# HSIS

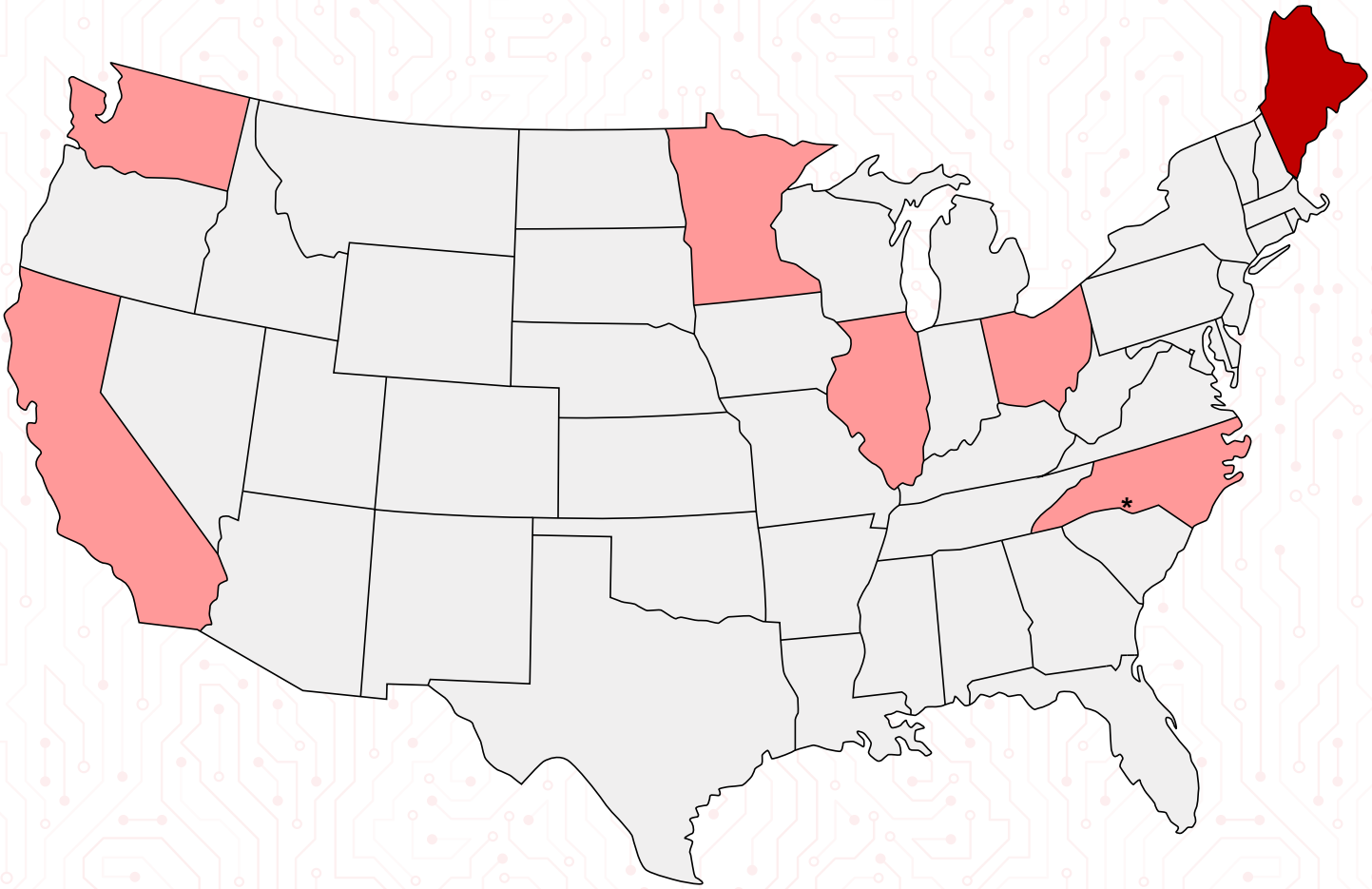
HIGHWAY SAFETY INFORMATION SYSTEM

SEPTEMBER 2024

FHWA-HRT-24-107

## GUIDEBOOK FOR THE

# Maine Data Files




U.S. Department of Transportation
Federal Highway Administration

Turner-Fairbank
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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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***Cover***: Map: Source: FHWA. Banner: © ryzhi/AdobeStock.

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# Introduction to the Maine HSIS Guidebook

# Introduction to the Maine HSIS Guidebook

The Highway Safety Information System (HSIS), established in 1987, is a foundational highway research data system.[1]* The State of Maine has participated in the HSIS program since 1987, 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 Maine HSIS data for 2016 and beyond. Data and documentation before 2016 (1987–2015) are available on request to the virtual HSIS Laboratory.[2] Before 2016, the Maine datasets included variables for the following files:

1. Roadway Inventory (e.g., links).
2. Traffic Data.
3. Interchange Characteristics.
4. Accident Characteristics.
5. Vehicles Involved in Crashes.
6. Vehicle Occupants Involved in Crashes.

The revised Maine database incorporated into HSIS contains seven different files, as shown in table 1.

**Table 1. Current Maine database file names.**

| File Name | Descriptor |
|---|---|
| Roadway | Roadway inventory (including traffic information) |
| Intersection Node | Intersection node inventory |
| Interchange | Interchange inventory |
| Crash | Crash characteristics |
| Unit | Units involved in crashes |
| Commercial Vehicle | Commercial vehicle information |
| Person | Persons involved in the crash |

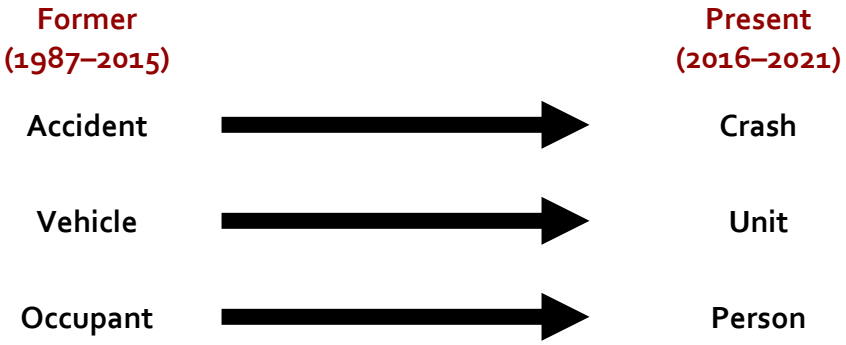
*Note: Any reference to HSIS by itself refers to the software.

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 Maine HSIS data before and after 2016, 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 (1987–2015) and the current file naming convention (2016–2021).




Source: Federal Highway Administration (FHWA).

**Figure 1. Graph. Changes to Maine 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 Maine's data documentation. Please consult the virtual HSIS Laboratory for information on changes to the data over time.

### Changes in Available Variables

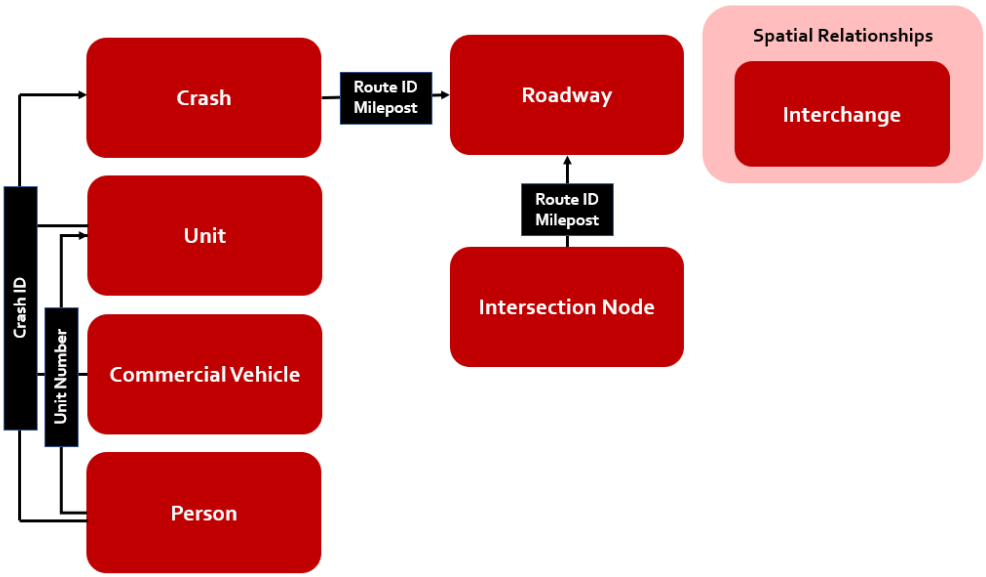
This guidebook reflects the latest high-quality data available to HSIS and the research community. Variables that were available in previous years and documented in past guidebooks may no longer be available or may be otherwise discontinued. This guidebook

represents data that are available to requestors for the 2016–2021. 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 seven files. The following sections provide a brief summary of each file.




Source: FHWA.
ID = identification.

**Figure 2. Chart. Maine HSIS data files and linking variables.**

## Roadway File (2016–2021)

This file contains information about the physical layout of Maine's roads, as well as the traffic characteristics associated with all public roads in the State. The Roadway 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)—and associated

*Milepost* information—is the key linking variable between the base roadway inventory and the associated Crash and Intersection Node files.

## Intersection Node (2018–2021)

This file provides a spatial inventory of intersection nodes in Maine. The descriptor node applies to these individual points, including traditional intersections, as well as road ends, cul-de-sacs, and other intersections of nonroadway modes (e.g., railroad and ferry links). These locations are noted in the description field. Intersections also include locations where freeway interchange ramps merge onto the freeway mainline. Where applicable, intersection nodes contain approach information for the major and minor routes. Where applicable, intersection nodes contain approach information for the major and minor routes including lane counts, median information, and traffic volumes.

## Interchange File (2021)

This file is a statewide point GIS data layer where each point represents information on a single freeway interchange. For this dataset, interchanges are defined as a grade-separated junction of two or more roads where at least one road is fully access controlled and movements between roads are accomplished through straight and loop ramps. The point for each interchange is located in the geographic center of the interchange and may not necessarily be located on the freeway mainline or cross street. The interchange inventory includes all interchanges in Maine, regardless of road ownership.

## Crash File (2016–2021)

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.

Police departments in Maine collected crash data statewide by on a standard form as prescribed by State law. The prescribed crash-reporting threshold is currently one that results in bodily injury or death to a person or apparent property damage of $1,000 or more.

## Unit File (2016–2021)

This file provides information on the vehicles or units involved in crashes on Maine roads. The Unit file includes motor vehicle drivers, 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 *Crash ID* and *Unit Number* variables.

## Commercial Vehicle File (2016–2021)

This file provides information on commercial vehicles involved in crashes on Maine roads. The Commercial Vehicle file includes cargo tanks, flatbed trucks, logging trucks, vans, buses, and other heavy vehicles. The Commercial Vehicle file can be linked to the Unit file through the combination of the *Crash ID* and *Unit Number* variables.

## Person File (2016–2021)

This file includes information on all persons involved in a crash, regardless of whether they are injured. The Person file includes standard variables related to seating positions in a vehicle, sex, age, and injury. The *Injury* variable in Maine 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. Injury information available since 2016 uses the standard "Suspected Serious Injury" definition.[4]

# Using the Files Together

# Using the Files Together

Figure 2 highlights the linkages between each of the seven Maine 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 *Crash ID* and *Unit Number*. *Crash ID* links the Crash file, Commercial file, Unit file, and Person file. *Unit Number* is used to link the Unit file, Commercial file, and Person file. For other variables, duplicated variable names across files are because the same information has been aggregated twice. For example, *AADT* is recorded in the Roadway file and Intersection Node file. In these cases, the HSIS Laboratory has compared 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 Maine. Specifically, the student is interested in injury severity at different types of intersections and under different conditions.

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 any subsequent phases 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).
- *Begin/End Milepost* (linkable to the *Milepost* variable in the Crash file).
- *Roadway Class.*
- *Functional Class.*
- *Average Median Type.*
- *Median Width.*
- *Major/Minor Through Lanes.*
- *Major/Minor Left-Turn Lanes.*
- *Major/Minor Right-Turn Lanes.*
- *Major/Minor Center-Turn Lanes.*
- *Factored AADT.*
- *County.*

### Intersection Node Variables

- *Major/Minor Route ID* (linkable to the *Route ID* variable in the Crash and Road file).
- *Intersection Angle* (*Major Angle* and *Minor Angle*).
- *Signalized Indicator.*
- *Urban Leg Count.*
- *Rural Leg Count.*
- *One-Way Leg Count.*
- *Major/Minor Median Type.*
- *Major/Minor Left-Turn Count.*
- *Major/Minor Right-Turn Count.*
- *Major/Minor Factored AADT.*

### Crash Variables

- *Route ID* (linkable to the *Route ID* variable in the Roadway and Intersection Node files).
- *Milepost* (necessary for linking crashes to the Roadway file in GIS).
- *Crash ID* (linkable to the *Crash ID* variable in the Unit and Person file).
- *Crash Date.*
- *Number of A/B/C/Fatal Injuries.*
- *First Harmful Event Location.*

- *Light Condition.*
- *Surface Condition.*
- *Traffic Control Device.*

### Unit Variables

- *Crash ID* (linkable to the *Crash ID* variable in the Crash file).
- *Unit ID* (linkable to the *Unit ID* variable in the Person file).
- *Unit Type.*

### Person Variables

- *Crash ID* (linkable to the *Crash ID* variable in the Crash and Unit files).
- *Unit ID* (linkable to the *Unit Number* variable in the Unit file).
- *Person Age.*
- *Person Sex.*
- *Physical Condition.*

The analyst does not request any information from the Interchange file. A few things to note about the student's request are as follows:

- Several variables in the student's request are recorded in more than one file. For example, the variable *County* is in several files. Since the request involves several linkable files, the variable is only included once in the Roadway file.

- Some variables in the student's request record similar information. For example, the Intersection Node file includes a variable, *Signalized Indicator,* that may seem redundant with the *Traffic Control Device* variable in the Crash file 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 Maine Department of Transportation (MaineDOT) records in the case of the Intersection Node file. The student could request both variables to confirm that the location was signalized.

- 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 *Crash ID*. Additionally, the Roadway file contains an observation or row for each road segment. Some segments may be associated with 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 seven files. Attributes and fields have evolved since Maine data were introduced into the HSIS data system, and users should carefully consider these changes during the data collection research process.

**Table 2. Summary of Maine HSIS variables by data file.**

| Variable Name | Variable Description | Data File |
|---|---|---|
| AADT | Annual average daily traffic | Roadway |
| AADT_TYPE_DESCR | Annual average daily traffic type | Roadway |
| ACCESS_CONTROL_DESCR | Access control | Roadway |
| AGENCY_DESCR | Agency owner | Roadway |
| MEDIAN_AVERAGE_WIDTH | Average median width | Roadway |
| BEGMP | Begin milepost | Roadway |
| CENTER_TURN_LANE_COUNT | Center-turn lane count | Roadway |
| CENTER_TURN_LANE_WIDTH | Center-turn lane width | Roadway |
| COUNTY_NAME | County name | Roadway |
| NATIONAL_TRUCK_NETWORK_DESCR | Designated truck route | Roadway |
| ELEMENT_ID | Element ID | Roadway |
| ELEMENT_LENGTH | Element length | Roadway |
| ENDMP | End milepost | Roadway |
| FACTORED_AADT | Factored annual average daily traffic | Roadway |
| FACTORED_YEAR | Factored annual average daily traffic year | Roadway |
| FEDERAL_FUNCTIONAL_CLASS_DESCR | Functional class | Roadway |
| JURISDICTION_ABBREVIATION | Jurisdiction abbreviation | Roadway |
| JURISDICTION_CODE | Jurisdiction code | Roadway |
| LEFT_SHOULDER_TYPE_DESCR | Left-shoulder type | Roadway |
| LEFT_SHOULDER_WIDTH | Left-shoulder width | Roadway |
| LEFT_TURN_LANE_COUNT | Left-turn lane count | Roadway |
| LEFT_TURN_LANE_WIDTH | Left-turn lane width | Roadway |
| MEDIAN_TYPE_DESCR | Median type | Roadway |
| MPO | Metropolitan planning organization | Roadway |
| NHS_TYPE_DESCR | National Highway System descriptor | Roadway |
| THRU_LANE_COUNT | Number of through lanes | Roadway |
| OFFICIAL_MILES | Official miles indicator | Roadway |
| ONE_WAY_DESCR | One-way indicator | Roadway |
| RAMP_DESCR | Ramp | Roadway |
| RIGHT_SHOULDER_TYPE_DESCR | Right-shoulder type | Roadway |

| Variable Name | Variable Description | Data File |
|---|---|---|
| RIGHT_SHOULDER_WIDTH | Right-shoulder width | Roadway |
| RIGHT_TURN_LANE_COUNT | Right-turn lane count | Roadway |
| RIGHT_TURN_LANE_WIDTH | Right-turn lane width | Roadway |
| RODWYCLS | Roadway class | Roadway |
| ROUTE_ID | Route ID | Roadway |
| ROUTE_TYPE | Route type | Roadway |
| STATE_URBAN_RURAL_DESCR | Rural/urban code | Roadway |
| OWNER_DESCR | Segment owner type | Roadway |
| SPEEDSRC | Speed limit source | Roadway |
| STATE_DESIG_TYPE_DESCR | State highway design | Roadway |
| STRATEGIC_HIGHWAY_NETWORK_DESC | Strategic highway | Roadway |
| STREETNAME | Street name | Roadway |
| LANE_SURFACE_TYPE_DESCR | Surface type | Roadway |
| THRU_LANE_WIDTH | Through lane width | Roadway |
| TOWN_CODE | Town code | Roadway |
| TRUCK_LANE_COUNT | Truck lane count | Roadway |
| AADT_YEAR | Year of current annual average daily traffic | Roadway |
| ALLROUTES | All node-involved routes | Intersection Node |
| COUNTY1 | County name 1 | Intersection Node |
| COUNTY2 | County name 2 | Intersection Node |
| ELEMENT_CNT | Element count | Intersection Node |
| MAJOR_MINOR_FAADT_DIF | Factored annual average daily traffic difference | Intersection Node |
| FERRY_NODE | Ferry node indicator | Intersection Node |
| HIGHWAY_NODE | Highway node indicator | Intersection Node |
| MAJOR_MINOR_ANGLE_DIF | Intersection angle difference | Intersection Node |
| LATITUDE | Latitude | Intersection Node |
| OTHER_LEG_CENTER_TURN_COUNT | Leg center-turn lane count | Intersection Node |
| OTHER_LEG_LEFT_TURN_COUNT | Leg left-turn lane count | Intersection Node |
| NUM_LEGS_WITH_LEFT_TURN | Legs with a left-turn lane | Intersection Node |
| LONGITUDE | Longitude | Intersection Node |
| LEG_ANGLE_MAJOR | Major angle | Intersection Node |
| MEDIAN_AVG_WIDTH_MAJOR | Major average median width | Intersection Node |
| MAJOR_LEG_CENTER_TURN_COUNT | Major center-turn lane | Intersection Node |
| TRLNWDCTR_MAJOR | Major center-turn lane width | Intersection Node |
| CNTYNAME_MAJOR | Major county name | Intersection Node |
| FAADT_MAJOR | Major factored annual average daily traffic | Intersection Node |
| FEDFUNCCLS_MAJOR | Major Federal functional class | Intersection Node |
| SHLDTYPELT_MAJOR | Major left-shoulder type | Intersection Node |
| SHLDWDTHLT_MAJOR | Major left-shoulder width | Intersection Node |
| MAJOR_LEG_LEFT_TURN_COUNT | Major left-turn lane count | Intersection Node |
| TRLNWDLT_MAJOR | Major left-turn lane width | Intersection Node |

| Variable Name | Variable Description | Data File |
|---|---|---|
| MREG_NAME_MAJOR | Major MaineDOT region name | Intersection Node |
| MEDIAN_TYPE_DECODE_MAJOR | Major median type | Intersection Node |
| NUM_LANES_MAJOR | Major number of lanes | Intersection Node |
| JURISDICTIN_MAJOR | Major owning jurisdiction | Intersection Node |
| SHLDPAVED_MAJOR | Major paved shoulder width | Intersection Node |
| SHLDTYPERT_MAJOR | Major right-shoulder type | Intersection Node |
| SHLDWDTHRT_MAJOR | Major right-shoulder width | Intersection Node |
| RTTURN_NUM_MAJOR | Major right-turn lane count | Intersection Node |
| TRLNWDRT_MAJOR | Major right-turn lane width | Intersection Node |
| ROUTE_MAJOR | Major route ID | Intersection Node |
| STRTNAME_MAJOR | Major street name | Intersection Node |
| SURFTY_MAJOR | Major surface type | Intersection Node |
| THRULNWDTH_MAJOR | Major through lane width | Intersection Node |
| THRULN_MAJOR | Major through lanes | Intersection Node |
| PAVED_TOTAL_MAJOR | Major total paved width | Intersection Node |
| SHLDWIDTHTOTAL_MAJOR | Major total shoulder width | Intersection Node |
| TRAVEL_TOTAL_MAJOR | Major total travel width | Intersection Node |
| WIDTH_TOTAL_MAJOR | Major total width | Intersection Node |
| TOWNNAME_MAJOR | Major town name | Intersection Node |
| CLLNWDTRK_MAJOR | Major truck lane width | Intersection Node |
| TRK_CLI_LN_MAJOR | Major truck lanes | Intersection Node |
| LEG_ANGLE_MINOR | Minor angle | Intersection Node |
| MEDIAN_AVG_WIDTH_MINOR | Minor average median width | Intersection Node |
| MINOR_LEG_CENTER_TURN_COUNT | Minor center-turn lane | Intersection Node |
| TRLNWDCTR_MINOR | Minor center-turn lane width | Intersection Node |
| CNTYNAME_MINOR | Minor county name | Intersection Node |
| FAADT_MINOR | Minor factored annual average daily traffic | Intersection Node |
| FEDFUNCCLS_MINOR | Minor Federal functional class | Intersection Node |
| SHLDTYPELT_MINOR | Minor left-shoulder type | Intersection Node |
| SHLDWTHLT_MINOR | Minor left-shoulder width | Intersection Node |
| MINOR_LEG_LEFT_TURN_COUNT | Minor left-turn lane count | Intersection Node |
| TRLNWDLT_MINOR | Minor left-turn lane width | Intersection Node |
| MREG_NAME_MINOR | Minor MaineDOT region name | Intersection Node |
| MEDIAN_TYPE_DECODE_MINOR | Minor median type | Intersection Node |
| NUM_LANES_MINOR | Minor number of lanes | Intersection Node |
| JURISDICTN_MINOR | Minor owning jurisdiction | Intersection Node |
| SHLDPAVED_MINOR | Minor paved shoulder width | Intersection Node |
| SHLDTYPERT_MINOR | Minor right-shoulder type | Intersection Node |
| SHLDWDTHRT_MINOR | Minor right-shoulder width | Intersection Node |
| RTTURN_NUM_MINOR | Minor right-turn lane count | Intersection Node |
| TRLNWDRT_MINOR | Minor right-turn lane width | Intersection Node |
| ROUTE_MINOR | Minor route ID | Intersection Node |
| STRTNAME_MINOR | Minor street name | Intersection Node |

| Variable Name | Variable Description | Data File |
|---|---|---|
| SURFTY_MINOR | Minor surface type | Intersection Node |
| THRULNWDTH_MINOR | Minor through lane width | Intersection Node |
| THRULN_MINOR | Minor through lanes | Intersection Node |
| PAVED_TOTAL_MINOR | Minor total paved width | Intersection Node |
| SHLDWIDTHTOTAL_MINOR | Minor total shoulder width | Intersection Node |
| TRAVEL_TOTAL_MINOR | Minor total travel width | Intersection Node |
| WIDTH_TOTAL_MINOR | Minor total width | Intersection Node |
| TOWNNAME_MINOR | Minor town name | Intersection Node |
| CLLNWDTRK_MINOR | Minor truck lane width | Intersection Node |
| TRK_CLI_LN_MINOR | Minor truck lanes | Intersection Node |
| NODE_MPO | Metropolitan planning organization | Intersection Node |
| NODE_NHS | National Highway System | Intersection Node |
| NODE_DESCR | Node description | Intersection Node |
| NODE_ID | Node ID | Intersection Node |
| NODE_MP | Node primary route milepost | Intersection Node |
| NODE_MPS | Node primary route mileposts | Intersection Node |
| SUM_INCNT | Number of entering legs | Intersection Node |
| SUM_OUTCNT | Number of exiting legs | Intersection Node |
| ONEWAY_COUNT | One-way leg count | Intersection Node |
| PRIRTECODE | Primary route ID | Intersection Node |
| RAIL_NODE | Rail node indicator | Intersection Node |
| REGIONNAME1 | Region name 1 | Intersection Node |
| REGIONNAME2 | Region name 2 | Intersection Node |
| FURB_RURAL_COUNT | Rural leg count (Federal) | Intersection Node |
| SURB_RURAL_COUNT | Rural leg count (State) | Intersection Node |
| SIGNALIZED | Signalized indicator | Intersection Node |
| TOWN1 | Town name 1 | Intersection Node |
| TOWN2 | Town name 2 | Intersection Node |
| TRAIL_NODE | Trail node indicator | Intersection Node |
| SIGNAL_BEACON | Type of signal | Intersection Node |
| FURB_URBAN_COUNT | Urban leg count (Federal) | Intersection Node |
| SURB_URBAN_COUNT | Urban leg count (State) | Intersection Node |
| FEDERAL_URBANIZED | Urbanized (Federal) | Intersection Node |
| STATE_URBANIZED | Urbanized (State) | Intersection Node |
| EXIT_TEXT | Exit label | Interchange |
| EXIT_NUM | Exit number | Interchange |
| RTDESIGN | Interstate route designation | Interchange |
| LAT | Latitude | Interchange |
| LONG | Longitude | Interchange |
| OLDEXITNUM | Old exit number | Interchange |
| OLD_ROUTE | Old interstate route designation | Interchange |
| COUNTY_NAME | County name | Crash |

| Variable Name | Variable Description | Data File |
|---|---|---|
| ACCIDENT_DATE | Crash date | Crash |
| ACCIDENT_HOUR | Crash hour | Crash |
| MDOTID | Crash ID | Crash |
| TYPE_OF_LOCATION_DESCR | Crash location | Crash |
| TYPE_OF_CRASH_DESCR | Crash type | Crash |
| ACCIDENT_YEAR | Crash year | Crash |
| ACCIDENT_DAY_OF_WEEK | Day of week | Crash |
| CONTRIB_CIRC_ENV1_DESCR | Environmental circumstance 1 | Crash |
| CONTRIB_CIRC_ENV2_DESCR | Environmental circumstance 2 | Crash |
| LOC_FIRST_HARMFUL_EVENT_DESCR | First harmful event location | Crash |
| REPORTING_AGENCY_DESCR | Investigating agency | Crash |
| LIGHT_CONDITION_DESCR | Light condition | Crash |
| LOCATION_TYPE | Location type | Crash |
| MILEPOST | Milepost | Crash |
| NO_OF_A_INJ | Number of A injuries | Crash |
| NO_OF_B_INJ | Number of B injuries | Crash |
| NO_OF_C_INJ | Number of C injuries | Crash |
| NO_OF_K_INJ | Number of fatalities | Crash |
| NO_OF_NON_INJ | Number of noninjured | Crash |
| ROUTE_ID | Route ID | Crash |
| CONTRIB_CIRC_ROAD1_DESCR | Road circumstance 1 | Crash |
| CONTRIB_CIRC_ROAD2_DESCR | Road circumstance 2 | Crash |
| ROAD_GRADE_DESCR | Road grade | Crash |
| RODWYCLS | Roadway class | Crash |
| INJURY_LEVEL | Severity | Crash |
| ROAD_SURF_COND_DESCR | Surface condition | Crash |
| TRAFFIC_CONTROL_DEVICE_DESCR | Traffic control device | Crash |
| WEATHER_CONDITION_DESCR | Weather condition | Crash |
| WORKZONE_LOCATION_DESCR | Work zone crash location | Crash |
| WORKZONE_TYPE_DESCR | Work zone type | Crash |
| PRECRASH_ACTIONS_DESCR | Action prior to crash | Unit |
| CNTRIB_CIRCUM_DESCR | Contributing circumstances | Unit |
| MDOTID | Crash ID | Unit |
| MOST_HARMFUL_EVENT_DESCR | Most harmful event | Unit |
| SEQ_OF_EVENTS1_DESCR | Sequence of events 1 | Unit |
| SEQ_OF_EVENTS2_DESCR | Sequence of events 2 | Unit |
| SEQ_OF_EVENTS3_DESCR | Sequence of events 3 | Unit |
| SEQ_OF_EVENTS4_DESCR | Sequence of events 4 | Unit |
| SPECIAL_FUNC_VEHICLE_DESCR | Special vehicle use | Unit |
| UNIT_ID | Unit ID | Unit |
| UNIT_TYPE_DESCR | Unit type | Unit |
| VEHICLE_CONFIG_DESCR | Vehicle configuration | Unit |
| BUS_USE_DESCR | Bus type | Commercial Vehicle |
| CARGO_BODYTYPE_DESCR | Cargo body type | Commercial Vehicle |

| Variable Name | Variable Description | Data File |
|---|---|---|
| CARGO_CODE_DESCR | Cargo amount | Commercial Vehicle |
| CARRIER_TYPE_DESCR | Carrier type | Commercial Vehicle |
| COMMODITY_DESCR | Commodity description | Commercial Vehicle |
| MDOTID | Crash ID | Commercial Vehicle |
| HAZMAT_CLASS_DESCR | Hazardous materials class | Commercial Vehicle |
| HAZMAT_RELEASED | Hazardous materials released | Commercial Vehicle |
| UNIT_ID | Unit ID | Commercial Vehicle |
| BICYCLIST_MANEUVERS_DESCR | Bike maneuver | Person |
| MDOTID | Crash ID | Person |
| DRIVER_ACTION1_DESCR | Driver action 1 | Person |
| DRIVER_ACTION2_DESCR | Driver action 2 | Person |
| DRIVER_DISTRACTED_DESCR | Driver distraction | Person |
| NONMOTOR_ACT_PRIOR_DESCR | Nonmotorist action prior | Person |
| NONMOTOR_LOCATION_DESCR | Nonmotorist location | Person |
| NONMOTOR_ACT1_TIME_OF_DESCR | Pedestrian action 1 | Person |
| NONMOTOR_ACT2_TIME_OF_DESCR | Pedestrian action 2 | Person |
| PEDESTRIAN_MANEUVERS_DESCR | Pedestrian maneuver | Person |
| PERSON_AGE | Person age | Person |
| PERSON_SEX_DESCR | Person sex | Person |
| COND_TIME_OF_CRASH_DESCR | Physical condition | Person |
| SEAT_POSITION_SEAT_DESCR | Seat position | Person |
| UNIT_ID | Unit ID | Person |

# Roadway File

# Roadway File

## Annual Average Daily Traffic

*Variable Name*: AADT

*Definition*: Unfactored AADT. Factored AADT are traffic counts adjusted according to a factor applied to locations of similar context (e.g., 900).

*Field Type*: Numeric.

## AADT Type

*Variable Name*: AADT_TYPE_DESCR

*Definition*: Method by which unfactored AADT was obtained (e.g., estimated count).

*Field Type*: Text.

## Access Control

*Variable Name*: ACCESS_CONTROL_DESCR

*Definition*: Level of access control on the road segment. Full access indicates that the segment is only accessible via freeway interchange ramps (e.g., full).

*Field Type*: Text.

## Agency Owner

*Variable Name*: AGENCY_DESCR

*Definition*: Ownership agency associated with the road segment (e.g., MaineDOT).

*Field Type*: Text.

## Average Median Width

*Variable Name*: MEDIAN_AVERAGE_WIDTH

*Definition*: Average median width in feet for the segment (e.g., 10).

*Field Type*: Numeric.

## Begin Milepost

*Variable Name*: BEGMP

*Definition*: The calculated beginning milepost of the segment. This variable, along with the *End Milepost* and *Route ID*, can be used to link the road data to the Crash and Intersection Node files (e.g., 525.89).

*Field Type*: Numeric.

## Center-Turn Lane Count

*Variable Name*: CENTER_TURN_LANE_COUNT

*Definition*: Total number of center-turn lanes (e.g., 1).

*Field Type*: *Numeric.*

## Center-Turn Lane Width

*Variable Name*: CENTER_TURN_LANE_WIDTH

*Definition*: Width of center-turn lane in feet (e.g., 12).

*Field Type*: Numeric.

## County Name

*Variable Name*: COUNTY_NAME

*Definition*: County in which the road segment is located (e.g., Cumberland).

*Field Type*: Text.

## Designated Truck Route

*Variable Name*: NATIONAL_TRUCK_NETWORK_DESCR

*Definition*: Indicator that the roadway segment was designated as a truck route by the national truck network program in 1982 (e.g., part of the national network for trucks).

*Field Type*: Text.

## Element ID

*Variable Name*: ELEMENT_ID

*Definition*: Unique ID associated with a link element. Multiple segments can comprise an element (e.g., 3107770).

*Field Type*: Numeric.

## Element Length

*Variable Name*: ELEMENT_LENGTH

*Definition*: Length of the element in miles. Multiple segments can comprise an element (e.g., 0.31).

*Field Type*: Numeric.

## End Milepost

*Variable Name*: ENDMP

*Definition*: The calculated ending milepost of the segment. This variable, along with the *Begin Milepost* and *Route ID*, can be used to link the road data to the Crash and Intersection Node files (e.g., 525.89).

*Field Type*: Numeric.

## Factored AADT

*Variable Name*: FACTORED_AADT

*Definition*: Factored AADT are traffic counts adjusted according to a factor applied to locations of similar context (e.g., 691).

*Field Type*: Numeric.

## Factored AADT Year

*Variable Name*: FACTORED_YEAR

*Definition*: Year associated with the factored estimate of AADT (e.g., 2021).

*Field Type*: Numeric.

## Functional Class

*Variable Name*: FEDERAL_FUNCTIONAL_CLASS_DESCR

*Definition*: Federal functional class of the road segment (e.g., interstate).

*Field Type*: Text.

## Jurisdiction Abbreviation

*Variable Name*: JURISDICTION_ABBREVIATION

*Definition*: Jurisdictional ownership associated with the road segment (abbreviation).

*Field Type*: Coded:

- STHW = State highway.
- STAI = State aid highway.
- TNWY = townway.
- TOLL = toll highway.
- SPKY = seasonal parkway.
- TNWS = townway summer.
- TNWW = townway winter.
- OTHER = other.

## Jurisdiction Code

*Variable Name*: JURISDICTION_CODE

*Definition*: Jurisdictional ownership associated with the road segment (coded).

*Field Type*: Coded:

- State highway.
- State aid.
- Townway.
- Toll.
- Seasonal.
- Reservation.
- Southbound or westbound lanes.
- Southbound toll.
- Townway seasonal.

## Left-Shoulder Type

*Variable Name*: LEFT_SHOULDER_TYPE_DESCR

*Definition*: The type of shoulder material or design on the left side (i.e., in the direction of increasing mileposts) of the segment (e.g., gravel).

*Field Type*: Text.

## Left-Shoulder Width

*Variable Name*: LEFT_SHOULDER_WIDTH

*Definition*: Width of the shoulder on the left side (i.e., in the direction of increasing mileposts) of the segment in feet (e.g., 2).

*Field Type*: Numeric.

## Left-Turn Lane Count

*Variable Name*: LEFT_TURN_LANE_COUNT

*Definition*: Total number of left-turn lanes (e.g., 1).

*Field Type*: Numeric.

## Left-Turn Lane Width

*Variable Name*: LEFT_TURN_LANE_WIDTH

*Definition*: Total width of the left-turn lanes combined in feet (e.g., 12).

*Field Type*: Numeric.

## Median Type

*Variable Name*: MEDIAN_TYPE_DESCR

*Definition*: Type of median that exists on the road segment (e.g., curbed).

*Field Type*: Text.

## Metropolitan Planning Organization

*Variable Name*: MPO

*Definition*: Metropolitan planning organization (MPO) in which the segment is located.

*Field Type*: Coded:

- ATRC = Androscoggin Transportation Resource Center.
- BACTS = Bangor Area Comprehensive Transportation System.
- KACTS East = Kittery Area Comprehensive Transportation System East.
- KACTS West = Kittery Area Comprehensive Transportation System West.
- PACTS = Portland Area Comprehensive Transportation System.

## NHS Descriptor

*Variable Name*: NHS_TYPE_DESCR

*Definition*: Type of National Highway System (NHS) connector if applicable. More information on the NHS can be found at FHWA's Office of Planning, Environment, and Realty (e.g., airport).(5)

*Field Type*: Text.

## Number of Through Lanes

*Variable Name*: THRU_LANE_COUNT

*Definition*: Total number of through lanes only (e.g., 2).

*Field Type*: Numeric.

## Official Miles Indicator

*Variable Name*: OFFICIAL_MILES

*Definition*: Indicates whether this segment is counted as official mileage for the purposes of the Highway Performance Monitoring System (excludes south and west bound lanes, ramps, etc.)

*Field Type*: Coded:

N = no.
Y = yes.

## One-Way Indicator

*Variable Name*: ONE_WAY_DESCR

*Definition*: Indicates traffic operation is one way, as well as direction of travel along the segment (e.g., one way in direction of element).

*Field Type*: Text.

## Ramp

*Variable Name*: RAMP_DESCR

*Definition*: Indicator that segment is a ramp (e.g., ramp).

*Field Type*: Text.

## Right-Shoulder Type

*Variable Name*: RIGHT_SHOULDER_TYPE_DESCR

*Definition*: The type of shoulder material or design on the right side (i.e., in the direction of increasing mileposts) of the segment (e.g., curb present).

*Field Type*: Text.

## Right-Shoulder Width

*Variable Name*: RIGHT_SHOULDER_WIDTH

*Definition*: Width of the shoulder on the right side (i.e., in the direction of increasing mileposts) of the segment in feet (e.g., 2).

*Field Type*: Numeric.

## Right-Turn Lane Count

*Variable Name*: RIGHT_TURN_LANE_COUNT

*Definition*: Total number of right-turn lanes (e.g., 1).

*Field Type*: Numeric.

## Right-Turn Lane Width

*Variable Name*: RIGHT_TURN_LANE_WIDTH

*Definition*: Total width of right-turn lanes on the segment in feet (e.g., 12).

*Field Type*: Numeric.

## Roadway Class*

*Variable Name*: RODWYCLS

*Definition*: The HSIS Laboratory developed the *Roadway Class* variable to readily classifying roadway data. This variable is a combination of the *Number of Lanes*, *Median Type*, *Functional Class*, and *Rural/Urban Code* variables (e.g., rural two-lane roads).

*Field Type*: Text:

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

## Route ID

*Variable Name*: ROUTE_ID

*Definition*: Route ID for the primary route on this segment. This variable, along with the *Begin Milepost* and *End Milepost* variables, can be used to link the Roadway file to the Crash and Intersection Node files (e.g., 0001X).

*Field Type*: Text.

## Route Type

*Variable Name*: ROUTE_TYPE

*Definition*: Route type for the primary route on this segment.

*Field Type*: Coded:

*Variable created or edited by HSIS Laboratory.

- I = inventory road.
- N = numbered route.

## Rural/Urban Code

*Variable Name*: STATE_URBAN_RURAL_DESCR

*Definition*: Rural-urban identification of the roadway segment based on State classification (e.g., rural).

*Field Type*: Text.

## Segment Owner Type

*Variable Name*: OWNER_DESCR

*Definition*: The level of government or jurisdiction that owns the road segment (e.g., Federal).

*Field Type*: Text.

## Speed Limit Source

*Variable Name*: SPEEDSRC

*Definition*: Denotes whether the posted speed value is a posted speed zone or derived based on a default speed table value (e.g., posted).

*Field Type*: Text.

## State Highway Design

*Variable Name*: STATE_DESIG_TYPE_DESCR

*Definition*: Type of State highway road segment designation, if applicable (e.g., State highway).

*Field Type*: Text.

## Strategic Highway

*Variable Name*: STRATEGIC_HIGHWAY_NETWORK_DESC

*Definition*: Code defining the type of segment if it is part of the Strategic Highway Network (STRAHNET). More information on STRAHNET can be found on the STRAHNET website (e.g., primary).[6]

*Field Type*: Text.

## Street Name

*Variable Name*: STREETNAME

*Definition*: Common street name associated with the road segment (e.g., Elm Street).

*Field Type*: Text.

## Surface Type

*Variable Name*: LANE_SURFACE_TYPE_DESCR

*Definition*: Type of surface of the segment travel area (e.g., flexible).

*Field Type*: Text.

## Through Lane Width

*Variable Name*: THRU_LANE_WIDTH

*Definition*: Total paved surface width in feet associated with through lanes (e.g., 12).

*Field Type*: Numeric.

## Town Code

*Variable Name*: TOWN_CODE

*Definition*: Town identified by standard geographic code as defined by the State planning office.

*Field Type*: Coded:

- 1010 = Auburn.
- 1020 = Durham.
- 1030 = Greene.
- 1040 = Leeds.
- 1050 = Lewiston.
- 1060 = Lisbon.
- 1070 = Boothbay.
- 1080 = Livermore Falls.
- 1090 = Mechanic Falls.
- 1100 = Exeter.
- 1110 = Poland.
- 1120 = Sabattus.
- 1130 = Wales.
- 1140 = Turner.
- 3010 = Allagash.
- 3020 = Amity.
- 3030 = Ashland.
- 3040 = Bancroft.
- 3050 = Hanover.
- 3060 = Blaine.
- 3070 = Bridgewater.
- 3080 = Caribou.
- 3090 = Cary Plantation.
- 3100 = Castle Hill.
- 3110 = Caswell.
- 3120 = Chapman.
- 3130 = Crystal.
- 3140 = Cyr Plantation.
- 3150 = Dyer Brook.
- 3160 = East Township.
- 3170 = Eagle Lake.
- 3180 = Easton.
- 3190 = Fort Fairfield.
- 3200 = Fort Kent.
- 3210 = Frenchville.
- 3220 = Garfield Plantation.
- 3230 = Frenchboro.
- 3240 = Grand Isle.
- 3250 = Hamlin.
- 3260 = Hammond.
- 3270 = Haynesville.
- 3280 = Beals.
- 3290 = Hodgdon.
- 3300 = Houlton.
- 3310 = Island Falls.
- 3320 = Limestone.
- 3330 = Holden.
- 3340 = Littleton.
- 3350 = Ludlow.
- 3360 = Macwahoc Plantation.
- 3370 = Madawaska.
- 3380 = Mapleton.
- 3390 = Mars Hill.
- 3400 = Dixmont.
- 3410 = Merrill.
- 3420 = Glenburn.
- 3430 = Moro Plantation.
- 3440 = Nashville Plantation.
- 3450 = New Canada.
- 3460 = New Limerick.
- 3470 = Argyle Township.
- 3480 = Corinth.
- 3490 = Orient.
- 3500 = Matinicus Isle Plantation.
- 3510 = Perham.
- 3520 = Portage Lake.
- 3530 = Presque Isle.
- 3540 = Reed Plantation.
- 3550 = Saint Agatha.
- 3560 = Coplin Plantation.
- 3570 = Marshfield.
- 3580 = Sherman.
- 3590 = Smyrna.
- 3600 = Belmont.
- 3610 = Van Buren.
- 3620 = Magalloway Plantation.
- 3630 = Northport.
- 3640 = Washburn.
- 3650 = Westfield.
- 3660 = Forest Township.
- 3670 = Cherryfield.
- 3680 = Winterville Plantation.
- 3690 = Enfield.
- 3802 = Connor Township.
- 3805 = Cranberry Isles.
- 3806 = Molunkus Township.

- 3807 = Highland Plantation.
- 3809 = Atkinson.
- 3811 = Andover West Surplus Township.
- 3813 = TA R2 WELS.
- 3815 = C Surplus.
- 3816 = Drew Plantation.
- 3821 = T7 R5 WELS.
- 3823 = Columbia Falls.
- 3826 = Athens.
- 3833 = T11 R4 WELS.
- 3868 = Harrington.
- 3880 = Charlotte.
- 3889 = Grindstone Township.
- 3898 = Marion Township.
- 3899 = Cross Lake Township.
- 5010 = Baldwin.
- 5020 = Bridgton.
- 5030 = Brunswick.
- 5040 = Cape Elizabeth.
- 5050 = Casco.
- 5055 = Chebeague Island.
- 5060 = Cumberland.
- 5070 = Falmouth.
- 5080 = Freeport.
- 5085 = Appleton.
- 5090 = Gorham.
- 5100 = Gray.
- 5110 = Harpswell.
- 5120 = Harrison.
- 5125 = Long A Township.
- 5130 = Naples.
- 5140 = New Gloucester.
- 5150 = North Yarmouth.
- 5170 = Portland.
- 5180 = New Portland.
- 5190 = Raymond.
- 5200 = Scarborough.
- 5210 = Milbridge.
- 5220 = South Portland.
- 5230 = Standish.
- 5240 = Westbrook.
- 5250 = Windham.
- 5260 = Yarmouth.
- 7010 = Avon.
- 7018 = Carrabassett Valley.
- 7020 = Alna.
- 7030 = Burnham.
- 7040 = Saint Francis.
- 7050 = Dallas Plantation.
- 7060 = Eustis.
- 7070 = Farmington.
- 7080 = Industry.
- 7090 = Jay.
- 7100 = Kingfield.
- 7110 = Byron.
- 7120 = New Sharon.
- 7130 = New Vineyard.
- 7140 = Howland.
- 7150 = Rangeley.
- 7160 = Rangeley Plantation.
- 7170 = Sandy River Plantation.
- 7180 = Strong.
- 7190 = Temple.
- 7200 = Weld.
- 7210 = Wilton.
- 7801 = Alder Stream Township.
- 7803 = Chain of Ponds Township.
- 7804 = Coburn Gore.
- 7805 = Township D.
- 7807 = Township E.
- 7808 = Freeman Township.
- 7811 = Jim Pond Township.
- 7813 = Kingman Township.
- 7818 = Blanchard Township.
- 7820 = Lang Township.
- 7826 = Chesuncook Township.
- 7827 = Dennistown Plantation.
- 7828 = Elliottsville Township.
- 9010 = Amherst.
- 9020 = Aurora.
- 9030 = Bar Harbor.
- 9040 = Blue Hill.
- 9050 = Brooklin.
- 9060 = Brooksville.
- 9070 = Bucksport.
- 9080 = Castine.
- 9090 = Eastbrook.
- 9100 = Dedham.
- 9110 = Buckfield.

- 9120 = Forkstown Township.
- 9130 = Ellsworth.
- 9140 = Franklin.
- 9150 = Gouldsboro.
- 9160 = Dead River Township.
- 9170 = Hancock.
- 9180 = Freedom.
- 9190 = Glenwood Plantation.
- 9200 = Mariaville.
- 9210 = Mount Desert.
- 9220 = Orland.
- 9230 = Lexington Township.
- 9240 = Adamstown Township.
- 9250 = Edinburg.
- 9260 = Sedgwick.
- 9270 = Kingsbury Plantation.
- 9280 = Ogunquit.
- 9290 = Penobscot.
- 9300 = Sullivan.
- 9310 = Greenbush.
- 9320 = Swans Island.
- 9330 = Tremont.
- 9340 = Edmunds Township.
- 9350 = Chester.
- 9360 = Waltham.
- 9370 = Winter Harbor.
- 9801 = Hibberts Gore.
- 9803 = T4 Indian Purchase Township.
- 9804 = Fletchers Landing Township.
- 9805 = Grand Falls Township.
- 9806 = Lambert Lake Township.
- 9808 = Hebron.
- 9809 = Mercer.
- 9810 = Carrying Place Township.
- 11010 = Albion.
- 11020 = Augusta.
- 11030 = Belgrade.
- 11040 = Benton.
- 11050 = Chelsea.
- 11060 = China.
- 11070 = Clinton.
- 11080 = Alexander.
- 11090 = Fayette.
- 11100 = Gardiner.
- 11110 = Hallowell.
- 11120 = Litchfield.
- 11130 = Manchester.
- 11140 = Monmouth.
- 11150 = Canton.
- 11160 = Oakland.
- 11170 = Pittston.
- 11180 = Randolph.
- 11190 = Readfield.
- 11200 = Peru.
- 11210 = Sidney.
- 11220 = Machias.
- 11230 = Vienna.
- 11240 = Waterville.
- 11250 = Plymouth.
- 11260 = West Gardiner.
- 11270 = West Bath.
- 11280 = Winslow.
- 11290 = Winthrop.
- 11801 = Unity Township.
- 13010 = Caratunk.
- 13020 = Camden.
- 13030 = Cushing.
- 13040 = Bremen.
- 13050 = Hope.
- 13060 = Forest City Township.
- 13070 = Oxbow Plantation.
- 13080 = Cooper.
- 13090 = Dayton.
- 13100 = Rockland.
- 13110 = Rockport.
- 13120 = Rome.
- 13130 = Cambridge.
- 13140 = Thomaston.
- 13150 = Union.
- 13160 = Vinalhaven.
- 13170 = Warren.
- 13180 = Abbot.
- 13803 = Muscle Ridge Shoals Township.
- 15010 = Carthage.
- 15020 = Livermore.
- 15030 = Boothbay Harbor.
- 15040 = Friendship.
- 15050 = Bristol.

- 15060 = Damariscotta.
- 15070 = Dresden.
- 15080 = Edgecomb.
- 15090 = Jefferson.
- 15100 = Monhegan Island Plantation.
- 15110 = Newcastle.
- 15120 = Indian Township Res.
- 15130 = Concord Township.
- 15140 = South Bristol.
- 15150 = Southport.
- 15160 = Waldoboro.
- 15170 = Westport Island.
- 15180 = Whitefield.
- 15190 = Wiscasset.
- 15801 = T3 ND.
- 17010 = Alton.
- 17020 = Bethel.
- 17030 = Brownfield.
- 17040 = Deer Isle.
- 17050 = Madrid Township.
- 17060 = Denmark.
- 17070 = Mount Vernon.
- 17080 = Dixfield.
- 17090 = Fryeburg.
- 17100 = Gilead.
- 17110 = Greenwood.
- 17120 = Benedicta Township.
- 17130 = Hartford.
- 17140 = T22 MD.
- 17150 = Alfred.
- 17160 = Bradley.
- 17170 = Lovell.
- 17180 = T7 SD.
- 17190 = Mexico.
- 17200 = Newry.
- 17210 = Norway.
- 17217 = Linneus.
- 17220 = Norridgewock.
- 17230 = Paris.
- 17240 = Saint George.
- 17250 = Albany Township.
- 17260 = Harmony.
- 17270 = Rumford.
- 17280 = Arrowsic.
- 17290 = Stow.
- 17300 = Frye Island.
- 17310 = Sweden.
- 17320 = Batchelders Grant Township.
- 17330 = Eastport.
- 17340 = West Paris.
- 17350 = Woodstock.
- 17801 = Codyville Plantation.
- 17802 = Porter.
- 17803 = Andover North Surplus.
- 17804 = Moxie Gore.
- 17805 = Pleasant Point.
- 17807 = T5 R9 WELS.
- 17808 = Grafton Township.
- 17809 = Lower Cupsuptic Township.
- 17811 = Mason Township.
- 17812 = Milton Township.
- 17817 = Big Lake Township.
- 17818 = Lake View Plantation.
- 19010 = Andover.
- 19020 = Bangor.
- 19030 = Bradford.
- 19040 = Lincoln Plantation.
- 19050 = Brewer.
- 19060 = Burlington.
- 19070 = Carmel.
- 19080 = Carroll Plantation.
- 19090 = Charleston.
- 19100 = Verona Island.
- 19110 = Clifton.
- 19120 = Corinna.
- 19130 = Limerick.
- 19140 = Dexter.
- 19150 = Masardis.
- 19160 = T1 R5 WELS.
- 19170 = East Millinocket.
- 19180 = Eddington.
- 19190 = Stonington.
- 19200 = Woodland.
- 19210 = Etna.
- 19220 = Minot.
- 19230 = Garland.
- 19240 = Monticello.
- 19250 = T9 SD.

- 19260 = Surry.
- 19270 = Greenfield Township.
- 19280 = Hampden.
- 19290 = Hermon.
- 19300 = Otisfield.
- 19310 = Phillips.
- 19320 = Hudson.
- 19330 = Kenduskeag.
- 19340 = Lagrange.
- 19350 = Lakeville.
- 19360 = Lee.
- 19370 = Levant.
- 19380 = Lincoln.
- 19390 = Indian Island.
- 19400 = Mattawamkeag.
- 19410 = Maxfield.
- 19420 = Medway.
- 19430 = Milford.
- 19440 = Millinocket.
- 19450 = Mount Chase.
- 19460 = Newburgh.
- 19470 = Newport.
- 19480 = Old Town.
- 19490 = Orono.
- 19500 = Bowdoin.
- 19510 = Passadumkeag.
- 19520 = Patten.
- 19530 = Wayne.
- 19540 = Mattamiscontis Township.
- 19550 = Seboeis Plantation.
- 19560 = Springfield.
- 19570 = Stacyville.
- 19580 = Stetson.
- 19590 = Veazie.
- 19600 = Webster Plantation.
- 19610 = Winn.
- 19620 = Taunton & Raynham Academy Grant.
- 19630 = Lowell.
- 19801 = New Sweden.
- 19802 = Madawaska Lake Township.
- 19803 = Herseytown Township.
- 19806 = Mayfield Township.
- 19807 = Wade.
- 19808 = Osborn.
- 19809 = Long Island.
- 19810 = Prentiss Township T7 R3 NBPP.
- 19811 = Harfords Point Township.
- 19812 = Mount Katahdin Township.
- 19814 = T3 R10 WELS.
- 19815 = T1 R6 WELS.
- 19816 = Great Pond.
- 19817 = T2 R8 NWP.
- 19819 = Starks.
- 19827 = Summit Township.
- 19828 = Berry Township.
- 19829 = Katahdin Iron Works Township.
- 19830 = T6 R7 WELS.
- 19831 = T3 Indian Purchase Township.
- 21010 = Washington.
- 21020 = Silver Ridge Township.
- 21030 = Barnard Township.
- 21037 = Beaver Cove.
- 21040 = Perkins Township.
- 21050 = Bowerbank.
- 21060 = Brownville.
- 21070 = Dover-Foxcroft.
- 21080 = Isle Au Haut.
- 21090 = Greenville.
- 21100 = Guilford.
- 21110 = Sorrento.
- 21120 = TA R7 WELS.
- 21130 = Medford.
- 21140 = Milo.
- 21150 = Monson.
- 21160 = Parkman.
- 21170 = Sangerville.
- 21180 = Sebec.
- 21190 = Salem Township.
- 21200 = Ripley.
- 21210 = Willimantic.
- 21801 = Big Moose Township.
- 21804 = TD R2 WELS.
- 21805 = Cove Point Township.
- 21809 = Centerville Township.

- 21811 = Soldiertown Township T2 R7 WELS.
- 21812 = Perkins Township Swan Island.
- 21815 = Lily Bay Township.
- 21816 = Moosehead Junction Township.
- 21818 = T5 R7 WELS.
- 21819 = Nesourdnahunk Township.
- 21821 = Orneville Township.
- 21826 = Carrying Place Town Township.
- 21827 = Pleasant Ridge Plantation.
- 21833 = Frenchtown Township.
- 21837 = T2 R9 WELS.
- 21838 = T2 R10 WELS.
- 21841 = Township C.
- 21845 = T17 R4 WELS.
- 21847 = T4 R10 WELS.
- 21853 = Ebeemee Township.
- 21854 = Tomhegan Township.
- 23010 = Brookton Township.
- 23020 = Bath.
- 23030 = Orrington.
- 23040 = Bowdoinham.
- 23050 = Georgetown.
- 23060 = Phippsburg.
- 23070 = Richmond.
- 23080 = Topsham.
- 23090 = Windsor.
- 23100 = Woolwich.
- 23801 = T32 MD.
- 25010 = Anson.
- 25020 = Princeton.
- 25030 = Bingham.
- 25040 = Brighton Plantation.
- 25050 = South Thomaston.
- 25060 = Canaan.
- 25070 = Sumner.
- 25080 = Cornville.
- 25090 = Washington Township.
- 25100 = Detroit.
- 25110 = Embden.
- 25120 = Fairfield.
- 25130 = Roxbury.
- 25140 = Baring Plantation.
- 25150 = North Yarmouth Academy Grant Township.
- 25160 = Jackman.
- 25170 = Madison.
- 25180 = T28 MD.
- 25190 = Moose River.
- 25200 = Moscow.
- 25210 = Pownal.
- 25220 = Oxford.
- 25230 = Palmyra.
- 25240 = Pittsfield.
- 25250 = Williamsburg Township.
- 25260 = Wellington.
- 25270 = Lyman.
- 25280 = Skowhegan.
- 25290 = Smithfield.
- 25300 = Solon.
- 25310 = T2 R9 NWP.
- 25320 = Jackson.
- 25330 = Johnson Mountain Township.
- 25803 = Woodville.
- 25815 = Greenlaw Chopping Township.
- 25818 = Somerville.
- 25819 = Misery Gore Township.
- 25829 = West Forks Plantation.
- 25831 = Shirley.
- 25833 = Long Pond Township.
- 25835 = T6 R8 WELS.
- 25837 = T1 R8 WELS.
- 25838 = Upper Molunkus Township.
- 25839 = Parlin Pond Township.
- 25844 = Rockwood Strip T1 R1 NBKP.
- 25849 = Sandwich Acad. Gr. Township.
- 25850 = Sandy Bay Township.
- 25851 = Sapling Township.
- 25857 = Township 6 North of Weld.
- 25860 = T6 R6 WELS.
- 25861 = T3 R4 BKP WKR.
- 27010 = Belfast.
- 27020 = Stockholm.

- 27030 = Addison.
- 27040 = Chesterville.
- 27050 = Danforth.
- 27060 = Islesboro.
- 27070 = Lamoine.
- 27080 = North Haven.
- 27090 = Knox.
- 27100 = Liberty.
- 27110 = East Machias.
- 27120 = Monroe.
- 27130 = Montville.
- 27140 = Beddington.
- 27150 = Wallagrass.
- 27160 = Palermo.
- 27170 = Brooks.
- 27180 = Searsmont.
- 27190 = Searsport.
- 27200 = Stockton Springs.
- 27210 = Swanville.
- 27220 = Dennysville.
- 27230 = Troy.
- 27240 = Unity.
- 27250 = Waldo.
- 27260 = Winterport.
- 29010 = Devereaux Township.
- 29020 = Farmingdale.
- 29030 = Baileyville.
- 29040 = Hartland.
- 29050 = Grand Lake Stream Plantation.
- 29060 = Morrill.
- 29070 = Calais.
- 29080 = T1 R9 WELS.
- 29090 = T15 R6 WELS.
- 29100 = Weston.
- 29110 = Otis.
- 29120 = Columbia.
- 29130 = T8 R5 WELS.
- 29140 = The Forks Plantation.
- 29150 = Crawford.
- 29160 = Cutler.
- 29170 = Frankfort.
- 29180 = Deblois.
- 29190 = T30 MD BPP.
- 29200 = Lincolnville.
- 29210 = Waterford.
- 29220 = Hersey.
- 29230 = Sebago.
- 29240 = Jonesboro.
- 29250 = Jonesport.
- 29260 = Lubec.
- 29270 = Vassalboro.
- 29280 = Machiasport.
- 29290 = Saint John Plantation.
- 29300 = Meddybemps.
- 29310 = T14 R6 WELS.
- 29320 = Northfield.
- 29330 = Cathance Township.
- 29340 = Riley Township.
- 29350 = Pembroke.
- 29360 = Limington.
- 29370 = T9 R5 WELS.
- 29380 = Robbinston.
- 29390 = Roque Bluffs.
- 29400 = Steuben.
- 29410 = Talmadge.
- 29420 = Topsfield.
- 29430 = Vanceboro.
- 29440 = Waite.
- 29450 = Wesley.
- 29460 = Whiting.
- 29470 = Whitneyville.
- 29480 = Upton.
- 29801 = Stoneham.
- 29802 = Prospect.
- 29804 = Trenton.
- 29805 = Westmanland.
- 29806 = Wyman Township.
- 29808 = Kossuth Township.
- 29809 = T10 SD.
- 29810 = T4 R9 NWP.
- 29811 = Trescott Township.
- 29815 = T8 R3 NBPP.
- 29816 = T8 R4 NBPP.
- 29818 = T5 R8 WELS.
- 29822 = T24 MD BPP.
- 29824 = T26 ED BPP.
- 29825 = Trout Brook Township.
- 29826 = Thorndike.
- 29827 = Day Block Township.

- 29832 = Nobleboro.
- 31010 = Acton.
- 31020 = Hiram.
- 31030 = Arundel.
- 31040 = Berwick.
- 31050 = Biddeford.
- 31060 = Buxton.
- 31070 = Cornish.
- 31080 = Owls Head.
- 31090 = Eliot.
- 31100 = Hollis.
- 31110 = Kennebunk.
- 31120 = Kennebunkport.
- 31130 = Kittery.
- 31140 = Lebanon.
- 31150 = Oakfield.
- 31160 = Perry.
- 31170 = Saint Albans.
- 31180 = Newfield.
- 31190 = North Berwick.
- 31197 = Southwest Harbor.
- 31200 = Old Orchard Beach.
- 31210 = Parsonsfield.
- 31220 = Saco.
- 31230 = Sanford.
- 31240 = Shapleigh.
- 31250 = South Berwick.
- 31260 = Waterboro.
- 31270 = Wells.
- 31280 = York.

## Truck Lane Count

*Variable Name*: TRUCK_LANE_COUNT

*Definition*: Total number of truck climbing lanes on the segment.

*Field Type*: Numeric.

## Year of Current AADT

*Variable Name*: AADT_YEAR

*Definition*: Year associated with the unfactored AADT.

*Field Type*: Numeric.

# Intersection Node File

# Intersection Node File

## All Node-Involved Routes

*Variable Name*: ALLROUTES

*Definition*: A comma-delimited list of all routes involved at the node (e.g., 0197X,H4830,P04100).

*Field Type*: Text.

## County Name 1

*Variable Name*: COUNTY1

*Definition*: County associated with the intersection node. If the node falls along a county border, a second county applies (e.g., ANDROSCOGGIN).

*Field Type*: Text.

## County Name 2

*Variable Name*: COUNTY2

*Definition*: County associated with the intersection node. If the node falls along a county border, a second county applies (e.g., ANDROSCOGGIN).

*Field Type*: Text.

## Element Count

*Variable Name*: ELEMENT_CNT

*Definition*: Number of centerlines associated with Maine's Linear Referencing System that intersect the node in GIS (e.g., 5).

*Field Type*: Numeric.

## Factored AADT Difference

*Variable Name*: MAJOR_MINOR_FAADT_DIF

*Definition*: Factored AADT difference between major and minor legs. Factored AADT are traffic counts adjusted according to a factor applied to locations of similar context. This variable is null if major and minor leg information is unavailable (e.g., 3721).

*Field Type*: Numeric.

## Ferry Node Indicator

*Variable Name*: FERRY_NODE

*Definition*: An indicator that the node is part of the ferry system.

*Field Type*: Coded:

Y = yes.
N = no.

## Highway Node Indicator

*Variable Name*: HIGHWAY_NODE

*Definition*: An indicator that the node is part of the highway system. Nodes with a value of N are not part of the public road system.

*Field Type*: Coded:

Y = yes.
N = no.

## Intersection Angle Difference

*Variable Name*: MAJOR_MINOR_ANGLE_DIF

*Definition*: Difference in degrees between major and minor approach legs. This variable is null if major and minor leg information is unavailable (e.g., 58).

*Field Type*: Numeric.

## Latitude

*Variable Name*: LATITUDE

*Definition*: The latitude of the node (e.g., 44.11216).

*Field Type*: Numeric.

## Leg Center-Turn Lane Count

*Variable Name*: OTHER_LEG_CENTER_TURN_COUNT

*Definition*: Number of two-way, center-turn lanes on any approach legs that are not considered major or minor approaches (e.g., 0).

*Field Type*: Numeric.

## Leg Left-Turn Lane Count

*Variable Name*: OTHER_LEG_LEFT_TURN_COUNT

*Definition*: Number of left-turn lanes on any approach legs that are not considered major or minor approaches (e.g., 0).

*Field Type*: Numeric.

## Legs with a Left-Turn Lane

*Variable Name*: NUM_LEGS_WITH_LEFT_TURN

*Definition*: Total number of approach legs with a left-turn lane (e.g., 2).

*Field Type*: Numeric.

## Longitude

*Variable Name*: LONGITUDE

*Definition*: The longitude of the node (e.g., –70.110153).

*Field Type*: Numeric.

## Major Angle

*Variable Name*: LEG_ANGLE_MAJOR

*Definition*: Bearing in degrees (0–360) of the major leg, where 90 degrees is due north and 270 degrees is due south (e.g., 211).

*Field Type*: Numeric.

## Major Average Median Width

*Variable Name*: MEDIAN_AVG_WIDTH_MAJOR

*Definition*: Average width of the median on the major leg in feet (e.g., 8).

*Field Type*: Numeric.

## Major Center-Turn Lane

*Variable Name*: MAJOR_LEG_CENTER_TURN_COUNT

*Definition*: Number of center-turn lanes on the major leg (e.g., 1).

*Field Type*: Numeric.

## Major Center-Turn Lane Width

*Variable Name*: TRLNWDCTR_MAJOR

*Definition*: Total width of the center-turn lanes on the major leg in feet (e.g., 16).

*Field Type*: Numeric.

## Major County Name

*Variable Name*: CNTYNAME_MAJOR

*Definition*: County in which the major leg is located (e.g., Androscoggin).

*Field Type*: Text.

## Major Factored AADT

*Variable Name*: FAADT_MAJOR

*Definition*: Factored AADT at the major leg. Factored AADT are traffic counts adjusted according to a factor applied to locations of similar context (e.g., 7820).

*Field Type*: Numeric.

## Major Federal Functional Class

*Variable Name*: FEDFUNCCLS_MAJOR

*Definition*: Federal functional class associated with the major leg (e.g., minor arterial).

*Field Type*: Text.

## Major Left-Shoulder Type

*Variable Name*: SHLDTYPELT_MAJOR

*Definition*: Type of shoulder associated with the left side (i.e., in the direction of increasing mileposts) of the major leg (e.g., paved).

*Field Type*: Text.

## Major Left-Shoulder Width

*Variable Name*: SHLDWDTHLT_MAJOR

*Definition*: Width of the shoulder on the left side (i.e., in the direction of increasing mileposts) of the major leg in feet (e.g., 4).

*Field Type*: Numeric.

## Major Left-Turn Lane Count

*Variable Name*: MAJOR_LEG_LEFT_TURN_COUNT

*Definition*: Number of left-turn lanes on the major legs. This number is the sum of all left-turn lanes on major approaches (e.g., 1).

*Field Type*: Numeric.

## Major Left-Turn Lane Width

*Variable Name*: TRLNWDLT_MAJOR

*Definition*: Total width of left-turn lane(s) on the major leg in feet (e.g., 12).

*Field Type*: Numeric.

## Major MaineDOT Region Name

*Variable Name*: MREG_NAME_MAJOR

*Definition*: MaineDOT region associated with the major leg (e.g., southern).

*Field Type*: Text.

## Major Median Type

*Variable Name*: MEDIAN_TYPE_DECODE_MAJOR

*Definition*: Type of median on the major leg (e.g., positive barrier).

*Field Type*: Text.

## Major Number of Lanes

*Variable Name*: NUM_LANES_MAJOR

*Definition*: Average number of lanes on a major leg (e.g., 4).

*Field Type*: Numeric.

## Major Owning Jurisdiction

*Variable Name*: JURISDICTN_MAJOR

*Definition*: Type of jurisdictional ownership associated with the major leg (e.g., State highway).

*Field Type*: Text.

## Major Paved Shoulder Width

*Variable Name*: SHLDPAVED_MAJOR

*Definition*: Total width of the paved shoulder on the major leg in feet. This measurement represents the sum of both sides of the road (e.g., 8).

*Field Type*: Numeric.

## Major Right-Shoulder Type

*Variable Name*: SHLDTYPERT_MAJOR

*Definition*: Type of shoulder on the right side (i.e., in the direction of increasing mileposts) of the major leg (e.g., curb present).

*Field Type*: Text.

## Major Right-Shoulder Width

*Variable Name*: SHLDWDTHRT_MAJOR

*Definition*: Width of the shoulder on the right side (i.e., in the direction of increasing mileposts) of the major leg in feet (e.g., 4).

*Field Type*: Numeric.

## Major Right-Turn Lane Count

*Variable Name*: RTTURN_NUM_MAJOR

*Definition*: Number of right-turn lanes on the major leg. This number is the sum of all right-turn lanes on major approaches (e.g., 1).

*Field Type*: Numeric.

## Major Right-Turn Lane Width

*Variable Name*: TRLNWDRT_MAJOR

*Definition*: Total width of the right-turn lane(s) on the major leg in feet (e.g., 20).

*Field Type*: Numeric.

## Major Route ID

*Variable Name*: ROUTE_MAJOR

*Definition*: *Route ID* of the major leg (e.g., 0126X).

*Field Type*: Text.

## Major Street Name

*Variable Name*: STRTNAME_MAJOR

*Definition*: Common street name of the major leg (e.g., SABATTUS RD).

*Field Type*: Text.

## Major Surface Type

*Variable Name*: SURFTY_MAJOR

*Definition*: Surface type on the major leg (e.g., flexible).

*Field Type*: Text.

## Major Through Lane Width

*Variable Name*: THRULNWDTH_MAJOR

*Definition*: Total width of the through lanes on the major leg in feet (e.g., 36).

*Field Type*: Numeric.

## Major Through Lanes

*Variable Name*: THRULN_MAJOR

*Definition*: Total number of through lanes on the major leg (e.g., 3).

*Field Type*: Numeric.

## Major Total Paved Width

*Variable Name*: PAVED_TOTAL_MAJOR

*Definition*: Total width of paved surface on the major leg in feet (e.g., 44).

*Field Type*: Numeric.

## Major Total Shoulder Width

*Variable Name*: SHLDWIDTHTOTAL_MAJOR

*Definition*: Total combined (i.e., both sides of the road) width of the shoulder (paved or not) on the major leg in feet (e.g., 8).

*Field Type*: Numeric.

## Major Total Travel Width

*Variable Name*: TRAVEL_TOTAL_MAJOR

*Definition*: Total width of the travel lanes (paved or not) on the major leg in feet (e.g., 36).

*Field Type*: Numeric.

## Major Total Width

*Variable Name*: WIDTH_TOTAL_MAJOR

*Definition*: Total width of travel lanes and shoulders (paved or not) on the major leg in feet (e.g., 44).

*Field Type*: Numeric.

## Major Town Name

*Variable Name*: TOWNNAME_MAJOR

*Definition*: Town associated with the major approach leg (e.g., Sabattus).

*Field Type*: Text.

## Major Truck Lane Width

*Variable Name*: CLLNWDTRK_MAJOR

*Definition*: Width of the truck lane(s) on the major leg in feet (e.g., 24).

*Field Type*: Numeric.

## Major Truck Lanes

*Variable Name*: TRK_CLI_LN_MAJOR

*Definition*: Total number of truck-climbing lanes on the major leg (e.g., 1).

*Field Type*: Numeric.

## Minor Angle

*Variable Name*: LEG_ANGLE_MINOR

*Definition*: Bearing in degrees (0–360) of the minor leg, where 90 degrees is due north and 270 degrees is due south (e.g., 211).

*Field Type*: Numeric.

## Minor Average Median Width

*Variable Name*: MEDIAN_AVG_WIDTH_MINOR

*Definition*: Average width of the median on the minor leg in feet (e.g., 8).

*Field Type*: Numeric.

## Minor Center-Turn Lane

*Variable Name*: MINOR_LEG_CENTER_TURN_COUNT

*Definition*: Number of center-turn lanes on the minor leg (e.g., 1).

*Field Type*: Numeric.

## Minor Center-Turn Lane Width

*Variable Name*: TRLNWDCTR_MINOR

*Definition*: Total width of the center-turn lanes on the minor leg in feet (e.g., 12).

*Field Type*: Numeric.

## Minor County Name

*Variable Name*: CNTYNAME_MINOR

*Definition*: County in which the minor leg is located (e.g., Androscoggin).

*Field Type*: Text.

## Minor Factored AADT

*Variable Name*: FAADT_MINOR

*Definition*: Factored AADT at the minor leg. Factored AADT are traffic counts adjusted according to a factor applied to locations of similar context (e.g., 915).

*Field Type*: Numeric.

## Minor Federal Functional Class

*Variable Name*: FEDFUNCCLS_MINOR

*Definition*: Federal functional class associated with the minor leg (e.g., local).

*Field Type*: Text.

## Minor Left-Shoulder Type

*Variable Name*: SHLDTYPELT_MINOR

*Definition*: *Definition*: Type of shoulder associated with the left side (i.e., in the direction of increasing mileposts) of the minor leg (e.g., gravel).

*Field Type*: Text.

## Minor Left-Shoulder Width

*Variable Name*: SHLDWDTHLT_MINOR

*Definition*: Width of the shoulder on the left side of the minor leg in feet (e.g., 2).

*Field Type*: Numeric.

## Minor Left-Turn Lane Count

*Variable Name*: MINOR_LEG_LEFT_TURN_COUNT

*Definition*: Number of left-turn lanes on the minor legs. This measurement is the sum of all left-turn lanes on minor approaches (e.g., 0).

*Field Type*: Numeric.

## Minor Left-Turn Lane Width

*Variable Name*: TRLNWDLT_MINOR

*Definition*: Width of the shoulder on the left side (i.e., in the direction of increasing mileposts) of the minor leg in feet (e.g., 12).

*Field Type*: Numeric.

## Minor MaineDOT Region Name

*Variable Name*: MREG_NAME_MINOR

*Definition*: MaineDOT region associated with the minor leg (e.g., southern).

*Field Type*: Text.

## Minor Median Type

*Variable Name*: MEDIAN_TYPE_DECODE_MINOR

*Definition*: Type of median on the minor leg (e.g., curbed).

*Field Type*: Text.

## Minor Number of Lanes

*Variable Name*: NUM_LANES_MINOR

*Definition*: Average number of lanes on a minor leg (e.g., 2).

*Field Type*: Numeric.

## Minor Owning Jurisdiction

*Variable Name*: JURISDICTN_MINOR

*Definition*: Type of jurisdictional ownership associated with the minor leg (e.g., townway).

*Field Type*: Text.

## Minor Paved Shoulder Width

*Variable Name*: SHLDPAVED_MINOR

*Definition*: Total width of the paved shoulder on the minor leg in feet. This measurement represents the sum of both sides of the road (e.g., 0).

*Field Type*: Numeric.

## Minor Right-Shoulder Type

*Variable Name*: SHLDTYPERT_MINOR

*Definition*: Type of shoulder on the right side (i.e., in the direction of increasing mileposts) of the minor leg (e.g., no shoulder).

*Field Type*: Text.

## Minor Right-Shoulder Width

*Variable Name*: SHLDWDTHRT_MINOR

*Definition*: Width of the shoulder on the right side (i.e., in the direction of increasing mileposts) of the minor leg in feet (e.g., 2).

*Field Type*: Numeric.

## Minor Right-Turn Lane Count

*Variable Name*: RTTURN_NUM_MINOR

*Definition*: Number of right-turn lanes on the minor leg. This measurement is the sum of all right-turn lanes on minor approaches (e.g., 1).

*Field Type*: Numeric.

## Minor Right-Turn Lane Width

*Variable Name*: TRLNWDRT_MINOR

*Definition*: Total width of the right-turn lane(s) on the minor leg in feet (e.g., 10).

*Field Type*: Numeric.

## Minor Route ID

*Variable Name*: ROUTE_MINOR

*Definition*: Route ID of the minor leg(s) (e.g., 0140014,3209306).

*Field Type*: Text.

## Minor Street Name

*Variable Name*: STRTNAME_MINOR

*Definition*: Common street name of the minor leg (e.g., MAIN ST).

*Field Type*: Text.

## Minor Surface Type

*Variable Name*: SURFTY_MINOR

*Definition*: Surface type on the minor leg (e.g., gravel).

*Field Type*: Text.

## Minor Through Lane Width

*Variable Name*: THRULNWDTH_MINOR

*Definition*: Total width of the through lanes on the minor leg in feet (e.g., 16).

*Field Type*: Numeric.

## Minor Through Lanes

*Variable Name*: THRULN_MINOR

*Definition*: Total number of through lanes on the minor leg (e.g., 1).

*Field Type*: Numeric.

## Minor Total Paved Width

*Variable Name*: PAVED_TOTAL_MINOR

*Definition*: Total width of paved surface on the minor leg in feet (e.g., 24).

*Field Type*: Numeric.

## Minor Total Shoulder Width

*Variable Name*: SHLDWIDTHTOTAL_MINOR

*Definition*: Total combined (i.e., both sides of the road) width of the shoulder (paved or not) on the minor leg in feet (e.g., 4).

*Field Type*: Numeric.

## Minor Total Travel Width

*Variable Name*: TRAVEL_TOTAL_MINOR

*Definition*: Total width of the travel lanes (paved or not) on the minor leg in feet (e.g., 24).

*Field Type*: Numeric.

## Minor Total Width

*Variable Name*: WIDTH_TOTAL_MINOR

*Definition*: Total width of travel lanes and shoulders (paved or not) on the minor leg in feet (e.g., 28).

*Field Type*: Numeric.

## Minor Town Name

*Variable Name*: TOWNNAME_MINOR

*Definition*: Town associated with the minor approach leg (e.g., Sabattus).

*Field Type*: Text.

## Minor Truck Lane Width

*Variable Name*: CLLNWDTRK_MINOR

*Definition*: Width of the truck lane(s) on the minor leg in feet (e.g., 12).

*Field Type*: Numeric.

## Minor Truck Lanes

*Variable Name*: TRK_CLI_LN_MINOR

*Definition*: Total number of truck-climbing lanes on the minor leg (e.g., 1).

*Field Type*: Numeric.

## MPO

*Variable Name*: NODE_MPO

*Definition*: The MPO in which the node is located.

*Field Type*: Coded:

- ATRC = Androscoggin Transportation Resource Center.
- BACTS = Bangor Area Comprehensive Transportation System.
- KACTS EAST = Kittery Area Comprehensive Transportation System East.
- KACTS WEST = Kittery Area Comprehensive Transportation System West.
- PACTS = Portland Area Comprehensive Transportation System.

## NHS

*Variable Name*: NODE_NHS

*Definition*: Indicator that the node is part of the NHS. More information on the NHS can be found at FHWA's Office of Planning, Environment, and Realty.(6)

*Field Type*: Coded:

Y = yes.
N = no.

## Node Description

*Variable Name*: NODE_DESCR

*Definition*: Description of the node that includes the road name(s) intersecting the node (e.g., Int of CLARKS POND RD JOHN ROBERTS RD).

*Field Type*: Text.

## Node ID

*Variable Name*: NODE_ID

*Definition*: Unique ID of the node (e.g., 67654).

*Field Type*: Numeric.

## Node Primary Route Milepost

*Variable Name*: NODE_MP

*Definition*: The milepost associated with the primary (i.e., major) route. This variable will match NODE_MPS in most cases; however, in some instances a node will have multiple mile points (i.e., a road intersecting itself), and this column will include just one of the primary route mile points (e.g., 5.47).

*Field Type*: Numeric.

## Node Primary Route Mileposts

*Variable Name*: NODE_MPS

*Definition*: A complete list of mileposts associated with the primary (i.e., major) route. If the node is self-intersecting, such as a cul-de-sac or a loop rood, then this variable will list the different primary route mile points associated with the node (e.g., 5.47).

*Field Type*: Numeric.

## Number of Entering Legs

*Variable Name*: SUM_INCNT

*Definition*: Number of approach legs with traffic entering the intersection node. An approach leg with two-way traffic will count toward entering and exiting approach legs (e.g., 4).

*Field Type*: Numeric.

## Number of Exiting Legs

*Variable Name*: SUM_OUTCNT

*Definition*: Number of approach legs with traffic exiting the intersection node. An approach leg with two-way traffic will count toward entering and exiting approach legs (e.g., 4).

*Field Type*: Numeric.

## One-Way Leg Count

*Variable Name*: ONEWAY_COUNT

*Definition*: Number of intersection approach legs coded as one way (e.g., 2).

*Field Type*: Numeric.

## Primary Route ID

*Variable Name*: PRIRTECODE

*Definition*: The primary *Route ID* (i.e., major *Route ID*) associated with the node. This variable includes route IDs for alternate modes, such as railroad, ferry, and trail links, that are not available in the HSIS (e.g., 0126X).

*Field Type*: Text.

## Rail Node Indicator

*Variable Name*: RAIL_NODE

*Definition*: An indicator that the node is part of the railroad system.

*Field Type*: Coded:

Y = yes.
N = no.

## Region Name 1

*Variable Name*: REGIONNAME1

*Definition*: The name of the MaineDOT region in which the node is located. If node falls along a region border, a second region applies (e.g., SOUTHERN).

*Field Type*: Text.

## Region Name 2

*Variable Name*: REGIONNAME2

*Definition*: The name of the MaineDOT region in which the node is located. If node falls along a region border, a second region applies (e.g., SOUTHERN).

*Field Type*: Text.

## Rural Leg Count (Federal)

*Variable Name*: FURB_RURAL_COUNT

*Definition*: The number of legs at the intersection with a rural classification using Federal designation (e.g., 3).

*Field Type*: Numeric.

## Rural Leg Count (State)

*Variable Name*: SURB_RURAL_COUNT

*Definition*: The number of legs at the intersection with a rural classification using the State's designation (e.g., 3).

*Field Type*: Numeric.

## Signalized Indicator

*Variable Name*: SIGNALIZED

*Definition*: Indicator that the node represents a signalized intersection.

*Field Type*: Coded:

Y = yes.
N = no.

## Town Name 1

*Variable Name*: TOWN1

*Definition*: The name of the town in which the node is located. If the node falls along a town border, a second town applies (e.g., SABATTUS).

*Field Type*: Text.

## Town Name 2

*Variable Name*: TOWN2

*Definition*: The name of the town in which the node is located. If node falls along a town border, a second town applies (e.g., SABATTUS).

*Field Type*: Text.

## Trail Node Indicator

*Variable Name*: TRAIL_NODE

*Definition*: An indicator that the node is part of the trail system.

*Field Type*: Coded:

Y = yes.
N = no.

## Type of Signal

*Variable Name*: SIGNAL_BEACON

*Definition*: The type of signal at the node, if applicable (e.g., beacon).

*Field Type*: Text.

## Urban Leg Count (Federal)

*Variable Name*: FURB_URBAN_COUNT

*Definition*: The number of legs at the intersection with an urban classification using Federal designation (e.g., 4).

*Field Type*: Numeric.

## Urban Leg Count (State)

*Variable Name*: SURB_URBAN_COUNT

*Definition*: The number of legs at the intersection with a rural classification using the State's designation (e.g., 4).

*Field Type*: Numeric.

## Urbanized (Federal)

*Variable Name*: FEDERAL_URBANIZED

*Definition*: Indicator that the node is in an urbanized area according to Federal designation.

*Field Type*: Coded:

Y = yes.
N = no.

## Urbanized (State)

*Variable Name*: STATE_URBANIZED

*Definition*: Indicator that the node is in an urbanized area according to State designation.

*Field Type*: Coded:

Y = yes.
N = no.

# Interchange File

# Interchange File

## Exit Label

*Variable Name*: EXIT_TEXT

*Definition*: Concatenation of the *Exit Number* variable with the word "exit" representing the common name (e.g., exit 124).

*Field Type*: Text.

## Exit Number

*Variable Name*: EXIT_NUM

*Definition*: The formal exit number noted on signage. This number is associated with mileage on the applicable interstate or freeway; however, the number is not the *Milepost* associated with the *Route ID* for locational purposes (e.g., 124).

*Field Type*: Numeric.

## Interstate Route Designation

*Variable Name*: RTDESIGN

*Definition*: The interstate or freeway associated with the interchange (e.g., I–95).

*Field Type*: Text.

## Latitude

*Variable Name*: LAT

*Definition*: Latitude of the interchange point (e.g., 44.4531524).

*Field Type*: Numeric.

## Longitude

*Variable Name*: LONG

*Definition*: Longitude of the interchange point (e.g., –69.71633883).

*Field Type*: Numeric.

## Old Exit Number

*Variable Name*: OLDEXITNUM

*Definition*: Exit number before the change to mile point designation. This variable represents a sequential system, regardless of mile point location (e.g., 31).

*Field Type*: Numeric.

## Old Interstate Route Designation

*Variable Name*: OLD_ROUTE

*Definition*: Interstate route number before I–295, I–95, and I–495 changes (e.g., I495).

*Field Type*: Text.

# Crash File

# Crash File

## County Name

*Variable Name*: COUNTY_NAME

*Definition*: Name of the county in which the crash occurred (e.g., Hancock).

*Field Type*: Text.

## Crash Date

*Variable Name*: ACCIDENT_DATE

*Definition*: Date when the crash occurred (MM/DD/YYYY).

*Field Type*: Date.

## Crash Hour

*Variable Name*: ACCIDENT_HOUR

*Definition*: Hour of day when the crash occurred on a 24-hour clock.

*Field Type*: Numeric.

## Crash ID

*Variable Name*: MDOTID

*Definition*: Unique ID of the crash that is used to link to the Commercial, Person, and Unit files (e.g., 2020–2139).

*Field Type*: Text.

## Crash Location

*Variable Name*: TYPE_OF_LOCATION_DESCR

*Definition*: Characterization of the crash location (e.g., straight road).

*Field Type*: Text.

## Crash Type

*Variable Name*: TYPE_OF_CRASH_DESCR

*Definition*: The characterization of the type of collision that occurred in the crash (e.g., rear end, sideswipe).

*Field Type*: Text.

## Crash Year

*Variable Name*: ACCIDENT_YEAR

*Definition*: Year that the crash occurred (e.g., 2020).

*Field Type*: Numeric.

## Day of Week

*Variable Name*: ACCIDENT_DAY_OF_WEEK

*Definition*: Day of week when the crash occurred (e.g., Monday).

*Field Type*: Text.

## Environmental Circumstance 1

*Variable Name*: CONTRIB_CIRC_ENV1_DESCR

*Definition*: Environmental condition that contributed to the crash if applicable. If multiple environmental contributing circumstances are present, the first one is recorded in the circumstance 1 variable and the second in the circumstance 2 variable (e.g., weather conditions).

*Field Type*: Text.

## Environmental Circumstance 2

*Variable Name*: CONTRIB_CIRC_ENV2_DESCR

*Definition*: Environmental condition that contributed to the crash if applicable. If multiple environmental contributing circumstances are present, the first one is recorded in the circumstance 1 variable and the second in the circumstance 2 variable (e.g., weather conditions).

*Field Type*: Text.

## First Harmful Event Location

*Variable Name*: LOC_FIRST_HARMFUL_EVENT_DESCR

*Definition*: Location of the first harmful event when the crash occurred (e.g., on roadway).

*Field Type*: Text.

## Investigating Agency

*Variable Name*: REPORTING_AGENCY_DESCR

*Definition*: The agency or police department that was responsible for reporting and investigating the crash (e.g., Portland Police Department).

*Field Type*: Text.

## Light Condition

*Variable Name*: LIGHT_CONDITION_DESCR

*Definition*: The type/level of light that existed at the time of the crash (e.g., daylight).

*Field Type*: Text.

## Location Type

*Variable Name*: LOCATION_TYPE

*Definition*: Indicator that the crash occurred on a segment (ELEMENT) or an intersection (NODE) (e.g., ELEMENT).

*Field Type*: Text.

## Milepost

*Variable Name*: MILEPOST

*Definition*: Milepost of the crash. This variable can be used to link the crash to Roadway and Intersection Node files (e.g., 0.03).

*Field Type*: Numeric.

## Number of A Injuries

*Variable Name*: NO_OF_A_INJ

*Definition*: Total number of suspected A injuries in the crash (e.g., 1).

*Field Type*: Numeric.

## Number of B Injuries

*Variable Name*: NO_OF_B_INJ

*Definition*: Total number of suspected B injuries in the crash (e.g., 1).

*Field Type*: Numeric.

## Number of C Injuries

*Variable Name*: NO_OF_C_INJ

*Definition*: Total number of C injuries in the crash (e.g., 1).

*Field Type*: Numeric.

## Number of Fatalities

*Variable Name*: NO_OF_K_INJ

*Definition*: Total number of persons killed in the crash (e.g., 1).

*Field Type*: Numeric.

## Number of Noninjured

*Variable Name*: NO_OF_NON_INJ

*Definition*: Total number of persons present but uninjured in the crash (e.g., 3).

*Field Type*: Numeric.

## Route ID

*Variable Name*: ROUTE_ID

*Definition*: Route ID for the primary route on which the crash occurred. This variable, along with the *Milepost* variable, can be used to link the Crash file to the Roadway and Intersection Node files (e.g., 0001X).

*Field Type*: Text.

## Road Circumstance 1

*Variable Name*: CONTRIB_CIRC_ROAD1_DESCR

*Definition*: Road condition that contributed to the crash, if applicable. If multiple contributing circumstances are present, the first one is recorded in the road 1 variable, and the second in the road 2 variable (e.g., obstruction in roadway).

*Field Type*: Text.

## Road Circumstance 2

*Variable Name*: CONTRIB_CIRC_ROAD2_DESCR

*Definition*: Road condition that contributed to the crash, if applicable. If multiple contributing circumstances are present, the first one is recorded in the road 1 variable, and the second in the road 2 variable (e.g., obstruction in roadway).

*Field Type*: Text.

## Road Grade

*Variable Name*: ROAD_GRADE_DESCR

*Definition*: Vertical grade characterization of roadway where the crash occurred (e.g., on grade).

*Field Type*: Text.

## Roadway Class*

*Variable Name*: RODWYCLS

*Definition*: The HSIS Laboratory developed this variable for the purposes of readily classifying roadway data. This variable is a combination of the *Number of Lanes*, *Median Type*, *Functional Class* variables, and *Rural/Urban Code* variables (e.g., rural two-lane roads).

*Field Type*: Text:

*Variable created or edited by HSIS Laboratory.

- Urban freeways.
- Urban freeways with fewer than four lanes.
- Urban two-lane roads.
- Urban multilane divided nonfreeways.
- Urban multilane undivided nonfreeways.
- Rural freeways.
- Rural freeways with fewer than four lanes.
- Rural two-lane roads.
- Rural multilane divided nonfreeways.
- Rural multilane undivided nonfreeways.
- Others.

## Severity

*Variable Name*: INJURY_LEVEL

*Definition*: The highest severity of the crash on the KABCO scale.

*Field Type*: Coded:

- K = fatal.
- A = suspected serious injury.
- B = suspected minor injury.
- C = possible injury.
- PD = property damage only.

## Surface Condition

*Variable Name*: ROAD_SURF_COND_DESCR

*Definition*: The condition of the road surface where the crash occurred (e.g., wet).

*Field Type*: Text.

## Traffic Control Device

*Variable Name*: TRAFFIC_CONTROL_DEVICE_DESCR

*Definition*: Traffic control device present where the crash occurred (e.g., traffic signals (stop and go)).

*Field Type*: Text.

## Weather Condition

*Variable Name*: WEATHER_CONDITION_DESCR

*Definition*: Weather conditions when the crash occurred (e.g., cloudy).

*Field Type*: Text.

## Work Zone Crash Location

*Variable Name*: WORKZONE_LOCATION_DESCR

*Definition*: Description of the work zone location, if applicable (e.g., activity area).

*Field Type*: Text.

## Work Zone Type

*Variable Name*: WORKZONE_TYPE_DESCR

*Definition*: Description of the work zone, if applicable. (e.g., lane closure).

*Field Type*: Text.

# Unit File

# Unit File

## Action Prior to Crash

*Variable Name*: PRECRASH_ACTIONS_DESCR

*Definition*: Unit's action prior to crash occurring (e.g., making left turn).

*Field Type*: Text.

## Contributing Circumstances

*Variable Name*: CNTRIB_CIRCUM_DESCR

*Definition*: General note of the contributing circumstances associated with the unit (e.g., brakes).

*Field Type*: Text.

## Crash ID

*Variable Name*: MDOTID

*Definition*: Unique ID of the crash that is used to link to the Commercial, Crash, and Person files (e.g., 2020–2139).

*Field Type*: Text.

## Most Harmful Event

*Variable Name*: MOST_HARMFUL_EVENT_DESCR

*Definition*: Most harmful event associated with the unit participating in the crash (e.g., motor vehicle in transport).

*Field Type*: Text.

## Sequence of Events 1

*Variable Name*: SEQ_OF_EVENTS1_DESCR

*Definition*: Description of each event in the crash sequence for this unit (e.g., went off roadway right).

*Field Type*: Text.

## Sequence of Events 2

*Variable Name*: SEQ_OF_EVENTS2_DESCR

*Definition*: Description of each event in the crash sequence for this unit (e.g., went off roadway right).

*Field Type*: Text.

## Sequence of Events 3

*Variable Name*: SEQ_OF_EVENTS3_DESCR

*Definition*: Description of each event in the crash sequence for this unit (e.g., went off roadway right).

*Field Type*: Text.

## Sequence of Events 4

*Variable Name*: SEQ_OF_EVENTS4_DESCR

*Definition*: Description of each event in the crash sequence for this unit (e.g., went off roadway right).

*Field Type*: Text.

## Special Vehicle Use

*Variable Name*: SPECIAL_FUNC_VEHICLE_DESCR

*Definition*: Special circumstances or use associated with the unit (e.g., military).

*Field Type*: Text.

## Unit ID

*Variable Name*: UNIT_ID

*Definition*: The unique ID of the unit in the crash. This variable is used to link this file to the Commercial and Person files (e.g., 2).

*Field Type*: Numeric.

## Unit Type

*Variable Name*: UNIT_TYPE_DESCR

*Definition*: Type of vehicle or nonmotorized unit involved in the crash (e.g., passenger car).

*Field Type*: Text.

## Vehicle Configuration

*Variable Name*: VEHICLE_CONFIG_DESCR

*Definition*: Special configuration type associated with the vehicle (if applicable). This variable typically applies to trucks, buses, or other commercial (i.e., nonpassenger) vehicles (e.g., single-unit truck (two axles, six tires)).

*Field Type*: Text.

# Commercial Vehicle File

# Commercial Vehicle File

## Bus Type

*Variable Name*: BUS_USE_DESCR

*Definition*: Indicator that a bus was involved in the crash and, if so, what type (e.g., transit).

*Field Type*: Text.

## Cargo Body Type

*Variable Name*: CARGO_BODYTYPE_DESCR

*Definition*: Vehicle body type involved in the crash (e.g., van/enclosed box).

*Field Type*: Text.

## Cargo Amount

*Variable Name*: CARGO_CODE_DESCR

*Definition*: Indicator of the general amount of cargo present on the commercial vehicle (e.g., loaded).

*Field Type*: Text.

## Carrier Type

*Variable Name*: CARRIER_TYPE_DESCR

*Definition*: General type of commercial carrier that was involved in the crash (e.g., interstate carrier).

*Field Type*: Text.

## Commodity Description

*Variable Name*: COMMODITY_DESCR

*Definition*: General description of the commodity or cargo that the vehicle was carrying during the time of the crash (e.g., forest products).

*Field Type*: Text.

## Crash ID

*Variable Name*: MDOTID

*Definition*: Unique ID of the crash that is used to link to the Crash, Person, and Vehicle files (e.g., 2020–2139).

*Field Type*: Text.

## HAZMAT Class

*Variable Name*: HAZMAT_CLASS_DESCR

*Definition*: The type of hazardous material (hazmat) that the vehicle was transporting (null if not applicable, e.g., flammable liquids).

*Field Type*: Text.

## HAZMAT Released

*Variable Name*: HAZMAT_RELEASED

*Definition*: Indicator that hazmat was released from the vehicle (e.g., yes).

*Field Type*: Text.

## Unit ID

*Variable Name*: UNIT_ID

*Definition*: The unique ID of the vehicle as a single unit in the crash. This variable is used to link this file to the Unit and Person files (e.g., 2).

*Field Type*: Numeric.

# Person File

# Person File

## Bike Maneuver

*Variable Name*: BICYCLIST_MANEUVERS_DESCR

*Definition*: Indicator of the bicyclist action at the time of the crash (null if not applicable; e.g., bicycle—riding across traffic).

*Field Type*: Text.

## Crash ID

*Variable Name*: MDOTID

*Definition*: Unique ID of the crash that is used to link this file to the Commercial, Crash, and Unit files (e.g., 2020–2139).

*Field Type*: Text.

## Driver Action 1

*Variable Name*: DRIVER_ACTION1_DESCR

*Definition*: Indicator of a driver-related contributing action, if applicable (e.g., followed too closely).

*Field Type*: Text.

## Driver Action 2

*Variable Name*: DRIVER_ACTION2_DESCR

*Definition*: Indicator of a driver-related contributing action, if applicable (e.g., followed too closely).

*Field Type*: Text.

## Driver Distraction

*Variable Name*: DRIVER_DISTRACTED_DESCR

*Definition*: Indicator that the driver was distracted. This variable also includes the type of distraction, if applicable (e.g., other activity, electronic device).

*Field Type*: Text.

## Nonmotorist Action Prior

*Variable Name*: NONMOTOR_ACT_PRIOR_DESCR

*Definition*: Pedestrian or other nonmotorist action before the time of collision (e.g., walking/cycling on sidewalk).

*Field Type*: Text.

## Nonmotorist Location

*Variable Name*: NONMOTOR_LOCATION_DESCR

*Definition*: Pedestrian or other nonmotorist location at the time of the crash (e.g., intersection—marked crosswalk).

*Field Type*: Text.

## Pedestrian Action 1

*Variable Name*: NONMOTOR_ACT1_TIME_OF_DESCR

*Definition*: Indicator of the nonmotorist (i.e., bicyclist or pedestrian) action at the time of the crash (null if not applicable; e.g., dart/dash).

*Field Type*: Text.

## Pedestrian Action 2

*Variable Name*: NONMOTOR_ACT2_TIME_OF_DESCR

*Definition*: Indicator of the nonmotorist (i.e., bicyclist or pedestrian) action at the time of the crash (null if not applicable; e.g., dart/dash).

*Field Type*: Text.

## Pedestrian Maneuver

*Variable Name*: PEDESTRIAN_MANEUVERS_DESCR

*Definition*: Indicator of the pedestrian action at the time of the crash. This variable is different from the *Nonmotorist Action Prior* variable because this variable is not intended to be used as a contributing circumstance (e.g., crossing with signal).

*Field Type*: Text.

## Person Age

*Variable Name*: PERSON_AGE

*Definition*: The age of the person involved in the crash.

*Field Type*: Numeric.

## Person Sex

*Variable Name*: PERSON_SEX_DESCR

*Definition*: Sex of the person involved in the crash (e.g., male).

*Field Type*: Text.

## Physical Condition

*Variable Name*: COND_TIME_OF_CRASH_DESCR

*Definition*: Physical condition of the person involved in the crash when the crash occurred (e.g., asleep or fatigued).

*Field Type*: Text.

## Seat Position

*Variable Name*: SEAT_POSITION_SEAT_DESCR

*Definition*: Seating position of the person in the applicable vehicle (null if not applicable to a nonmotorist; e.g., left (driver for most vehicles)).

*Field Type*: Text.

## Unit ID

*Variable Name*: UNIT_ID

*Definition*: The unique ID of the unit in the crash. This variable is used to link this file to the Commercial and Unit files (e.g., 2).

*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 |
|---|---|---|---|---|
| Accident/ Crash | ACC_DATE | Date of accident | Variable name changed to ACCIDENT_DATE | 2016 |
| Accident/ Crash | WEEKDAY | Day of week | Variable name changed to ACCIDENT_DAY_OF_WEEK | 2016 |
| Accident/ Crash | HOUR | Hour of accident | Variable name changed to ACCIDENT_HOUR | 2016 |
| Accident/ Crash | YEAR | Year of accident | Variable name changed to ACCIDENT_YEAR | 2016 |
| Accident/ Crash | B_LINK | Link—both nodes (mod) | Variable discontinued | 2007 |
| Accident/ Crash | C_HNODE | High node | Variable discontinued | 2007 |
| Accident/ Crash | C_LINK | Link—both nodeso | Variable discontinued | 2007 |
| Accident/ Crash | C_LNODE | Low node | Variable discontinued | 2007 |
| Accident/ Crash | ENVCONT1 | Environment contributing circumstance 1 | Variable added<br>Variable name changed to CONTRIB_CIRC_ENV1_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Accident/ Crash | ENVCONT2 | Environment contributing circumstance 2 | Variable added<br>Variable name changed to CONTRIB_CIRC_ENV2_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Accident/ Crash | ROADCONT1 | Contributing Circumstances of the road 1 | Variable added<br>Variable name changed to CONTRIB_CIRC_ROAD1_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Accident/ Crash | ROADCONT2 | Contributing circumstances of the road 2 | Variable added<br>Variable name changed to CONTRIB_CIRC_ROAD2_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Accident/ Crash | COUNTY | Maine county key | Variable name changed to COUNTY_NAME | 2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Accident/ Crash | CRASH_COST | Cost of crash | Variable added<br>Variable name changed from CRASH_COST to CRSH_COST<br>Variable discontinued | 2007<br>2015<br>2016 |
| Accident/ Crash | CRASH_LINK | Crash link | Variable added<br>Variable name changed from CRASH_LINK to CRSH_LINK<br>Variable discontinued | 2007<br>2015<br>2016 |
| Accident/ Crash | CRASH_OFFSET | Crash offset | Variable added<br>Variable name changed from CRASH_OFFSET to CRSH_OFFSET<br>Variable name changed from CRSH_OFFSET to CRASH_OFFSET | 2007<br>2015<br>2016 |
| Accident/ Crash | DAYMTH | Day of month | Variable discontinued | 2009 |
| Accident/ Crash | LIGHT | Light condition | Variable name changed to LIGHT_CONDITION_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | LOC_HARM | First harmful event location | Variable added<br>Variable name changed to LOC_FIRST_HARMFUL_EVENT_ DESCR | 2011<br>2016 |
| Accident/ Crash | LOC_TYP | Link or node | Variable added<br>Variable name changed to LOCATION_TYPE | 2007<br>2016 |
| Accident/ Crash | CASENO | Accident case number | Variable name changed to MDOTID | 2016 |
| Accident/ Crash | MILEPOST | Distance from low node | Variable discontinued | 2006 |
| Accident/ Crash | MONTH | Month of accident | Variable discontinued | 2007 |
| Accident/ Crash | TOTAINJ | Number A injuries in crash | Variable name changed to NO_OF_A_INJ | 2016 |
| Accident/ Crash | TOTBINJ | Number B injuries in crash | Variable name changed to NO_OF_B_INJ | 2016 |
| Accident/ Crash | TOTCINJ | Number C injuries in crash | Variable name changed to NO_OF_C_INJ | 2016 |
| Accident/ Crash | TOT_KILL | Number persons killed in crash | Variable name changed to NO_OF_K_INJ | 2016 |
| Accident/ Crash | TOT_NON | Number noninjuries in crash | Variable name changed to NO_OF_NON_INJ | 2016 |
| Accident/ Crash | NONINT | Nonintersection node accident | Variable discontinued | 2011 |
| Accident/ Crash | NUMVEHS | Single or multivehicle crash | Variable discontinued | 2011 |
| Accident/ Crash | OBJECT1 | Fixed objects struck | Variable discontinued | 2007 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Accident/ Crash | OBJSTRK | Object struck | Variable created<br>Variable discontinued | 2007<br>2011 |
| Accident/ Crash | OFFSET | Milepost of crash used to link the crash to the Linear Referencing System | Variable created<br>Variable name changed to MILEPOST | 2007<br>2016 |
| Accident/ Crash | RD_CHAR1 | Road character | Variable discontinued | 2011 |
| Accident/ Crash | RDCONSTR | Road construction | Variable discontinued | 2011 |
| Accident/ Crash | AGENCY | Investigative agency | Variable name changed to REPORTING_AGENCY_DESCR | 2016 |
| Accident/ Crash | ROADGRADE | Road grade | Variable added<br>Variable name changed to ROAD_GRADE_DESC<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Accident/ Crash | RDSURF | Surface condition | Variable name changed to ROAD_SURF_COND_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | RODWYCLS | Roadway classification | Variable discontinued | 2016 |
| Accident/ Crash | SEGMENT_ID | Segment ID | Variable created<br>Variable discontinued | 2007<br>2016 |
| Accident/ Crash | SEGMNODEID | Segment node ID | Variable created<br>Variable discontinued | 2007<br>2016 |
| Accident/ Crash | SEGMOFFSET | Segment offset | Variable created<br>Variable discontinued | 2007<br>2016 |
| Accident/ Crash | SEVERITY | Accident severity | Variable discontinued | 2016 |
| Accident/ Crash | SPDLMT | Speed limit | Variable discontinued | 2011 |
| Accident/ Crash | TINIS_LINK_ID | Transportation Integrated Network Information System link ID | Variable created<br>Variable discontinued | 2007<br>2011 |
| Accident/ Crash | TINIS_LOCTYP | Transportation Integrated Network Information System location type | Variable created<br>Variable discontinued | 2007<br>2011 |
| Accident/ Crash | TINIS_NODE_ID | Transportation Integrated Network Information System node ID | Variable created<br>Variable discontinued | 2007<br>2011 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Accident/ Crash | TRF_CTRL | Traffic control | Variable name changed to TRAFFIC_CONTROL_DEVICE_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | ACCTYPE | Type of accident | Variable name changed to TYPE_OF_CRASH_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | LOC_TYPE | Location type | Variable name changed to TYPE_OF_LOCATION_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | WEATHER | Weather—atmosphere | Variable name changed to WEATHER_CONDITION_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | WZ_LOC | Work zone crash location | Variable name changed to WORKZONE_LOCATION_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Accident/ Crash | WZ_AREA | Work zone type | Variable name changed to WORKZONE_TYPE_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Occupant/ Person | BIK_MANU | Bike maneuver | Variable created<br>Variable name changed to BICYCLIST_MANEUVERS_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Occupant/ Person | PHYSCOND | Physical condition of occupant | Variable created<br>Variable discontinued<br>Variable name changed to COND_TIME_OF_CRASH_DESCR<br>Code changed from categorical (number) to text | 2011<br>2015<br>2016<br>2016 |
| Occupant/ Person | DRV_ACTN1 | Driver action 1 | Variable created<br>Variable discontinued<br>Variable name changed to DRIVER_ACTION1_DESCR<br>Code changed from categorical (number) to text | 2011<br>2015<br>2016<br>2016 |
| Occupant/ Person | DRV_ACTN2 | Driver action 2 | Variable created<br>Variable discontinued<br>Variable name changed to DRIVER_ACTION2_DESCR<br>Code changed from categorical (number) to text | 2011<br>2015<br>2016<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Occupant/ Person | DRV_DISTRACT | Driver distraction | Variable created<br>Variable discontinued<br>Variable name changed to DRIVER_DISTRACTED_DESCR<br>Code changed from categorical (number) to text | 2011<br>2015<br>2016<br><br>2016 |
| Occupant/ Person | CASENO | Accident case number | Variable name changed to MDOTID | 2016 |
| Occupant/ Person | PEDACT_PRIOR | Pedestrian action prior to accident | Variable created<br>Variable discontinued<br>Variable name changed to NONMOTOR_ACT_PRIOR_DESCR | 2011<br>2015<br>2016 |
| Occupant/ Person | PEDACT1 | Pedestrian action 1 | Variable created<br>Variable discontinued<br>Variable name changed to NONMOTOR_ACT1_TIME_OF_ DESCR | 2011<br>2015<br>2016 |
| Occupant/ Person | PEDACT2 | Pedestrian action 2 | Variable created<br>Variable discontinued<br>Variable name changed to NONMOTOR_ACT2_TIME_OF_ DESCR | 2011<br>2015<br>2016 |
| Occupant/ Person | PED_LOC | Pedestrian location | Variable created<br>Variable discontinued<br>Variable name changed to NONMOTOR_LOCATION_DESCR | 2011<br>2015<br>2016 |
| Occupant/ Person | PED_MANU | Pedestrian maneuver | Variable created<br>Variable discontinued<br>Variable name changed to PEDESTRIAN_MANEUVERS_DESCR | 2011<br>2015<br>2016 |
| Occupant/ Person | AGE | Occupant age | Variable name changed to PERSON_AGE | 2016 |
| Occupant/ Person | SEX | Occupant sex | Variable name changed to PERSON_SEX_DESCR | 2016 |
| Occupant/ Person | SEATPOS | Seat position | Variable name changed to SEAT_POSITION_SEAT_DESCR | 2016 |
| Occupant/ Person | VEHNO | Vehicle number | Variable name changed to UNIT_ID | 2016 |
| Roadway | A_HNODE | High node of link | Variable discontinued | 2007 |
| Roadway | A_LINK | Link—both nodes | Variable discontinued | 2007 |
| Roadway | A_LNODE | Low node of link | Variable discontinued | 2007 |
| Roadway | AADT | Annual average daily traffic | Variable missing | 2011–2013 |
| Roadway | AADT_TYP | Annual average daily traffictype (estimated or actual) | Variable missing<br>Variable name changed to AADT_TYPE_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br><br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | AADT_YR | Year of current annual average daily traffic | Variable missing<br>Variable name changed to AADT_YEAR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | AADTC | Annual average daily traffic capacity | Variable discontinued | 2016 |
| Roadway | ACCESS | Access control | Variable missing<br>Variable name changed to ACCESS_CONTROL_DESCR<br>Code changed from categorical (number) to text | 2011–2015<br>2016<br>2016 |
| Roadway | JRSD_AGENY | Segment owner | Variable created<br>Variable missing<br>Variable name changed to AGENCY_DESCR<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br>2016 |
| Roadway | PRIM_BMP | Primary route begin milepost | Variable created<br>Variable missing<br>BEGMP | 2007<br>2013<br>2016 |
| Roadway | BEGMP | Position where sublink begins | Variable discontinued | 2016 |
| Roadway | C_RESERV | Public land use type | Variable missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | TRNLNCTR | Number of center-turning lanes | Variable created<br>Variable missing<br>Variable name changed to CENTER_TURN_LANE_COUNT | 2007<br>2011–2013<br>2016 |
| Roadway | TRLNWDCTR | Center-turn lane width | Variable created<br>Variable missing<br>Variable name changed to CENTER_TURN_LANE_WIDTH | 2007<br>2011–2013<br>2016 |
| Roadway | COUNTY | Maine county key | Variable missing<br>Variable name changed to COUNTY_NAME<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | DEFHWAY | Defense highway | Missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | DIVIDED_INV | Divided inventory section | Variable added<br>Variable discontinued | 2007<br>2016 |
| Roadway | SEGMENT_ID | Segment ID | Variable created<br>Variable missing<br>Variable name changed to ELEMENT_ID | 2007<br>2013<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | SEG_LNG | Sublink length in miles | Variable missing<br>Variable name changed to ELEMENT_LENGTH | 2013<br>2016 |
| Roadway | PRIM_EMP | Primary route end milepost | Variable created<br>Variable missing<br>Variable name changed to ENDMP | 2007<br>2013<br>2016 |
| Roadway | ENDMP | Position where sublink ends | Variable discontinued | 2016 |
| Roadway | AADTF_YR | Year of factored annual average daily traffic | Variable missing<br>Variable name changed to FACTOR_YEAR | 2011–2013<br>2016 |
| Roadway | AADTF | Factored annual average daily traffic | Variable missing<br>Variable name changed to FACTORED_AADT | 2011–2013<br>2016 |
| Roadway | FED_AID | Federal-aid designation | Variable missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | FUNC_CLS | Functional class | Variable missing<br>Variable name changed to FEDERAL_FUNCTIONAL_CLASS_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | RURURB | Rural/urban code | Variable missing<br>Variable name changed to FEDERAL_URBAN_RURAL_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | FIFTY5 | Posted 55 or 65 mph zone | Variable discontinued | 1998 |
| Roadway | HPMS1 | Highway Performance Monitoring System section indicator | Variable discontinued | 2016 |
| Roadway | INV_CNTL | Route type indicator | Variable discontinued | 2007 |
| Roadway | IRI | International roughness index | Variable missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | JURISABBR | Jurisdiction abbreviation | Variable created<br>Variable missing<br>Variable name changed to JURISDICTION_ABBREVIATION | 2007<br>2013<br>2016 |
| Roadway | JURIS | Jurisdiction code | Variable missing<br>Variable name changed to JURISDICTION_CODE<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | SURF_TYP | Surface type | Variable missing<br>Variable name changed to LANE_SURFACE_TYPE_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br><br>2016 |
| Roadway | LSHL_TYP | Left-shoulder type | Variable missing<br>Variable name changed to LEFT_SHOULDER_TYPE_DESCR<br>Code changed from categorical (number) to text | 2011–2015<br>2016<br><br>2016 |
| Roadway | LSHLDWID | Left-shoulder width | Variable missing<br>Variable name changed to LEFT_SHOULDER_WIDTH | 2011–2013<br>2016 |
| Roadway | LTTURN_NUM | Number of left-turn lanes | Variable created<br>Variable missing<br>Variable name changed to LEFT_TURN_LANE_COUNT | 2007<br>2011–2013<br>2016 |
| Roadway | TRLNWDLT | Left-turn lane width | Variable created<br>Variable missing<br>Variable name changed to LEFT_TURN_LANE_WIDTH | 2007<br>2011–2013<br>2016 |
| Roadway | LENGTH | Official sublink mileage | Variable created<br>Variable discontinued | 1995<br>2007 |
| Roadway | LOS_PKHR | Peak hour level of service | Variable missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | AVGMEDWID | Average median width | Variable created<br>Variable missing<br>Variable name changed to MEDIAN_AVERAGE_WIDTH | 2007<br>2011–2013<br>2016 |
| Roadway | MED_BARRIER | Median barrier | Variable created<br>Variable missing<br>Variable name changed to MEDIAN_TYPE_DESCR<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br><br>2016 |
| Roadway | MPO | Metropolitan planning organization | Variable created<br>Variable missing | 2007<br>2013 |
| Roadway | MVMT | Million vehicle miles traveled | Variable discontinued | 2011 |
| Roadway | TRK_RTE | Designated truck route | Variable missing<br>Variable name changed to NATIONAL_TRUCK_NETWORK_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br><br><br>2016 |
| Roadway | NHS | National Highway System | Variable discontinued | 2014 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | C_NHS_CONNECTOR | National Highway System connector status | Variable created<br>Variable missing<br>Variable name changed to NHS_TYPE_DESCR<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br>2016 |
| Roadway | NO_LANES | Number of lanes | Variable discontinued | 2016 |
| Roadway | OFFIC_MILES | Office miles indicator | Variable created<br>Variable missing<br>Variable name changed to OFFICIAL_MILES | 2007<br>2013<br>2016 |
| Roadway | ONEWAY | One-way indicator | Variable missing<br>Variable name changed to ONE_WAY_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | JRSD_OWNER | Segment owner type | Variable created<br>Variable missing<br>Variable name changed to OWNER_DESCR | 2007<br>2011–2013<br>2016 |
| Roadway | PCR | Pavement condition rating | Variable missing<br>Variable discontinued | 2013<br>2016 |
| Roadway | POP_GRP | Town population | Variable missing<br>Variable discontinued | 2011–2013<br>2016 |
| Roadway | PRIRTECODE | Priority route code | Variable created<br>Variable missing<br>Variable name changed to PRIMARY_ROUTE_NUMBER | 2007<br>2013<br>2016 |
| Roadway | PROBLEM | Distance problem flag | Variable discontinued | 2007 |
| Roadway | RAMP | Ramp | Variable missing<br>Variable name changed to RAMP_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | RSHL_TYP | Right-shoulder type | Variable created<br>Variable missing<br>Variable name changed to RIGHT_SHOULDER_TYPE_DESCR<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br>2016 |
| Roadway | RSHLDWID | Right-shoulder width | Variable missing<br>Variable name changed to RIGHT_SHOULDER_WIDTH | 2011–2013<br>2016 |
| Roadway | RTTURN_NUM | Number of right-turning lanes | Variable created<br>Variable missing<br>Variable name changed to RIGHT_TURN_LANE_COUNT | 2007<br>2011–2013<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | TRLNWDRT | Right-turn lane width | Variable created<br>Variable missing<br>Variable name changed to RIGHT_TURN_LANE_WIDTH | 2007<br>2011–2013<br>2016 |
| Roadway | THRUTYPERD | Through road type | Variable created<br>Variable missing<br>Variable name changed to ROADWAY_TYPE_DESCR | 2007<br>2013<br>2016 |
| Roadway | RODWYCLS | Roadway classification | Variable missing<br>Variable discontinued | 2013<br>2016 |
| Roadway | PRIRTENAME | Priority route name | Variable created<br>Variable missing<br>Variable name changed to ROUTE_NAME | 2007<br>2013<br>2016 |
| Roadway | PRIRTETYPE | Priority route type | Variable created<br>Variable missing<br>Variable name changed to ROUTE_TYPE<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br><br>2016 |
| Roadway | RTE_NBR | Route or inventory number | Variable discontinued | 2007 |
| Roadway | RTE_TYPE | State highway designation number | Variable discontinued | 2007 |
| Roadway | RUTLT | Rut left | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011-–2013<br>2016 |
| Roadway | RUTRT | Rut right | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | S_FUNC | State functional class | Variable discontinued | 2007 |
| Roadway | SPEED_AVG | Average speed | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | SPEED_PKHR | Estimated peak hour speed | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | SPEEDSRC | Speed limit source | Variable created<br>Variable missing<br>Variable name changed to SPEEDSRC | 2007<br>2013<br>2016 |
| Roadway | SPEEDZN_ID | Speed zone identification | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2013<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | STHYDSG | State highway design | Variable created<br>Variable missing<br>Variable name changed to STATE_DESIG_TYPE_DESCR<br>Code changed from categorical (number) to text | 2007<br>2013<br>2016<br>2016 |
| Roadway | RURURB | Rural/urban code | Variable missing<br>Variable name changed to STATE_URBAN_RURAL_DESCR<br>Code changed from categorical (number) to text | 2013<br>2016<br>2016 |
| Roadway | C_STR_HIGH | Strategic highway network designation | Variable created<br>Variable missing<br>Variable name changed to STRATEGIC_HIGHWAY_NETWORK_DESC<br>Code changed from categorical (number) to text | 2007<br>2011–2013<br>2016<br>2016 |
| Roadway | STR_NAME | Street name | Variable missing<br>Variable name changed to STREETNAME | 2013<br>2016 |
| Roadway | SUBLINK | Sequence within link | Variable discontinued | 2007 |
| Roadway | THRULN | Through lanes | Variable created<br>Variable missing<br>Variable name changed to THRU_LANE_COUNT | 2007<br>2013<br>2016 |
| Roadway | THRULNWDTH | Through lane width | Variable created<br>Variable missing<br>Variable name changed to THRU_LANE_WIDTH | 2007<br>2013<br>2016 |
| Roadway | THRUTOHI | Through lanes to high node | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | THRUTOLO | Through lanes to low node | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | SURF_WD | Surface width | Variable missing<br>Variable name changed to TOTAL_PAVEMENT_WIDTH | 2011–2013<br>2016 |
| Roadway | TOWNCD | Town code | Variable created<br>Variable missing<br>Variable name changed to TOWN_CODE | 2001<br>2013<br>2016 |
| Roadway | TRNLNRT | Right-turn lanes side of road | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | TRNLNSLT | Left-turn lanes side of road | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Roadway | TRK_CLI_LN | Number of truck-climbing lanes | Variable created<br>Variable missing<br>Variable name changed to TRUCK_LANE_COUNT | 2007<br>2011–2013<br>2016 |
| Roadway | TY_ACCCTRL | Accident control | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | YRCONST | Year reconstructed | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Roadway | YRRESURF | Year resurfaced | Variable created<br>Variable missing<br>Variable discontinued | 2007<br>2011–2013<br>2016 |
| Vehicle/ Unit | CONTRIB | Contribution circumstances | Variables CONTRIB1 and CONTRIB2 replaced by CONTRIB<br>Variable name changed to CNTRIB_CIRCUM_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Vehicle/ Unit | CASENO | Accident case number | Variable name changed to MDOTID | 2016 |
| Vehicle/ Unit | MOSTHARM | Most harmful event | Variable created<br>Variable name changed to MOST_HARMFUL_EVENT_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Vehicle/ Unit | MISCACT1 | Action prior to accident | Variable name changed to PRECRASH_ACTIONS_DESCR<br>Code changed from categorical (number) to text | 2016<br>2016 |
| Vehicle/ Unit | EVENT1 | Sequence of events 1 | Variable created<br>Variable name changed to SEQ_OF_EVENTS1_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Vehicle/ Unit | EVENT2 | Sequence of events 2 | Variable created<br>Variable name changed to SEQ_OF_EVENTS2_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |
| Vehicle/ Unit | EVENT3 | Sequence of events 3 | Variable created<br>Variable name changed to SEQ_OF_EVENTS3_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br>2016 |

| File | Variable Name | Variable Description | Description of Change | Year of Change |
|---|---|---|---|---|
| Vehicle/ Unit | EVENT4 | Sequence of events 4 | Variable created<br>Variable name changed to SEQ_OF_EVENTS4_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br><br>2016 |
| Vehicle/ Unit | VEH_USE | Special function vehicle | Variable created<br>Variable name changed to SPECIAL_FUNC_VEHICLE_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br><br>2016 |
| Vehicle/ Unit | VEHNO | Vehicle number | Variable name changed to UNIT_ID | 2016 |
| Vehicle/ Unit | UNIT_TYPE | Vehicle type | Variable name changed to UNIT_TYPE_DESCR<br>Code changed from categorical (number) to text | 2016<br><br>2016 |
| Vehicle/ Unit | VEH_CONF | Vehicle configuration | Variable created<br>Variable name changed to VEHICLE_CONFIG_DESCR<br>Code changed from categorical (number) to text | 2011<br>2016<br><br>2016 |

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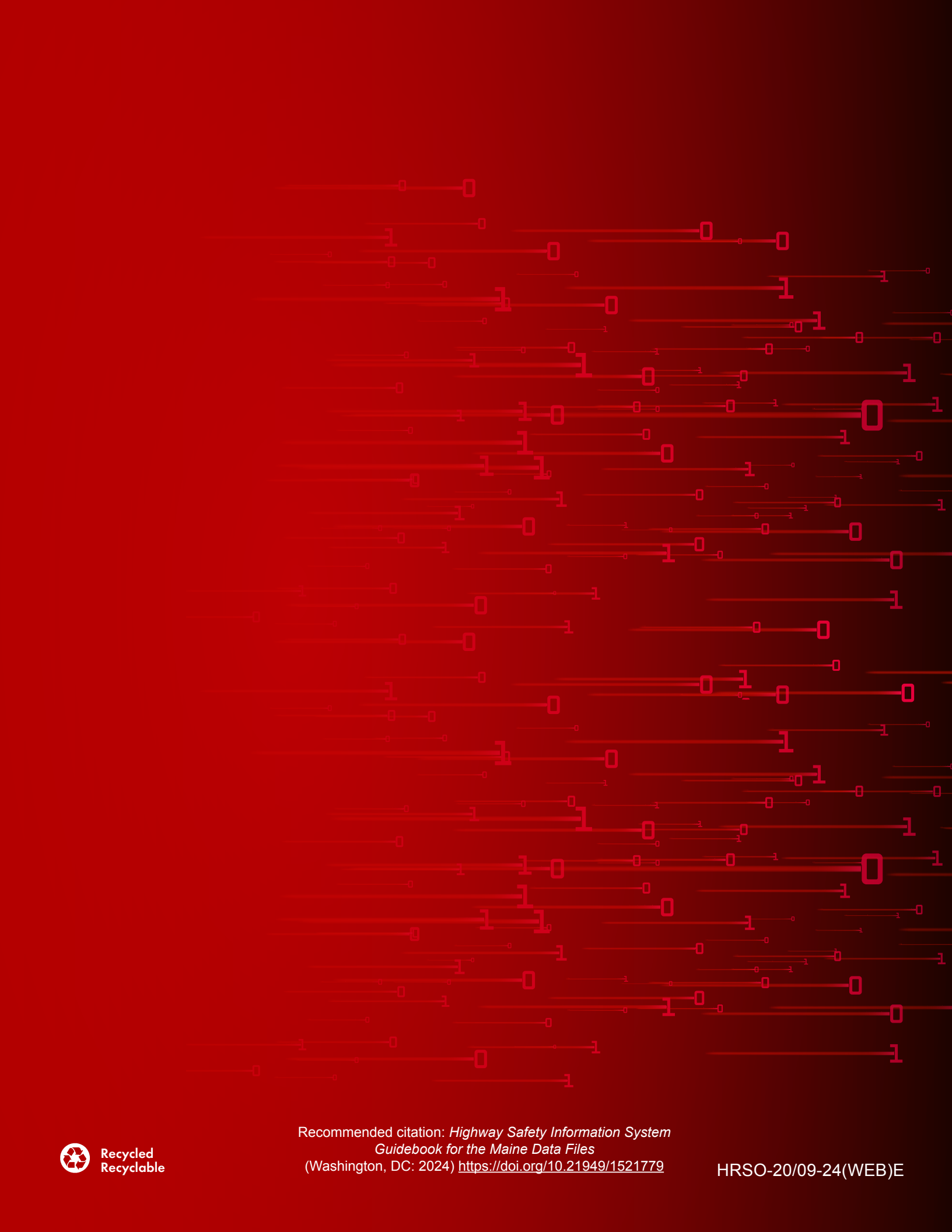

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