HSIS

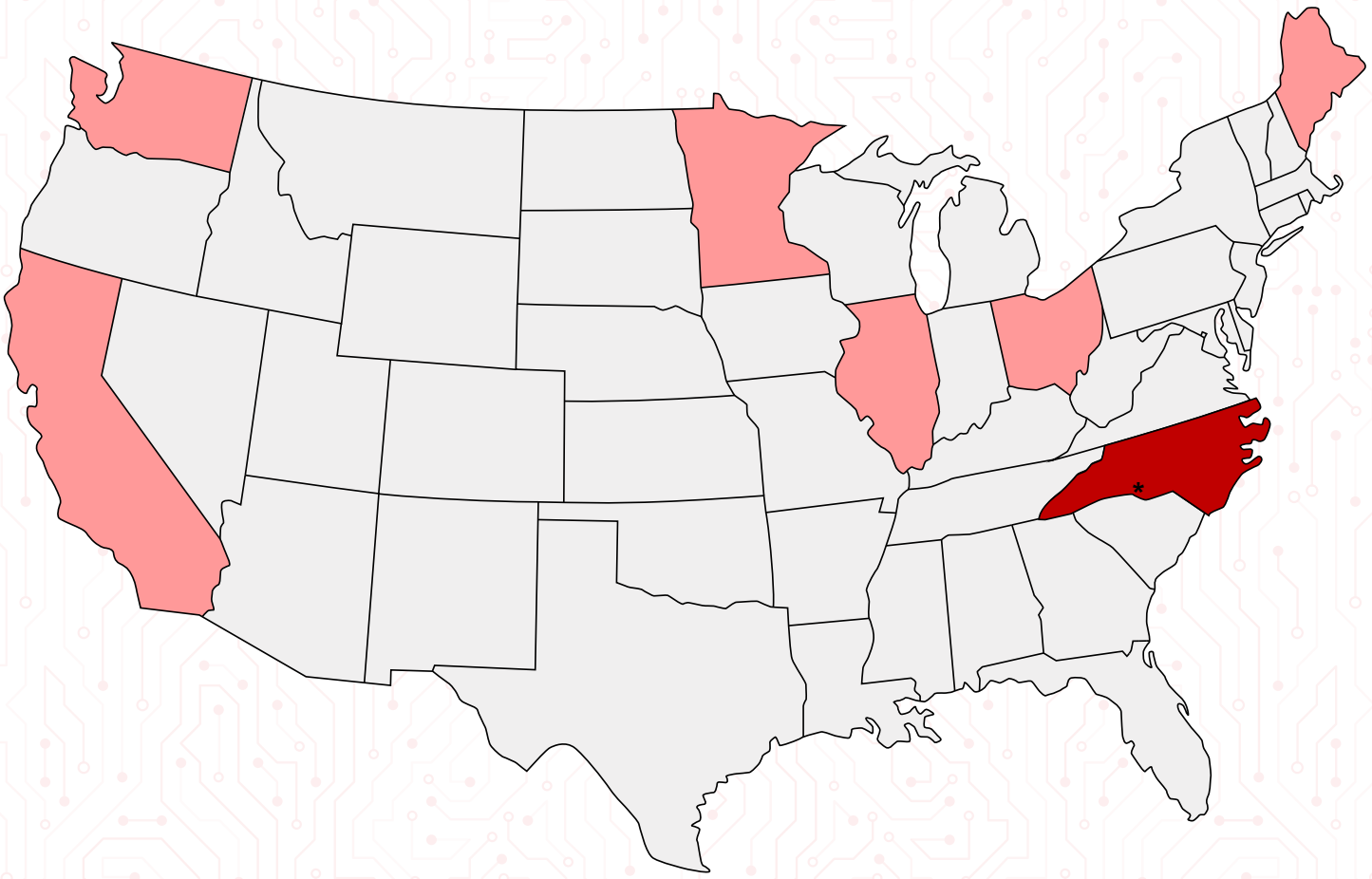
HIGHWAY SAFETY INFORMATION SYSTEM

SEPTEMBER 2024

FHWA-HRT-24-108

GUIDEBOOK FOR THE

North Carolina Data Files



U.S. Department of Transportation
Federal Highway Administration

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Foreword

The Highway Safety Information System (HSIS) is a roadway-based system that provides quality data on a large number of crash, roadway, and traffic variables. The system comprises data collected by States for managing the highway system and studying highway safety. HSIS is composed of seven States and one urban center: California, Illinois, Ohio, Maine, Minnesota, North Carolina, Washington, and Charlotte, NC. HSIS includes some agencies' highway intersection, interchange, lighting, and curve/grade data. Additional supplementary information includes vulnerable road user infrastructure data, such as sidewalks, greenways, and transit stops.

This guidebook is part of a series of data guidebooks for each HSIS agency that explain the variables and attributes provided by each agency. Each guidebook describes the agency's data system and presents an alphabetized listing of all available variables. All data are derived from police-reported crash records, maintained highway records, and other supplementary inventories.

These guidebooks are available to help researchers, analysts, programmers, and safety professionals use HSIS data to further transportation safety for all road users. Visit the HSIS website (https://highways.dot.gov/research/safety/hsis) to request data and learn about other HSIS products.[1]

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Recommended citation: *Highway Safety Information System Guidebook for the North Carolina Data Files* (Washington, DC: 2024) https://doi.org/10.21949/1521780

Technical Report Documentation Page

1. Report No. FHWA-HRT-24-108	2. Government Accession No.	3. Recipient's Catalog No.
4. Title and Subtitle Highway Safety Information System Guidebook for the North Carolina Data Files		5. Report Date September 2024
		6. Performing Organization Code:
7. Author(s) R.J. Porter (ORCID: 0000-0001-8535-3451), Ian Hamilton (ORCID: 0000-0003-0949-5495), Catherine Chestnutt (ORCID: 0009-0000-0494-7224), Kristin Kersavage, (ORCID: 0000-0002-3601-7766), Tal Cohen (ORCID: 0000-0001-9993-8274)		8. Performing Organization Report No.
9. Performing Organization Name and Address VHB Venture I 940 Main Campus Drive, Suite 500 Raleigh, NC 27606-5217		10. Work Unit No.
		11. Contract or Grant No. 693JJ322D000004_693JJ322F00320N
12. Sponsoring Agency Name and Address Office of Safety and Operations Research and Development Federal Highway Administration 6300 Georgetown Pike McLean, VA 22101-2296		13. Type of Report and Period Covered Data Guidebook; January 2018–until new version released
		14. Sponsoring Agency Code HRSO-20
15. Supplementary Notes The contracting officer's representative was Dr. Ana Maria Eigen (HRSO-20; ORCID: 0000-0003-4056-361X).		
16. Abstract The Highway Safety Information System (HSIS) is composed of seven States and one urban center. The HSIS Program provides linked crash, roadway, and traffic volume data. This guidebook supports the use of North Carolina HSIS data from 2018 and beyond. Data and documentation recorded before 2018 (1990–2017) are available upon request to the virtual HSIS Laboratory (https://highways.dot.gov/research/safety/hsis).		
17. Key Words Highway Safety Information System (HSIS), Guidebook, Data Analysis	18. Distribution Statement No restrictions. This document is available to the public through the National Technical Information Service, Springfield, VA 22161. https://www.ntis.gov	

19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 174	22. Price N/A

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Introduction to the North Carolina HSIS Guidebook

Introduction to the North Carolina HSIS Guidebook

The Highway Safety Information System (HSIS), established in 1987, is a foundational highway research data system.[1]* 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 supports the use of North Carolina HSIS data for 2018 and beyond. Data and documentation before 2018 (1990–2017) are available on request to the virtual HSIS Laboratory.[2] Before 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, as shown in table 1.

Table 1. Current North Carolina database file names.

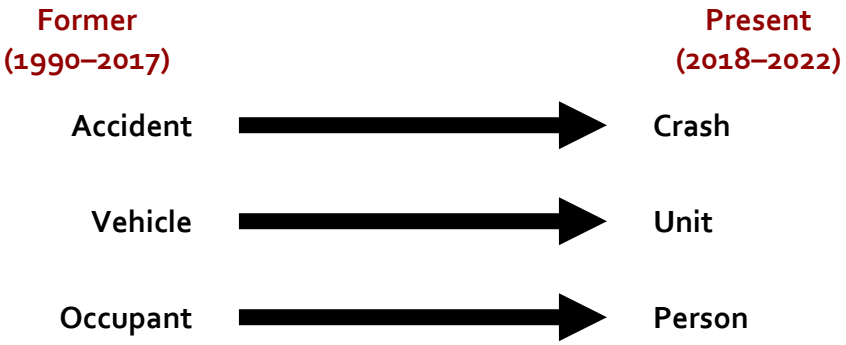
File Name	Descriptor
Roadway	Roadway inventory (including traffic information)
Traffic Signal	Traffic signal inventory
Interchange	Interchange inventory
Horizontal Curve	Horizontal curve inventory
Freeway Exit	Freeway exit inventory
Crash	Crash characteristics
Unit	Units involved in crashes
Person	Persons involved in the crash

*Note: Any reference to HSIS by itself refers to the software.

The appendix summarizes revisions the HSIS Laboratory made to the variables. In addition to the expanded list of files, several key differences exist between the North Carolina HSIS data before 2018, as described in the following changes subsections.

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 (2018–2022).



Source: Federal Highway Administration (FHWA).

Figure 1. Graph. 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.[3] With the modernization effort and increased emphasis on flexibility, this name is now referred to as the *Variable Name*. Furthermore, the descriptive names of variables may be different in this guidebook compared to previous versions. This version may reflect changes in the data or definition of the variable to match updates to North Carolina's data documentation. Please consult the virtual HSIS Laboratory for information on changes to the data over time.

Changes in Available Variables

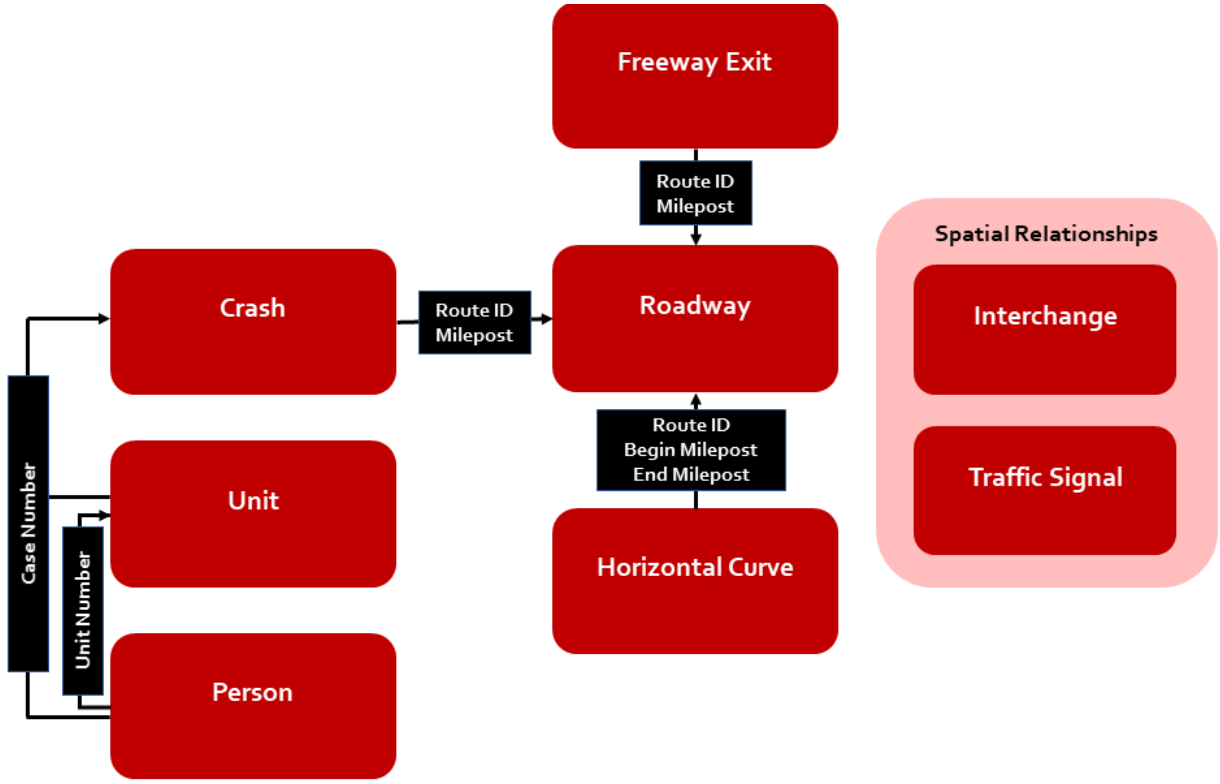
This guidebook reflects the latest high-quality data available to HSIS and the research community. Variables that were available in previous years and documented in past guidebooks may no longer be available or may be otherwise discontinued. This guidebook

represents data that are available to requestors for 2018–2022. Please consult past guidebooks or the virtual HSIS 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.(3)

Figure 2 provides an overview of the structure and relationships linking the eight files. The following sections provide a brief summary of each file.



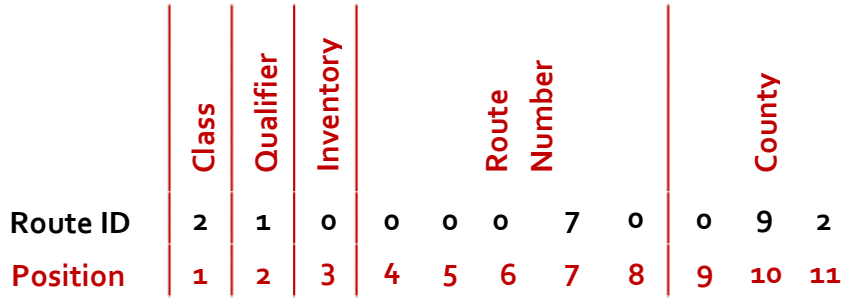
Source: FHWA.
ID = identification.

Figure 2. Chart. North Carolina HSIS data files and linking variables.

Roadway File (2018–2022)

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 (identification) 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.



Source: FHWA.

Figure 3. Illustration. Example of North Carolina's *Route ID* naming convention.

Traffic Signal File (2020-2022)

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)

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 (GS) 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 (SRs)) 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 (2018–2022)

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 (2018–2022)

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 is 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 nonlinkable crashes, as well as the difference between reportable and nonreportable crashes.

Linkable Crashes

The Crash file can be linked to Unit and Person files 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 staff. Thus crash location can be determined to be reasonably reliable.

Nonlinkable Crashes

Milepost values are unavailable for a minority of crashes, which cannot be readily linked to the Roadway Inventory file. These crashes have not been located in a postprocessing, and the only available crash location information is based on information collected by the officer at the scene of the crash. Although no simple method exists 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.

Reportable Crashes

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 (before 1996, the crash-reporting threshold was $500).

Since 2018, HSIS contains both reportable and nonreportable crashes, as well as crashes on private property and parking lots. Reportable crashes that occurred in the public right of way can be discerned using the *Reportable Status* variable. Crashes with a value of "F," "I," or "D" are reportable crashes in the public right of way according to North Carolina statute. Nonreportable crashes in the HSIS data system tend to be crashes that fall below the monetary threshold for reporting or occurred in a parking lot or on private property.

Unit File (2018–2022)

This file provides information on the vehicles or units involved in crashes on North Carolina roads. This file includes motor vehicles, bicyclists, pedestrians, and other users who 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 (2018–2022)

This file includes information on all persons involved in a crash, regardless of whether they are injured. 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 classification system (K = fatal, A = incapacitating injury, B = nonincapacitating injury; C = possible injury, and O = no injury), which provides police estimates of injury level. North Carolina adopted the standard "Suspected Serious Injury" definition[4] 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

Using the Files Together

Figure 2 highlighted the linkages between each of the eight North Carolina files. Researchers can use these files together to understand the circumstances, location, 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 values 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 that some variables have the same name in two different files in some cases. For some of these variables, this naming process is by design so that the files can be linked together. Examples of this process 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. *County* is also a variable in the Roadway file. In these cases, the HSIS Laboratory 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 tutorial example research question to demonstrate how the variables can be requested and how the variables can be linked across the files.

In this sample, a graduate student is interested in exploring signalized intersection-related crashes involving women in North Carolina. Specifically, the student is interested in injury severity at different types of intersections and under different conditions. The student is also interested in vehicle age as a surrogate for safety features of the vehicle. This feature is part 1

of their study. The graduate student anticipates undertaking part 2 for the study to spatially combine the HSIS data with county-level socioeconomic data to explore highway safety for women across the State.

The HSIS Laboratory 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 2 of the study. The following variables form the structure of the student's 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 intersection (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 the student's request are the following:

- Several variables are recorded in more than one file. For example, the variable *County* 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.

- Some variables in the student's request 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 something 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), whereas

the Unit file contains an observation for each vehicle involved in the crash. If more than one vehicle is involved in a crash, more than one row will be 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, whereas other segments may not be associated with any crashes.

Available Data

Table 2 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 data into the HSIS data system, and users should carefully consider these changes during the data collection research process.

Table 2. 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
BEGMP	Begin milepost	Roadway
COUNTY	County	Roadway
TRKROUTE	Designated truck route	Roadway
DESIGNSPD	Design speed	Roadway
ENDMP	End 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 way	Roadway
RTPVDSHLDRWIDTH	Right paved shoulder width	Roadway
RTSHLDRTYPE	Right shoulder type	Roadway
RTSHLDRWIDTH	Right shoulder width	Roadway
RODWYCLS	Roadway class	Roadway
ROUTE_ID	Route ID	Roadway
ROUTENUMBER	Route inventoried	Roadway
ROUTENAME	Route name	Roadway

Variable Name	Variable Description	Data File
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 multiunit trucks	Roadway
SU_PCT	Total percent single unit trucks	Roadway
TOWNNAME	Town	Roadway
TRAVELDIRECTION	Travel direction	Roadway
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
BEGMP	Begin milepost	Horizontal Curve
COUNTY	County	Horizontal Curve
CURVEID	Curve ID	Horizontal Curve
DEGREE	Degree of curve	Horizontal Curve
ENDLAT	End latitude	Horizontal Curve

Variable Name	Variable Description	Data File
ENDLON	End longitude	Horizontal Curve
ENDMP	End milepost	Horizontal Curve
LENGTHFT	Length	Horizontal Curve
RADIUSFT	Radius	Horizontal Curve
ROUTE_ID	Route ID	Horizontal Curve
ROUTENAME	Route name	Horizontal Curve
EXITNAME	Exit name	Freeway Exit
EXITNUMBER	Exit number	Freeway Exit
MILEPOST	Milepost	Freeway Exit
ROUTE_ID	Route ID	Freeway Exit
ACCESS	Access control (Crash Report)	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 the Toward Road	Crash
REFDISFT	Distance from the From Road in feet	Crash
REFDISMI	Distance from the From Road 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	Nonmotorist count	Crash
NON_REP	Nonreportable	Crash
NBR_LANE	Number of lanes (crash report)	Crash
NUM_UNIT	Number of vehicle plus pedestrian plus 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
RODWYCLS	Roadway class	Crash
RD_CONF	Road configuration	Crash
RD_PAVE	Road surface type	Crash

Variable Name	Variable Description	Data File
ROADCONT1	Roadway contributing circumstance 1	Crash
ROADCONT2	Roadway contributing circumstance 2	Crash
ROUTE_ID	Route ID	Crash
RTE_NBR	Route number	Crash
RURURB	Rural-urban identification	Crash
RDSURF	Surface condition	Crash
TIME	Time of day (24-hour clock)	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 hazardous materials number bottom placard	Unit
HAZ_NUM4	4-Digit hazardous materials number bottom placard	Unit
ALCFLAG	Alcohol flag	Unit
AMTDAMG	Amount of 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	Commercial driver's license 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 vehicle weight	Unit
AXLE_NBR	Commercial carrier number of axles	Unit
CC_ZIP	Commercial carrier ZIP code	Unit
PEDCONT1	Contributing circumstances, nonmotorist 1	Unit
PEDCONT2	Contributing circumstances, nonmotorist 2	Unit
DIR_TRVL	Direct travel on route	Unit
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

Variable Name	Variable Description	Data File
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 in feet	Unit
LIC_STAT	License State	Unit
VEHYR	Model year of vehicle	Unit
MOSTHARM	Most harmful event	Unit
PEDACT	Nonmotorist action	Unit
PED_LOC	Nonmotorist location prior to crash	Unit
AXLES	Number of axles for trailer 1	Unit
AXLES2	Number of axles for trailer 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
PTCONT4	Point of contact 4	Unit
PTCONT5	Point of contact 5	Unit
FIRE	Postcrash fire	Unit
SPDLIM	Posted speed limit	Unit
LICRESTR	Restriction on driver license	Unit
SCH_BUS1	School bus contact vehicle	Unit
SCH_BUS2	School bus noncontact 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

Variable Name	Variable Description	Data File
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—driving while intoxicated	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
AIRDEPL	Airbag deployed	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

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 = road does not have any degree of access control.
- Partial = road has partial access control.
- Full = road has full access control.

Annual Average Daily Traffic

Variable Name: AADT

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

Field Type: Numeric.

Begin Milepost

Variable Name: BEGMP

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

Field Type: Numeric.

County

Variable Name: COUNTY

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

Field Type: Coded:

- 1 = Alamance
- 2 = Alexander.
- 3 = Allegheny.
- 4 = Anson.
- 5 = Ashe.
- 6 = Avery.
- 7 = Beaufort.
- 8 = Bertie.
- 9 = Bladen.
- 10 = Brunswick.
- 11 = Buncombe.
- 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.

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)).

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.

End Milepost

Variable Name: ENDMP

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

Field Type: Numeric.

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.

Functional Class

Variable Name: FUNCCLASS

Definition: A classification system of roads based on the character of traffic service that they are intended to provide. FHWA approves the changes, which are 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.

Highway Division Route

Variable Name: DIVISION

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

Field Type: Numeric.

Lane Width

Variable Name: LANEWIDTH

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

Field Type: Numeric.

Left Paved Shoulder Width

Variable Name: LFTPVDSHLDRWIDTH

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

Field Type: Numeric.

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.

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 a combination shoulder is present, such as bituminous and grass.

Field Type: Numeric.

Median Type

Variable Name: MEDIANTYPE

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

Additional Information: No data indicates that no median is present and 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 2 ft 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 (e.g., a grass median with a cable guardrail is coded as a flexible positive barrier (FPB)).

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 (used for legacy data; eventually unspecified positive barriers will be coded as SRPB, RPB, or FPB).
- Grass = grass (includes cable guardrail).
- Striped = striped (painted pavement).

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 ft), the entire median width is stored on the segment. Negative numbers should be ignored. *Median Widths* do not contain turn lanes.

Field Type: Numeric.

Municipal Population Group

Variable Name: MUNPOPGROUP

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

Field Type: Coded:

- 1 = <1,000 population (municipality population < 1,000).
- 2 = 1,000 to 2,499 (municipality population between 1,000 and 2,500).
- 3 = 2,500 to 4,999 (municipality population between 2,500 and 5,000).
- 4 = 5,000 to 9,999 (municipality population between 5,000 and 10,000).
- 5 = 10,000 to 24,999 (municipality population between 10,000 and 25,000).
- 6 = 25,000 to 49,999 (municipality population between 25,000 and 50,000).
- 7 = 50,000 to 99,999 (municipality population between 50,000 and 100,000).
- 8 = >100,000 (municipality population > 100,000).

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.[5] New routes can also be added to the National Highway System (NHS).[6] 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 passenger train station (NHS connector—major passenger train station).
- 5 = major rail/truck terminal (NHS connector—major rail/truck terminal).
- 6 = major intercity bus terminal (NHS connector—major intercity bus terminal).
- 7 = major public transit terminal/multimodal 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).[7]

Number of Lanes—Total*

Variable Name: THRULANECOUNT

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

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

Field Type: Numeric.

Posted Routes

Variable Name: POSTEDROUTE

Definition: A system of designated SRs where truck traffic with axle weights exceeding 13,000 lbs 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 are available.

Field Type: Text.

Right of Way

Variable Name: ROW

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

Additional Information: ROW can vary continuously along the road. The data have been generalized in areas of widely varying ROWs to represent significant changes.

Field Type: Numeric.

*Variable was created by the HSIS Laboratory.

Right Paved Shoulder Width

Variable Name: RTPVDSHLDRWIDTH

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

Field Type: Numeric.

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 code refers to the outside shoulder. On undivided roads, the code 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.

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* variable is greater than the *Right Paved Shoulder Width* variable, then a combination shoulder is present, such as bituminous and grass.

Field Type: Numeric.

Roadway Class[†]

Variable Name: RODWYCLS

Definition: 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:

- Urban freeways.
- Urban freeways less than four lanes.
- Urban two-lane roads.
- Urban multilane divided nonfreeway.
- Urban multilane undivided nonfreeway.
- Rural freeways.
- Rural freeways less than four lanes.
- Rural two-lane roads.
- Rural multilane divided nonfreeway.
- Rural multilane undivided nonfreeway.
- Others.

Route ID

Variable Name: ROUTE_ID

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 3 digits of the route number are the 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 was created by the HSIS Laboratory.

Route Inventoried

Variable Name: ROUTENUMBER

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

Field Type: Numeric.

Route Name

Variable Name: ROUTENAME

Definition: The NCDOT name of the dominant route. The name 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.

Route Type

Variable Name: ROUTECLASS

Definition: The NCDOT route class code for the dominant route. The route class drives the first digit of the *Route ID*. This ID number 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 = U.S. route (US) (State maintained)
- 3 = NC route (NC) (State maintained).
- 4 = SR (State maintained).
- 5 = nonsystem route(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 toward State-maintained mileage).
- 81 = rest areas (RST) (typically State maintained but not counted toward State-maintained mileage).
- 89 = non-mainline (NML) (typically State maintained but not counted toward State-maintained mileage).
- 9 = projected (PRJ) (generalized locations of major facilities that have not yet been built).

Rural/Urban Designated by Population

Variable Name: URBANPOP

Definition: Population based on the urban area within which the segment is located.

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 > 200,000).

Rural Urban Identification

Variable Name: URBANID

Definition: The designated code of the urban area within which the segment is location.

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.

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 three-dimensional measures generated from LiDAR data (e.g., 0.35).

Field Type: Numeric.

Speed Limit

Variable Name: SPEEDLIMIT

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

Additional Information: These data come from traffic ordinances governing speed limit; where no ordinance exists, the speed limit is 35 mph within municipalities and 55 mph outside.

Field Type: Numeric.

Street Name

Variable Name: STREETNAME

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

Field Type: Text.

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 > 20 ft).
- Tunnel = tunnel.
- Causeway = causeway.

Surface Type

Variable Name: SRFCTYPE

Definition: The surface type of the segment.

Field Type: Coded:

- Unpaved = unpaved.
- Bitum = bituminous.
- JPCP = jointed plain concrete pavement.
- CRCP = continuously reinforced concrete pavement.
- AC_AC = asphalt concrete overlay over existing asphalt concrete 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.).

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, the surface width is the paved width on that side of the median. On paved roads, the *Surface Width* is the edge of the pavement to the edge of the pavement (includes paved shoulders).

Field Type: Numeric.

Terrain

Variable Name: TERRAINTYPE

Definition: Generalized terrain classification.

Field Type: Coded:

- 1 = level.
- 2 = rolling.
- 3 = mountainous.

Toll Charged

Variable Name: TOLLCHARGED

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

Field Type: Coded:

- OneDir = one direction (toll charged in one direction only).
- BothDir = both directions (toll charged in both directions).
- None = no toll charged (no toll charged on the toll road).

Total Percent Multiunit Trucks

Variable Name: MU_PCT

Definition: Percentage of AADT that are multiunit trucks (FHWA Classes 8–13) (e.g., 0.0393).[8]

Field Type: Numeric.

Total Percent Single Unit Trucks

Variable Name: SU_PCT

Definition: Percentage of AADT that are single-unit trucks (FHWA Classes 4–7) (e.g., 0.0669).[8]

Field Type: Numeric.

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 are available.

Field Type: Text.

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.

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 BR. 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 (RS) 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 RS 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 that 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. Upgrading of unsafe features and other incidental work may occur. If RS is done as a final stage of construction, the preceding stage (relocation, reconstruction, MI, 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 (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 (SIs such as crack sealing, diamond grinding, subsealing, joint repair, slurry seal, asphalt surface treatment, etc.).
- OT = other (other types of improvements).

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.

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.

Traffic Signal File

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.

County

Variable Name: COUNTY

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

Field Type: Text.

Latitude

Variable Name: LATITUDE

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

Field Type: Numeric.

Location

Variable Name: LOCATION

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

Field Type: Text.

Longitude

Variable Name: LONGITUDE

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

Field Type: Numeric.

Signal Inventory Number

Variable Name: SIGNAL

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

Field Type: Text.

Signal System Number

Variable Name: SIGNAL_SYS

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

Field Type: Coded:

- Numerical value = related signal system number.
- Isolated = signal is not contained within a signal system.

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.

System Description

Variable Name: SYSTEM_DES

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

Field Type: Text.

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.

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.

Interchange File

Interchange File

County

Variable Name: COUNTY

Definition: County in which the interchange is located.

Field Type: Coded:

- 1 = Alamance.
- 2 = Alexander.
- 3 = Allegheny.
- 4 = Anson.
- 5 = Ashe.
- 6 = Avery.
- 7 = Beaufort.
- 8 = Bertie.
- 9 = Bladen.
- 10 = Brunswick.
- 11 = Buncombe.
- 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.

Interchange ID

Variable Name: INTERCHANG

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

Field Type: Text.

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.

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.

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.

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.

Urban Area

Variable Name: SMOOTHURBA

Definition: Indicator that interchange is location within a census-defined urbanized area boundary (2010 U.S. Census definitions).[9]

Field Type: Coded:

- Yes = interchange is located within a census-defined urbanized area.
- No = interchange is not located within a census-defined urbanized area.

Horizontal Curve File

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.

Begin Longitude

Variable Name: BEGINLON

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

Field Type: Numeric.

Begin Milepost

Variable Name: BEGMP

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

Field Type: Numeric.

County

Variable Name: COUNTY

Definition: Numerical value of counties in alphabetical order.

Field Type: Coded:

- 1 = Alamance.
- 2 = Alexander.
- 3 = Allegheny.
- 4 = Anson.
- 5 = Ashe.
- 6 = Avery.
- 7 = Beaufort.
- 8 = Bertie.
- 9 = Bladen.
- 10 = Brunswick.
- 11 = Buncombe.
- 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.

Curve ID

Variable Name: CURVEID

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

Field Type: Numeric.

Degree of Curve

Variable Name: DEGREE

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

Field Type: Numeric.

End Latitude

Variable Name: ENDLAT

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

Field Type: Numeric.

End Longitude

Variable Name: ENDLON

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

Field Type: Numeric.

End Milepost

Variable Name: ENDMP

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

Field Type: Numeric.

Length

Variable Name: LENGTHFT

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

Field Type: Numeric.

Radius

Variable Name: RADIUSFT

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

Field Type: Numeric.

Route ID

Variable Name: ROUTE_ID

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.

Route Name

Variable Name: ROUTENAME

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

Field Type: Text.

Freeway Exit File

Freeway Exit File

Exit Name

Variable Name: EXITNAME

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

Field Type: Text.

Exit Number

Variable Name: EXITNUMBER

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

Field Type: Text.

Milepost

Variable Name: MILEPOST

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

Field Type: Numeric.

Route ID

Variable Name: ROUTE_ID

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.

Crash File

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.

Alcohol/Drugs in Crash

Variable Name: ALCFLAG

Definition: Indicates if alcohol and/or drugs were a contributing factor in the crash.

Field Type: Coded:

- N = no alcohol or drugs.
- Y = intoxication code 2 or 3.

Bicycle Flag

Variable Name: BIKEFLAG

Definition: Bicycle in crash.

Field Type: Coded:

- N = not a bicycle crash.
- Y = bicycle crash.

Case Number

Variable Name: CASENO

Definition: A unique number assigned to the crash report by NC Department of Motor Vehicles (DMV). This value is the primary linking variable between Crash, Vehicle, and Person files (e.g., 105369233).

Field Type: Numeric.

City

Variable Name: CITY

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

Field Type: Coded:

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

- 53 = Boardman.
- 54 = Boiling Spring Lakes.
- 55 = Boiling Springs.
- 56 = Bolivia.
- 57 = Bolton.
- 58 = Boone.
- 59 = Boonville.
- 60 = Bostic.
- 61 = Brevard.
- 62 = Bridgeton.
- 63 = Broadway.
- 64 = Brookford.
- 65 = Brunswick.
- 66 = Bryson City.
- 67 = Bunn.
- 68 = Bunnlevel.
- 69 = Burgaw.
- 70 = Burlington.
- 71 = Burnsville.
- 72 = Butner.
- 73 = Cajah's 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 = Dellview.
- 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 = Margarettsville.
- 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 = McDonald.
- 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.
- 662 = Duck.
- 663 = Red Cross.
- 664 = Colfax.
- 665 = Willow Spring.
- 666 = Wise.
- 667 = Snow Camp.
- 668 = Skyland.
- 669 = Laural Hill.
- 670 = Grantham.
- 671 = Brown Summit.
- 672 = Rex.
- 673 = Chesapeake-Va.
- 674 = Raleigh Durham Airport.
- 675 = Piedmont Triad Airport.
- 676 = Kelly.
- 677 = Ammon.
- 678 = Corolla.
- 679 = Pfafftown.
- 680 = Eli Whitney.
- 681 = Swan Quarter.
- 682 = Engelhard.
- 683 = Virginia Beach-Va.
- 684 = Mills River.
- 685 = Supply.

- 686 = Barco.
- 687 = Alexis.
- 688 = Grandy.
- 689 = Ridgeway.
- 690 = Sligo.
- 691 = Point Harbor.
- 692 = Jarvisburg.
- 693 = Farmington.
- 694 = Salter Path.
- 695 = Fort Barnwell.
- 696 = Cedar Grove.
- 697 = Merry Hill.
- 698 = Pleasant Hill.
- 699 = Ruffin.
- 700 = Ivanhoe.
- 701 = Ingold.
- 703 = Union Grove.
- 704 = Saxapahaw.
- 705 = Stony Point.
- 706 = Coleridge.
- 707 = Deep Run.
- 708 = Hillsdale.
- 709 = Misenheimer.
- 710 = Gold Rock.
- 711 = Coinjock.
- 712 = Fort Bragg.
- 713 = Ossipee.
- 714 = Wallburg.
- 715 = Midway.
- 716 = Castle Hayne.
- 717 = Welcome.
- 718 = Eastover.
- 719 = Cherokee Reservation.
- 720 = Elon.
- 721 = Archer Lodge.
- 722 = Fontana Dam.

City Population

Variable Name: CTY_POP

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

Field Type: Numeric.

County

Variable Name: COUNTY

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

Field Type: Coded:

- 1 = Alamance.
- 2 = Alexander.
- 3 = Allegheny.
- 4 = Anson.
- 5 = Ashe.
- 6 = Avery.
- 7 = Beaufort.
- 8 = Bertie.
- 9 = Bladen.
- 10 = Brunswick.
- 11 = Buncombe.
- 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 = Care.
- 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.

Crash Date

Variable Name: CRASH_DATE

Definition: Date crash occurred (MMDDYY).

Field Type: Date.

Crash Severity

Variable Name: SEVERITY

Definition: Documents the most severe injury, which can be fatal injury.

Field Type: Coded:

- 1 = fatal (K).
- 2 = suspected serious injury (A).
- 3 = suspected minor injury (B).
- 4 = possible injury (C).
- 5 = no injury (O).
- 6 = unknown.

Development Amount

Variable Name: DEVELOP

Definition: The predominant type of development in the area in which the collision occurred (e.g., commercial (mainly retail stores) or institutional (schools, hospitals, government buildings)).

Field Type: Coded:

- 1 = farms, woods, or pastures.
- 2 = residential.
- 3 = commercial.
- 4 = institutional.
- 5 = industrial.
- 6 = unknown.

Direction Toward the Toward Road

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.

Distance From the From Road in Feet

Variable Name: REFDISFT

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

Field Type: Numeric.

Distance From the From Road in Miles

Variable Name: REFDISMI

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

Field Type: Numeric.

First Harmful Event

Variable Name: ACCTYPE

Definition: The first injury or damage-producing event that 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 noncollision.
- 14 = pedestrian.
- 15 = pedalcyclist.
- 16 = railroad train or engine.
- 17 = animal.
- 18 = movable object.
- 19 = fixed object.
- 20 = parked motor vehicle.
- 21 = rear end, slow or stop.
- 22 = rear end or 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.

From Road

Variable Name: FRM_RD

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

Field Type: Numeric.

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 = U.S. route.

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.

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 percent or about one-third 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 percent developed).
- 2 = mixed (30 to 70 percent developed).
- 3 = urban (>70 percent developed).

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 intersection.
- 12 = related to intersection.
- 13 = nonintersection median crossing.
- 14 = end or beginning of divided highway.
- 15 = off-ramp entry (approach to an exit ramp serving as a connection from a major roadway to a minor roadway).
- 16 = off-ramp proper (length of the ramp between the off-ramp entry and the off-ramp terminal).

- 17 = off-ramp terminal on crossroad (intersection of an exit ramp with the destination route).
- 18 = merge lane between on- and off-ramps.
- 19 = on-ramp entry (an entrance ramp serving as a connection from a minor roadway to a major roadway.)
- 20 = on-ramp proper (length of the ramp between the on-ramp and the on-ramp terminal).
- 21 = on-ramp terminal on crossroad (roadway area where an on-ramp joins the destination route).
- 22 = railroad (RR) crossing.
- 23 = tunnel.
- 24 = shared-use paths or trails.
- 25 = other.

Milepost

Variable Name: MILEPOST

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

Field Type: Numeric.

Most Harmful Event

Variable Name: MOSTHARM

Definition: Record of the event that produced the greatest property damage or most severe injury in the crash. Note that a similar vehicle is also recorded at the unit level. If several vehicles are involved in a crash, the police 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 noncollision.

- 14 = pedestrian.
- 15 = pedalcycle.
- 16 = RR train or 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.

Nonmotorist Count

Variable Name: NONMTCNT

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

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Nonreportable

Variable Name: NON_REP

Definition: Some locals may choose to report crashes that do not meet the State's criteria for a reportable crash. If these reports are submitted to the State, the nonreportable box is checked. As indicated on page 1 and on the top cover sheet for the DMV-349,[10] 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 "nonreportable" check box will be used to direct requests for copies of nonreportable crashes back to the originating agency that investigated the crash.

Field Type: Coded:

1 = no.
2 = yes.

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.

Number of Vehicle plus Pedestrian plus Bike

Variable Name: NUM_UNIT

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

Field Type: Numeric.

Pedestrian Flag

Variable Name: PEDFLAG

Definition: Whether the accident involved pedestrians.

Field Type: Coded:

- N = not pedestrian accident.
- Y = pedestrian accident.

Railroad Crossing Number

Variable Name: RRX_NUM

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

Additional Information: Null indicates no data are available.

Field Type: Text.

Ramp or Service Road

Variable Name: RMP_SVRD

Definition: Crash occurred on a ramp or service road.

Additional Information: Null indicates no data are available.

Field Type: Coded:

- Blank = no.
- 1 = yes.

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.

Reportable Status

Variable Name: REPORT

Definition: Documents the type of accident (i.e., fatal, injury, property damage, private property, or nonreportable).

Field Type: Coded:

- D = property damage only.
- F = fatal.
- I = injury.
- N = nonreportable.
- P = private property.
- X = PVA property damage.
- Y = PVA injury.
- Z = PVA fatal.
- = unknown.

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.

Roadway Class

Variable Name: RODWYCLS

Definition: 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:

- urban freeways.
- urban freeways less than four lanes.
- urban two-lane roads.
- urban multilane divided nonfreeway.
- urban multilane undivided nonfreeway.
- others.
- rural freeways.
- rural freeways less than four lanes.
- rural two-lane roads.
- rural multilane divided nonfreeway.
- rural multilane undivided nonfreeway.

Road Configuration

Variable Name: RD_CONF

Definition: A code indicating whether a trafficway is divided and whether it serves one-way or two-way traffic. Note that a 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.

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) and 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.

Roadway Contributing Circumstance 1

Variable Name: ROADCONT1

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 (TCD) inoperative, not visible or uncoded.
- 08 = shoulders low, soft, or high.
- 09 = no shoulders.
- 10 = nonhighway work.
- 11 = other.
- 12 = unknown.

Roadway Contributing Circumstance 2

Variable Name: 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 = TCD inoperative, not visible or uncoded.
- 08 = shoulders low, soft, or high.
- 09 = no shoulders.
- 10 = nonhighway work.
- 11 = other.
- 12 = unknown.

Route ID

Variable Name: ROUTE_ID

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.

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.

Rural-Urban Identification

Variable Name: RURURB

Definition: Indicates if the city is considered rural or urban.

Field Type: Coded:

- R = rural.
- U = urban.

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 to provide information for setting coefficient of pavement friction standards. This information is 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.

Time of Day (24-Hour Clock)

Variable Name: TIME

Definition: Date and time crash occurred.

Field Type: Date in HH:MM formatting.

Toward Road

Variable Name: TO_RD

Definition: *Toward Road* is 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 are available.

Field Type: Numeric.

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 = U.S. route.

Total Property Damage

Variable Name: PROPDAM

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

Field Type: Numeric.

Traffic Control Operating

Variable Name: TRF_OPER

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

Field Type: Coded:

1 = yes.
2 = no.
3 = unknown.

Traffic Control Type

Variable Name: TRF_CNTL

Definition: The type of TCD present at the collision site and whether it was operating and visible at the time. Examples include RR cross bucks only (the black on white cross-arm device) and human control (law officer, RR flagman, etc.). This data element must be 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.

Weather Condition 1

Variable Name: WEATHER1

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.

Weather Condition 2

Variable Name: 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.

Weather Contributed to Accident

Variable Name: WETHCONT

Definition: Indicator that weather contributed to the accident.

Field Type: Coded:

1 = yes.
2 = no.
3 = unknown.

Work Zone Activity

Variable Name: WZ_ACT

Definition: Whether activity was present in the work zone when the crash occurred.

Field Type: Coded:

- 1 = on-going activity.
- 2 = no apparent activity.

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 = none.

Work Zone Crash Location

Variable Name: WZ_LOC

Definition: The part of work zone where the crash occurred.

Field Type: Coded:

- 1 = before work area.
- 2 = in work area approach taper.
- 3 = adjacent to actual work area.

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.

Unit File

Unit File

1-Digit HAZMAT Number Bottom Placard

Variable Name: HAZ_NUM1

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

Additional Information: Null indicates no data are available.

Field Type: Numeric.

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 are available.

Field Type: Numeric.

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 = negative test for alcohol or other drugs.
- Y = positive test for alcohol or other drugs.

Amount Damage to Vehicle

Variable Name: AMTDAMG

Definition: Dollar estimate of the cost to restore the vehicle to its condition just before the crash or an estimate of the value of the vehicle before the crash, whichever is less (e.g., 10,000).

Field Type: Numeric.

Bicycle Flag

Variable Name: BIKEFLAG

Definition: Indicator that unit represents a pedalcyclist.

Field Type: Coded:

- N = not a pedalcyclist.
- Y = pedalcyclist.

Cargo Body Type

Variable Name: BODY

Definition: Cargo body type.

Field Type: Coded:

- 01 = bus (seats for 16 or more people, including driver).
- 02 = bus (seats for fewer than 16 people, including driver).
- 03 = van/enclosed box.
- 04 = grain, chips, or 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.

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 = logbook.

Case Number

Variable Name: CASENO

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

Field Type: Numeric.

CDL Indicator

Variable Name: CDL_IND

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

Field Type: Coded:

Null = no.
1 = yes.

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.

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.
- AE = Military ZIP codes 090–098.
- BA = Baja Norte, MX.
- BC = British Columbia.
- BJ = Baja Sur, MX.
- CH = Chihuahua, MX.
- CI = Chiapas, MX.
- CL = Colima, MX.
- CM = Campeche, MX.
- CU = Coahuila, MX.
- DC = Washington, DC.
- DF = Distrito Federal, MX.
- DO = Durango, MX.
- GR = Guerrero, MX.
- GU = Guam.
- HL = Hidalgo, MX.
- JL = Jalisco, MX.
- MB = Manitoba.
- MC = Michoacan, MX.
- MR = Morelos, MX.
- MX = Mexico.
- NA = Nayarit.
- NB = New Brunswick.
- NF = Newfoundland.
- NL = Nuevo Leon, MX.
- NS = Nova Scotia.
- OA = Oaxaca, MX.
- ON = Ontario.
- OT = Other.
- PB = Puebla, MX.
- PE = Prince Edward Island.
- PQ = Province 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 = Aguascalientes, MX.
- AP = Military ZIP codes 962–966.
- CN = Canada.

Commercial Carrier City

Variable Name: CC_CITY

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

Additional Information: Null indicates no data are available.

Field Type: Text.

Commercial Carrier Gross Vehicle Weight

Variable Name: GVWR_WGT

Definition: The commercial motor vehicle's gross vehicle weight rating (e.g., 81,000).

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Commercial Carrier Number of Axles

Variable Name: AXLE_NBR

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

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Commercial Carrier ZIP Code

Variable Name: CC_ZIP

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

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Contributing Circumstances, Nonmotorist 1

Variable Name: PEDCONT1

Definition: Nonmotorist contributing circumstances.

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.

Contributing Circumstances, Nonmotorists 2

Variable Name: PEDCONT2

Definition: Nonmotorist contributing circumstances.

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.

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.

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 >30 ft.
- 05 = left of road 0–10 ft.
- 06 = left of road 11–30 ft.
- 07 = left of road >30 ft.
- 08 = straight ahead 0–10 ft.
- 09 = straight ahead 11–30 ft.
- 10 = straight ahead >30 ft.

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 are available.

Field Type: Numeric.

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.

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 blood alcohol concentration (BAC)).
- 3 = other drugs reported.
- 4 = contaminated sample/unusable.
- 5 = pending.
- 6 = unknown.

Driver Blood Alcohol Percentage

Variable Name: DRV_BAC

Definition: Driver's blood alcohol percentage (e.g., 0.06).

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Driver City

Variable Name: DRV_CITY

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

Field Type: Text.

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.

Driver/Pedestrian Age

Variable Name: DRV_AGE

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

Field Type: Numeric.

Driver/Pedestrian Injury

Variable Name: DRV_INJ

Definition: Injury severity of the driver or pedestrian.

Field Type: Coded:

- 1 = Fatal (K).
- 2 = Suspected serious injury (A).
- 3 = Suspected minor injury (B).
- 4 = Possible injury (C).
- 5 = No injury (O).
- 6 = Unknown.

Driver/Pedestrian Race

Variable Name: DRV_RACE

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

Field Type: Coded:

- 1 = white.
- 2 = black.
- 3 = Native American.
- 4 = Hispanic.
- 5 = Asian.
- 6 = other.
- 7 = unknown.

Driver/Pedestrian Seat Position

Variable Name: DRV_SEAT

Definition: Seat position of the driver/pedestrian. (Note that pedestrians are units in North Carolina.)

Field Type: Coded:

- 1 = front—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.

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.

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.

Driver ZIP Code

Variable Name: DRV_ZIP

Definition: Identifies the ZIP code in which the driver or nonmotorist currently resides (e.g., 281703164).

Field Type: Numeric.

Emergency Vehicle Use

Variable Name: EMERGUSE

Definition: Emergency vehicle use.

Field Type: Coded:

- 1 = fire truck.
- 2 = ambulance.
- 3 = military.
- 4 = police.
- 5 = other.

Estimated Original Speed

Variable Name: TRVL_SPD

Definition: Speed the vehicle was traveling before 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 = >85 mph.

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.

Hazardous Cargo

Variable Name: HAZMAT

Definition: Indicates whether this vehicle was carrying hazmats.

Field Type: Coded:

- = blank.
- 0 = unknown.
- 1 = hazardous material.
- 2 = no hazardous material.

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.

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.

Insurance Indicator

Variable Name: INSURED

Definition: Indicates whether driver has insurance.

Field Type: Coded:

- 0 = unknown.
- 1 = yes.
- 2 = no.

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 are available.

Field Type: Numeric.

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 are available.

Field Type: Numeric.

License State

Variable Name: LIC_STAT

Definition: Identifies the State that issued the driver's license to the driver or nonmotorist.

Field Type: Coded:

- AB = Alberta.
- AE = Military ZIP codes 090–098.
- BA = Baja Norte, MX.
- BC = British Columbia.
- BJ = Baja Sur, MX.
- CH = Chihuahua, MX.
- CI = Chiapas, MX.
- CL = Colima, MX.
- CM = Campeche, MX.
- CU = Coahuila, MX.
- DC = Washington, DC.
- DF = Distrito Federal, MX.
- DO = Durango, MX.
- GR = Guerrero, MX.
- GU = Guam.
- HL = Hidalgo, MX.
- JL = Jalisco, MX.
- MB = Manitoba.
- MC = Michoacan, MX.
- MR = Morelos, MX.
- MX = Mexico.
- NA = Nayarit.
- NB = New Brunswick.
- NF = Newfoundland.
- NL = Nuevo Leon, 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 = Aguascalientes, MX.
- AP = Military ZIP codes 962–966.
- CN = Canada.

Model Year of Vehicle

Variable Name: VEHYR

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

Field Type: Numeric.

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 noncollision.
- 14 = pedestrian.
- 15 = pedalcyclist.
- 16 = RR train or 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 nonbreakaway.
- 36 = luminaire pole breakaway.
- 37 = official highway sign nonbreakaway.
- 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.

Nonmotorist Action

Variable Name: PEDACT

Definition: Nonmotorist 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.

Nonmotorist Location Prior to Crash

Variable Name: PED_LOC

Definition: Location of the nonmotorist prior to the crash.

Field Type: Coded:

- 01 = marked crosswalk at intersection.
- 02 = at intersection but no crosswalk.
- 03 = nonintersection 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.

Number of Axles for Trailer 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 are available.

Field Type: Numeric.

Number of Axles for Trailer 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 are available.

Field Type: Numeric.

On Road

Variable Name: ON_RD

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

Field Type: Numeric.

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 = U.S. route.

Pedestrian Flag

Variable Name: PEDFLAG

Definition: Indicator that unit represents a pedestrian.

Field Type: Coded:

- N = not a pedestrian.
- Y = pedestrian.

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.

Point of Contact 1

Variable Name: PTCONT1

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

Field Type: Coded:

- 0 = pedestrian and noncontact 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.

Point of Contact 2

Variable Name: PTCONT2

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

Field Type: Coded:

- 0 = pedestrian and noncontact 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.

Point of Contact 3

Variable Name: PTCONT3

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

Field Type: Coded:

- 0 = pedestrian and noncontact 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.

Point of Contact 4

Variable Name: PTCONT4

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

Field Type: Coded:

- 0 = pedestrian and noncontact 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.

Point of Contact 5

Variable Name: PTCONT5

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

Field Type: Coded:

- 0 = pedestrian and noncontact 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.

Postcrash Fire

Variable Name: FIRE

Definition: Whether the crash resulted in a fire.

Field Type: Coded:

- 0 = no.
- 1 = yes.
- 2 = unknown.

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.

Restriction on Driver License

Variable Name: LICRESTR

Definition: Restriction on driver license.

Field Type: Unit.

School Bus Contact Vehicle

Variable Name: SCH_BUS1

Definition: Whether this vehicle was a school bus and was a contact vehicle in this crash.

Field Type: Coded:

- 0 = no.
- 1 = yes.
- 2 = unknown.

School Bus Noncontact Vehicle

Variable Name: SCH_BUS2

Definition: Whether the vehicle was a school bus and was a noncontact vehicle in this crash.

Field Type: Coded:

- 0 = no.
- 1 = yes.
- 2 = unknown.

Sequence of Events 1

Variable Name: EVENT1

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 noncollision.
- 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 nonbreakaway.
- 36 = luminaire pole breakaway.
- 37 = official highway sign nonbreakaway.
- 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.

Sequence of Events 2

Variable Name: EVENT2

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 noncollision.
- 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 nonbreakaway.
- 36 = luminaire pole breakaway.
- 37 = official highway sign nonbreakaway.
- 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.

Sequence of Events 3

Variable Name: EVENT3

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 noncollision.
- 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 nonbreakaway.
- 36 = luminaire pole breakaway.
- 37 = official highway sign nonbreakaway.
- 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.

Sequence of Events 4

Variable Name: 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 noncollision.
- 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 nonbreakaway.
- 36 = luminaire pole breakaway.
- 37 = official highway sign nonbreakaway.
- 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.

TAD 1 (Area of Damage) Location

Variable Name: V_DAMAGE

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 and 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 and 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.

TAD 2 Location

Variable Name: V_DAMAGE2

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 and 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 and 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.

TAD 3 Location

Variable Name: 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 and 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 and 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.

TAD 1 Severity

Variable Name: DAMSEV

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.

TAD 2 Severity

Variable Name: DAMSEV2

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.

TAD 3 Severity

Variable Name: 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.

Tire Impressions in Feet

Variable Name: TIRESKID

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

Additional Information: Null indicates no data are available.

Field Type: Numeric.

Total Occupants in Vehicle

Variable Name: OCPNT_CNT

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

Field Type: Numeric.

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-semitrailer.
- 08 = tanker.
- 09 = enclosed van.
- 10 = flatbed or platform.
- 11 = other semitrailer.
- 12 = double trailer.

Unit Number

Variable Name: UNT_NBR

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

Field Type: Numeric.

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.

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.

Vehicle Drivable

Variable Name: DRIVABLE

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

Field Type: Coded:

- 0 = no.
- 1 = yes.
- 2 = unknown.

Vehicle Make

Variable Name: MAKENAME

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

Field Type: Text.

Vehicle Maneuver/Pedestrian Action

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.

Vehicle Owner City

Variable Name: OWN_CITY

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

Field Type: Text.

Vehicle Owner ZIP Code

Variable Name: OWN_ZIP

Definition: Vehicle owner's ZIP code (e.g., 28170).

Field Type: Numeric.

Vehicle Seizure DWI

Variable Name: VEH_SEIZ

Definition: Whether this vehicle was seized due to a driving while intoxicated (DWI) violation.

Field Type: Coded:

- 0 = no.
- 1 = yes.
- 2 = unknown.

Vehicle Type

Variable Name: VEHTYPE

Definition: Type of vehicle involved in the crash.

Field Type: Coded:

- 01 = passenger car.
- 02 = pickup.
- 03 = light truck (minivan, panel).
- 04 = sport utility.
- 05 = van.
- 06 = commercial bus.

- 07 = school bus.
- 08 = activity bus.
- 09 = other bus.
- 10 = single unit truck (two-axle, six-tire).
- 11 = single unit truck (three axles or more).
- 12 = truck/trailer.
- 13 = truck/tractor.
- 14 = tractor/semitrailer.
- 15 = tractor/doubles.
- 16 = unknown heavy truck.
- 17 = taxicab.
- 18 = farm equipment.
- 19 = farm tractor.
- 20 = motorcycle.
- 21 = moped.
- 22 = motor scooter or motor bike.
- 23 = pedalcycle.
- 24 = pedestrian.
- 25 = motor home/recreational vehicle.
- 26 = other.
- 27 = all-terrain vehicle.
- 28 = fire truck.
- 29 = emergency medical service (EMS) vehicle, ambulance, rescue.
- 30 = military.
- 31 = police.
- 3 2= unknown.

Vehicle Underride/Override

Variable Name: UNDEROVR

Definition: Whether the 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 nor override.
- 4 = unknown.

Violating/Contributing Factor 1

Variable Name: CONTRIB1

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 ROW.
- 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, or nonmotorist.
- 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 (e.g., cell phone, texting).
- 36 = driver distracted by other electronic device (e.g., navigation device, DVD player).
- 37 = driver distracted by other inside the vehicle.
- 38 = driver distracted by external distraction (outside the vehicle).

Violating/Contributing Factor 2

Variable Name: CONTRB2

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 ROW.
- 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, or nonmotorist.
- 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 (e.g., cell phone, texting).
- 36 = driver distracted by other electronic device (e.g., navigation device, DVD player).
- 37 = driver distracted by other inside the vehicle.
- 38 = driver distracted by external distraction (outside the vehicle).

Violating/Contributing Factor 3

Variable Name: 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 ROW.

- 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, or nonmotorist.
- 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 (e.g., cell phone, texting).
- 36 = driver distracted by other electronic device (e.g., navigation device, DVD player).
- 37 = driver distracted by other inside the vehicle.
- 38 = driver distracted by external distraction (outside the vehicle).

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.

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 are available.

Field Type: Numeric.

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 are available.

Field Type: Numeric.

Person File

Person File

Airbag Deployed

Variable Name: AIRDEPL

Definition: Whether 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.

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.

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.

Ejection

Variable Name: EJECT

Definition: The location of each occupant's body if it was completely or partially thrown from the vehicle as a result of the crash. Leave blank for operators of railway vehicles.

Field Type: Coded:

- 1 = not ejected.
- 2 = totally ejected.
- 3 = partially ejected.
- 4 = unknown.

Emergency Medical Service

Variable Name: EMS_DES

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

Field Type: Text.

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.

Occupant Restraint

Variable Name: REST1

Definition: Occupant restraint used by vehicle occupant.

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.

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.

Person Age

Variable Name: AGE

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

Field Type: Numeric.

Person City

Variable Name: PRSN_CTY

Definition: City of origin of the person involved in the crash (e.g., KANNAPOLIS).

Field Type: Text.

Person Injury

Variable Name: INJ

Definition: Injury to the person involved in the crash.

Field Type: Coded:

- 1 = K = killed.
- 2 = A = type of injury (suspected serious).
- 3 = B = type of injury (suspected minor).
- 4 = C = type of injury (possible).
- 5 = O = no injury.
- 6 = N = unknown.

Person Number

Variable Name: PRSN_NBR

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

Field Type: Numeric.

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.

Person ZIP Code

Variable Name: PRSN_ZIP

Definition: ZIP code (e.g., 280833758).

Field Type: Numeric.

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.

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.

Treatment Facility Name

Variable Name: TRT_FAC

Definition: Destination for each injured person who is transported from the scene of the crash. (e.g., TREATED ON SCENE).

Field Type: Text.

Treatment City Name

Variable Name: TRTMT_CITY_ADR

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

Field Type: Text.

Unit Number

Variable Name: UNT_NBR

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

Field Type: Numeric.

Appendix: History of Revisions

Appendix: History of Revisions

The appendix provides HSIS variables and the years in which changes were made. The changes are described for the relevant variables. Table 3 contains the history of the HSIS revisions.

Table 3. History of HSIS revisions.

File	Variable Name	Variable Description	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 changed from categorical to numeric	2002–2010 2002 2018
Roadway	AADT_YR	Annual average daily traffic year	Variable discontinued	2018
Roadway	ACCESS	Access control	Code changed	2018
Roadway	AREATYPE	Area type	Variable name changed to AREA_TYP_C Variable discontinued	2009 2010
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 ROUTE_ID	2018
Roadway	COUNTY	County	Code changed	2018
Roadway	DHRVOL	Design hour volume	Variable discontinued	2010
Roadway	DIV	Highway division route	Variable discontinued Variable readded with variable name changed to DIVISION	2009 2017
Roadway	ENDMP	Ending milepost	Variable name changed to Ending milepost	2018
Roadway	FUNC_CLS	Functional class	Variable name changed to FUNCCLASS Code changed	2018 2018
Roadway	FUNC_ST	Functional class (State)	Variable discontinued	2003
Roadway	HPMS1	Highway Performance Monitoring System sample ID	Variable discontinued Variable readded Variable discontinued	2001 2009 2018
Roadway	HOV_LN_CNT	Number of high-occupancy vehicle lanes	Variable added Variable name changed to HOVLNCOUNT	2010 2018
Roadway	HOV_TYP_CD	Type of lanes used for high-occupancy	Variable added Variable name changed to HOVTYP	2010 2015

File	Variable Name	Variable Description	Description of Change	Year of Change
		vehicle exclusively or during specified time periods		
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 changed	2015 2017 2018
Roadway	LSHLDWID	Left shoulder width	Variable name changed to LFTSHLDRWIDTH Code changed 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 changed	2018 2018
Roadway	MEDWID	Median width total	Variable name changed to MEDIANWIDTH Code changed from categorical to numeric	2018 2018
Roadway	MVMT	Million vehicle miles traveled	Variable discontinued	2018
Roadway	NHS	National Highway System	Variable added Code changed	1993 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

File	Variable Name	Variable Description	Description of Change	Year of Change
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 beyond causes higher mileages for some categories, particularly rural and two-lane. Code changed from categorical (by number) to text	2003 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 changed	2015 2018
Roadway	RSHLDWID	Right shoulder width	Variable name changed to RTSHLDRWIDTH Code changed 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 (first digit of RTE_NBR)	Variable name changed to ROUTECLASS Code changed (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 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
			Variable name changed to STREETNAME	
Roadway	SURF_TYP	Surface type	Variable name changed to SRFCTYPE Code changed	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 from 2000 onward also includes the time. Variable name changed to CRASH_DATE	2000 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 changed (categories discontinued)	2000 2018
Accident/ Crash	ACCYR	Accident year	Variable discontinued	2000

File	Variable Name	Variable Description	Description of Change	Year of Change
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 changed (0/1 used pre-2000, N/Y used 2000 onward)	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 changed: 0/1 used pre-2000, N/Y used 2000 onward	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
Accident/ Crash	COMMFLAG	Commercial vehicle in accident	Variable discontinued	1999
Accident/ Crash	COUNTY	NC county number	Code changed	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 changed	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 changed from FROMDIR to FROM_DIR Variable discontinued	2000 2018
Accident/ Crash	HAZFLAG	Hazardous materials 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 changed (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 changed	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	LOCALITY	Development type	Code changed	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
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 traveled	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	Nonreportable	Variable added	2000
Accident/ Crash	NONMTCNT	Nonmotorist count	Variable added	2000
Accident/ Crash	NUM_UNIT	Number of units	N/A	—
Accident/ Crash	NUMVEHS	Number of vehicle + pedestrian + 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 changed (0/1 used pre-2000, N/Y used 2000 onward)	2000
Accident/ Crash	PLOTQUAL	Quality of milepost	Variable discontinued	2000
Accident/ Crash	POP_GRP	City population in thousands	Code changed (pre-1999 values are in thousands (e.g., 10 = 10,000),	1999

File	Variable Name	Variable Description	Description of Change	Year of Change
			1999 values onward are written as the actual number (e.g., 10,000 = 10,000)) Variable name changed to CTY_POP Code changed from categorical to numerical	2018 2018
Accident/ Crash	PROPDAM	Total property damage	Code changed from categorical to numeric	2018
Accident/ Crash	PVA	Public vehicle area	Variable discontinued	2000
Accident/ Crash	RD_CHAR1	Road character	Variable name changed to RD_CHAR	2018
Accident/ Crash	RD_CONF	Road configuration	Code changed	1999, 2018
Accident/ Crash	RD_PAVE	Type of road surface (rep)	Code changed	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 changed (category additions)	2000
Accident/ Crash	RMP_SVRD	Ramp or service road	Variable added Code changed	2000 2018
Accident/ Crash	ROAD_CLS	Road classification	Variable added Variable discontinued	2000 2018
Accident/ Crash	ROADCONT1	Roadway contributing circumstance 1	Code changed (categories discontinued)	2000
Accident/ Crash	ROADCONT2	Roadway contributing circumstance 2	Variable added Code changed (categories discontinued)	2000 2000
Accident/ Crash	RODWYCLS	Roadway class	Variable not present Code changed 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	—

File	Variable Name	Variable Description	Description of Change	Year of Change
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 changed from 4-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
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 changed (category discontinued)	2000 2018
Accident/ Crash	TRF_OPER	Traffic control operating	Code changed (Category 3 (not stated) is only present for pre-2000 data) Code changed	2000 2018
Accident/ Crash	TRF_VIS	Traffic control visible	Variable discontinued	2000
Accident/ Crash	WEATHER1	Weather condition 1	Code changed (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 changed	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	WORKZONE	Work zone marked	Variable added Code changed	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
Occupant/ Person	AIRDEPL	Airbag deployed	Variable added Code changed (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 services	Variable added	2000
Occupant/ Person	INJ	Occupant injury	Code changed (categories 6 (not stated) and 7 (not occupied) are only in pre-2000 data) Code changed	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 changed (categories 8 (not occupied) and 9 (nonwhite) are only included in pre-2000 data)	2000
Occupant/ Person	REST1	Occupant restraint	Code changed (categories 11 (not stated), 12 (unknown), and 13 (not occupied) are only included in pre-2000 data)	2000

File	Variable Name	Variable Description	Description of Change	Year of Change
Occupant/ Person	SEATPOS	Seating position	N/A	—
Occupant/ Person	SEX	Occupant sex	Code changed (categories 4 (not stated) and 5 (not occupied) are only included in pre-2000 data)	2000
Occupant/ Person	TRAPPED	Trapped	Variable added Code changed	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	2018
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 changed from categorical to numeric	2018
Vehicle/ Unit	AXLE_NBR	Commercial carrier axles	Variable added	2000
Vehicle/ Unit	AXLES	Number of axles for trailer 1	N/A	—
Vehicle/ Unit	AXLES2	Number of axles for trailer 2	N/A	—
Vehicle/ Unit	BIKEFLAG	Bicycle flag	Variable added	2000
Vehicle/ Unit	BODY	Cargo body type	Variable added Code changed (category added)	1999 2018
Vehicle/ Unit	CASENO	NC accident number with year	N/A	—
Vehicle/ Unit	CC_CITY	Commercial carrier city	Variable added	2000
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 carrier business city	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	CCB_STAT	Comm carrier business State	Variable added	2000

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/ Unit	CDL_IND	Commercial driver's license indicator	Variable added	2000
Vehicle/ Unit	CNT_SEAT	Number of seats occupied	Variable discontinued	2000
Vehicle/ Unit	CONTRIB1	Violating/contribution factor1	Code changed	2018
Vehicle/ Unit	CONTRIB2	Violating/contribution factor2	Code changed	2018
Vehicle/ Unit	CONTRIB3	Violating/contribution factor 3	Code changed	2018
Vehicle/ Unit	CONTRIB4	Violating/contribution factor 4	Variable discontinued	2000
Vehicle/ Unit	CONTRIB5	Violating/contribution factor5	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 changed (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 driver's license	Variable discontinued	2000
Vehicle/ Unit	DRV_AGE	Driver/pedestrian age	Code changed from categorical to numeric	2018
Vehicle/ Unit	DRV_BAC	Driver blood alcohol in percent	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 changed	2018
Vehicle/ Unit	DRV_LICENSE_RESTRICT	Driver's license restriction	Variable added Variable discontinued	2004 2018
Vehicle/ Unit	DRV_RACE	Driver/pedestrian race	Code changed: (category addition) Code changed	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/ Unit	DRV_REST	Driver restraint usage	Code changed (category additions) Code changed	2000 2018
Vehicle/ Unit	DRV_SEAT	Driver/pedestrian seat position	Code changed (category additions)	2018
Vehicle/ Unit	DRV_SEX	Driver/pedestrian sex	Code changed	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 changed	2018
Vehicle/ Unit	GOV_OWN	Government-owned vehicle indicator	Variable added	2000
Vehicle/ Unit	GVWR_WGT	Comm carrier gross vehicle weight	Variable added	2000
Vehicle/ Unit	HAZ_NUM1	1-Digit hazardous material number placard	Variable added	2000
Vehicle/ Unit	HAZ_NUM4	4-Digit hazardous material number placard	Variable added	2000
Vehicle/ Unit	HAZ_PLAC	Hazardous material placard indicator	Variable added Variable discontinued	2000 2018
Vehicle/ Unit	HAZMAT	Hazardous cargo	N/A	—
Vehicle/ Unit	IMPACTFT	Distance travel after impact	Code changed from categorical to numerical	2018
Vehicle/ Unit	IMPACTSP	Impact speed	Code changed from categorical to numerical	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 feet	N/A	—

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/ Unit	LENGTRL2	Length of trailer 2, in feet	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 changed (category discontinued)	2000
Vehicle/ Unit	MISCACT1	Miscellaneous action	Variable discontinued	2000
Vehicle/ Unit	MOSTHARM	Most harmful event	Code changed (categories discontinued) Code changed (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	Number 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	Number 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

File	Variable Name	Variable Description	Description of Change	Year of Change
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
Vehicle/ Unit	OWNERTYP	Owner category	Code changed Variable discontinued	2000 2018
Vehicle/ Unit	PARK_VEH	Indicator of parked vehicle	Variable added	2000
Vehicle/ Unit	PED_LOC	Nonmotorist location	Variable added	2000
Vehicle/ Unit	PEDACT	Nonmotorist action	Code changed Code changed	2000 2018
Vehicle/ Unit	PEDCONT1	Contributing circumstance nonmotorist 1	Variable added	2000
Vehicle/ Unit	PEDCONT2	Contributing circumstance nonmotorist 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 changed (category 11 (not stated) only included in pre-2000 data)	2000
Vehicle/ Unit	PTCONT1	Point of contact 1	Code changed	2018
Vehicle/ Unit	PTCONT2	Point of contact 2	Code changed	2018
Vehicle/ Unit	PTCONT3	Point of contact 3	Code changed	2018
Vehicle/ Unit	PTCONT4	Point of contact 4	Variable added Code changed	2000 2018
Vehicle/ Unit	PTCONT5	Point of contact 5	Variable added Code changed	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

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/ Unit	ROLLPTCT	Rollover, point of contact	Variable added Variable discontinued	1996 1998
Vehicle/ Unit	ROLLTAD	Rollover, TAD severity	Variable added Variable discontinued	1996 1998
Vehicle/ Unit	SCH_BUS1	School bus contact vehicle	Variable added Code changed	2000 2018
Vehicle/ Unit	SCH_BUS2	School bus noncontact vehicle	Variable added Code changed	2000 2018
Vehicle/ Unit	SOB_TEST	Chemical test given	Code changed (pre-2000, all observations were coded as not stated) Code changed (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 changed from categorical to numeric	2018
Vehicle/ Unit	TOTLENG	Total length of trailer(s) in feet	Variable discontinued	2000
Vehicle/ Unit	TOWAWAY	Vehicle drivable	Variable name changed to DRIVABLE Code changed	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	—
Vehicle/ Unit	UNDEROVR	Vehicle underride/override	Variable added	2000
Vehicle/ Unit	UNIT_TYP	Unit type	Code changed	2000
Vehicle/ Unit	V_DAMAG2	TAD 2 location	Code changed	2018
Vehicle/ Unit	V_DAMAG3	TAD 3 location	Code changed	2018
Vehicle/ Unit	V_DAMAGE	TAD 1 (area of damage) location	Code changed	2018
Vehicle/ Unit	VEH_SEIZ	Vehicle seizure DWI	Variable added Code changed	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
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 changed for two-axle trucks Code changed (categories discontinued and added)	1991–1992 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 changed: 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	—

—No data.
N/A = not applicable.

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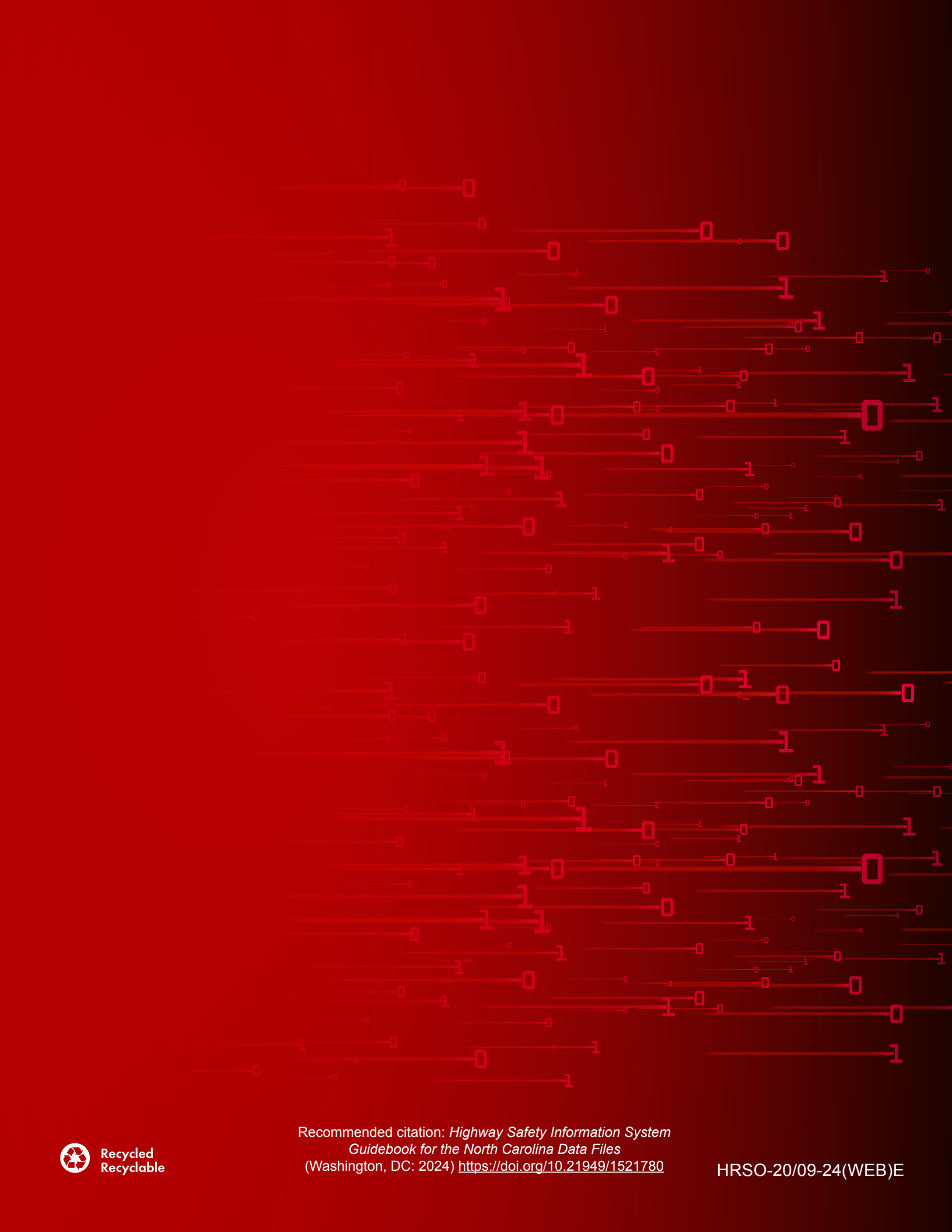

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Recommended citation: *Highway Safety Information System Guidebook for the North Carolina Data Files* (Washington, DC: 2024) https://doi.org/10.21949/1521780

HRSO-20/09-24(WEB)E