LRS: MilePoint Route Network, Continuous Capture – NC Department of Transportation

SDE Geodatabase Feature Class



Tags

Linear Referencing System, Routes, Route Network, Measure, Measurement System, Line, North Carolina, NCDOT, Transportation, Highway, Roads, Centerline, State Highway Network, Inventory, Transportation Planning, Location

Summary

This feature class represents NCDOT's Linear Reference System (LRS) Network of routes. Routes are the representation of roads in North Carolina. The MilePoint feature class is a collection of routes with a common system of measurement. Measures represent a location along a route based on distance from the route's origin. The measure is captured in miles. The precision is to the 6th decimal in the tabular column. Measure precision on the shape is to the 7th decimal. A route feature class differs from a standard line feature class in that, along with x- and y-coordinates, it also stores an m-coordinate (x,y,m). These measurement values can be used to locate events, assets, and conditions along its set of routes. The LRS MilePoint route network is comprised of Interstate, US, NC, Secondary Roads, Ramps, and non-state maintained and projected roads required for federal reporting purposes.

MilePoint's source geometry originates in a separate feature class known as Centerline. Further, the routes are calibrated based on another separate feature class known as CalibrationPoint. This geometry, along with route definitions are stored in the MilePoint route network feature class. MilePoint contains the route features used in NCDOT's LRS. The routes are used to locate events.

MilePoint includes route attributes Route Class, Route Qualifier, Inventory, Route Number, Route Name, and County name. The MilePoint ID attribute is an 11-digit composite route number (RouteID field in NCDOT Route Characteristics), the identifier for the Dominant Route. It uniquely identifies routes statewide and should be used as the route identifier when performing LRS analysis using route/milepost referencing. The network is time aware, utilizing the FromDate and ToDate fields. As the route geometry is edited, records are retired using these FromDate and ToDate fields. When any aspect of a route is changed, its record in the MilePoint table is assigned a ToDate, indicating its retirement, and a corresponding new record is created with a FromDate populated, matching the ToDate of the retired record.

Description

NCDOT adopted the road centerline based LRS Network as it's official Enterprise LRS, to which multiple road inventory attributes are referenced along measured routes throughout North Carolina. These routes are classified as either System or Non-System routes. System routes are routes within the state-maintained road network, and are comprised of Interstates, US Routes, NC Routes, Secondary Routes, Ramps, and Non-System Routes. Non-System routes are routes that are typically not maintained by NCDOT, but instead by a local agency (county, city or MPO/RPO). The local agency is the source for updating these Non-System routes in NCDOT's LRS.

An LRS is a system for storing geographic locations along linear elements using relative locations. Location is given in terms of a known linear feature and a position, or measure, along it based on a distance from a known point of origin. The road centerline feature class is the geometry source from which NCDOT's routes are created in the LRS. The collection of routes, System and Non-System, is the NCDOT LRS Network referred to as **MilePoint**. For NCDOT, **MilePoint** provides the linear measures in miles, from the origin of each route. Events

are stored on or along routes. Events describe an attribute of a route and have a location along the route (measured by the distance, in miles for NCDOT's LRS, from the start of the route).

The GIS Unit of the North Carolina Department of Information Technology-Transportation (NCDIT-T) has been tasked with developing and maintaining NCDOT's Linear Referencing System. The GIS Unit employs the use of GIS spatial layers to reference LRS data to real world locations. The integration of LRS to spatial layers provides a means to analyze data using GIS methods, facilitates the creation of cartographic products, and allows the enforcement of business rules. The unit is authorized to edit the LRS to match official documentation. This also includes the capture of attributes (event data) that are referenced to the linework. The NCDOT road centerline is a spatial representation of official documentation of what roads or sections of roads are physically maintained by the State. Changes to the spatial representation of the road centerline for NCDOT are authorized by the NC Board of Transportation or other business units within NCDOT.

The GIS Unit at NCDIT-T modifies the LRS Network routes in MilePoint by creating, editing, or retiring based on official change notification from various NCDOT sources. The NCDOT Enterprise LRS Editing System utilizes the Esri Location Referencing Extension. More information about the Location Referencing Location Package is available here:

- https://desktop.arcgis.com/en/quick-start-guides/latest/arcgis-location-referencing-quick-startguide.htm
- https://www.esri.com/arcgis-blog/products/arcgis-pro/transportation/how-to-choose-between-linearreferencing-and-location-referencing

Once the routes have been edited, business units may update their event data as found on the routes based on the same or additional documentation. Business units edit the LRS events using Esri's ArcGIS Event Editor, a map-centric web app that supports linear referenced event data editing via feature services. Some events are also maintained by the GIS Unit at NCDIT-T. More information about Event Editor is available here: https://enterprise.arcgis.com/en/roads-highways/latest/event-editor/what-is-event-editor.htm.

Credits

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

This data should be used for planning, maintenance, and decision-making support purposes only. It should be used only by those who fully understand the extents, limitations, and content of the data. This data should not be used for routing. The data should not be used in place of field survey or data collection efforts that are normally performed by licensed professionals and it should not replace any data collection efforts that are typically required as a part of detailed design and construction efforts.

Extent

West -84.421752 East -75.418246 North 36.617735 South 33.733300 Scale Range

 Maximum (zoomed in)
 1:5,000

 Minimum (zoomed out)
 1:50,000

ArcGIS Metadata 🕨

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE location, society, structure, transportation

CONTENT TYPE Geographic Services EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION NO

PLACE KEYWORDS North Carolina

 THESAURUS
 TITLE

 TITLE
 User

 CREATION DATE
 2016-10-13
 00:00:00

 PUBLICATION DATE
 2016-10-13
 00:00:00

Hide Thesaurus 🔺

THEME KEYWORDS Linear Referencing System, Routes, Route Network, Measure, Measurement System, Line, North Carolina, NCDOT, Transportation, Highway, Roads, Centerline, State Highway Network, Inventory, Transportation Planning, Location

THESAURUS TITLE User CREATION DATE 2016-10-13 00:00:00 PUBLICATION DATE 2016-10-13 00:00:00

Hide Thesaurus 🔺

Hide Topics and Keywords

Citation **>**

* TITLE LRSN_MilePoint ALTERNATE TITLES LRSN_MilePoint CREATION DATE 2016-10-13 00:00:00 PUBLICATION DATE 2016-10-13 00:00:00

PRESENTATION FORMATS * digital map FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

Hide Citation 🔺

Citation Contacts

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE originator

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions, or comments regarding the LRS. If it is an immediate need, please indicate as such in the subject line in an email.

Hide Contact information

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE resource provider

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Resource Details ►

DATASET LANGUAGES * English (UNITED STATES) DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS **on-going** SPATIAL REPRESENTATION TYPE *** vector**

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.8.1.14362

CREDITS

The North Carolina Department of Transportation, Division of Highways.

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Hide Resource Details

Extents ►

EXTENT

- VERTICAL EXTENT
 - * MINIMUM VALUE -59.600000
 - * MAXIMUM VALUE 6577.400000

EXTENT

- GEOGRAPHIC EXTENT
 - BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -84.421752
- * EAST LONGITUDE -75.418246
- * NORTH LATITUDE 36.617735
- * SOUTH LATITUDE 33.733300
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE 406947.229168
- * EAST LONGITUDE 3051823.000288
- * SOUTH LATITUDE 35982.805072
- * NORTH LATITUDE 1043799.812368
- * EXTENT CONTAINS THE RESOURCE Yes

Hide Extents

Resource Points of Contact ►

POINT OF CONTACT ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE point of contact

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov HOURS OF SERVICE

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Hide Contact information

Hide Resource Points of Contact A

Resource Maintenance Note: Note:

RESOURCE MAINTENANCE UPDATE FREQUENCY continual

SCOPE OF THE UPDATES dataset

OTHER MAINTENANCE REQUIREMENTS

The North Carolina Department of Transportation, Division of Highways.

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MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE point of contact

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov

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Hide Contact information **A**

Hide Resource Maintenance

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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LEGAL CONSTRAINTS

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SECURITY CONSTRAINTS

CLASSIFICATION UNCLASSIFIED CLASSIFICATION SYSTEM None

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Hide Resource Constraints

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM WELL-KNOWN IDENTIFIER 102719 X ORIGIN -121841900 Y ORIGIN -93659000 XY SCALE 1893.93939393938 Z ORIGIN -100000 Z SCALE 9.999999999999982 M ORIGIN -100000 M SCALE 10000000 XY TOLERANCE 0.00528 Z TOLERANCE 0.20000000000004 M TOLERANCE 9.999999999999956-07 REFERENCE SYSTEM IDENTIFIER

- * VALUE 2264
- * CODESPACE EPSG
- * VERSION 6.12(9.0.0)

Hide Spatial Reference

Spatial Data Properties

VECTOR ► * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME LRSN_MilePoint

- * OBJECT TYPE composite
- * OBJECT COUNT 403620

Hide Vector

ARCGIS FEATURE CLASS PROPERTIES FEATURE CLASS NAME LRSN_MIlePoint

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polyline
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 403620
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING TRUE

Hide ArcGIS Feature Class Properties

Hide Spatial Data Properties

Data Quality 🕨

SCOPE OF QUALITY INFORMATION RESOURCE LEVEL dataset

Hide Scope of quality information

DATA QUALITY REPORT - COMPLETENESS COMMISSION MEASURE DESCRIPTION Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party. **CONFORMANCE TEST RESULTS** TEST PASSED Yes **RESULT EXPLANATION** Pass PRODUCT SPECIFICATION TITLE NCDOT Geospatial Data Specifications CREATION DATE 2016-10-13 00:00:00 Hide Product specification Hide Data quality report - Completeness commission DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY MEASURE DESCRIPTION Contributing editors are responsible for the quality control and assessment of data at the time of data entry. Additional resources may be utilized by the data owner/editor groups to assess quality of data on a more comprehensive scale. The primary tool in use for quality assessment in the NCDOT LRS Editing System is Esri's Data Reviewer extension. The quality of this data is subject to the oversight of the editing party. **CONFORMANCE TEST RESULTS** TEST PASSED Yes **RESULT EXPLANATION** Pass. PRODUCT SPECIFICATION TITLE NCDOT Geospatial Data Specifications CREATION DATE 2016-10-13 00:00:00 PUBLICATION DATE 2016-10-13 00:00:00 Hide Product specification Hide Data quality report - Conceptual consistency

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY MEASURE DESCRIPTION

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```
CONFORMANCE TEST RESULTS
TEST PASSED Yes
RESULT EXPLANATION
Pass.
```

PRODUCT SPECIFICATION TITLE NCDOT Geospatial Data Specifications CREATION DATE 2016-10-13 00:00:00 PUBLICATION DATE 2016-10-13 00:00:00

Hide Product specification **A**

Hide Data quality report - Quantitative attribute accuracy

Hide Data Quality 🔺

Lineage 🕨

LINEAGE STATEMENT

This dataset was originally developed by the North Carolina Department of Transportation, in conjunction with the GIS Unit at NCDIT-T, to provide a geographic representation of the measured route network in North Carolina. The GIS Unit modifies the LRS Network routes by creating, editing, or retiring based on official change notification from various NCDOT sources. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation. The LRS supports systems, web applications, and geospatial data needs across NCDOT business units, as well as submittal to the Federal Highway Administration's Highway Performance Monitoring System (HPMS).

PROCESS STEP

DESCRIPTION

Development and maintenance of NCDOT's Linear Referencing System. This includes the road centerline, route network, some events, and other related spatial data.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE originator

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov

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Hide Contact information **A**

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2016-10-13 00:00:00 DESCRIPTION

Routes are created, edited, and/or retired based on official change notification from various NCDOT sources. Road attribute-only information is also provided to the GIS Unit. Once the routes have been edited, business units may update their data as found on the routes based on the same or additional documentation.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE resource provider

CONTACT INFORMATION

Address Type physical Delivery point 4101 Capital Boulevard City Raleigh Administrative area NC Postal code 27604 Country US E-MAIL Address gishelp@ncdot.gov

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Hide Contact information **A**

Hide Process step ▲

Hide Lineage



DISTRIBUTOR CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE distributor

CONTACT INFORMATION

Address Type physical Delivery point 4101 Capital Boulevard City Raleigh Administrative area NC Postal code 27604 Country US E-MAIL Address gishelp@ncdot.gov

Hours of service 9:00am - 5:00pm Monday – Friday

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Hide Contact information **A**

Hide Distributor

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DISTRIBUTION FORMAT
```

NAME FSDE Geodatabase Feature Class VERSION 10.8.1

Hide Distribution 🔺

Fields **>**

DETAILS FOR OBJECT LRSN_MilePoint ► TYPE SDE Geodatabase Feature Class * Row COUNT 403620 DEFINITION MilePoint

DEFINITION SOURCE North Carolina Department of Transportation

FIELD OBJECTID ►

- * ALIAS OBJECTID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION Internal feature number.
- * DESCRIPTION SOURCE Esri
- * DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD Shape ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION Feature geometry.
- * DESCRIPTION SOURCE Esri
- * DESCRIPTION OF VALUES Coordinates defining the features.

Hide Field Shape

FIELD FromDate

- * ALIAS FromDate
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

The date that the portion of centerline becomes an active part of the route.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Dates vary.

Hide Field FromDate

FIELD TODate ► * ALIAS TODAte * DATA TYPE Date * WIDTH 8 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION The date that the portion of centerline becomes a retired part of the route.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Dates vary.

Hide Field ToDate

FIELD RouteClass ►

- * ALIAS RouteClass
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

The NCDOT route class type for Dominant Route. Route Class drives the 1st digit of the Route ID. See https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf.

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Interstate DESCRIPTION Interstate Highway Route class, state-maintained. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE US Route DESCRIPTION US Highway Route class, state-maintained. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NC Route DESCRIPTION NC Highway Route class, state-maintained. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Secondary Route DESCRIPTION Secondary Route class, state-maintained. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Non-System DESCRIPTION A route not in the state-maintained highway system. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Other State Agency Route DESCRIPTION Federal-aid roads maintained by other state agencies. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Federal Route DESCRIPTION Federal-aid roads maintained by federal agencies. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Ramps, Rest Areas, Non-Mainline DESCRIPTION These Route Classes are Typically state-maintained routes but not counted towards statemaintained mileage. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Projected Route DESCRIPTION Generalized locations of major facilities that have not yet been built. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field RouteClass ▲

FIELD RouteQualifier

- * ALIAS RouteQualifier
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0

* SCALE 0

FIELD DESCRIPTION

An additional code that further defines the Dominant Route.

On state-maintained routes, values of Normal indicate the regular route and other values indicate a related route (e.g., I-95 and I-95 Business). The Route Qualifier is represented in the 2nd position of the Route ID.

See https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Normal Route, Ramp

DESCRIPTION On most routes this indicates it is the normal route. If the route class is Federal Route, then Normal means Blue Ridge Parkway.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Alternate Route, Rest Area

DESCRIPTION An Alternate Route provide an alternate alignment for a highway. It is considered a route which starts at a point where it branches off from the main numbered route, may pass through certain cities and towns, and then connect back with the regular route some miles distant. If the route class is Federal Rout, then Alternate means the road is owned by the military.

VALUE Bypass Route, NS Ramp

DESCRIPTION A Route used on an alternative routing of a highway around a town when the main route of the highway goes through the town.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE East Route DESCRIPTION This is only used for US-19 East which is a different route than US-19. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE West Route

DESCRIPTION This is only used for US-19 West which is a different route than US-19. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Connector Route

DESCRIPTION Connects one route to a more prominent route. If the Route Class is Interstate, then the route is a spur; if the Route Class is US or NC Route then the route is a connector. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Truck Route DESCRIPTION Route is part of the state Truck Route system. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Business Route, Non-Mainline

DESCRIPTION A route connected to a parent numbered highway at its beginning, then routed through the central business district of a nearby city or town, and finally reconnecting with the same parent numbered highway again at its end.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

FIELD RouteInventorv

- * ALIAS RouteInventory
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Indicates is road segment is included in NCDOT's total road mileage inventory or is a non-inventory segment. Also indicates the NCDOT route direction for Dominant Route.

Inventory directions are Inventory and Clockwise. All other values indicate the non-inventory direction of the route. The Route Direction is represented in the 3rd position of the RouteID. See https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf

DESCRIPTION SOURCE NCDOT

LIST OF VALUES

VALUE Inventory

DESCRIPTION Segment is included in the NCDOT road inventory. Includes bidirectional, Northbound, Eastbound, and one-way inventory

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Non-Inventory (Southbound)

DESCRIPTION Southbound segment of divided route and non-inventory. Northbound side of divided routes are Inventory.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Non-Inventory (Westbound) DESCRIPTION Westbound segment of divided route and non-inventory. Eastbound side of divided routes are Inventory. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Inventory (Clockwise) DESCRIPTION Clockwise segment of divided circular route (Interstate 485) and included in NCDOT's Inventory. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Non-Inventory (Counter-Clockwise) DESCRIPTION Counter-Clockwise segment of divided circular route (Interstate 485) and non-inventory. ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field RouteInventory

FIELD RouteNumber

- * ALIAS RouteNumber
- * DATA TYPE String
- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The five-digit number assigned to a route and the Dominant Route. The Route Number is in the 4th -8th positions of the RouteID. See

https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf.

NCDOT

DESCRIPTION OF VALUES Value varies.

Hide Field RouteNumber

FIELD MaintenanceCountyCode

- * ALIAS MaintCntyCode
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

For state-maintained roads, it is the county responsible for maintaining the section of road. For nonstate maintained roads, it is the county that the segment is located in.

DESCRIPTION SOURCE

CODED VALUES

NAME OF CODELIST SAP County Code Source https://slph.dph.ncdhhs.gov/doc/NorthCarolinaCountyCodes.pdf

Hide Field MaintenanceCountyCode

FIELD MilePoint_ID ►

- * ALIAS MilePoint_ID
- * DATA TYPE String
- * WIDTH 11
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The 11-digit composite route number (RouteID field in NCDOT Route Characteristics), the identifier for the Dominant Route. It uniquely identifies routes statewide and should be used as the route identifier when performing LRS analysis using route/milepost referencing.

See https://xfer.services.ncdot.gov/gisdot/DistDOTData/Guide%20to%20the%20NCDOT%20Eleven-Digit%20Route%20Number%20-%20Rome%20Implementation.pdf.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Values vary.

Hide Field MilePoint_ID ▲

FIELD RouteName

- * ALIAS RouteName
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The NCDOT name of the dominant route. It is a concatenation of an abbreviation of Route Class, Route Number and Route Qualifier.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Values vary

Hide Field RouteName

FIELD CreatedUser ►

- * ALIAS CreatedUser
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

User name who created the route record.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Values vary.

Hide Field CreatedUser

FIELD CreatedDate ►

- * ALIAS CreatedDate
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

Date route record was created.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Dates vary.

Hide Field CreatedDate

FIELD LastEditedUser

- * ALIAS LastEditedUser
- * DATA TYPE String
- * WIDTH 255

* PRECISION 0 * SCALE 0 FIELD DESCRIPTION User name who last edited the route record. DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES Values vary.

Hide Field LastEditedUser

FIELD GlobalID ►

- * ALIAS GlobalID
- * DATA TYPE GlobalID
- * WIDTH 38
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

A field of type UUID (Universal Unique Identifier) in which values are automatically assigned by the geodatabase when a row is created. The GlobalID field is necessary for maintaining object uniqueness across replicas. All feature classes and tables participating in one-way or two-way replication must contain the GlobalID field. This field is not editable and is automatically populated when it is added for existing data.

DESCRIPTION SOURCE

DESCRIPTION OF VALUES Values vary

Hide Field GlobalID

FIELD LastEditedDate

- * ALIAS LastEditedDate
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

Most recent date the route record was edited.

DESCRIPTION SOURCE NCDOT

DESCRIPTION OF VALUES Values vary.

Hide Field LastEditedDate

FIELD Shape_Length

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION Length of feature in internal units.
- * DESCRIPTION SOURCE Esri
- * DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide Field Shape_Length **A**

Hide Details for object LRSN_MilePoint ▲

Hide Fields 🔺

Metadata Details 🕨

* METADATA LANGUAGE English (UNITED STATES) METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset SCOPE NAME * dataset

* LAST UPDATE 2023-03-07

ARCGIS METADATA PROPERTIES METADATA FORMAT ArcGIS 1.0 STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2022-09-03 18:18:12 LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-03-07 12:37:02

AUTOMATIC UPDATES HAVE BEEN PERFORMED Yes LAST UPDATE 2023-03-07 12:37:02

Hide Metadata Details

Metadata Contacts **>**

METADATA CONTACT ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE point of contact

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh Administrative area NC Postal code 27604 Country US E-mail address gishelp@ncdot.gov

HOURS OF SERVICE 9:00am - 5:00pm Monday – Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions, or comments regarding the LRS. If it is an immediate need, please indicate as such in the subject line in an email.

Hide Contact information

Hide Metadata Contacts

Metadata Maintenance

MAINTENANCE UPDATE FREQUENCY as needed

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit CONTACT'S POSITION GIS Data and Services Consultant CONTACT'S ROLE point of contact

CONTACT INFORMATION ADDRESS TYPE physical DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov

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Hide Contact information **A**

Hide Metadata Maintenance

Metadata Constraints >

CONSTRAINTS

LIMITATIONS OF USE

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. This data should be used for planning, maintenance, and decision-making support purposes only. It should be used only by those who fully understand the extents, limitations, and content of the data. This data should not be used for routing. The data should not be used in place of field survey or data collection efforts that are normally performed by licensed professionals and it should not replace any data collection efforts that are typically required as a part of detailed design and construction efforts.

SECURITY CONSTRAINTS

CLASSIFICATION unclassified CLASSIFICATION SYSTEM None

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Hide Metadata Constraints

Thumbnail and Enclosures

THUMBNAIL THUMBNAIL TYPE JPG

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