
Vehicle/ Unit	PTCONT5	Point of Contact #5	Variable added Code change	2000 2018
Vehicle/ Unit	RD2OBJST	Distance to Object Struck	N/A	
Vehicle/ Unit	REGION	Region of Impact	Variable discontinued	2000
Vehicle/ Unit	ROLLOVER	Vehicle Rollover	Variable discontinued	2000
Vehicle/ Unit	ROLLPTCT	Rollover, Point of Contact	Variable added	1996

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
			Variable discontinued	1998
Vehicle/ Unit	ROLLTAD	Rollover, Tad Severity	Variable added Variable discontinued	1996 1998
Vehicle/ Unit	SCH_BUS1	School Bus Contact Vehicle	Variable added Code change	2000 2018
Vehicle/ Unit	SCH_BUS2	School Bus Non-Contact Vehicle	Variable added Code change	2000 2018
Vehicle/ Unit	SOB_TEST	Chemical Test Given	Code change (Pre-2000, all observations were coded as 'not stated') Code change (categories discontinued)	2000 2018
Vehicle/ Unit	SPDLIM	Posted Speed Limit	N/A	
Vehicle/ Unit	SPILL	Hazardous Cargo Spill	Variable discontinued	2018
Vehicle/ Unit	TIRESKID	Tire Impressions in Feet	Code change from categorical to numeric	2018
Vehicle/ Unit	TOTLENG	Tot Length of Trailer(s) in Feet	Variable discontinued	2000
Vehicle/ Unit	TOWAWAY	Vehicle Drivable	Variable name changed to 'DRIVABLE' Code change	2018 2018
Vehicle/ Unit	TOWED_BY	Towed By	Variable added Variable discontinued	2000 2006
Vehicle/ Unit	TOWED_TO	Towed To	Variable added Variable discontinued	2000 2006
Vehicle/ Unit	TRL_TYPE	Trailer Type	N/A	
Vehicle/ Unit	TRL1_FLG	Data Present (Trailer #1)	Variable discontinued	2000
Vehicle/ Unit	TRL2_FLG	Data Present (Trailer #2)	Variable discontinued	2000
Vehicle/ Unit	TRVL_SPD	Estimated Original Speed	N/A	

Appendix A: History of Revisions

File	Variable Name	Variable	Description of Change	Year of Change
Vehicle/ Unit	UNDEROVR	Vehicle Underride/Override	Variable added	2000
Vehicle/ Unit	UNIT_TYP	Unit Type	Code change	2000
Vehicle/ Unit	V_DAMAG2	Tad#2 Location	Code change	2018
Vehicle/ Unit	V_DAMAG3	Tad#3 Location	Code change	2018
Vehicle/ Unit	V_DAMAGE	Tad#1 (Area of Damage) Location	Code change	2018
Vehicle/ Unit	VEH_SEIZ	Vehicle Seizure DWI	Variable added Code change	2000 2018
Vehicle/ Unit	VEH_DEF	Vehicle Defect	Variable added	2000
Vehicle/ Unit	VEHNO	Vehicle Position Number	Variable discontinued	2018
Vehicle/ Unit	VEHON	Vehicle Location Based on Road	Vehicle discontinued	2000
Vehicle/ Unit	VEHSEV	Severity	Variable added Variable discontinued	1996 1998
Vehicle/ Unit	VEHTYPE	Vehicle Type	Code change for two-axle trucks Code change (categories discontinued and added)	1991-92 2000
Vehicle/ Unit	VEHYR	Model Year of Vehicle	N/A	
Vehicle/ Unit	VIN	Vehicle Identification Number	Variable discontinued	2000
Vehicle/ Unit	VIN_ID	Vehicle Identification Number	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	VISION	Vision Obstruction	Code change: Category 14 (not stated) only included in pre-2000 data.	2000
Vehicle/ Unit	WIDTRL	Width Of Trailer #1 (in)	N/A	
Vehicle/ Unit	WIDTRL2	Width Of Trailer #2 (in)	N/A	