HSIS

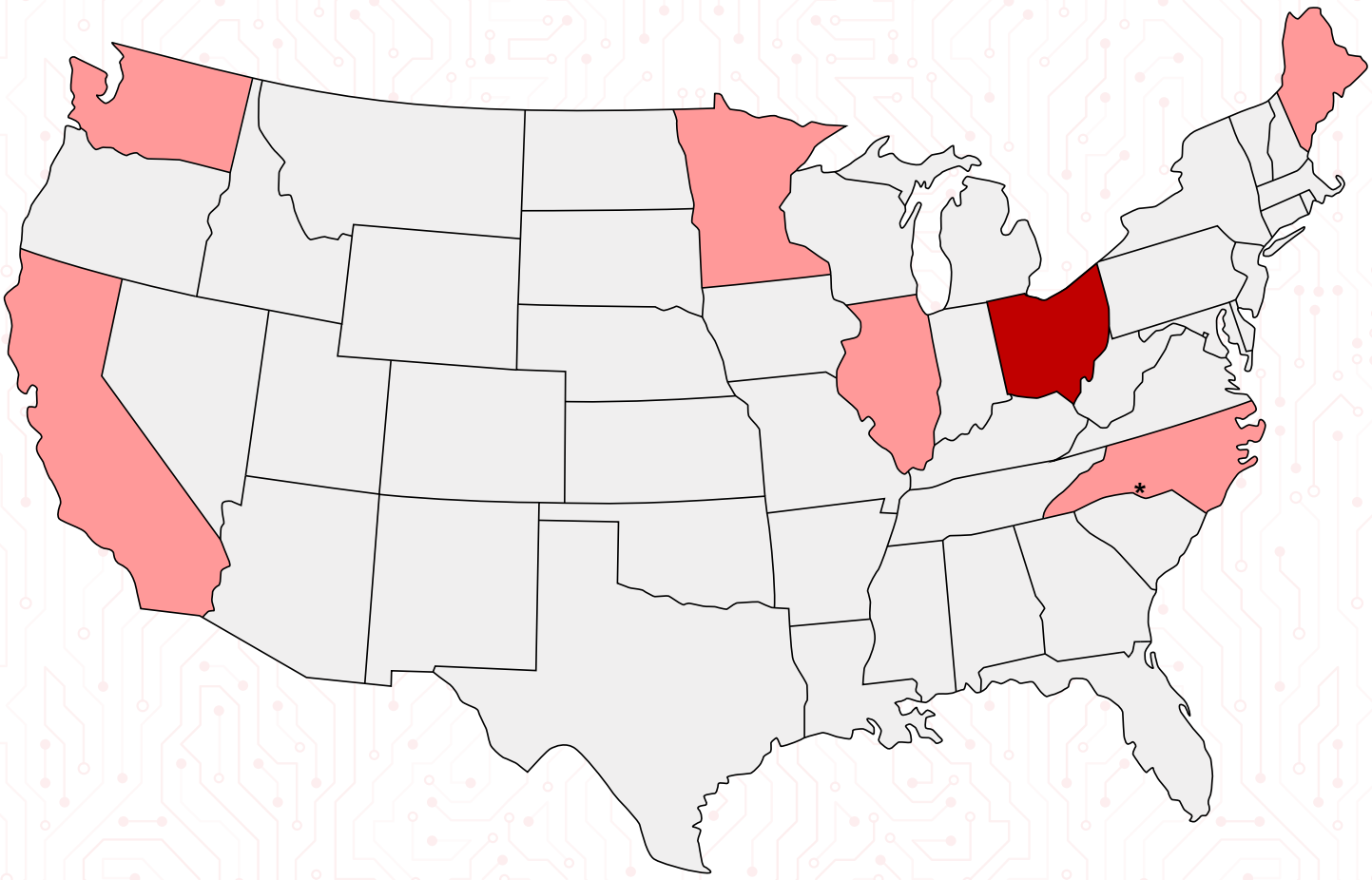
HIGHWAY SAFETY INFORMATION SYSTEM

OCTOBER 2024

FHWA-HRT-24-122

GUIDEBOOK FOR THE

Ohio Data Files



U.S. Department of Transportation
Federal Highway Administration

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Foreword

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

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

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

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16. Abstract The Highway Safety Information System (HSIS) is composed of seven States and one urban center. The HSIS Program provides linked crash, roadway, and traffic volume data. This guidebook supports the use of Ohio HSIS data from 2018 and beyond. Data and documentation recorded before 2018 (1997–2017) are available upon request to the virtual HSIS Laboratory (https://highways.dot.gov/research/safety/hsis).		
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Introduction to the Ohio HSIS Guidebook

Introduction to the Ohio HSIS Guidebook

The Highway Safety Information System (HSIS), established in 1987, is a foundational highway research data system.[1] * The State of Ohio has participated in the HSIS program since 1997, 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 Ohio HSIS data for 2018 and beyond. Data and documentation before 2018 (1997–2017) are available on request to the virtual HSIS Laboratory.[2] Before 2018, the Ohio datasets included variables for the following files:

1. Roadway Inventory
2. Intersection Inventory
3. Horizontal Curve Inventory
4. Vertical Grade Inventory
5. Accident Characteristics
6. Vehicles Involved in Crashes
7. Vehicle Occupants Involved in Crashes

The revised Ohio database incorporated into HSIS contains 10 different files, as shown in Table 1.

Table 1. Current Ohio database file names

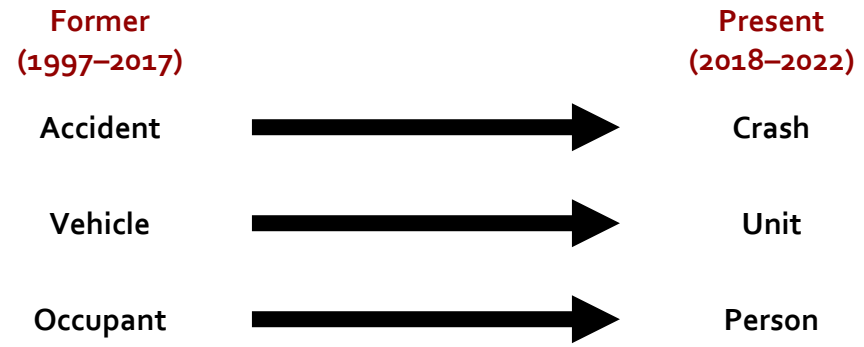
File Name	Descriptor
Roadway	Roadway inventory (including traffic information)
Horizontal Curve	Horizontal curve inventory
Intersection	Intersection inventory
Intersection Approach	Intersection approach inventory
Barrier	Roadside and median barrier inventory
Lighting	Lighting inventory
Bicycle Route	Bicycle route inventory
Crash	Crash characteristics
Unit	Units involved in crashes
Person	Persons involved in the crash

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

The appendix summarizes revisions the HSIS Laboratory made to the variables. In addition to the expanded list of files, several key differences exist between the Ohio HSIS data before and after 2018, as described in the following 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 (1997–2017) and the current file naming convention (2018–2022).



Source: Federal Highway Administration (FHWA)

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

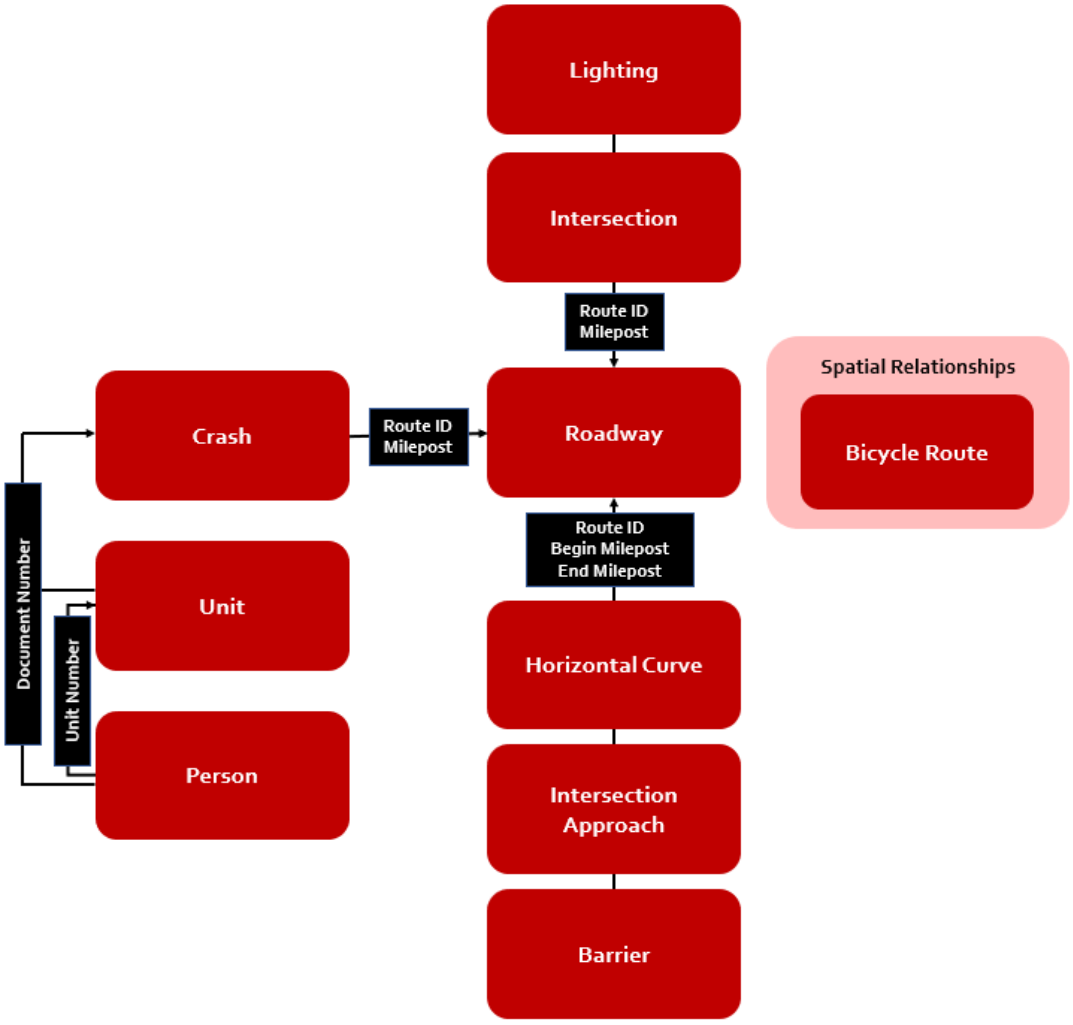
Changes in Available Variables

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

represents data that are available to requestors for 2018–2022. Please consult past guidebooks or the virtual HSIS Laboratory for information regarding previously available data.

Changes in Variable Linkages

HSIS data are stored in a geographic information systems (GIS)-compatible format. Researchers can request data from HSIS in various additional formats such as SAS®, Microsoft® Excel® and Access®, dBase®, ASCII, etc. to meet their analytical and resource capabilities.(3) Figure 2 provides an overview of the structure and relationships linking the 10 files. The following sections provide a brief summary of each file.



Source: FHWA
ID = identification

Figure 2. Chart. Ohio HSIS data files and linking variables

Roadway File (2018–2022)

This file contains information about the physical layout of Ohio's roads and the traffic characteristics associated with "on-system" roads in the State (i.e., State maintained). 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 is the key linking variable between the base roadway inventory and the associated datasets, (e.g., Crash, Horizontal Curve, Intersection). This variable is a 14-digit numerical code that documents the jurisdiction (e.g., road owner), county in which the route is located, route type (e.g., interstate route—IR), spur number (if applicable), main route number, and route direction code. Figure 3 illustrates the *Route ID* format for I–271 in Cuyahoga County.

	Jurisdiction	County			Route Type		Spur Number		Route Number			Route Direction		
Route ID	S	C	U	Y	I	R	0	0	2	7	1	*	*	C
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14

Source: FHWA

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

Horizontal Curve File (2019–2022)

This file provides the physical location and characteristics for horizontal curves on State routes (i.e., jurisdiction is "S"). The file does not include any local routes.

Intersection (2020–2022)

This file provides the physical location of two or more public roads in Ohio. The file contains the spatial and tabular location of each intersection.

Intersection Approach (2020–2022)

This file provides the physical location of all public road approaches to each intersection contained in the Intersection file. The Intersection Approach file is linked to the Intersection file by the INTERSECTION_EVENT_ID, which is derived from an original cross-point layer.

Barrier (2019–2022)

This file represents both shoulder and median barrier treatments on Ohio roads, including barrier type, material, length, end treatments, and other barrier characteristics.

Lighting (2020–2022)

This file provides the location of light poles associated with State-maintained highways, primarily access-controlled roads and interchange locations.

Bicycle Route (2019–2022)

This file provides statewide bicycle routes in Ohio for both on-road and off-road facilities. This file provides both ownership and route type in addition to other characteristics.

Crash File (2018–2022)

Crash data are contained in three separate files. The Crash file contains basic information on the crash. Related information on the vehicles and people involved in each crash are contained in the corresponding Unit and Person files. Specifically, the Crash file contains information relating to crash-level characteristics and conditions at the time of the crash.

The Crash file can be linked to the Unit and Person files using the crash report number (document number). The Crash file can be linked to the Roadway Inventory file using the *Route ID* and *Milepost* variables. The crashes have all been located on the inventory side using the inventory *Route ID* and the corresponding inventory milepost. These two variables are provided in the original data from the Ohio Department of Transportation (ODOT). The inventory direction (i.e., north and east direction) is the relevant *Route ID*, and the inventory milepost is the associated *Milepost* variable in the data. The prescribed accident-reporting threshold is currently personal injury or $400 in property damage.

Unit File (2018–2022)

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

Person File (2018–2022)

This file includes information on all persons involved in a crash, regardless of whether they are injured. This file includes standard variables related to seating positions in a vehicle, sex, race, and injury. The *Injury* variable in Ohio uses the KABCO classification system (K = fatal, A = incapacitating injury, B = non-incapacitating injury; C = possible injury, and O = no injury), which provides police estimates of injury level.

Using the Files Together

Using the Files Together

Figure 2 highlights the linkages between each of the 10 Ohio 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 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 *Document Number* and *Unit Number*. *Document Number* is used to link the Crash, Unit, and Person files. *Unit Number* is used to link the Unit and Person files. For other variables, duplicated variable names across files are because the same information has been collected twice. For example, *Access Control* is recorded by the reporting officer in the Crash file and is also a variable in the Roadway file. In these cases, the HSIS Laboratory has compared across these variables and harmonized them to provide consistent information.

Requesting HSIS Data

Researchers can refer to 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 arterial crashes in Ohio. Specifically, the student is interested in injury severity at different types of intersections and under different conditions. The student is also interested in vehicle age as a surrogate for safety features of the vehicle, as well as roadside barrier and curve information that may

influence crash outcomes. This feature is part 1 of the study. The graduate student anticipates in part 2 of the study to spatially combine the HSIS data with county-level socioeconomic data to explore highway safety for communities across the State.

The HSIS Laboratory will work with the student to structure a data request that includes variables that will provide insight into the student's request questions, variables to link the relevant files together, and flexibility to add external data in part 2 of the study. The following variables form the structure of the student's request:

Roadway Variables

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

Barrier Variables

- *Route ID* (linkable to the *Route ID* variable in the Roadway file)
- *Begin Milepost*
- *End Milepost*
- *Barrier Type*
- *Barrier Length*

Horizontal Curve Variables

- *Route ID* (linkable to the *Route ID* variable in the Roadway file)
- *Begin Milepost*
- *End Milepost*
- *Curve Radius*
- *Curve Length*
- *Degree of Curvature*

Crash Variables

- *Route ID* (linkable to the *Route ID* variable in the Roadway file)
- *Milepost* (necessary for linking crashes to the Roadway file in GIS)
- *Document Number* (linkable to the *Document Number* variable in the Unit file)
- *Crash Date*

- *Crash Severity*
- *First Harmful Event*
- *Light Condition*
- *Number of Units*
- *Road Condition*

Unit Variables

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

Person Variables

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

The graduate student does not request any information from the Bicycle Route, Intersection, or Intersection Approach files. When merging the files, the student should note that the Crash, Unit, Person, and Roadway files contain different numbers of observations or rows. The Crash file contains one observation per crash (e.g., a unique case number on each row), while the Unit file contains an observation for each vehicle involved in the crash. If more than one vehicle is involved in a crash, more than one row will be associated with the same *Document Number*. Additionally, the Roadway file contains an observation or row for each road segment. Some segments may have multiple crashes associated with it, whereas other segments may not have any crashes.

Available Data

Table 2 provides a summary of all variables currently available in HSIS for the 10 files. Attributes and fields have evolved since the introduction of Ohio into the HSIS data system, and users should carefully consider these changes during the data collection research process.

Table 2. Summary of Ohio HSIS variables by data file

Variable Name	Variable Description	Data File
ACCESS_CONTROL	Access control	Roadway
BEGMP	Begin milepost	Roadway
COUNTY_CD	County code	Roadway
DISTRICT_NBR	District	Roadway
DIVIDED_HWY_IND	Divided highway indicator	Roadway
ENDMP	End milepost	Roadway
FACILITY_TYPE_CD	Facility type	Roadway
FUNCTION_CLASS	Functional class	Roadway
JURISDICTION	Jurisdiction	Roadway
SURFACE_TYPE_LEFT_CD	Left side standard surface type	Roadway
BASE_TYPE_LEFT_CD	Left side base surface type	Roadway
SURFACE_WIDTH_LEFT	Left side surface width in feet	Roadway
ADT_PSNGR_CAR_NBR	Light vehicle average daily traffic	Roadway
MEDIAN_TYPE_CD	Median type	Roadway
MEDIAN_WIDTH_NBR	Median width	Roadway
MILEAGE_CLASS	Mile class	Roadway
MUNI_FIPS_CODE_LEFT	Municipality code (left)	Roadway
MUNI_FIPS_CODE_RIGHT	Municipality code (right)	Roadway
NHS_CD	National Highway System code	Roadway
LANES_NBR	Number of lanes	Roadway
BASE_TYPE_RIGHT_CD	Right side surface base class type	Roadway
SURFACE_TYPE_RIGHT_CD	Right side surface class type	Roadway
SURFACE_WIDTH_RIGHT	Right side surface width in feet	Roadway
RODWYCLS	Roadway class	Roadway
ROADWAY_WIDTH	Roadway width	Roadway
ROUTE_ID	Route ID	Roadway
ROUTE_NBR	Route number	Roadway
ROUTE_TYPE	Route type	Roadway
SCENIC_BYWAY_CD	Scenic byways	Roadway
SEGMENT_LENGTH_NBR	Segment length	Roadway
SHOULDER_PVD_WIDTH_IN_LT	Shoulder left inside	Roadway
SHOULDER_PVD_WIDTH_OUT_LT	Shoulder left outside	Roadway
SHOULDER_PVD_WIDTH_IN_RT	Shoulder right inside	Roadway
SHOULDER_PVD_WIDTH_OUT_RT	Shoulder right outside	Roadway
POSTED_SPEED_NBR	Speed limit of road	Roadway
STREET_PREFIX_DIR_CD	Street name directional prefix	Roadway
STREET_DIR_SUFFIX_CD	Street name directional suffix	Roadway
STREET_NAME	Street name	Roadway

Variable Name	Variable Description	Data File
ADT_TRUCK_NBR	Truck average daily traffic	Roadway
ADT_TOTAL_NBR	Weighted average total AADT	Roadway
ADT_YEAR_NBR	Year of AADT count	Roadway
BEGMP	Begin milepost	Horizontal Curve
COUNTY	County	Horizontal Curve
CURVE_LENGTH	Curve length	Horizontal Curve
CURVE_RADIUS	Curve radius	Horizontal Curve
CURVE_TYPE	Curve type	Horizontal Curve
DEGREE_OF_CURVE	Degree of curve	Horizontal Curve
SIGN	Direction of curve	Horizontal Curve
DISTRICT_NBR	District	Horizontal Curve
ENDMP	End milepost	Horizontal Curve
ROUTE_ID	Route ID	Horizontal Curve
ROUTE_NBR	Route number	Horizontal Curve
LOCAL_ONLY_IND	Exclusively local roadways	Intersection
INTERSECTION_EVENT_ID	Intersection event ID	Intersection
INTERSECTION_ID	Intersection ID	Intersection
INTERSECTION_NAME	Intersection name	Intersection
MAJOR_NUMBER_LANES	Major number of lanes	Intersection
MAJOR_ROAD_OFFSET	Major road milepost	Intersection
MAJOR_NLF_ID	Major route ID	Intersection
MINOR_NUMBER_LANES	Minor number of lanes	Intersection
MINOR_ROAD_OFFSET	Minor road milepost	Intersection
MINOR_NLF_ID	Minor route ID	Intersection
NUMBER_LEGS	Number of legs	Intersection
RETIRE_DT	Retire date	Intersection
RETIRED_IND	Retired from dataset	Intersection
SKEW	Skew angle	Intersection
TRAFFIC_CONTROL	Traffic control	Intersection
VALID_IND	Valid intersection	Intersection
APPROACH_ANGLE	Approach angle	Intersection Approach
BEGMP	Begin milepost	Intersection Approach
CROSS_ROUTE_ID	Cross route ID	Intersection Approach
CROSS_ROUTE_LEG_ID	Cross route leg ID	Intersection Approach
ENDMP	End milepost	Intersection Approach
INTERSECTION_EVENT_ID	Intersection event ID	Intersection Approach
MILEPOST	Intersection milepost	Intersection Approach
LEG_DIRECTION	Leg direction	Intersection Approach
ROUTE_ID	Route ID	Intersection Approach
AADT_BC_TRUCK	AADT for businesses/trucks	Barrier
AADT_PASSENGER	AADT for passenger vehicles	Barrier
ACCESS_CONTROL	Access control	Barrier
BARRIER_FILE_NUMBER	Barrier file number	Barrier
BARRIER_LENGTH_FT	Barrier length	Barrier

Variable Name	Variable Description	Data File
STATUS	Barrier status	Barrier
BARRIER_SUB_CATEGORY	Barrier subcategory	Barrier
BARRIER_TYPE	Barrier type	Barrier
BASE_TYPE	Base type	Barrier
LATITUTDE_DD_BEGIN	Begin latitude	Barrier
LONGITUDE_DD_BEGIN	Begin longitude	Barrier
BEGMP	Begin milepost	Barrier
BLOCKOUT_TYPE	Blockout type	Barrier
END_CONSTRUCTION_DATE	Construction end date	Barrier
COUNTY	County	Barrier
COUNTY_CD	County code	Barrier
CRS	County-route section	Barrier
CURB	Curb	Barrier
INSTALLATION_DATE	Date of installation	Barrier
DISTRICT_NBR	District	Barrier
DIVIDED_INDICATOR	Divided indicator	Barrier
LATITUDE_DD_END	End latitude	Barrier
LONGITUDE_DD_END	End longitude	Barrier
ENDMP	End milepost	Barrier
END_TERMINAL	End terminal	Barrier
FUNCTIONAL_CLASS	Functional class	Barrier
INTERSECT_RADIUS_DEG	Guardrail radius	Barrier
INTERSECTION_RADIUS	Intersection radius	Barrier
INVENTORY_COMMENTS	Inventory comments	Barrier
JURISDICTION	Jurisdiction	Barrier
LANES_NBR	Number of lanes	Barrier
LONG_SPAN	Long span	Barrier
START_TERMINAL	Material for start of terminal	Barrier
RUN_POST_TYPE	Material type of barrier posts	Barrier
MIDDLE_TERMINAL	Middle terminal	Barrier
MOWSTRIP	Mow strip	Barrier
LEFT_MUNI_NAME	Municipality to the left of the road	Barrier
RIGHT_MUNI_NAME	Municipality to the right of the road	Barrier
NESTED_RAIL	Nested rail	Barrier
NHS_ROUTE	National Highway System route type	Barrier
POST_ENCASEMENT	Post encasement	Barrier
POST_SPACING	Post spacing	Barrier
PRIORITY_SYSTEM	Priority system	Barrier
REFLECTORS	Reflectors	Barrier
MAINTAIN_RESPONSIBLE	Responsible for maintenance	Barrier
ROADWAY_WIDTH_NBR	Roadway width	Barrier

Variable Name	Variable Description	Data File
ROUNDED_BUFFER	Rounded buffer	Barrier
ROUTE_ID	Route ID	Barrier
ROUTE_NBR	Route number	Barrier
ROUTE_SUFFIX	Route suffix	Barrier
ROUTE_TYPE	Route type	Barrier
SURFACE_TYPE	Surface type	Barrier
SURFACE_WIDTH	Surface width (feet)	Barrier
AADT_TOTAL	Total AADT	Barrier
LEFT_TWP_NAME	Township to the left of the road	Barrier
RIGHT_TWP_NAME	Township to the right of the road	Barrier
GLARE_SCREEN	Type of glare screen	Barrier
BRIDGE_MOUNT	Bridge mount	Lighting
COUNTY	County	Lighting
CRS	County-route section	Lighting
LATITUDE_DD_BEGN	Latitude of light	Lighting
LIGHTING_TYPE	Lighting type	Lighting
LONGITUDE_DD_BEGIN	Longitude of light	Lighting
LUMINAIRE_TYPE	Luminaire type	Lighting
MAINTAIN_RESPONSIBLE	Responsible for maintenance	Lighting
MEDIAN_WALL_MOUNT	Median wall mount	Lighting
MILEPOST	Milepost	Lighting
ROUTE_ID	Route ID	Lighting
ROUTE_NBR	Route number	Lighting
STATUS	Status	Lighting
STRUCTURE_MOUNT	Structure mount	Lighting
HL_FILE_NUM	Unique ID	Lighting
BEGMP	Begin milepost	Bicycle Route
BIKE_ROUTE_ID	Bike route ID	Bicycle Route
F_WIDTH	Bike route total width (feet)	Bicycle Route
FACILITY_TYPE	Classification of bike route	Bicycle Route
COUNTY	County	Bicycle Route
COUNTY_CD	County code	Bicycle Route
ENDMP	End milepost	Bicycle Route
LTS	Level of traffic stress	Bicycle Route
ROUTE_ID	Route ID	Bicycle Route
ROUTE_TYPE	Route type	Bicycle Route
NAME2	Name of larger trail network	Bicycle Route
DISTRICT_NBR	ODOT district number	Bicycle Route
FACILITY_OWNER	Organization owning the bike route	Bicycle Route
BIKE_ROUTE_TYPE	Type of bike route	Bicycle Route
OWNER_TYPE	Bike route owner	Bicycle Route

Variable Name	Variable Description	Data File
ROUTE_NBR	Route number	Bicycle Route
ROUTE_STATUS	Route status	Bicycle Route
NAME	Trail name	Bicycle Route
ACCESS_CONTROL	Access control	Crash
ROAD_CONTOUR_CD	Contour of roadway	Crash
COUNTY_CD	County code	Crash
CRASH_DATE	Crash date	Crash
CRASH_SEVERITY_CD	Crash severity	Crash
CRASH_YR	Crash year	Crash
DAY_IN_WEEK_CD	Day of week	Crash
ODOT_DIR_FROM_REF_CD	Direction from reference	Crash
ODOT_MILES_FROM_REF_NBR	Distance offset	Crash
DISTRICT_NBR	District	Crash
DIVIDED_HWY_IND	Divided/undivided road identification	Crash
DOCUMENT_NBR	Document number	Crash
FREEWAY_IND	Freeway/non-freeway indicator	Crash
FUNCTIONAL_CLASS	Functional classification	Crash
HOUR_OF_CRASH	Hour of day	Crash
INTERSTATE_IND	Interstate highway indicator	Crash
INV_NLFID	Inventory route ID	Crash
JURISDICTION	Jurisdiction	Crash
LIGHT_COND_PRIMARY_CD	Light condition	Crash
LOCAL_REPORT_NUMBER_ID	Local report number	Crash
ODOT_CITY_VILLAGE_TWP_CD	Locality	Crash
MILEPOST	Milepost	Crash
NHS_CD	National Highway System indicator	Crash
LANES_NBR	Number of lanes	Crash
NUM_PEDESTRIANS	Number of pedestrians	Crash
NUMBER_OF_UNITS_NBR	Number of units	Crash
PED_TOTAL_INJURED_NBR	Pedestrians injured	Crash
PED_FATALITIES_NBR	Pedestrians killed	Crash
ROAD_COND_PRIMARY_CD	Road condition	Crash
RDWYCLS	Roadway class	Crash
ROUTE_ID	Route ID	Crash
ROUTE_NBR	Route number	Crash
CROSS_ROUTE_NLFID	Street at/cross route	Crash
ODPS_LOC_ROAD_NME	Street on	Crash
ODPS_TOTAL_FATALITIES_NBR	Total fatalities	Crash
NO_INJURY_REPORTED_NBR	Total non-injuries	Crash
POSSIBLE_INJURIES_NBR	Total possible injuries	Crash
NON_INCAPAC_INJURIES_NBR	Total suspected minor injuries	Crash

Variable Name	Variable Description	Data File
INCAPAC_INJURIES_NBR	Total suspected serious injuries	Crash
U1_FIRST_HARMFUL_CD	Type of crash (first harmful event)	Crash
WEATHER_COND_CD	Weather condition	Crash
CARGO_BODY_TYPE_CD	Cargo body type	Unit
CONT_CIR_PRIMARY_CD	Contributing factor of vehicle	Unit
CRASH_YR	Crash year	Unit
DOCUMENT_NBR	Document number	Unit
FIRST_HARMFUL_SEQ_NBR	First harmful event	Unit
HAZ_MAT_PLACARD_IND	Hazardous material placard	Unit
HAZ_MAT_RELEASED_IND	Hazardous material released	Unit
IN_EMERGENCY_RESPONSE	In-emergency response	Unit
VEHICLE_MAKE	Make of vehicle	Unit
VEHICLE_MODEL	Model of vehicle	Unit
MOST_HARMFUL_CD	Most harmful event	Unit
NON_MOTORIST_LOC_CD	Non-motorist location	Unit
NUMBER_OF_OCCUPANTS_NBR	Number of occupants	Unit
PRECRASH_ACTION_CD	Precrash actions	Unit
IMPACT_AREA	Point of impact	Unit
POSTED_SPEED_NBR	Posted speed limit	Unit
SEQ_OF_EVENTS_1_cD	Sequence of events 1	Unit
SEQ_OF_EVENTS_2_CD	Sequence of events 2	Unit
SEQ_OF_EVENTS_3_CD	Sequence of events 3	Unit
SEQ_OF_EVENTS_4_CD	Sequence of events 4	Unit
SPEED_DETECTED	Speed detected	Unit
COLLISION_ACTION_CD	Striking/struck	Unit
TRAFFIC_CONTROL_CD	Traffic control of vehicle	Unit
WEIGHT_CLASS_GVWR	Truck/bus weight	Unit
UNIT_NBR	Unit number	Unit
DAMAGE_SCALE	Vehicle damage scale	Unit
ODPS_PROOF_OF_INSURANCE_SHOWN	Vehicle insured	Unit
VEHICLE_YEAR	Vehicle model year	Unit
ODPS_DIRECTION_FROM_CD	Vehicle/non-motorist direction from	Unit
ODPS_DIRECTION_TO_CD	Vehicle/non-motorist direction to	Unit
VEHICLE_DEFECTS	Vehicle condition	Unit
TYPE_OF_UNIT_CD	Vehicle type	Unit
AIR_BAG_USAGE	Airbag deployment	Person
ODPS_IS_ALCOHOL_SUSPECTED	Alcohol involved	Person
ALCOHOL_TEST_STATUS	Alcohol test status	Person
ALCOHOL_TEST_TYPE	Alcohol test type	Person
CITATION_GIVEN	Citation given	Person

Variable Name	Variable Description	Data File
CITATION_LOCAL_CODE_IND	Citation local code	Person
DOCUMENT_NBR	Document number	Person
DRIVER_LICENSE_ISSUE_STATE	Driver license State	Person
DRUG_TEST_STATUS	Drug test status	Person
DRUG_TEST_TYPE	Drug test type	Person
ODPS_DRUG_TEST_RESULT_1	Drug test 1 result	Person
ODPS_DRUG_TEST_RESULT_2	Drug test 2 result	Person
EJECTION	Ejected from vehicle	Person
MC_HELMET_USDOT_COMPLIANT	Helmet use	Person
INJURED_TAKEN_BY	Injured transportation	Person
AGE_NBR	Occupant age	Person
GENDER_CD	Occupant gender	Person
INJURIES	Occupant injury	Person
TYPE_OF_PERSON	Occupant type	Person
CONDITION_CD	Motorist/non-motorist physical condition	Person
SAFETY_EQUIPMENT_USED	Safety equipment	Person
SEATING_POSITION	Seating position	Person
TRAPPED	Trapped	Person
UNIT_NBR	Unit number	Person

Roadway File

Roadway File

Access Control*

Variable Name: ACCESS_CONTROL

Definition: The degree of access control for a given section of the road

Field Type: Coded:

- 1 = full access control
- 2 = partial access control
- 3 = no access control

Begin Milepost

Variable Name: BEGMP

Definition: Calculated beginning milepost of the roadway segment (e.g., 1.192)

Field Type: Numeric

County Code

Variable Name: COUNTY_CD

Definition: County of the roadway segment

Field Type: Coded:

- ADA = Adams
- ALL = Allen
- ASD = Ashland
- ATB = Ashtabula
- ATH = Athens
- AUG = Auglaize
- BEL = Belmont
- BRO = Brown
- BUT = Butler
- CAR = Carroll
- CHP = Champaign
- CLA = Clark
- CLE = Clermont
- CLI = Clinton
- COL = Columbiana
- COS = Coshocton
- CRA = Crawford
- CUY = Cuyahoga

*Variable created by HSIS Laboratory

- DAR = Darke
- DEF = Defiance
- DEL = Delaware
- ERI = Erie
- FAI = Fairfield
- FAY = Fayette
- FRA = Franklin
- FUL = Fulton
- GAL = Gallia
- GEA = Geauga
- GRE = Greene
- GUE = Guemsey
- HAM = Hamilton
- HAN = Hancock
- HAR = Hardin
- HAS = Harrison
- HEN = Henry
- HIG = Highland
- HOC = Hocking
- HOL = Holmes
- HUR = Huron
- JAC = Jackson
- JEF = Jefferson
- KNO = Knox
- LAK = Lake
- LAW = Lawrence
- LIC = Licking
- LOG = Logan
- LOR = Lorain
- LUC = Lucas
- MAD = Madison
- MAH = Mahoning
- MAR = Marion
- MED = Medina
- MEG = Meigs
- MER = Mercer
- MIA = Miami
- MOE = Monroe
- MOT = Montgomery
- MRG = Morgan
- MRW = Morrow
- MUS = Muskingham
- NOB = Noble
- OTT = Ottawa
- PAU = Paulding
- PER = Perry
- PIC = Pickaway
- PIK = Pike
- POR = Portage
- PRE = Preble
- PUT = Putnam
- RIC = Richland
- ROS = Ross
- SAN = Sandusky
- SCI = Scioto
- SEN = Seneca
- SHE = Shelby
- STA = Stark
- SUM = Summit
- TRU = Trumbull
- TUS = Tuscarawas
- UNI = Union
- VAN = Van Wert
- VIN = Vinton
- WAR = Warren
- WAS = Washington
- WAY = Wayne
- WIL = Williams
- WOO = Wood
- WAY = Wyandot

District

Variable Name: DISTRICT_NBR

Definition: District of roadway segment (e.g., 9)

Field Type: Coded:

- 1 = District 1—Lima
- 2 = District 2—Bowling Green
- 3 = District 3—Ashland
- 4 = District 4—Akron
- 5 = District 5—Jacksontown
- 6 = District 6—Delaware
- 7 = District 7—Sidney
- 8 = District 8—Lebanon
- 9 = District 9—Chillicothe
- 10 = District 10—Marietta
- 11 = District 11—New Philadelphia
- 12 = District 12—Garfield Heights

Divided Highway Indicator

Variable Name: DIVIDED_HWY_IND

Definition: Whether the road segment is divided or not

Field Type: Coded:

Y = divided
N = not divided

End Milepost

Variable Name: ENDMP

Definition: Calculated ending milepost of the roadway segment (e.g., 1.192)

Field Type: Numeric

Facility Type

Variable Name: FACILITY_TYPE_CD

Definition: FHWA type of facility of the roadway segment

Field Type: Coded:

- 1 = one-way roadway
- 2 = two-way roadway
- 3 = couplet
- 4 = ramp
- 5 = non-mainline
- 6 = non-inventory direction
- 7 = planned/unbuilt

Functional Class

Variable Name: FUNCTION_CLASS

Definition: Functional class

Field Type: Coded:

- 1 = interstate
- 2 = principal arterial—other freeway and expressways
- 3 = principal arterial—other
- 4 = minor arterial
- 5 = major collector
- 6 = minor collector
- 7 = local

Jurisdiction

Variable Name: JURISDICTION

Definition: Jurisdiction type of the roadway segment

Field Type: Coded:

- C = county
- F = Federal
- M = municipal
- P = private
- S = State
- T = township
- X = unknown

Left Side Standard Surface Type

Variable Name: SURFACE_TYPE_LEFT_CD

Definition: Identifies surface material on the left side of the road while heading in the cardinal direction of the dominant route. Left refers to the non-cardinal segment on a divided route. On a non-divided segment, left refers to the non-cardinal direction of the segment.

Field Type: Coded:

- A = combination surface
- B = brick
- C = continuous reinforced
- D = reinforced concrete
- E = plain concrete
- G = bituminous concrete
- I = chip seal on granular
- K = open-graded bituminous
- L = chip seal or micro
- M = gravel
- U = unimproved
- X = right of way only

Left Side Surface Base Type

Variable Name: BASE_TYPE_LEFT_CD

Definition: Identifies material type under the surface layer of a roadway. For non-divided routes, this roadway would be the left lane in the non-cardinal direction. For a divided route, both the cardinal and non-cardinal left lanes would be coded the same.

Field Type: Coded:

- F = crack and seat
- H = rubblize and roll
- I = aggregate base 304 or traffic compacted(4)
- K = water-bound macadam
- L = bituminous concrete mix or penetration macadam
- N = plain concrete
- P = reinforced concrete
- R = brick—flexible
- T = brick—rigid

Left Side Surface Width in Feet

Variable Name: SURFACE_WIDTH_LEFT

Definition: Identifies the total width in feet of the "drivable" portion of a route segment (or all lanes combined) on the non-cardinal side of the divided segment (e.g., 9)

Field Type: Numeric

Light Vehicle ADT

Variable Name: ADT_PSNGR_CAR_NBR

Definition: Average daily traffic (ADT) information for passenger cars on the roadway segment (e.g., 6,190)

Field Type: Numeric

Median Type

Variable Name: MEDIAN_TYPE_CD

Definition: Type of median on the roadway segment

Field Type: Coded:

- 1 = none—no median or unprotected area less than 4 ft wide
- 2 = unprotected—median exists with a width of 4 ft or more
- 3 = curbed—barrier or mountable curbs with a minimum height of 4 inches
- 4 = positive barrier: unspecified—prevents vehicles from crossing a median
- 5 = positive barrier: flexible—considerable deflection on impact
- 6 = positive barrier: semirigid—some deflection on impact
- 7 = positive barrier: rigid—no deflection upon impact

Median Width

Variable Name: MEDIAN_WIDTH_NBR

Definition: Width of median in feet on the roadway segment (e.g., 204)

Field Type: Numeric

Mile Class

Variable Name: MILEAGE_CLASS

Definition: Identifies the locations or jurisdictions of a roadway segment

Additional Information: Codes 3, 4, and 5 are divided between two boundaries

Field Type: Coded:

- 0 = not applicable (N/A) (only used for concurrent, secondary segments)
- 1 = rural
- 2 = municipal
- 3 = rural/municipal
- 4 = municipal/municipal
- 5 = rural/rural

Municipality Code (Left)

Variable Name: MUNI_FIPS_CODE_LEFT

Definition: Municipality code of the roadway segment on the left made up of the three-letter county code, the municipality name, and the Federal Information Processing Standards (FIPS) code[4]

Field Type: Text

Municipality Code (Right)

Variable Name: MUNI_FIPS_CODE_RIGHT

Definition: Municipality code of the roadway segment on the right made up of the three-letter county code, the municipality name, and the FIPS code

Field Type: Text

National Highway System Code

Variable Name: NHS_CD

Definition: A roadway that is a component of the National Highway System (NHS).[5] An NHS route, the Strategic Highway Network (STRAHNET),[6] or an intermodal connector are all part of the NHS

Field Type: Coded:

- N = NHS (regular)
- H = congressional corridors
- S = STRAHNET
- C = STRAHNET connectors
- 2 = major airport
- 3 = major port facility
- 4 = major Amtrak station
- 5 = major rail/truck terminal
- 6 = major intercity bus terminal
- 7 = major public transit/multimodal passenger terminal
- 8 = major pipeline terminal
- 9 = major ferry terminal

Number of Lanes

Variable Number: LANES_NBR

Definition: The total number of lanes for both directions that carry through traffic (e.g., 2)

Field Type: Numeric

Right Side Surface Base Class Type

Variable Number: BASE_TYPE_RIGHT_CD

Definition: Identifies material type under the surface layer of a roadway. For non-divided routes, this variable would be the right lane in the cardinal direction. For a divided route, both the cardinal and non-cardinal right lanes would be coded the same.

Field Type: Coded:

- F = crack and seat
- H = rubblize and roll
- I = aggregate base 304 or traffic compacted(4)
- K = water-bound macadam
- L = bituminous concrete mix or penetration macadam
- N = plain concrete
- P = reinforced concrete
- R = brick—flexible
- T = brick—rigid

Right Side Surface Class Type

Variable Name: SURFACE_TYPE_RIGHT_CD

Definition: Identifies surface material on the right side of the road while heading in the cardinal direction of the dominant route. Right refers to the cardinal segment on a divided route or non-divided route.

Field Type: Coded:

- A = combination surface
- B = brick
- C = continuous reinforced
- D = reinforced concrete
- E = plain concrete
- G = bituminous concrete
- I = chip seal on granular
- K = open-graded bituminous
- L = chip seal or micro
- M = gravel
- U = unimproved
- X = right of way only

Right Side Surface Width in Feet

Variable Name: SURFACE_WIDTH_RIGHT

Definition: Identifies the total width in feet of the "drivable" portion of a route segment (or all lanes combined), on the cardinal side of divided segment (e.g., 9)

Field Type: Numeric

Roadway Class*

Variable Name: RODWYCLS

Definition: The HSIS Laboratory developed the *Roadway Class* variable to readily classify roadway data. This variable is a combination of the *Number of Lanes*, *Median Type*, and *Functional Class* variables and the U.S. Census urban places data (e.g., rural two-lane roads).[7]

Field Type: Text:

*Variable created by HSIS Laboratory

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

Roadway Width

Variable Name: ROADWAY_WIDTH

Definition: The total width of the roadway segment in feet (e.g., 20)

Field Type: Numeric

Route ID

Variable Name: ROUTE_ID

Definition: Primary key field that allows ODOT's graphic roadway network geometric segments to be linked to business data attributes (e.g., SSTASR00043**C and MMOTMR01594F*C)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: Route number of the roadway segment (e.g., 1)

Field Type: Numeric

Route Type

Variable Name: ROUTE_TYPE

Definition: Route type information of the roadway segment

Field Type: Coded:

- BK = bike route (trail)
- CN = connecting road
- CR = county road
- DD = U.S. Department of Defense road
- DR = driveway
- FR = forest road
- FW = U.S. Fish and Wildlife Service road
- IR = interstate
- MR = municipal street
- NA = National Aeronautics and Space Administration (NASA) road
- NP = National Park Service road
- NR = natural resources road (park road)
- PL = parking lot
- RA = ramp
- RE = rest area entry/exit
- RR = railroad track
- SR = State route
- TR = township road
- US = U.S. route
- WS = weigh station entry/exit
- XX = unknown

Scenic Byways

Variable Name: SCENIC_BYWAY_CD

Definition: Scenic byways information of the roadway segment

Field Type: Coded:

- A = all-American road
- N = national scenic byway
- S = State scenic byway

Segment Length

Variable Name: SEGMENT_LENGTH_NBR

Definition: Section length in miles (e.g., 1.192)

Field Type: Numeric

Shoulder Left Inside

Variable Name: SHOULDER_PVD_WIDTH_IN_LT

Definition: The width in feet of the paved shoulder on the median (inner) side of the roadway on a non-cardinal, divided roadway measured from the center of the edge line outward (e.g., 16)

Field Type: Numeric

Shoulder Left Outside

Variable Name: SHOULDER_PVD_WIDTH_OUT_LT

Definition: The width in feet of the paved portion of the left (outside) shoulder measured from the center of the edge line outward. (e.g., 10)

Additional Information: Null indicates no data are available.

Field Type: Numeric

Shoulder Right Inside

Variable Name: SHOULDER_PVD_WIDTH_IN_RT

Definition: The width in feet of the paved portion of the right (inside) shoulder measured from the center of the edge line outward. (e.g., 16)

Field Type: Numeric

Shoulder Right Outside

Variable Name: SHOULDER_PVD_WIDTH_OUT_RT

Definition: The width in feet of the paved portion of the right (outside) shoulder measured from the center of the edge line outward (e.g., 10)

Field Type: Numeric

Speed Limit of Road

Variable Name: POSTED_SPEED_NBR

Definition: Posted speed limit in miles per hour on the roadway segment (e.g., 45)

Field Type: Numeric

Street Name Directional Prefix

Variable Name: STREET_PREFIX_DIR_CD

Definition: Street name directional prefix information of the roadway segment

Field Type: Coded:

- N = north
- S = south
- E = east
- W = west

Street Name Directional Suffix

Variable Name: STREET_DIR_SUFFIX_CD

Definition: Street name directional suffix information of the roadway segment

Field Type: Coded:

- N = north
- S = south
- E = east
- W = west

Street Name

Variable Name: STREET_NAME

Definition: Street name of the roadway segment (e.g., Beasley Fork)

Field Type: Text

Truck ADT

Variable Name: ADT_TRUCK_NBR

Definition: ADT information for trucks on the roadway segment (e.g., 84)

Field Type: Numeric

Weighted Average Total AADT

Variable Name: ADT_TOTAL_NBR

Definition: Calculated average AADT (e.g., 6,274)

Field Type: Numeric

Year of AADT Count

Variable Name: ADT_YEAR_NBR

Definition: Year of AADT (e.g., 2020)

Field Type: Numeric

Horizontal Curve File

Horizontal Curve File

Begin Milepost

Variable Name: BEGMP

Definition: Beginning Linear Referencing System (LRS) milepost of the curve (e.g., 5.279)

Field Type: Numeric

County

Variable Name: COUNTY

Definition: County of the curve (e.g., ADAMS)

Field Type: Text

Curve Length

Variable Name: CURVE_LENGTH

Definition: Curve length in feet (e.g., 335)

Field Type: Numeric

Curve Radius

Variable Name: CURVE_RADIUS

Definition: Radius of the curve along the road segment in feet (e.g., 686)

Field Type: Numeric

Curve Type

Variable Name: CURVE_TYPE

Definition: Whether the curve is along a mainline or a ramp segment (e.g., mainline)

Field Type: Text

Degree of Curve*

Variable Name: DEGREE_OF_CURVE

Definition: Degree of the roadway curve information. Calculated by dividing 5,729.58 by the curve radius (e.g., 8.35)

Field Type: Numeric

Direction of Curve

Variable Name: SIGN

Definition: Direction of roadway curve. If the segment is a two-way road, a direction of curve left and right will be present for each side of the road (e.g., right)

Field Type: String

District

Variable Name: DISTRICT_NBR

Definition: District information of the roadway curve

Field Type: Coded:

- 1 = District 1—Lima
- 2 = District 2—Bowling Green
- 3 = District 3—Ashland
- 4 = District 4—Akron
- 5 = District 5—Jacksontown
- 6 = District 6—Delaware

*Variable created or edited by HSIS Laboratory

- 7 = District 7—Sidney
- 8 = District 8—Lebanon
- 9 = District 9—Chillicothe
- 10 = District 10—Marietta
- 11 = District 11—New Philadelphia
- 12 = District 12—Garfield Heights

End Milepost

Variable Name: ENDMP

Definition: Ending LRS milepost of the curve (e.g., 5.153)

Field Type: Numeric

Route ID

Variable Name: ROUTE_ID

Definition: Primary field that allows ODOT's graphic roadway network geometric segments to be linked to business data attributes (e.g., SADASR00247**C)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: Route number of the roadway curve (e.g.,00247)

Additional Information: From 2000, this variable became five characters with first digit being "0" and last digit being RTE_SUFX.

Field Type: Numeric

Intersection File

Intersection File

Exclusively Local Roadways

Variable Name: LOCAL_ONLY_IND

Definition: Indicates if the intersection consists exclusively of local roadways

Field Type: Coded:

Y = yes
N = no

Intersection Event ID

Variable Name: INTERSECTION_EVENT_ID

Definition: ID of the intersection that will be used to link to the approach leg variables (e.g., 00001e03-59de-489e-8b73-01ab6fd929fd)

Field Type: Text

Intersection ID

Variable Name: INTERSECTION_ID

Definition: ID of the intersection (e.g., 9e98c375-cd76-47ff-9cc9-c61050f09b68)

Field Type: String

Intersection Name

Variable Name: INTERSECTION_NAME

Definition: Common names of the roads at the intersection (e.g., Gilhouse Road and Dogwood Lane)

Field Type: Text

Major Number of Lanes

Variable Name: MAJOR_NUMBER_LANES

Definition: Total number of lanes on the major road at the intersection (e.g., 4)

Field Type: Numeric

Major Road Milepost

Variable Name: MAJOR_ROAD_OFFSET

Definition: The milepost of the major road at the point of the intersection (e.g., 3.242)

Field Type: Numeric

Major Route ID

Variable Name: MAJOR_NLF_ID

Definition: The route ID of the major road at the intersection (e.g., SSTASR00043**C)

Field Type: Text

Minor Number of Lanes

Variable Name: MINOR_NUMBER_LANES

Definition: Total number of lanes on the minor road at the intersection (e.g., 3)

Field Type: Numeric

Minor Road Milepost

Variable Name: MINOR_ROAD_OFFSET

Definition: The milepost of the minor road at the point of the intersection (e.g., 12.409)

Field Type: Numeric

Minor Route ID

Variable Name: MINOR_NLF_ID

Definition: The route ID of the minor road at the intersection (e.g., SSTASR00043**C)

Field Type: Text

Number of Legs

Variable Name: NUMBER_LEGS

Definition: Total number of legs at the intersection (e.g., 4)

Field Type: Numeric

Retire Date

Variable Name: RETIRE_DT

Definition: Date the record was retired from use in the dataset (e.g., 4/1/2020)

Field Type: Date

Retired from Dataset

Variable Name: RETIRED_IND

Definition: Indicator that intersection has been retired from the dataset

Field Type: Coded:

Y = yes
N = no

Skew Angle

Variable Name: SKEW

Definition: The angle of the narrowest skew at the intersection in degrees

Field Type: Numeric

Traffic Control

Variable Name: TRAFFIC_CONTROL

Definition: The type of traffic control present at the intersection

Field Type: Text

Valid Intersection

Variable Name: VALID_IND

Definition: Indicates if the record is a valid intersection

Field Type: Coded:

Y = yes
N = no

Intersection Approach File

Intersection Approach File

Approach Angle

Variable Name: APPROACH_ANGLE

Definition: Angle of the leg when exiting, relative to the east direction in degrees. A value of "0" represents the east cardinal direction (e.g., 265.071)

Field Type: Numeric

Begin Milepost

Variable Name: BEGMP

Definition: Beginning milepost of the approach (e.g., 0.485)

Field Type: Numeric

Cross Route ID

Variable Name: CROSS_ROUTE_ID

Definition: Variable used to link the approaches to a point in the Intersecton file. The intersection event ID can be attached to a leg through this variable (e.g., bb5ae3d558967c2de32f33d6fa9d3a28)

Field Type: Text

Cross Route Leg ID

Variable Name: CROSS_ROUTE_LEG_ID

Definition: The unique leg identifier (e.g., 00001bf7-8896-491f-87c2-4bada47c5048)

Field Type: Text

End Milepost

Variable Name: ENDMP

Definition: Ending milepost of the approach (e.g., 0.042)

Field Type: Numeric

Intersection Event ID

Variable Name: INTERSECTION_EVENT_ID

Definition: Unique intersection ID. Every point at an intersection has the same Intersection event ID. This variable is used to link the legs to an intersection point in the Intersection file (e.g., 9b5b2b6a-53ab-411b-9337-e0aec33f791c)

Field Type: Text

Intersection Milepost

Variable Name: MILEPOST

Definition: Milepost of the intersection point. If the leg is incoming. The intersection milepost is equal to the end-leg milepost. If the leg is outgoing, it matches the beginning-leg milepost (e.g., 9.13)

Field Type: Numeric

Leg Direction

Variable Name: LEG_DIRECTION

Definition: Whether the leg is incoming or outgoing (e.g., incoming)

Field Type: Text

Route ID

Variable Name: ROUTE_ID

Definition: The link to the LRS road on which the approach falls (e.g., TGALTR00530**C)

Field Type: Text

Barrier File

Barrier File

AADT for Businesses/Trucks

Variable Name: AADT_BC_TRUCK

Definition: AADT for businesses, commercial motor vehicles, and trucks (e.g., 12)

Field Type: Numeric

AADT for Passenger Vehicles

Variable Name: AADT_PASSENGER

Definition: AADT for passenger vehicles (e.g., 116)

Field Type: Numeric

Access Control*

Variable Name: ACCESS_CONTROL

Definition: The degree of access control for a given section of the road

Field Type: Coded:

- 1 = full access control—Preference is given to through traffic movements by providing interchanges with selected public roads, and by prohibiting crossing at-grade and direct driveway connections (i.e., limited access to the facility).
- 2 = partial access control—Preference is given to through traffic movement. In addition to interchanges, some crossing at-grade with public roads may be present, but direct private driveway connections have been minimized through the use of frontage roads or other local access restrictions. Control of curb cuts is not access control.
- 3 = no access control—No degree of access control exists (i.e., full access to the facility is permitted).

*Variable created or edited by HSIS Laboratory

Barrier File Number

Variable Name: BARRIER_FILE_NUMBER

Definition: File number for the barrier (e.g., BAR1041480)

Field Type: Text

Barrier Length

Variable Name: BARRIER_LENGTH_FT

Definition: Barrier length in feet (e.g., 102)

Field Type: Numeric

Barrier Status

Variable Name: STATUS

Definition: Status of the barrier (e.g., A)

Field Type: Coded:

- A = active
- P = proposed
- R = retired

Barrier Subcategory

Variable Name: BARRIER_SUB_CATEGORY

Definition: Specific technical type of barrier present

Field Type: Text

Barrier Type

Variable Name: BARRIER_TYPE

Definition: Type of roadway barrier present

Field Type: Coded:

- 1 = guardrail
- 2 = cable
- 3 = concrete

Base Type

Variable Name: BASE_TYPE

Definition: Type of base used in roadway pavement

Field Type: Coded:

- F = crack and seat
- H = rubblize and roll
- I = aggregate base 304 or traffic compacted(4)
- K = water-bound macadam
- L = bituminous concrete mix or penetration macadam
- N = plain concrete
- P = reinforced concrete
- R = brick—flexible
- T = brick—rigid

Begin Latitude

Variable Name: LATITUDE_DD_BEGIN

Definition: Beginning latitude (e.g., −81.248607)

Field Type: Numeric

Begin Longitude

Variable Name: LONGITUDE_DD_BEGIN

Definition: Beginning longitude (e.g., −81.248607)

Field Type: Numeric

Begin Milepost

Variable Name: BEGMP

Definition: Beginning milepost (e.g., 8.775)

Field Type: Numeric

Blockout Type

Variable Name: BLOCKOUT_TYPE

Definition: Type of blockout used to hold barrier (e.g., alternate)

Field Type: Text

Construction End Date

Variable Name: END_CONSTRUCTION_DATE

Definition: Construction end date (e.g., 1/13/2021)

Field Type: Date

County

Variable Name: COUNTY

Definition: Name of county (e.g., Monroe)

Field Type: Text

County Code

Variable Name: COUNTY_CD

Definition: County code

Field Type: Coded:

- ADA = Adams
- ALL = Allen
- ASD = Ashland
- ATB = Ashtabula
- ATH = Athens
- AUG = Auglaize
- BEL = Belmont
- BRO = Brown
- BUT = Butler
- CAR = Carroll
- CHP = Champaign
- CLA = Clark
- CLE = Clermont
- CLI = Clinton
- COL = Columbiana
- COS = Coshocton
- CRA = Crawford
- CUY = Cuyahoga
- DAR = Darke
- DEF = Defiance
- DEL = Delaware
- ERI = Erie
- FAI = Fairfield
- FAY = Fayette
- FRA = Franklin
- FUL = Fulton
- GAL = Gallia
- GEA = Geauga
- GRE = Greene
- GUE = Guemsey
- HAM = Hamilton
- HAN = Hancock
- HAR = Hardin
- HAS = Harrison
- HEN = Henry
- HIG = Highland
- HOC = Hocking
- HOL = Holmes
- HUR = Huron
- JAC = Jackson
- JEF = Jefferson
- KNO = Knox
- LAK = Lake
- LAW = Lawrence
- LIC = Licking
- LOG = Logan
- LOR = Lorain
- LUC = Lucas
- MAD = Madison
- MAH = Mahoning
- MAR = Marion
- MED = Medina
- MEG = Meigs
- MER = Mercer
- MIA = Miami
- MOE = Monroe
- MOT = Montgomery
- MRG = Morgan
- MRW = Morrow
- MUS = Muskingham
- NOB = Noble
- OTT = Ottawa
- PAU = Paulding
- PER = Perry
- PIC = Pickaway
- PIK = Pike
- POR = Portage
- PRE = Preble
- PUT = Putnam
- RIC = Richland
- ROS = Ross
- SAN = Sandusky
- SCI = Scioto
- SEN = Seneca
- SHE = Shelby
- STA = Stark
- SUM = Summit
- TRU = Trumbull
- TUS = Tuscarawas
- UNI = Union
- VAN = Van Wert
- VIN = Vinton
- WAR = Warren
- WAS = Washington
- WAY = Wayne
- WIL = Williams
- WOO = Wood
- WAY = Wyandot

County-Route Section

Variable Name: CRS

Definition: Country route section (e.g., MOE-260-8.775)

Field Type: Text

Curb

Variable Name: CURB

Definition: Curb located under or in front of barrier

Field Type: Coded:

Y = yes
N = no

Date of Installation

Variable Name: INSTALLATION_DATE

Definition: Date of installation (e.g., 8/3/2020 4:00:00 AM)

Field Type: Date

District

Variable Name: DISTRICT_NBR

Definition: Name of district

Field Type: Coded:

- 1 = District 1—Lima
- 2 = District 2—Bowling Green
- 3 = District 3—Ashland
- 4 = District 4—Akron
- 5 = District 5—Jacksontown

- 6 = District 6—Delaware
- 7 = District 7—Sidney
- 8 = District 8—Lebanon
- 9 = District 9—Chillicothe
- 10 = District 10—Marietta
- 11 = District 11—New Philadelphia
- 12 = District 12—Garfield Heights

Divided Indicator

Variable Name: DIVIDED_INDICATOR

Definition: Divided indicator

Field Type: Coded:

Y = yes
N = no

End Latitude

Variable Name: LATITUDE_DD_END

Definition: Ending latitude (e.g., 39.662673)

Field Type: Numeric

End Longitude

Variable Name: LONGITUDE_DD_END

Definition: Ending longitude (e.g., −81.248652)

Field Type: Numeric

End Milepost

Variable Name: ENDMP

Definition: Ending milepost (e.g., 8.783)

Field Type: Numeric

End Terminal

Variable Name: END_TERMINAL

Definition: Type of hardware bookending barrier at end (e.g., BTA 4)

Field Type: Text

Functional Class

Variable Name: FUNCTIONAL_CLASS

Definition: Definition of roadway classes for the FHWA-approved Functional Class system.[8] This variable is based on assignment of roads into systems according to the character of service they provide in relation to the total road network.

Field Type: Coded:

- 1 = interstate
- 2 = PA-freeway/expressway (principal arterial—other freeways and expressways)
- 3 = PA-other (principal arterial—other)
- 4 = minor arterial
- 5 = major collector
- 6 = minor collector
- 7 = local

Guardrail Radius

Variable Name: INTERSECT_RADIUS_DEG

Definition: Degree of radius of a guardrail at an intersection or drive (e.g., 150)

Field Type: Numeric

Intersection Radius

Variable Name: INTERSECTION_RADIUS

Definition: Presence of a radius guardrail element typically found at an intersection or drive

Field Type: Coded:

Y = yes
N = no

Inventory Comments

Variable Name: INVENTORY_COMMENTS

Definition: Comments about barrier inventory (e.g., three panels damaged)

Field Type: Text

Jurisdiction

Variable Name: JURISDICTION

Definition: Type of jurisdiction to which the section of the route belongs

Field Type: Coded:

- C = county
- F = Federal
- M = municipal
- P = private
- S = State
- T = township
- X = unknown

Number of Lanes

Variable Name: LANES_NBR

Definition: Number of lanes (e.g., 2)

Field Type: Numeric

Long Span

Variable Name: LONG_SPAN

Definition: Indicates if a long span (omitted post) within the barrier run is present

Field Type: Coded:

Y = yes
No = no

Material for Start of Terminal

Variable Name: START_TERMINAL

Definition: Type of hardware bookending barrier at start (e.g., type T)

Field Type: Text

Material Type of Barrier Posts

Variable Name: RUN_POST_TYPE

Definition: Material type of barrier posts (e.g., wood)

Field Type: Text

Middle Terminal

Variable Name: MIDDLE_TERMINAL

Definition: Whether a terminal between the start and end terminals is present

Field Type: Coded:

Y = yes
N = no

Mow Strip

Variable Name: MOWSTRIP

Definition: Indicates if a mow strip or pavement under the barrier within the barrier run (e.g., concrete) is present

Field Type: Text

Municipality to the Left of the Road

Variable Name: LEFT_MUNI_NAME

Definition: Municipality to the left of the road (e.g., Wilmington)

Field Type: Text

Municipality to the Right of the Road

Variable Name: RIGHT_MUNI_NAME

Definition: Municipality to the right of the road (e.g., Wilmington)

Field Type: Text

Nested Rail

Variable Name: NESTED_RAIL

Definition: Indicates if a nested rail within the barrier run is present

Field Type: Coded:

Y = yes
N = no

National Highway System Route Type

Variable Name: NHS_ROUTE

Definition: NHS route type[5]

Field Type: Coded:

- N = NHS (regular)
- H = congressional corridor
- S = STRAHNET[6]
- C = STRAHNET connector
- 2 = major airport
- 3 = major port facility
- 4 = major Amtrack station
- 5 = major rail/truck terminal
- 6 = major intercity bus terminal
- 7 = major public transit/multimodal passenger terminal
- 8 = major pipeline terminal
- 9 = major ferry terminal

Post Encasement

Variable Name: POST_ENCASEMENT

Definition: Post encased in concrete

Field Type: Coded:

Y = yes
N = no

Post Spacing

Variable Name: POST_SPACING

Definition: Type of spacing between barrier posts (e.g., normal)

Field Type: Text

Priority System

Variable Name: PRIORITY_SYSTEM

Definition: Priority system code for the highway section

Field Type: Coded:

- G = general
- P = priority system
- U = urban

Reflectors

Variable Name: REFLECTORS

Definition: Presence of reflectors on barrier run (e.g., partial)

Field Type: Text

Responsible for Maintenance

Variable Name: MAINTAIN_RESPONSIBLE

Definition: Indicates who is responsible for maintenance

Field Type: Coded:

- S = State
- C = county
- T = township
- M = municipality
- N = Ohio Department of Natural Resources
- O = other

Roadway Width

Variable Name: ROADWAY_WIDTH_NBR

Definition: Roadway width in feet (e.g., 24)

Field Type: Numeric

Rounded Buffer

Variable Name: ROUNDED_BUFFER

Definition: Rounded end at the end of the guardrail

Field Type: Coded:

Y = yes
N = no

Route ID

Variable Name: ROUTE_ID

Definition: Primary key field that allows ODOT's graphic roadway network geometric segments to be linked to business data attributes (e.g., SSTASR00043**C)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: Route number (e.g., 00260)

Field Type: Numeric

Route Suffix

Variable Name: ROUTE_SUFFIX

Definition: Route suffix of the roadway segment where the barrier is located

Field Type: Text:

- A = alternate
- B = bypass
- C = spur or connector
- D = directional alternate (first within county)
- E = eastbound
- F = directional alternate (second within county)
- G = directional alternate (third within county)
- I = interchange roadway
- J = waiting for final disposition (abandonment or transfer)
- K = turnpike
- N = northbound

- P = proposed (not built)
- S = southbound
- T = temporary route
- W = westbound

Route Type

Variable Name: ROUTE_TYPE

Definition: The route type associated with the route

Field Type: Coded:

- BK = bike route (trail)
- CN = connecting road
- CR = county road
- DD = U.S. Department of Defense road
- DR = driveway
- FR = forest road
- FW = U.S. Fish and Wildlife Service road
- IR = interstate
- MR = municipal street
- NA = NASA road
- NP = National Park Service road
- NR = natural resources road (park road)
- PL = parking lot
- RA = ramp
- RE = rest area entry/exit
- RR = railroad track
- SR = State route
- TR = Township road
- US = U.S. route
- WS = weigh station entry/exit
- XX = unknown

Surface Type

Variable Name: SURFACE_TYPE

Definition: Surface type of the segment where the barrier is located

Field Type: Coded:

- A = combination surface
- B = brick
- C = continuous reinforced
- D = reinforced concrete
- E = plain concrete
- G = bituminous concrete
- I = chip seal on granular
- K = open-graded bituminous
- L = chip seal or micro
- M = gravel
- U = unimproved
- X = right-of-way only

Surface Width (Feet)

Variable Name: SURFACE_WIDTH

Definition: Surface width in feet (e.g., 20)

Field Type: Numeric

Total AADT

Variable Name: AADT_TOTAL

Definition: Total AADT (e.g., 128)

Field Type: Numeric

Township to the Left of the Road

Variable Name: LEFT_TWP_NAME

Definition: Township to the left of the road (e.g., Bethel)

Field Type: Text

Township to the Right of the Road

Variable Name: RIGHT_TWP_NAME

Definition: Township to the right of the road (e.g., Bethel)

Field Type: Text

Type of Glare Screen

Variable Name: GLARE_SCREEN

Definition: Type of glare-reducing screen for incoming traffic (e.g., all)

Field Type: Text

Lighting File

Lighting File

Bridge Mount

Variable Name: BRIDGE_MOUNT

Definition: Indicator that light is mounted on a bridge

Field Type: Coded:

Y = yes
N = no

County

Variable Name: COUNTY

Definition: County in which the light is located (e.g., Franklin)

Field Type: Text

County-Route Section

Variable Name: CRS

Definition: Unique identifier of the light made up of the three-letter county code, the route number, and the milepost (e.g., LUC-75-4.069)

Field Type: Text

Latitude of Light

Variable Name: LATITUDE_DD_BEGIN

Definition: Latitude of the light pole (e.g., 39.935933)

Field Type: Numeric

Lighting Type

Variable Name: LIGHTING_TYPE

Definition: Type and location of lighting (e.g., conventional)

Field Type: Text

Longitude of Light

Variable Name: LONGITUDE_DD_BEGIN

Definition: Longitude of light pole (e.g., –82.790018)

Field Type: Numeric

Luminaire Type

Variable Name: LUMINAIRE_TYPE

Definition: The type of lighting illumination fixture (e.g., LED)

Field Type: Text

Responsible for Maintenance

Variable Name: MAINTAIN_RESPONSIBLE

Definition: The type of jurisdiction responsible for maintaining the light

Field Type: Coded:

- C = county
- M = municipality
- O = other
- P = private
- S = State
- T = township

Median Wall Mount

Variable Name: MEDIAN_WALL_MOUNT

Definition: Indicator that the light is mounted on a median wall

Field Type: Coded:

Y = yes
N = no

Milepost

Variable Name: MILEPOST

Definition: Milepost of the light; can be used to locate the light on the LRS (e.g., 4.069)

Field Type: Numeric

Route ID

Variable Name: ROUTE_ID

Definition: Primary key field that allows ODOT's graphic roadway network geometric segments to be linked to business data attributes (e.g., SLUCIR00075**C)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: Five-digit route number (e.g., 00075)

Field Type: Numeric

Status

Variable Name: STATUS

Definition: Status of the light: whether it is still active or has been retired

Field Type: Coded:

A = active
R = retired

Structure Mount

Variable Name: STRUCTURE_MOUNT

Definition: Indicator that the light is mounted on another type of structure

Field Type: Coded:

Y = yes
N = no

Unique ID

Variable Name: HL_FILE_NUM

Definition: Unique file number of the light (e.g., HL0000002)

Field Type: Text

Bicycle Route File

Bicycle Route File

Begin Milepost

Variable Name: BEGMP

Definition: County log beginning number (e.g., 3.8383)

Field Type: Numeric

Bike Route ID

Variable Name: BIKE_ROUTE_ID

Definition: Bike route ID number (e.g., USBR 30)

Field Type: Text

Bike Route Total Width (Feet)

Variable Name: F_WIDTH

Definition: Bike route total width in feet (e.g., 5)

Field Type: Numeric

Classification of Bike Route

Variable Name: FACILITY_TYPE

Definition: Type of bike route

Field Type: Coded:

- BBL = buffered bike lane
- BL = bike lane
- CRS = crossing
- PS = paved shoulder
- SBL = separated bike lane
- SL = shared lane
- SUP = shared use path

County

Variable Name: COUNTY

Definition: County (e.g., Lake)

Field Type: Text

County Code

Variable Name: COUNTY_CD

Definition: County code

Field Type: Coded:

- ADA = Adams
- ALL = Allen
- ASD = Ashland
- ATB = Ashtabula
- ATH = Athens
- AUG = Auglaize
- BEL = Belmont
- BRO = Brown
- BUT = Butler
- CAR = Carroll
- CHP = Champaign
- CLA = Clark
- CLE = Clermont
- CLI = Clinton
- COL = Columbiana
- COS = Coshocton
- CRA = Crawford
- CUY = Cuyahoga
- DAR = Darke
- DEF = Defiance
- DEL = Delaware
- ERI = Erie
- FAI = Fairfield
- FAY = Fayette
- FRA = Franklin
- FUL = Fulton
- GAL = Gallia
- GEA = Geauga
- GRE = Greene
- GUE = Guemsey
- HAM = Hamilton
- HAN = Hancock
- HAR = Hardin
- HAS = Harrison
- HEN = Henry
- HIG = Highland
- HOC = Hocking
- HOL = Holmes

- HUR = Huron
- JAC = Jackson
- JEF = Jefferson
- KNO = Knox
- LAK = Lake
- LAW = Lawrence
- LIC = Licking
- LOG = Logan
- LOR = Lorain
- LUC = Lucas
- MAD = Madison
- MAH = Mahoning
- MAR = Marion
- MED = Medina
- MEG = Meigs
- MER = Mercer
- MIA = Miami
- MOE = Monroe
- MOT = Montgomery
- MRG = Morgan
- MRW = Morrow
- MUS = Muskingham
- NOB = Noble
- OTT = Ottawa
- PAU = Paulding
- PER = Perry
- PIC = Pickaway
- PIK = Pike
- POR = Portage
- PRE = Preble
- PUT = Putnam
- RIC = Richland
- ROS = Ross
- SAN = Sandusky
- SCI = Scioto
- SEN = Seneca
- SHE = Shelby
- STA = Stark
- SUM = Summit
- TRU = Trumbull
- TUS = Tuscarawas
- UNI = Union
- VAN = Van Wert
- VIN = Vinton
- WAR = Warren
- WAS = Washington
- WAY = Wayne
- WIL = Williams
- WOO = Wood
- WAY = Wyandot

End Milepost

Variable Name: ENDMP

Definition: County log ending number (e.g., 4.1814)

Field Type: Numeric

Level of Traffic Stress

Variable Name: LTS

Definition: Level of traffic stress and measure of ease and safety of bikeway usage

Field Type: Coded:

- 4 = no bike lane on a busy street
- 3 = narrow bike lane or shoulder on a busy street
- 2 = buffered bike lane on a calm street
- 1 = separated bike lane

Route ID

Variable Name: ROUTE_ID

Definition: LRS link (e.g., SLAKSR00283**C)

Field Type: Text

Route Type

Variable Name: ROUTE_TYPE

Definition: Route type of the segment the bike route is on

Field Type: Text:

- AC = U.S. Army Corps of Engineers
- AR = U.S. Army roads
- BK = bike route (trail)
- CN = connecting road
- CR = county road
- DD = U.S. Department of Defense road
- DE = U.S. Department of Energy road
- FR = forest road
- FW = U.S. Fish and Wildlife Service road
- IR = interstate
- MR = municipal street
- NA = NASA road
- NP = National Park Service Road (Federal park road)
- NR = natural resources road (State park road)
- NV = U.S. Navy road
- RA = ramp
- RE = rest area entry/exit
- RR = railroad track
- SP = emergency vehicle turnaround (spur)
- SR = State route

- TR = Township road
- US = U.S. route
- WS = weigh station entry/exit

Name of Larger Trail Network

Variable Name: NAME2

Definition: Name of the larger trail network, where applicable (e.g., Cleveland Lakefront Bikeway)

Field Type: Text

ODOT District Number

Variable Name: DISTRICT_NBR

Definition: ODOT district number

Field Type: Coded:

- 1 = District 1—Lima
- 2 = District 2—Bowling Green
- 3 = District 3—Ashland
- 4 = District 4—Akron
- 5 = District 5—Jacksontown
- 6 = District 6—Delaware
- 7 = District 7—Sidney
- 8 = District 8—Lebanon
- 9 = District 9—Chillicothe
- 10 = District 10—Marietta
- 11 = District 11—New Philadelphia
- 12 = District 12—Garfield Heights

Organization Owning the Bike Route

Variable Name: FACILITY_OWNER

Definition: Organization owning the bike route (e.g., Eastlake)

Field Type: Text

Type of Bike Route

Variable Name: BIKE_ROUTE_TYPE

Definition: Type of bike route (State versus United States)

Field Type: Coded:

- SBR = State bike route
- USBR = U.S. bike route

Bike Route Owner

Variable Name: OWNER_TYPE

Definition: Type of organization owning the bike route (e.g., city)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: Route number of the segment the bike route is along (e.g., 00283)

Field Type: Numeric

Route Status

Variable Name: ROUTE_STATUS

Definition: Route status (e.g., active designation)

Field Type: Text

Trail Name

Variable Name: NAME

Definition: Most granular-level trail name (e.g., Whiskey Island Connector)

Field Type: Text

Crash File

Crash File

Access Control

Variable Name: ACCESS_CONTROL

Definition: Access control at the location of the crash

Field Type: Coded**:**

- 1 = full access control
- 2 = partial access control
- 3 = no access control

Contour of Roadway

Variable Name: ROAD_CONTOUR_CD

Definition: The contour of the road where the crash occurred

Field Type: Coded:

- 1 = straight level
- 2 = straight grade
- 3 = curve level
- 4 = curve grade
- 9 = other/unknown

County Code

Variable Name: COUNTY_CD

Definition: County where the crash occurred

Field Type: Coded:

- ADA = Adams
- ALL = Allen
- ASD = Ashland
- ATB = Ashtabula
- ATH = Athens
- AUG = Auglaize
- BEL = Belmont
- BRO = Brown
- BUT = Butler
- CAR = Carroll
- CHP = Champaign
- CLA = Clark

- CLE = Clermont
- CLI = Clinton
- COL = Columbiana
- COS = Coshocton
- CRA = Crawford
- CUY = Cuyahoga
- DAR = Darke
- DEF = Defiance
- DEL = Delaware
- ERI = Erie
- FAI = Fairfield
- FAY = Fayette
- FRA = Franklin
- FUL = Fulton
- GAL = Gallia
- GEA = Geauga
- GRE = Greene
- GUE = Guemsey
- HAM = Hamilton
- HAN = Hancock
- HAR = Hardin
- HAS = Harrison
- HEN = Henry
- HIG = Highland
- HOC = Hocking
- HOL = Holmes
- HUR = Huron
- JAC = Jackson
- JEF = Jefferson
- KNO = Knox
- LAK = Lake
- LAW = Lawrence
- LIC = Licking
- LOG = Logan
- LOR = Lorain
- LUC = Lucas
- MAD = Madison
- MAH = Mahoning
- MAR = Marion
- MED = Medina
- MEG = Meigs
- MER = Mercer
- MIA = Miami
- MOE = Monroe
- MOT = Montgomery
- MRG = Morgan
- MRW = Morrow
- MUS = Muskingham
- NOB = Noble
- OTT = Ottawa
- PAU = Paulding
- PER = Perry
- PIC = Pickaway
- PIK = Pike
- POR = Portage
- PRE = Preble
- PUT = Putnam
- RIC = Richland
- ROS = Ross
- SAN = Sandusky
- SCI = Scioto
- SEN = Seneca
- SHE = Shelby
- STA = Stark
- SUM = Summit
- TRU = Trumbull
- TUS = Tuscarawas
- UNI = Union
- VAN = Van Wert
- VIN = Vinton
- WAR = Warren
- WAS = Washington
- WAY = Wayne
- WIL = Williams
- WOO = Wood
- WAY = Wyandot

Crash Date

Variable Name: CRASH_DATE

Definition: Date and time when the accident occurred (e.g., 12/13/2019 6:14:00 AM)

Field Type: Date

Crash Severity

Variable Name: CRASH_SEVERITY_CD

Definition: The most severe injury in the crash

Field Type: Coded:

- 1 = fatal
- 2 = serious injury suspected
- 3 = minor injury suspected
- 4 = injury possible
- 5 = property damage only

Crash Year

Variable Name: CRASH_YR

Definition: Year accident occurred (e.g., 2019)

Field Type: Numeric

Day of Week

Variable Name: DAY_IN_WEEK_CD

Definition: Day of week when the crash occurred

Field Type: Coded:

- 1 = Sunday
- 2 = Monday
- 3 = Tuesday
- 4 = Wednesday
- 5 = Thursday
- 6 = Friday
- 7 = Saturday

Direction from Reference

Variable Name: ODOT_DIR_FROM_REF_CD

Definition: Direction from reference road or feature to where crash occurred

Field Type: Coded:

- E= east
- N = north
- S = south
- W = west

Distance Offset

Variable Name: ODOT_MILES_FROM_REF_NBR

Definition: Distance from reference road or feature to the crash location (e.g., 0.011)

Field Type: Numeric

District

Variable Name: DISTRICT_NBR

Definition: District where the crash occurred

Field Type: Coded:

- 1 = District 1—Lima
- 2 = District 2—Bowling Green
- 3 = District 3—Ashland
- 4 = District 4—Akron

- 5 = District 5—Jacksontown
- 6 = District 6—Delaware
- 7 = District 7—Sidney
- 8 = District 8—Lebanon
- 9 = District 9—Chillicothe
- 10 = District 10—Marietta
- 11 = District 11—New Philadelphia
- 12 = District 12—Garfield Heights

Divided/Undivided Road Identification

Variable Name: DIVIDED_HWY_IND

Definition: Design of the roadway where the crash occurred

Field Type: Coded:

Y = divided
N = not divided

Document Number

Variable Name: DOCUMENT_NBR

Definition: Unique identifier of the crash. This variable links to the Unit and Person files (e.g., 20193272697)

Field Type: Numeric

Freeway/Non-Freeway Indicator

Variable Name: FREEWAY_IND

Definition: Indicates whether a crash occurred on a freeway or non-freeway

Field Type: Coded:

Y = yes
N = no

Functional Classification

Variable Name: FUNCTIONAL_CLASS

Definition: Roadway functional classification where crash occurred

Field Type: Coded:

- 1 = interstate route
- 2 = other freeways or expressways
- 3 = other principal arterial roads
- 4 = minor arterial roads
- 5 = major collector roads
- 6 = minor collector roads
- 7 = local roads

Hour of Day

Variable Name: HOUR_OF_CRASH

Definition: Hour at which the crash occurred (e.g., 6)

Field Type: Numeric

Interstate Highway Indicator

Variable Name: INTERSTATE_IND

Definition: Indicates whether crash occurred on interstate

Field Type: Coded:

Y = yes
N = no

Inventory Route ID

Variable Name: INV_NLFID

Definition: Variable to link crashes to the inventory side of the LRS (e.g., CSHECR00018**C)

Field Type: Text

Jurisdiction

Variable Name: JURISDICTION

Definition: Indicates the primary agency responsible for the site

Field Type: Coded:

- C = county
- F = Federal
- M = municipal
- P = private
- S = State
- T = township

Light Condition

Variable Name: LIGHT_COND_PRIMARY_CD

Definition: The type/level of light that existed at the time of the crash

Field Type: Coded:

- 1 = daylight
- 2 = dawn/dusk
- 3 = dark—lighted roadway
- 4 = dark—roadway not lighted
- 5 = dark—unknown roadway lighting
- 9 = other/unknown

Local Report Number

Variable Name: LOCAL_REPORT_NUMBER_ID

Definition: Local report number of the crash (e.g., 19O22413)

Field Type: Text

Locality

Variable Name: ODOT_CITY_VILLAGE_TWP_CD

Definition: Type of locality the crash occurred in

Field Type: Coded:

- 1 = city
- 2 = village
- 3 = township

Milepost

Variable Name: MILEPOST

Definition: Reference point where the crash occurred on the inventory side of the road (e.g., 29.4)

Field Type: Numeric

National Highway System Indicator

Variable Name: NHS_CD

Definition: Whether this roadway section is part of the NHS[5]

Field Type: Coded:

- N = NHS (regular)
- H = congressional corridors
- S = STRAHNET[6]
- C = STRAHNET connectors
- 2 = major airport
- 3 = major port facility
- 4 = major Amtrak station
- 5 = major rail/truck terminal
- 6 = major intercity bus terminal

- 7 = Mj Pub Tran/Mul-Mdl Pas Ter (major public transportation or multimodal passenger terminal)
- 8 = major pipeline terminal
- 9 = major ferry terminal
- = not coded

Number of Lanes

Variable Name: LANES_NBR

Definition: Total number of lanes; total for both directions (e.g., 2)

Field Type: Numeric

Number of Pedestrians

Variable Name: NUM_PEDESTRIANS

Definition: Number of pedestrians involved in the crash (e.g., 1)

Field Type: Numeric

Number of Units

Variable Name: NUMBER_OF_UNITS_NBR

Definition: Number of vehicles involved in the crash (e.g., 3)

Field Type: Numeric

Pedestrians Injured

Variable Name: PED_TOTAL_INJURED_NBR

Definition: Number of pedestrians injured in the crash (e.g., 1)

Field Type: Numeric

Pedestrians Killed

Variable Name: PED_FATALITIES_NBR

Definition: Number of pedestrians killed in the crash (e.g., 1)

Field Type: Numeric

Road Condition

Variable Name: ROAD_COND_PRIMARY_CD

Definition: The condition of the road surface where the crash occurred

Field Type: Coded:

- 1 = dry
- 2 = wet
- 3 = snow
- 4 = ice
- 5 = sand, mud, dirt, oil, gravel
- 6 = water (standing, moving)
- 7 = slush
- 9 = other/unknown

Roadway Class*

Variable Name: RODWYCLS

Definition: This variable was developed by the HSIS Laboratory for the purposes of readily classifying roadway data. This variable combines the *Number of Lanes*, *Median Type*, and *Functional Class* variables, with U.S. Census urban places data (e.g., rural two-lane roads).(7)

Field Type: Text:

- Urban freeways
- Urban freeways less than four lanes
- Urban two-lane roads
- Urban multilane divided non-freeway
- Urban multilane undivided non-freeway

*Variable created or edited by HSIS Laboratory

- Rural freeways
- Rural freeways less than four lanes
- Rural two-lane roads
- Rural multilane divided non-freeway
- Rural multilane undivided non-freeway
- Others

Route ID

Variable Name: ROUTE_ID

Definition: Variable to link crashes to an LRS segment (e.g., CSHECR00018**C)

Field Type: Text

Route Number

Variable Name: ROUTE_NBR

Definition: The number of the route where the crash occurred (e.g., 00351)

Field Type: Text

Street At/Cross Route

Variable Name: CROSS_ROUTE_NLFID

Definition: Route ID of the crossing route or street where the crash occurred (e.g., TMIATR01134**C)

Field Type: Text

Street On

Variable Name: ODPS_LOC_ROAD_NME

Definition: Street or route name where the crash occurred (e.g., Mason Montgomery)

Field Type: Text

Total Fatalities

Variable Name: ODPS_TOTAL_FATALITIES_NBR

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

Field Type: Numeric

Total Non-Injuries

Variable Name: NO_INJURY_REPORTED_NBR

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

Field Type: Numeric

Total Possible Injuries

Variable Name: POSSIBLE_INJURIES_NBR

Definition: Total possible injuries (C level) in the crash (e.g., 0)

Field Type: Numeric

Total Suspected Minor Injuries

Variable Name: NON_INCAPAC_INJURIES_NBR

Definition: Total suspected minor injuries (B level) in the crash (e.g., 2)

Field Type: Numeric

Total Suspected Serious Injuries

Variable Name: INCAPAC_INJURIES_NBR

Definition: Total suspected serious injuries (A level) in the crash (e.g., 2)

Field Type: Numeric

Type of Crash (First Harmful Event)

Variable Name: U1_FIRST_HARMFUL_CD

Definition: First harmful event in the crash sequence

Field Type: Coded:

- 01 = overturn/rollover
- 02 = fire/explosion
- 03 = immersion
- 04 = jackknife
- 05 = cargo/equipment loss or shift
- 06 = equipment failure
- 07 = separation of units
- 08 = ran off road right
- 09 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel
- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle
- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle on transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo or anything set in motion by a motor vehicle
- 24 = other moveable object
- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median cable barrier
- 34 = median guardrail barrier

- 35 = median concrete barrier
- 36 = median other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole
- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree
- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall
- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Weather Condition

Variable Name: WEATHER_COND_CD

Definition: Weather conditions when the crash occurred

Field Type: Coded:

- 1 = clear
- 2 = cloudy
- 3 = fog, smog, or smoke
- 4 = rain
- 5 = sleet or hail
- 6 = snow
- 7 = severe crosswinds
- 8 = blowing sand, soil, dirt, or snow
- 9 = freezing rain or freezing drizzle
- 99 = other/unknown

Unit File

Unit File

Cargo Body Type

Variable Name: CARGO_BODY_TYPE_CD

Definition: The type of cargo body for this vehicle if it qualifies

Field Type: Coded:

- 1 = no cargo body type/not applicable
- 2 = bus
- 3 = vehicle towing another motor vehicle
- 4 = logging
- 5 = intermodal container chassis
- 6 = cargo van/enclosed box
- 7 = grain/chips/gravel
- 8 = pole
- 9 = cargo tank
- 10 = flat bed
- 11 = dump
- 12 = concrete mixer
- 13 = auto transporter
- 14 = garbage/refuse
- 99 = other/unknown

Contributing Factor of Vehicle

Variable Name: CONT_CIR_PRIMARY_CD

Definition: Vehicle-related factor contributing to the crash

Field Type: Coded:

- 1 = none
- 2 = failure to yield
- 3 = ran red light
- 4 = ran stop sign
- 5 = unsafe speed
- 6 = improper turn

- 7 = left of center
- 8 = followed too closely
- 9 = improper lane change
- 10 = improper passing
- 11 = drove off road
- 12 = improper backing
- 13 = improper start from a parked position
- 14 = stopped or parked illegally
- 15 = swerving to avoid
- 16 = wrong way
- 17 = vision obstruction
- 18 = operating defective equipment
- 19 = load shifting/falling/spilling
- 20 = improper crossing
- 21 = lying in roadway
- 22 = not discernible
- 23 = opening door into roadway
- 99 = other improper action

Crash Year

Variable Name: CRASH_YR

Definition: Year crash occurred

Field Type: Numeric

Document Number

Variable Name: DOCUMENT_NBR

Definition: Unique identifier of the crash. This variable links to the Crash and Person files (e.g., 20193272697)

Field Type: Numeric

First Harmful Event

Variable Name: FIRST_HARMFUL_SEQ_NBR

Definition: Matches the sequence of events as it occurs in the data

Field Type: Coded:

- 1 = SEQ_OF_EVENT_1_CD
- 2 = SEQ_OF_EVENT_2_CD
- 3 = SEQ_OF_EVENT_3_CD
- 4 = SEQ_OF_EVENT_4_CD

Hazardous Material Placard

Variable Name: HAZ_MAT_PLACARD_IND

Definition: Whether the vehicle had a hazardous material placard

Field Type: Coded:

N = no
Y = yes

Hazardous Material Released

Variable Name: HAZ_MAT_RELEASED_IND

Definition: Whether hazardous material was released from this vehicle when the crash occurred

Field Type: Coded:

N = no
Y = yes

In Emergency

Variable Name: IN_EMERGENCY_RESPONSE

Definition: Whether emergency response was required for the occupants of this vehicle

Field Type: Coded:

N = no
Y = yes

Make Of Vehicle

Variable Name: VEHICLE_MAKE

Definition: Make of this vehicle (e.g., Ford)

Field Type: Text

Model of Vehicle

Variable Name: VEHICLE_MODEL

Definition: Model of this motor vehicle (e.g., F-150)

Field Type: Text

Most Harmful Event

Variable Name: MOST_HARMFUL_CD

Definition: Most harmful event in the crash sequence for this vehicle

Field Type: Coded:

- 1 = overturn/rollover
- 2 = fire/explosion
- 3 = immersion
- 4 = jackknife
- 5 = cargo/equipment loss/shift
- 6 = equipment failure
- 7 = separation of units
- 8 = ran off road right
- 9 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel

- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle
- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle in transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo, or anything set in motion by a motor vehicle
- 24 = other movable object
- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median cable barrier
- 34 = median guardrail barrier
- 35 = median concrete barrier
- 36 = median other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole
- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree
- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall

- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Non-Motorist Location

Variable Name: NON_MOTORIST_LOC_CD

Definition: Location of the non-motorist before the crash

Field Type: Coded:

- 1 = intersection—marked crosswalk
- 2 = intersection—unmarked crosswalk
- 3 = intersection—other
- 4 = midblock—marked crosswalk
- 5 = travel lane—other location
- 6 = bicycle lane
- 7 = shoulder/roadside
- 8 = sidewalk
- 9 = median/crossing island
- 10 = driveway access
- 11 = shared used paths or trails
- 12 = first responder at incident scene
- 99 = other/unknown

Number of Occupants

Variable Name: NUMBER_OF_OCCUPANTS_NBR

Definition: Number of occupants in this vehicle

Field Type: Numeric

Precrash Actions

Variable Name: PRECRASH_ACTION_CD

Definition: Precrash action of the vehicle or non-motorist

Field Type: Coded:

- 1 = straight ahead
- 2 = backing
- 3 = changing lanes
- 4 = overtaking/passing
- 5 = making right turn
- 6 = making left turn
- 7 = making U-turn
- 8 = entering traffic lane
- 9 = leaving traffic lane
- 10 = parked
- 11 = slowing or stopped in traffic
- 12 = driverless
- 13 = negotiating a curve
- 14 = entering or crossing specified location
- 15 = walking, running, jogging, playing
- 16 = working
- 17 = pushing vehicle
- 18 = approaching or leaving vehicle
- 19 = standing
- 20 = other non-motorist
- 21 = standing outside disabled vehicle
- 99 = other/unknown

Point of Impact

Variable Name: IMPACT_AREA

Definition: Point of impact for this vehicle at the crash

Field Type: Coded:

- Motor vehicles
  - 0 = no damage
  - 1 = front right
  - 2 = middle-front right
  - 3 = middle right
  - 4 = middle-back right
  - 5 = rear right
  - 6 = rear center

  - 7 = rear left
  - 8 = middle-rear left
  - 9 = middle left
  - 10 = middle-front left
  - 11 = front left
  - 12 = front center
  - 13 = top
  - 14 = undercarriage
  - 15 = vehicle not at scene
  - 99 = unknown

- Non-motorists/non-motor vehicles:
  - 3 = right
  - 6 = back
  - 9 = left
  - 12 = front

Posted Speed Limit

Variable Name: POSTED_SPEED_NBR

Definition: Speed limit of the road traveled by the vehicle in miles per hour

Field Type: Numeric

Sequence of Events 1

Variable Name: SEQ_OF_EVENTS_1_CD

Definition: First event in the crash sequence of this vehicle

Field Type: Coded:

- 1 = overturn/rollover
- 2 = fire/explosion
- 3 = immersion
- 4 = jackknife
- 5 = cargo/equipment loss/shift
- 6 = equipment failure
- 7 = separation of units
- 8 = ran off road right

- 9 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel
- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle
- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle in transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo, or anything set in motion by a motor vehicle
- 24 = other movable object
- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median—cable barrier
- 34 = median—guardrail barrier
- 35 = median—concrete barrier
- 36 = median—other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole
- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree

- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall
- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Sequence of Events 2

Variable Name: SEQ_OF_EVENTS_2_CD

Definition: Second event in the crash sequence of this vehicle

Field Type: Coded:

- 1 = overturn/rollover
- 2 = fire/explosion
- 3 = immersion
- 4 = jackknife
- 5 = cargo/equipment loss/shift
- 6 = equipment failure
- 7 = separation of units
- 8 = ran off road right
- 9 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel
- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle
- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle in transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo, or anything set in motion by a motor vehicle
- 24 = other movable object

- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median—cable barrier
- 34 = median—guardrail barrier
- 35 = median—concrete barrier
- 36 = median—other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole
- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree
- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall
- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Sequence of Events 3

Variable Name: SEQ_OF_EVENTS_3_CD

Definition: Third event in the crash sequence of this vehicle

Field Type: Coded:

- 1 = overturn/rollover
- 2 = fire/explosion
- 3 = immersion
- 4 = jackknife
- 5 = cargo/equipment loss/shift
- 6 = equipment failure
- 7 = separation of units
- 8 = ran off road right
- 9 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel
- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle
- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle in transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo, or anything set in motion by a motor vehicle
- 24 = other movable object
- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median—cable barrier
- 34 = median—guardrail barrier
- 35 = median—concrete barrier
- 36 = median—other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole

- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree
- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall
- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Sequence of Events 4

Variable Name: SEQ_OF_EVENTS_4_CD

Definition: Fourth event in the crash sequence of this vehicle

Field Type: Coded:

- 1 = overturn/rollover
- 2 = fire/explosion
- 3 = immersion
- 4 = jackknife
- 5 = cargo/equipment loss/shift
- 6 = equipment failure
- 7 = separation of units
- 8 = ran off road right
- 9 = ran off road left
- 10 = cross median
- 11 = cross centerline—opposite direction of travel
- 12 = downhill runaway
- 13 = other non-collision
- 14 = pedestrian
- 15 = pedalcycle
- 16 = railway vehicle

- 17 = animal—farm
- 18 = animal—deer
- 19 = animal—other
- 20 = motor vehicle in transport
- 21 = parked motor vehicle
- 22 = work zone maintenance equipment
- 23 = struck by falling, shifting cargo, or anything set in motion by a motor vehicle
- 24 = other movable object
- 25 = impact attenuator/crash cushion
- 26 = bridge overhead structure
- 27 = bridge pier or abutment
- 28 = bridge parapet
- 29 = bridge rail
- 30 = guardrail face
- 31 = guardrail end
- 32 = portable barrier
- 33 = median—cable barrier
- 34 = median—guardrail barrier
- 35 = median—concrete barrier
- 36 = median—other barrier
- 37 = traffic signpost
- 38 = overhead signpost
- 39 = light/luminaries support
- 40 = utility pole
- 41 = other post, pole, or support
- 42 = culvert
- 43 = curb
- 44 = ditch
- 45 = embankment
- 46 = fence
- 47 = mailbox
- 48 = tree
- 49 = fire hydrant
- 50 = work zone maintenance equipment
- 51 = wall
- 52 = building
- 53 = tunnel
- 54 = other fixed object
- 99 = other/unknown

Speed Detected

Variable Name: SPEED_DETECTED

Definition: The method used for estimating vehicle travel speed

Field Type: Coded:

- 1 = stated/estimated speed
- 2 = calculated/EDR (event data recorder)
- 3 = undetermined

Striking/Struck

Variable Name: COLLISION_ACTION_CD

Definition: Action of the unit during the crash

Field Type: Coded:

- 1 = non-contact
- 2 = non-collision
- 3 = striking
- 4 = struck
- 5 = both striking and struck
- 9 = other/unknown

Traffic Control of Vehicle

Variable Name: TRAFFIC_CONTROL_CD

Definition: Traffic control devices for the roadway being traveled by this vehicle

Field Type: Coded:

- 1 = roundabout
- 2 = signal
- 3 = flasher
- 4 = stop sign
- 5 = yield sign
- 6 = no control

Truck/Bus Weight

Variable Name: WEIGHT_CLASS_GVWR

Definition: Weight class of the truck or bus

Field Type: Coded:

- 1 = less than or equal to 10,000 pounds
- 2 = 10,001 to 26,000 pounds
- 3 = greater than 26,000 pounds

Unit Number

Variable Name: UNIT_NBR

Definition: Unique identifier of the vehicle or non-motorist

Field Type: Numeric

Vehicle Damage Scale

Variable Name: DAMAGE_SCALE

Definition: The severity of the damage to this vehicle

Field Type: Coded:

- 1 = none
- 2 = minor damage
- 3 = functional damage
- 4 = disabling damage
- 9 = unknown

Vehicle Insured

Variable Name: ODPS_PROOF_OF_INSURANCE_SHOWN

Definition: Whether this vehicle was insured

Field Type: Coded:

Y = yes
N = no

Vehicle Model Year

Variable Name: VEHICLE_YEAR

Definition: Model year of this vehicle

Field Type: Numeric

Vehicle/Non-Motorist Direction From

Variable Name: ODPS_DIRECTION_FROM_CD

Definition: The direction from which the vehicle or non-motorist was traveling

Field Type: Coded:

- 1 = north
- 2 = south
- 3 = east
- 4 = west
- 5 = northeast (NE)
- 6 = northwest (NW)
- 7 = southeast (SE)
- 8 = southwest (SW)
- 9 = unknown

Vehicle/Non-Motorist Direction To

Variable Name: ODPS_DIRECTION_TO_CD

Definition: The direction to which this vehicle or non-motorist was traveling

Field Type: Coded:

- 1 = north
- 2 = south
- 3 = east
- 4 = west
- 5 = NE
- 6 = NW
- 7 = SE
- 8 = SW
- 9 = unknown

Vehicle Condition

Variable Name: VEHICLE_DEFECTS

Definition: Type of defects that the vehicle has, if any

Field Type: Coded:

- 1 = turn signals
- 2 = head lamps
- 3 = tail lamps
- 4 = brakes
- 5 = steering
- 6 = tire blowout
- 7 = worn or slick tires
- 8 = trailer equipment defective
- 9 = motor trouble
- 10 = disabled from prior accident
- 99 = other/unknown

Vehicle Type

Variable Name: TYPE_OF_UNIT_CD

Definition: Type of vehicle involved in the crash

Field Type: Coded:

- 1 = passenger car
- 2 = passenger van (minivan)
- 3 = sport utility vehicle
- 4 = pick up
- 5 = cargo van
- 6 = van (9–15 seats)
- 7 = motorcycle two-wheeled
- 8 = motorcycle three-wheeled
- 9 = autocycle
- 10 = moped or motorized bicycle
- 11 = all-terrain vehicle/utility task vehicle
- 12 = golf cart
- 13 = snowmobile
- 14 = single-unit truck
- 15 = semitractor
- 16 = farm equipment
- 17 = motor home
- 18 = limousine (livery vehicle)
- 19 = bus (16+ passengers)
- 20 = other vehicle
- 21 = heavy equipment
- 22 = animal with rider or animal-drawn vehicle
- 23 = pedestrian/skater
- 24 = wheelchair (any type)
- 25 = other non-motorist
- 26 = bicycle
- 27 = train
- 99 = unknown or hit/skip

Person File

Person File

Airbag Deployment

Variable Name: AIR_BAG_USAGE

Definition: Whether the airbag for this occupant deployed in the crash

Field Type: Coded:

- 1 = not deployed
- 2 = deployed—front
- 3 = deployed—side
- 4 = deployed—both front/side
- 5 = not applicable
- 6 = unknown

Alcohol Involved

Variable Name: ODPS_IS_ALCOHOL_SUSPECTED

Definition: Indicator that alcohol involvement is suspected in the crash

Field Type: Coded:

Y = yes
N = no

Alcohol Test Status

Variable Name: ALCOHOL_TEST_STATUS

Definition: Status of the chemical alcohol test for this driver

Field Type: Coded:

- 1 = none given
- 2 = test refused
- 3 = test given—contaminated sample/unusable
- 4 = test given—results known
- 5 = test given—results unknown

Alcohol Test Type

Variable Name: ALCOHOL_TEST_TYPE

Definition: Indicates specimen type for alcohol test performed

Field Type: Coded:

- 1 = none
- 2 = blood
- 3 = urine
- 4 = breath
- 5 = other

Citation Given

Variable Name: CITATION_GIVEN

Definition: Indicator that a citation was issued (e.g., yes)

Field Type: Text

Citation Local Code

Variable Name: CITATION_LOCAL_CODE_IND

Definition: Indicator that a local citation was issued

Field Type: Coded:

Y = yes
N = no

Document Number

Variable Name: DOCUMENT_NBR

Definition: Unique identifier of the crash. This variable links to the Unit and Crash files (e.g., 20195009827)

Field Type: Numeric

Driver License State

Variable Name: DRIVER_LICENCE_ISSUE_STATE

Definition: State of the driver's license for this driver (e.g., OH)

Field Type: Text

Drug Test Status

Variable Name: DRUG_TEST_STATUS

Definition: Drug test status for this driver

Field Type: Coded:

- 1 = none given
- 2 = test refused
- 3 = test given—contaminated sample/unusable
- 4 = test given—results known
- 5 = test given—results unknown

Drug Test Type

Variable Name: DRUG_TEST_TYPE

Definition: Drug test type used for this driver

Field Type: Coded:

- 1 = none
- 2 = blood
- 3 = urine
- 4 = other

Drug Test 1 Result

Variable Name: ODPS_DRUG_TEST_RESULT_1

Definition: Drug test results for the person

Field Type: Coded:

- 1 = amphetamines
- 2 = barbiturates
- 3 = benzodiazepines
- 4 = cannabinoids
- 5 = cocaine
- 6 = opiates/opioids
- 7 = other
- 8 = negative results

Drug Test 2 Result

Variable Name: ODPS_DRUG_TEST_RESULT_2

Definition: Drug test results for this occupant (e.g., 7)

Additional Information: Null indicates no data are available.

Field Type: Coded:

- 1 = amphetamines
- 2 = barbiturates
- 3 = benzodiazepines
- 4 = cannabinoids
- 5 = cocaine
- 6 = opiates/opioids
- 7 = other
- 8 = negative results

Ejected From Vehicle

Variable Name: EJECTION

Definition: Type of ejection for the person when the crash occurred

Field Type: Coded:

- 1 = not ejected
- 2 = partially ejected
- 3 = totally ejected
- 4 = not applicable

Helmet Use

Variable Name: MC_HELMET_USDOT_COMPLIANT

Definition: Whether the person used a helmet

Field Type: Coded:

Y = yes
N = no

Injured Transportation

Variable Name: INJURED_TAKEN_BY

Definition: Mode of transportation to a medical facility

Field Type: Coded:

- 1 = not transported/treated at scene
- 2 = emergency medical service
- 3 = police
- 9 = other/unknown

Occupant Age

Variable Name: AGE_NBR

Definition: Age of the person (e.g., 34)

Field Type: Numeric

Occupant Gender

Variable Name: GENDER_CD

Definition: Gender of the person

Field Type: Coded:

- F = female
- M = male
- U = unknown/other

Occupant Injury

Variable Name: INJURIES

Definition: Severity of injuries sustained in the crash by the vehicle occupant (e.g., 3)

Field Type: Coded:

- 1 = fatal
- 2 = suspected serious injury
- 3 = suspected minor injury
- 4 = possible injury
- 5 = no apparent injury

Occupant Type

Variable Name: TYPE_OF_PERSON

Definition: Person type

Field Type: Coded:

- D = driver
- O = occupant
- P = pedestrian

Motorist/Non-Motorist Physical Condition

Variable Name: CONDITION_CD

Definition: The physical or emotional condition of the motorist or non-motorist at the time of the crash

Field Type: Coded:

- 1 = apparently normal
- 2 = physical impairment
- 3 = emotional (e.g., depressed, angry, disturbed)
- 4 = illness
- 5 = fell asleep, fainted, fatigued, etc.
- 6 = under the influence of medications/drugs/alcohol
- 9 = other/unknown

Safety Equipment

Variable Name: SAFETY_EQUIPMENT_USED

Definition: Type of safety equipment used by the person

Field Type: Coded:

- 1 = non-used—vehicle occupant
- 2 = shoulder belt only
- 3 = lap belt only
- 4 = shoulder and lap belts
- 5 = child-restraint system—forward facing
- 6 = child-restraint system—rear facing
- 7 = booster seat
- 8 = helmet
- 9 = protective pads (elbow, knees, etc.)
- 10 = reflective clothing
- 11 = lighting—pedestrian/bicycle only
- 99 = other/unknown

Seating Position

Variable Name: SEATING_POSITION

Definition: Occupant or non-motorist position in the vehicle or outside the vehicle when the crash occurred

Field Type: Coded:

- 1 = front—left side (motorcycle driver)
- 2 = front—middle
- 3 = front—right side

- 4 = second—left (motorcycle passenger)
- 5 = second—middle
- 6 = second—right side
- 7 = third—left (motorcycle side car)
- 8 = third—middle
- 9 = third—right side
- 10 = sleeper section of truck cab
- 11 = passenger in other enclosed cargo area (non-trailing unit, bus, pick-up with cap)
- 12 = passenger in unenclosed cargo area
- 13 = trailing unit
- 14 = riding on vehicle exterior (non-trailing unit)
- 15 = non-motorist
- 99 = other/unknown

Trapped

Variable Name: TRAPPED

Definition: Whether this occupant was trapped in the vehicle as a result of the crash

Field Type: Coded:

- 1 = not trapped
- 2 = extricated by mechanical means
- 3 = freed by non-mechanical means

Unit Number

Variable Name: UNIT_NBR

Definition: Links the person to the Unit file by assigning the person to the appropriate unit

Field Type: Numeric

Appendix: History of Revisions

Appendix: History of Revisions

Table 3 shows HSIS variables and the years in which changes were made. The changes are described for the relevant variables.

Table 3. History of HSIS revisions

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	ACC_DATE	Accident date YYYYMMDD	Variable name changed to CRASH_DATE	2018
Accident/ Crash	ACCESS	Access control	Variable name changed to ACCESS_CONTROL	2018
Accident/ Crash	ACCTYPE	Type of crash (first harmful event)	Variable name changed to U1_FIRST_HARMFUL_CD Code changed (categories changed and added)	2018 2018
Accident/ Crash	ACCYR	Accident year	Variable name changed to CRASH_YR	2018
Accident/ Crash	AGENCY	Investigating agency	Variable discontinued	2018
Accident/ Crash	ANGLE	Turn crash indicator	Variable discontinued	2018
Accident/ Crash	ANIMAL	Animal type	Variable name changed to ODPS_ANIMAL_REL_CD	2018
Accident/ Crash	CASENO	Unique accident case number	Variable name changed to DOCUMENT_NBR and DOCUMENT NUMBER	2018
Accident/ Crash	CNTYRTE	County route	Variable name changed to ROUTE_ID	2018
Accident/ Crash	COUNTY	County	Variable name changed to COUNTY_CD Code changed from letter abbreviations to numerical	2018 2018
Accident/ Crash	DIR_REF	Direction from reference	Variable name changed to ODOT_DIR_FROM_REF_CD	2018
Accident/ Crash	DIST_OFF	Distance offset	Variable name changed to ODOT_MILES_FROM_REF_ NBR	2018
Accident/ Crash	DISTRICT	District	Variable name changed to DISTRICT_NBR	2018
Accident/ Crash	DIV_CODE	Road identification	Variable name changed to ODOT_DIV_UNDIV_IND	2018
Accident/ Crash	FAULT	Violator	Variable discontinued	2018
Accident/ Crash	FIPSMUNI	Federal Information Processing Standards code	Variable name changed to ODOT_FIPS_CD	2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	FLIP_IND	Duplicate record generation	Variable discontinued	2018
Accident/ Crash	FRWY_IND	Freeway/non-freeway indicator	Variable added Variable name changed to FREEWAY_IND	2000 2018
Accident/ Crash	FUNCLS	Functional classification	Variable name changed to FUNCTIONAL_CLASS	2018
Accident/ Crash	HOUR	Hour of day	Variable name changed to HOUR_OF_CRASH Code changed from categorical to numeric	2018 2018
Accident/ Crash	INTER_IND	Interstate highway indicator	Variable added Variable name changed to INTERSTATE_IND	2000 2018
Accident/ Crash	JUR_TYPE	Jurisdiction	Variable name changed to JURISDICTION Code changed	2018 2018
Accident/ Crash	LIGHT	Light condition	Variable name changed to LIGHT_COND_PRIMARY_CD Code changed	2018 2018
Accident/ Crash	LOC_CASE	Local report number	Variable name changed to LOCAL_REPORT_NUMBER _ID	2018
Accident/ Crash	LOC_TYPE	Location	Variable discontinued	2018
Accident/ Crash	MILEPOST	Milepost	Variable name changed to ODPS_MILEPOST_ REFERENCE	2018
Accident/ Crash	MUNICODE	Municipality code	Variable discontinued	2018
Accident/ Crash	MVMT	Million vehicle miles of travel	Variable discontinued	2018
Accident/ Crash	NHS	National Highway System indicator	Variable name changed to NHS_CD	2018
Accident/ Crash	NO_LANES	Number of lanes	Variable name changed to LANES_NBR Code changed from categorical to numeric	2018 2018
Accident/ Crash	NUMPEDS	Number of pedestrians	Variable name changed to NUM_PEDESTRIANS	2018
Accident/ Crash	NUMVEHS	Number of vehicles	Variable name changed to NUMBER_OF_UNITS_NBR	2018
Accident/ Crash	PEDS_INJ	Pedestrians injured	Variable added Variable name changed to PED_TOTAL_INJURED_NBR	2006 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	PEDS_KILLED	Pedestrians killed	Variable discontinued Variable re-added with variable name of PEDS_KILL Variable name changed to PED_FATALITIES_NBR	2000 2006 2018
Accident/ Crash	POP_GRP	Population	Variable discontinued	2018
Accident/ Crash	PUBDMG	Public property damage	Variable discontinued	2018
Accident/ Crash	RAMP	Ramp code	Variable discontinued	2018
Accident/ Crash	REL_RD	Relation to roadway	Variable discontinued	2018
Accident/ Crash	RD_CHAR1	Contour of roadway	Variable name changed to ROAD_CONTOUR_CD Code changed	2018 2018
Accident/ Crash	RDSURF	Road condition	Variable name changed to ROAD_COND_PRIMARY_CD Code changed	2018 2018
Accident/ Crash	RODWYCLS	Road type	Variable discontinued	2018
Accident/ Crash	RTE_NBR	Route number	Variable name changed to ROUTE_NBR	2018
Accident/ Crash	SAFTJUR	Original jurisdiction coded by highway safety	Variable added Variable discontinued	2006 2018
Accident/ Crash	SCH_WZON	Special area code	Variable discontinued	2018
Accident/ Crash	SEVERITY	Crash severity (generated)	Variable name changed to CRASH_SEVERITY_CD	2018
Accident/ Crash	SEVERITY_OH	Crash severity (original)	Variable added Variable discontinued	2000 2018
Accident/ Crash	STATE_EQ	Station equation sort field	Variable discontinued	2018
Accident/ Crash	STREET_1	Street on	Variable name changed to ODPS_LOC_ROAD_NME	2018
Accident/ Crash	STREET_2	Street at/cross route	Variable name changed to CROSS_ROUTE_NLFID	2018
Accident/ Crash	TOT_KILL	Type 1 total killed	Variable name changed to ODPS_TOTAL_FATALITIES_NBR Code changed from categorical to numeric	2018 2018
Accident/ Crash	TOT_NON	Type 5 no indicated injury	Variable name changed to NO_INJURY_REPORTED_NBR Code changed from categorical to numeric	2018 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Accident/ Crash	TOT_UNK	Type 0 no indicated injury	Variable discontinued	2018
Accident/ Crash	TOTAINJ	Type 2 serious visible injury	Variable name changed to INCAPAC_INJURIES_NBR Code changed from categorical to numeric	2018 2018
Accident/ Crash	TOTBINJ	Type 3 minor visible injury	Variable name changed to NON_INCAPAC_INJURIES_ NBR Code changed from categorical to numeric	2018 2018
Accident/ Crash	TOTCINJ	Type 4 no visible injury	Variable name changed to POSSIBLE_INJURIES_NBR Code changed from categorical to numeric	2018 2018
Accident/ Crash	TWNSHIP	Township abbreviation/locality	Variable name changed to ODOT_CITY_VILLAGE_TWP_ CD	2018
Accident/ Crash	TYPED_DB	Type of reference	Variable discontinued	2018
Accident/ Crash	WEATHER	Weather condition	Variable name changed to WEATHER_COND_CD Code changed	2018 2018
Accident/ Crash	WEEKDAY	Day of week	Variable name changed to DAY_IN_WEEK_CD Code changed (unknown and not coded categories discontinued)	2018 2018
Vehicle/Unit	ACCYR	Accident year	Variable added Variable name changed to CRASH_YR	2000 2018
Vehicle/Unit	BODY	Body type	Variable discontinued	2000
Vehicle/Unit	CASENO	Unique accident case number	Variable name changed to DOCUMENT_NBR and DOCUMENT NUMBER	2018
Vehicle/Unit	CDL_CLASS	Truck/bus commercial driver's license class	Variable added Variable discontinued	2000 2018
Vehicle/Unit	CONTRIB1	Contributing factor of vehicle	Variable name changed to CONT_CIR_PRIMARY_CD	2018
Vehicle/Unit	DAMAGE	Vehicle damage severity	Variable name changed to IMPACT_AREA	2018
Vehicle/Unit	DAMSEV	Vehicle damage scale	Variable name changed to DAMAGE_SCALE	2018
Vehicle/Unit	DAMSEV2	Vehicle damage scale	Variable discontinued	2000
Vehicle/Unit	DIR_TRVL	Direction of vehicle	Variable discontinued	2000
Vehicle/Unit	DL_CLASS	Dl class	Variable discontinued	2000
Vehicle/Unit	DL_STATE	Driver license State	Variable discontinued	2018
Vehicle/Unit	DLCOUNTY	County	Variable discontinued	2000

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/Unit	DRV_AGE	Driver age	Code changed from categorical to numeric	2018
Vehicle/Unit	DRV_FLAG	Drive presence	Variable discontinued	2000
Vehicle/Unit	DRV_INJ	Driver injury	Code changed	2018
Vehicle/Unit	DRV_REST	Driver safety equipment	Variable added	2000
Vehicle/Unit	DRV_SEX	Driver sex	N/A	—
Vehicle/Unit	EMER_USE	In emergency response	Variable added Variable name changed to IN_EMERGENCY_RESPONSE	2000 2018
Vehicle/Unit	EVENT1	Sequence of events 1	Variable added Variable name changed to SEQ_OF_EVENTS_1_CD	2000 2018
Vehicle/Unit	EVENT2	Sequence of events 2	Variable added Variable name changed to SEQ_OF_EVENTS_2_CD	2000 2018
Vehicle/Unit	EVENT3	Sequence of events 3	Variable added Variable name changed to SEQ_OF_EVENTS_3_CD	2000 2018
Vehicle/Unit	EVENT4	Sequence of events 4	Variable added Variable name changed to SEQ_OF_EVENTS_4_CD	2000 2018
Vehicle/Unit	F_HARM	First harmful event	Variable added Variable name changed to FIRST_HARMFUL_SEQ_NBR	2000 2018
Vehicle/Unit	FIRE	Fire	Variable discontinued	2000
Vehicle/Unit	GVWR	Truck/bus weight	Variable added Variable name changed to WEIGHT_CLASS_GVWR	2000 2018
Vehicle/Unit	HAZMATRL	Hazardous material released	Variable added Variable name changed to HAZ_MAT_RELEASED_IND	2000 2018
Vehicle/Unit	HAZPLACD	Hazardous material placard	Variable added Variable name changed to HAZ_MAT_PLACARD_IND	2000 2018
Vehicle/Unit	INSURFLG	Vehicle insured	Variable name changed to ODPS_PROOF_OF_INSURANCE_SHOWN	2018
Vehicle/Unit	MAKE	Make of vehicle	Variable name changed to VEHICLE_MAKE	2018
Vehicle/Unit	MISCACT1	Precrash actions	Variable name changed to PRECRASH_ACTION_CD	2018
Vehicle/Unit	MODEL	Model of vehicle	Variable not present Variable name changed to VEHICLE_MODEL	2000, 2001 2018
Vehicle/Unit	MOSTHARM	Most harmful event	Variable added Variable name changed to MOST_HARMFUL_CD	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/Unit	MOVMNT	Movement of vehicle	Variable discontinued	2000
Vehicle/Unit	NUM_OCCS	Number of occupants	Variable added Variable name changed to NUMBER_OF_OCCUPANTS_NBR	2000 2018
Vehicle/Unit	NUMVEH	Number of vehicles	Variable discontinued	2000
Vehicle/Unit	OBJECT1	Object struck by vehicle	Variable discontinued	2000
Vehicle/Unit	ODT_ATFAULT	ODOT at fault flag	Variable added Variable discontinued	2000 2018
Vehicle/Unit	ODT_PERSON_CNT	ODOT people found count	Variable added Variable discontinued	2000 2018
Vehicle/Unit	OWNERID	Vehicle ownership	Variable discontinued	2000
Vehicle/Unit	PED_LOC	Non-motorist location prior to impact	Variable added Variable name changed to NON_MOTORIST_LOC_CD	2000 2018
Vehicle/Unit	POC1	Point of impact	Variable added Variable name changed to IMPACT_AREA	2000 2018
Vehicle/Unit	PUB_PROP	Public property damage	Variable discontinued	2000
Vehicle/Unit	SPD_LIMT	Speed limit of road	Variable added Variable name changed to POSTED_SPEED_NBR Code changed from categorical to numeric	1998 2018 2018
Vehicle/Unit	STRIKING	Striking/struck	Variable added Variable name changed to COLLISION_ACTION_CD	2000 2018
Vehicle/Unit	TOWED	Towed flag	Variable added Variable name changed to TOWED_FLAG	2000 2018
Vehicle/Unit	TRF_CNTL	Traffic control of vehicle	Code changed (categories 20 and 21 only apply to pre-2000 data) Variable name changed to TRAFFIC_CONTROL_CD Code changed	2000 2018 2018
Vehicle/Unit	TRK_BODY	Cargo body type	Variable added Variable name changed to CARGO_BODY_TYPE_CD Code changed	2000 2018 2018
Vehicle/Unit	TRK_LOAD	Type of truck load	Variable discontinued	2000
Vehicle/Unit	TRKAXLES	Number of truck axles	Variable discontinued	2000
Vehicle/Unit	TRVL_SPD	Speed detected	Variable added Variable name changed to SPEED_DETECTED	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Vehicle/Unit	UNDEROVR	Vehicle underride/override	Variable added Variable discontinued	2000 2018
Vehicle/Unit	VEH_DISP	Vehicle disposition	Variable discontinued	2000
Vehicle/Unit	VEH_N_FROM	Vehicle/non-motorist direction from	Variable added Variable name changed to ODPS_DIRECTION_FROM_CD	2000 2018
Vehicle/Unit	VEH_N_TO	Vehicle/non-motorist direction to	Variable added Variable name changed to ODPS_DIRECTION_TO_CD	2000 2018
Vehicle/Unit	VEH_SPEED_POST_2000	Direction from speed of vehicle	Variable added Variable discontinued	2000 2018
Vehicle/Unit	VEH_SPEED_PRE_2000	Estimated speed of vehicle	Variable discontinued	2000
Vehicle/Unit	VEHCOND1	Primary condition 1	Variable name changed to VEHICLE_DEFECTS	2018
Vehicle/ Unit	VEHCOND2	Primary condition 2	Variable discontinued	2000
Vehicle/Unit	VEHNO	Vehicle number	Variable name changed to ODPS_UNIT_NBR	2018
Vehicle/Unit	VEHSTATE	Vehicle State	Variable discontinued	2018
Vehicle/Unit	VEHTYPE	Vehicle type	Variable name changed to TYPE_OF_UNIT_CD Code changed	2018 2018
Vehicle/Unit	VEHYR	Vehicle model year	Variable name changed to VEHICLE_YEAR	2018
Vehicle/Unit	VIN	Vehicle identification number	Variable not present Variable discontinued	2000–2003 2018
Occupant/ Person	AGE	Occupant age	Variable name changed to AGE_NBR Code changed from categorical to numeric	2018 2018
Occupant/ Person	AIRBAG	Airbag	Variable added Variable name changed to AIR_BAG_USAGE	2000 2018
Occupant/ Person	AIRBAG_SAW	Airbag switch	Variable added Variable name changed to AIRBAG_SW Variable name changed back to AIRBAG_SAW Variable discontinued	2000 2007 2008 2018
Occupant/ Person	ALCOHOL_TEST_STATUS	Alcohol test status	Variable added Code changed (categories discontinued)	2000 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Occupant/ Person	ALSTTYP	Alcohol test type	Variable added Variable name changed to ALTSTTYP Variable name changed back to ALSTTYP Variable name changed to ALCOHOL_TEST_TYPE	2000 2007 2008 2018
Occupant/ Person	BAC	Blood alcohol content in percent	Variable discontinued	2018
Occupant/ Person	CASENO	Unique accident case number	Variable name changed to DOCUMENT_NBR and DOCUMENT NUMBER	2018
Occupant/ Person	CIT_LOC_CDE	Citation local code	Variable added Variable name changed to CITATION_LOCAL_CODE_ IND	2000 2018
Occupant/ Person	CITATION	Citation given	Variable name changed to CITATION_GIVEN'	2018
Occupant/ Person	DL_CLASS	Dl class	Variable discontinued	2000
Occupant/ Person	DL_STATE	Driver license State	Variable name changed to DRIVER_LICENCE_ISSUE_ST ATE	2018
Occupant/ Person	DLCOUNTY	Dl county	Variable discontinued	2000
Occupant/ Person	DRG_RES1	Drug test 1 result	Variable added Variable name changed to ODPS_DRUG_TEST_RESULT _1 Code changed from categorical to string	2000 2018 2018
Occupant/ Person	DRG_RES2	Drug test 2 result	Variable added Variable name changed to ODPS_DRUG_TEST_RESULT _2 Code changed from categorical to string	2000 2018 2018
Occupant/ Person	DRUG_INV	Drugs involved	Variable discontinued	2000
Occupant/ Person	DRUG_TEST_ STATUS	Drugs test status	Variable added	1999
Occupant/ Person	DRUG_TEST_TYPE	Drug test type	Variable added	2000
Occupant/ Person	EJECT	Ejected from vehicle	Variable name changed to EJECTION Code changed (categories discontinued and codes changed)	2018 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Occupant/ Person	HELMET	Helmet use	Variable discontinued Variable re-added with variable name of MC_HELMET_USDOT_ COMPLIANT	2000 2018
Occupant/ Person	INJ	Occupant injury	Variable name changed to INJURIES	2018
Occupant/ Person	P_TYPE	Occupant type	Variable name changed to TYPE_OF_PERSON	2018
Occupant/ Person	PHYSCOND	Pedestrian physical condition	Variable name changed to CONDITION_CD	2018
Occupant/ Person	REST1	Safety equipment	Code changed (categories 15-17 discontinued) Variable name changed to SAFETY_EQUIPMENT_USED Code changed	2000 2018 2018
Occupant/ Person	SEATPOS	Seating position	Variable name changed to SEATING_POSITION Code changed (categories discontinued)	2018 2018
Occupant/ Person	SEX	Occupant gender	Variable name changed to GENDER_CD	2018
Occupant/ Person	SOB_TST	Alcohol involved	Variable name changed to ODPS_IS_ALCOHOL_ SUSPECTED Code changed	2018 2018
Occupant/ Person	TAKEN_BY	Injured taken by	Variable added Variable name changed to INJURED_TAKEN_BY Code changed (other and unknown combined into one category)	2000 2018 2018
Occupant/ Person	TRAPPED	Trapped	Variable added Code changed (unknown category discontinued)	2000 2018
Occupant/ Person	VEHNO	Vehicle number	Variable name changed to ODPS_UNIT_NBR	2018
Roadway	AADT	Weighted average total average daily traffic	Variable name changed to ADT_TOTAL_NBR Code changed from categorical to numeric	2018 2018
Roadway	AADT_BC	Average daily traffic for type B and C trucks	Variable name changed to ADT_TRUCK_NBR Code changed from categorical to numeric	2018 2018
Roadway	AADT_PT	Average daily traffic for passenger cars and A-type trucks	Variable name changed to ADT_PSNGR_CAR_NBR Code changed from categorical to numeric	2018 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Roadway	AADT_YR	Year of average daily traffic counts	Variable name changed to YEAR_ADT Variable name changed to ADT_YEAR_NBR	2016 2018
Roadway	ACCESS	Access control	Variable name changed to ACCESS_CONTROL Code changed (categories discontinued)	2018 2018
Roadway	AREA_CDE	Area code	Variable name changed to AREA_CODE_NBR	2018
Roadway	CNT_TLOG	County true log	Variable discontinued	2018
Roadway	CNTY_RTE	County route	Variable name changed to ROUTE_ID	2018
Roadway	COUNTY	County	N/A	—
Roadway	DISTRICT	District	Variable name changed to DISTRICT_NBR	2018
Roadway	DIVIDED	Road identification	Variable name changed to DIVIDED_HWY_IND Code changed	2018 2018
Roadway	ENDMP	End milepost	Variable name changed to CTL_END_NBR	2018
Roadway	FED_ACES	Federal access control	Variable discontinued	2016
Roadway	FED_FACI	FHWA type of facility	Variable name changed to FACILITY_TYPE_CD Code changed (categories added and changed)	2018 2018
Roadway	FED_MEDW	FHWA median width	Variable name changed to MEDIAN_WIDTH_NBR	2018
Roadway	FED_SPSY	FHWA special systems	Variable discontinued	2018
Roadway	FIPS_CDE	Federal Information Processing Standards code	Variable split into MUNI_FIPS_CODE_LEFT and MUNI_FIPS_CODE_RIGHT	2018
Roadway	FUNC_CLS	Functional class	Variable name changed to FUNCTION_CLASS_CD	2018
Roadway	HOV	FHWA high-occupancy vehicles	Variable discontinued	2018
Roadway	HPMS	Highway Performance Monitoring System codes	Variable discontinued	2018
Roadway	ID_CNTRL	ID control code	Variable discontinued	2018
Roadway	INV_DTE	Inventory date	Variable discontinued	2018
Roadway	JUR_TYPE	Jurisdiction	Variable name changed to JURISDICTION_CD Code changed (categories added)	2018 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Roadway	LRS_BGPT	Linear Referencing System beginning milepost	Variable name changed to LRS_BEG_END_LOGPNT Variable discontinued	2016 2018
Roadway	LRS_BNDE	Linear Referencing System B node	Variable discontinued	2018
Roadway	LRS_EDPT	Linear Referencing System ending mile point	Variable name changed to LRS_END_LOGPNT Variable discontinued	2016 2018
Roadway	LRS_ENDE	Linear Referencing System end node	Variable discontinued	2018
Roadway	LRS_ID	Linear Referencing System inventory route number (10 character)	Variable name changed to LRS_ID_HPMS Variable discontinued	2016 2018
Roadway	LRS_INRT	Linear Referencing System inventory route number	Variable not present Variable name changed to NLF_ID	2016, 2017 2018
Roadway	LRS_NDCN	Linear Referencing System node code (county/State)	Variable name changed to LRS_NODE_CODE Variable discontinued	2016 2018
Roadway	LRS_NDNM	Linear Referencing System node name	Variable name changed to LRS_NODENAME Variable discontinued	2016 2018
Roadway	LRS_NDSQ	Linear Referencing System node sequence number	Variable name changed to LRS_NODE_SEQNBR Variable discontinued	2016 2018
Roadway	LRS_NRDE	Linear Referencing System node route designation	Variable discontinued	2016
Roadway	LRS_SBRT	Linear Referencing System subroute number	Variable discontinued	2018
Roadway	MED_TYPE	FHWA median type	Code changed (category 8 Positive Barrier—unspecified discontinued) Variable name changed to MEDIAN_TYPE_CD	2012 2018
Roadway	MED_WID	Median width	Variable discontinued	2018
Roadway	MI_CLASS	Mile class (incorporated/ unincorporated)	Variable name changed to MILEAGE_CLASS	2018
Roadway	MUN_NAM	Municipality name	Variable discontinued	2018
Roadway	MVMT	Million vehicle miles of travel	Variable discontinued	2018
Roadway	NHS_CDE	National Highway System code	Variable name changed to NHS_CD	2018
Roadway	NHS_INTR	National Highway System intermodal number	Variable discontinued	2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Roadway	NO_LANES	Number of lanes	Variable name changed to LANES_NBR	2018
Roadway	PAS_NHS	Principal arterial system/National Highway System intersection marker	Variable discontinued	2018
Roadway	PAV_ROUG	Pavement roughness	Variable discontinued	2018
Roadway	PAVECOND	Pavement condition	Variable name changed to PAV_COND Variable discontinued	2016 2018
Roadway	PK_LANES	Peak load lanes	Variable discontinued	2018
Roadway	POP_GRP	Population	Variable discontinued	2018
Roadway	RD_WIDTH	Roadway width through lanes n/medians (without medians)	Variable name changed to ROADWAY_WIDTH Code changed from categorical to numeric	2018 2018
Roadway	RODWYCLS	Roadway types	N/A	—
Roadway	RTE_NBR	State route number	Variable not present Variable name changed to ROUTE_NBR	2016, 2017 2018
Roadway	RTE_SUFX	State route number suffix	Variable discontinued	2018
Roadway	RTE_TYPE	Route type	Variable name changed to ROUTE_TYPE Code changed (many categories added and abbreviations changed)	2018 2018
Roadway	RURUID	Population (over/under 5,000)	Variable discontinued	2018
Roadway	SCENIC	Scenic byways	Variable name changed to SCENIC_BYWAY Variable name changed to SCENIC_BYWAY_CD	2016 2018
Roadway	SEG_LNG	Segment length	Variable name changed to SEGMENT_LENGTH_NBR	2018
Roadway	SEQ_NBR	Sequence number	Variable added Variable discontinued	2005 2018
Roadway	SHWD_LEFT_ INSIDE	Shoulder left inside	Variable name changed to SHOULDER_PVD_WIDTH_ IN_LT Code changed from categorical to numeric	2018 2018
Roadway	SHWD_LEFT_ OUTSIDE	Shoulder left outside	Variable name changed to SHOULDER_PVD_WIDTH_ OUT_LT Code changed from categorical to numeric	2018 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Roadway	SHWD_RIGHT_ INSIDE	Shoulder right inside	Variable name changed to SHOULDER_PVD_WIDTH_ IN_RT Code changed from categorical to numeric	2018 2018
Roadway	SHWD_RIGHT _OUTSIDE	Shoulder right outside	Variable name changed to SHOULDER_PVD_WIDTH_ OUT_RT Code changed from categorical to numeric	2018 2018
Roadway	SPDLIMT	Speed limit	Variable name changed to POSTED_SPEED_NBR Code changed from categorical to numeric	2018 2018
Roadway	SRF_BAS	Standard base classification	Variable discontinued	2018
Roadway	SRF_BASL	Left side surface base type	Variable name changed to BASE_TYPE_LEFT_CD Code changed (categories discontinued)	2018 2018
Roadway	SRF_BASR	Right side surface base class type	Variable name changed to BASE_TYPE_RIGHT_CD Code changed (categories discontinued)	2018 2018
Roadway	SRF_TYPF	Summary of FHWA surface type	Variable discontinued	2018
Roadway	SRF_TYPL	Left side standard surface type	Variable name changed to SURFACE_TYPE_LEFT_CD Code changed (category discontinued and category added)	2018 2018
Roadway	SRF_TYPR	Right side surface class type	Variable name changed to SURFACE_TYPE_RIGHT_CD Code changed (category discontinued and category added)	2018 2018
Roadway	SRFTYPLL	Left side FHWA surface type	Variable discontinued	2018
Roadway	SRFTYPLR	FHWA right side surface type	Variable discontinued	2018
Roadway	STAT_EQ	Station equation sort filed	Variable discontinued	2018
Roadway	STN_SUF	Street name suffix	Variable discontinued	2018
Roadway	STR_PFX	Street name directional prefix	Variable name changed to STRTN_DIRPRFX Variable name changed to STREET_PREFIX_DIR_CD	2016 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Roadway	STRT_DIR	Street name directional suffix	Variable name changed to STRTN_DIRSUFX Variable name changed to STREET_DIR_SUFFIX_CD	2016 2018
Roadway	STRT_NAM	Street name	Variable name changed to STREET_NAME	2018
Roadway	SURF_TYP	Standard surface classification	Variable discontinued	2018
Roadway	SURF_WID	Surface width through lanes n/shoulders (without medians)	Variable discontinued	2018
Roadway	SURFWIDL	Left side surface width in feet	Variable name changed to SURFACE_WIDTH_LEFT Code changed from categorical to numeric	2018 2018
Roadway	SURFWIDR	Right side surface width in feet	Variable name changed to SURFACE_WIDTH_RIGHT Code changed from categorical to numeric	2018 2018
Roadway	SYS_CLAS	System class	Variable name changed to SYS_CLASS Variable discontinued	2016 2018
Roadway	UPDT_YR	Update year	Variable discontinued	2016
Point	CHNG_YR	Record change year	Variable discontinued	2018
Point	CNTY_RTE	County route	Variable name changed to ROUTE_ID	2018
Point	CNTYLOG	County true log	Variable discontinued	2018
Point	COUNTY	County	Variable discontinued	2018
Point	DESC	Location description	Variable discontinued	2018
Point	DISTRICT	District	Variable discontinued	2018
Point	LOG_SUFX	Log point suffix	Variable discontinued	2018
Point	MILEPOST	Log point	Variable discontinued	2018
Point	MUNI_CDE	Municipal code	Variable discontinued	2018
Point	OVRLDIR	Overlap log direction	Variable discontinued	2018
Point	REC_TYPE	Record type	Variable discontinued	2018
Point	RTE_DIR	Route direction	Variable discontinued	2018
Point	RTE_NBR	State route number	Variable discontinued	2018
Point	RTE_PREF	State route prefix	Variable discontinued	2018
Point	RTE_SUFX	State route suffix	Variable discontinued	2018
Point	SEQ_NBR	Sequence number	Variable discontinued	2018
Point	SPECDESC	Special description	Variable discontinued	2018
Point	STAT_EQ	State equation sort	Variable discontinued	2018
Point	STRT_SUF	Street suffix	Variable discontinued	2018
Point	TRUE_LOG	State route true log	Variable discontinued	2018
Point	XCNTYRTE	Cross-road county route	Variable discontinued	2018
Point	XLOG_SUF	Cross-route log suffix	Variable discontinued	2018
Point	XMILEPST	Cross-route milepost	Variable discontinued	2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Point	XRTE_NBR	Cross-route number	Variable discontinued	2018
Point	XRTE_SUF	Cross-route suffix	Variable discontinued	2018
Point	XRTEPREF	Cross-route prefix	Variable discontinued	2018
Horizontal Curve	ACCESS	Access control	N/A	—
Horizontal Curve	AREACODE	Area code	N/A	—
Horizontal Curve	CNTY_RTE	County route	Variable name changed to ROUTE_ID	2018
Horizontal Curve	COUNTY	County	N/A	—
Horizontal Curve	CURVE_TYPE	Curve type	Variable added	2018
Horizontal Curve	CURVE_RADIUS	Curve radius	Variable added	2018
Horizontal Curve	DEG_CURV	Degree of curve	Variable name changed to DEGREE_OF_CURVE	2018
Horizontal Curve	DESC	Description	Variable discontinued	2018
Horizontal Curve	DIR_CURV	Direction of curve	Variable name changed to SIGN	2018
Horizontal Curve	DISTRICT	District	Variable name changed to DISTRICT_NBR	2018
Horizontal Curve	DIVIDED	Divided highway indicator	Variable discontinued	2018
Horizontal Curve	FUNC_CLS	Functional class	Variable discontinued	2018
Horizontal Curve	INV_DATE	Year of coding change	N/A	—
Horizontal Curve	MILE_CLS	Mile class	Variable discontinued	2018
Horizontal Curve	ROUTE_ID	Network Linear Feature Identifier	Variable added	2018
Horizontal Curve	NO_LANES	Number of lanes	Variable discontinued	2018
Horizontal Curve	RTE_NBR	State route number	Variable name changed to ROUTE_NBR	2018
Horizontal Curve	RTE_SUFX	State route suffix	Variable discontinued	2018
Horizontal Curve	SEG_LNG	Segment length	Variable name changed to CURVE_LENGTH	2018
Horizontal Curve	SEQ_NBR	Sequence number	Variable discontinued	2018
Horizontal Curve	STAT_EQU	Station equation sort field	Variable discontinued	2018
Horizontal Curve	SYS_CLAS	System class	Variable discontinued	2018
Grade	ACCESS	Access control	Variable discontinued	2018
Grade	AREACODE	Area code	Variable discontinued	2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Grade	BEGMP	Begin log point of curve	Variable discontinued	2018
Grade	CNTY_RTE	County route	Variable discontinued	2018
Grade	COUNTY	County	Variable discontinued	2018
Grade	DESC	Description	Variable discontinued	2018
Grade	DIR_GRAD	Direction of grade	Variable discontinued	2018
Grade	DISTRICT	District	Variable discontinued	2018
Grade	DIVIDED	Divided highway indicator	Variable discontinued	2018
Grade	ENDMP	End log point of curve	Variable discontinued	2018
Grade	FUNC_CLS	Functional class	Variable discontinued	2018
Grade	INV_DATE	Year of coding change	Variable discontinued	2018
Grade	MILE_CLS	Mile class	Variable discontinued	2018
Grade	NO_LANES	Number of lanes	Variable discontinued	2018
Grade	PCT_GRAD	Percentage of grade	Variable discontinued	2018
Grade	RTE_NBR	State route number	Variable discontinued	2018
Grade	RTE_SUFX	State route suffix	Variable discontinued	2018
Grade	SEG_LNG	Segment length	Variable discontinued	2018
Grade	SEQ_NBR	Sequence number	Variable discontinued	2018
Grade	STAT_EQU	Station equation sort field	Variable discontinued	2018
Grade	SYS_CLAS	System class	Variable discontinued	2018
Angle Point	ACCESS	Access control	N/A	—
Angle Point	AREACODE	Area code	N/A	—
Angle Point	BEGMP	Begin log point of curve	N/A	—
Angle Point	CNTY_RTE	County route	N/A	—
Angle Point	COUNTY	County	N/A	—
Angle Point	DEG_CURV	Degree of curve	N/A	—
Angle Point	DESC	Description	N/A	—
Angle Point	DIR_CURV	Direction of curve	N/A	—
Angle Point	DISTRICT	District	N/A	—
Angle Point	DIVIDED	Divided highway indicator	N/A	—
Angle Point	ENDMP	End log point of curve	N/A	—
Angle Point	FUNC_CLS	Functional class	N/A	—
Angle Point	INV_DATE	Year of coding change	N/A	—
Angle Point	MILE_CLS	Mile class	N/A	—
Angle Point	NO_LANES	Number of lanes	N/A	—
Angle Point	RTE_NBR	State route number	N/A	—
Angle Point	RTE_SUFX	State route suffix	N/A	—
Angle Point	SEG_LNG	Segment length	N/A	—
Angle Point	SEQ_NBR	Sequence number	N/A	—
Angle Point	STAT_EQU	Station equation sort field	N/A	—
Angle Point	SYS_CLAS	System class	N/A	—
Intersection	AGENCYID	Intersection ID	Variable added	2014 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
			Variable name changed to INTERSECTION_ID	
Intersection	AGENCYSITESUBTYPE	Site subtype	Variable added Variable discontinued	2014 2018
Intersection	ALTROUTENAMES	Coinciding route name major road	Variable added Variable discontinued	2014 2018
Intersection	AREATYPE	Area type	Variable added Variable discontinued	2014 2018
Intersection	CITY	Federal Information Processing Standards code	Variable added Variable discontinued	2014 2018
Intersection	COMMENT	Comment	Variable added Variable discontinued	2014 2018
Intersection	CORRIDOR	Corridor (future variable)	Variable added Variable discontinued	2014 2018
Intersection	COUNTY	County	Variable added Variable discontinued	2014 2018
Intersection	DISTRICT	Maintenance district	Variable added Variable discontinued	2014 2018
Intersection	GISID	Geographic information systems ID	Variable added Variable discontinued	2014 2018
Intersection	GROWTHFACTOR	Annual average daily traffic growth factor	Variable added Variable discontinued	2014 2018
Intersection	INTERSECTIONTYPE1	Intersection type	Variable added Variable discontinued	2014 2018
Intersection	JURISDICTION	Jurisdiction	Variable added Variable discontinued	2014 2018
Intersection	MAJBEGININFLUENCEZONE	Influence zone begin major road	Variable added Variable discontinued	2014 2015
Intersection	MAJENDINFLUENCEZONE	Influence zone end major road	Variable added Variable discontinued	2014 2014
Intersection	MAJOR_AADT_11	Major road annual average daily traffic	Variable added Variable discontinued	2014 2015
Intersection	MAJORROADDIRECTION	Direction major road	Variable added Variable discontinued	2014 2018
Intersection	MAJORROADLOCSYSTEM	Location system major road	Variable added Variable discontinued	2014 2018
Intersection	MAJORROADNAME	Name major road	Variable added Variable discontinued	2014 2018
Intersection	MAJORROADOFFSET	Milepost major road	Variable added Variable discontinued	2014 2018
Intersection	MAJORROADSECTION	Section major road	Variable added Variable discontinued	2014 2015
Intersection	MINBEGININFLUENCEZONE	Influence zone begin minor road	Variable added Variable discontinued	2014 2018
Intersection	MINENDINFLUENCEZONE	Influence zone end minor road	Variable added Variable discontinued	2014 2018

File	Variable Name	Variable Description	Description of Change	Year of Change
Intersection	MINOR_AADT_11	Minor road annual average daily traffic	Variable added Variable discontinued	2014 2018
Intersection	MINORROADLOC SYSTEM	Location system minor road	Variable added Variable discontinued	2014 2018
Intersection	MINORROAD NAME	Name minor road	Variable added Variable discontinued	2014 2018
Intersection	MINORROADOFF SET	Milepost minor road	Variable added Variable discontinued	2014 2015
Intersection	MINORROAD ROUTENAME	Route number minor road	Variable added Variable discontinued	2014 2018
Intersection	MINORROAD ROUTETYPE	Route type minor road	Variable added Variable discontinued	2014 2015
Intersection	MINORROAD SECTION	Section minor road	Variable added Variable discontinued	2014 2018
Intersection	OFFSETDISTANCE	Minor road offset distance	Variable added Variable discontinued	2014 2015
Intersection	OFFSETINTER SECTION	Minor road offset flag	Variable added Variable discontinued	2014 2018
Intersection	OPENEDTO TRAFFIC	Date opened to traffic	Variable added Variable discontinued	2014 2018
Intersection	ROUTENAME	Route number major road	Variable added Variable discontinued	2014 2015
Intersection	ROUTETYPE	Route type major road	Variable added Variable discontinued	2014 2018
Intersection	TRAFFICCONTROL1	Traffic control type	Variable added Variable discontinued	2014 2018

—No data
N/A = not applicable

References

References

1. FHWA. n.d. "Highway Safety Information System" (website). https://highways.dot.gov/research/safety/hsis, last accessed March 19, 2024.

2. FHWA. n.d. "HSIS Laboratory" (web page). https://highways.dot.gov/research/safety/hsis/laboratory, last accessed May 25, 2023.

3. SAS Institute, Inc. 2013. *SAS* (software). Version 9.4.

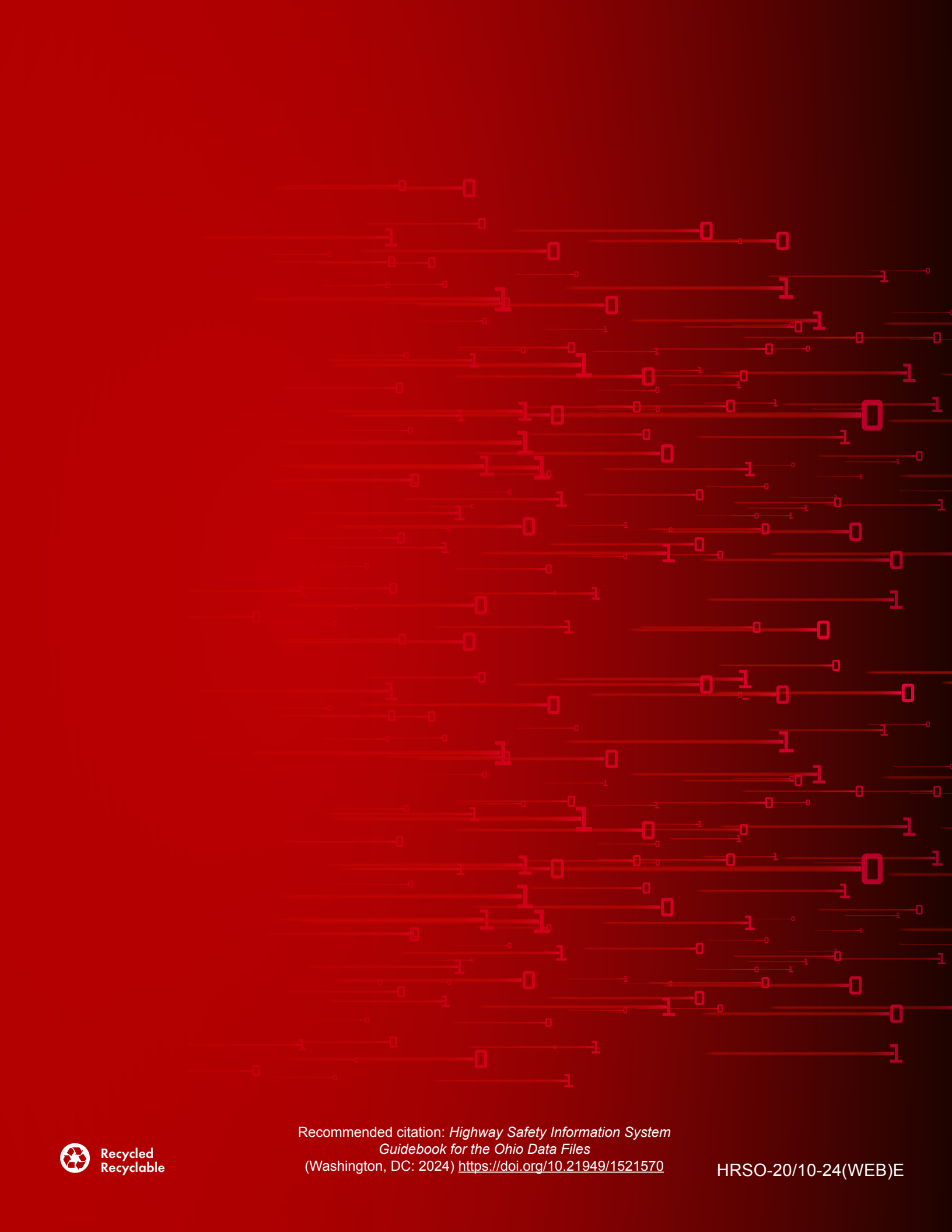
4. U.S. Census Bureau. 2023. "American National Standards Institute (ANSI), Federal Information Processing Series (FIPS), and Other Standardized Geographic Codes" (web page). https://www.census.gov/library/reference/code-lists/ansi.html, last accessed April 3, 2024.

5. FHWA. 2017. "National Highway System" (web page). https://www.fhwa.dot.gov/planning/national_highway_system/, last accessed January 5, 2024.

6. FHWA. 2014. "Chapter 18. Strategic Highway Network (STRAHNET)" (web page). https://www.fhwa.dot.gov/policy/2004cpr/chap18.cfm, last accessed January 4, 2024.

7. U.S. Census Bureau. 2023. "Urban and Rural" (web page). https://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural.html, last accessed April 3, 2024.

8. FHWA. 2023. *Highway Functional Classification Concepts, Criteria and Procedures 2023 Edition*. Washington, DC: FHWA. https://www.fhwa.dot.gov/planning/processes/statewide/related/hwy-functional-classification-2023.pdf, last accessed April 10, 2024.



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